NORTH WIND PORTAGE

REPORT ON AIR MONITORING, AREA IV, SECOND QUARTER 2026

Santa Susana Field Laboratory
Ventura County, California



REPORT ON QUARTERLY AIR MONITORING, AREA IV, SECOND QUARTER 2026, SANTA SUSANA FIELD LABORATORY, VENTURA COUNTY, CA

November 2026

Contract No. 89303324DEM000108

Prepared for:

U.S. Department of Energy
980 Enchanted Way, Suite 108
Simi Valley, California 93065

Prepared by:

North Wind Portage, Inc.
1425 Higham Street
Idaho Falls, Idaho 83402

EXECUTIVE SUMMARY

This report summarizes the United States Department of Energy (DOE) air monitoring activities conducted during the second quarter of 2026 (Q2 2026) (monitoring period April 1, 2026, to June 30, 2026), which is the thirty-third quarter (Q33) of monitoring at Area IV within the Santa Susana Field Laboratory (SSFL), located in Ventura County, California. The area specifically discussed within this report is the DOE portion, Area IV of SSFL, known as the Energy Technology Engineering Center (ETEC). The program is continuing for a ninth year, which consists of 2026, reporting periods Q32 through Q35.

This quarterly report has been developed by North Wind Portage, Inc., on behalf of DOE in cooperation with The Boeing Company (Boeing) and the National Aeronautics and Space Administration (NASA), as part of the Baseline Air Monitoring Program.

In accordance with the *Final Baseline Air Monitoring Work Plan, Santa Susana Field Laboratory, Ventura County, California* (NASA 2017), the responsible parties are monitoring for particulate matter between 2.5 and 10 microns in aerodynamic diameter (PM_{10}), volatile organic compounds (VOCs), and radionuclides at air monitoring stations DOE-1, DOE-2, DOE-3, and DOE-4 encompassing the ETEC, Area IV portion of SSFL. Baseline levels have been developed for PM_{10}, VOCs, and radionuclides to aid in distinguishing between levels that naturally occur or were previously present at the ETEC site and to determine if onsite remediation activities produce elevated results. Air monitoring will continue throughout remediation activities to be able to compare results from onsite remediation activities to baseline data in the Annual Air Monitoring Reports.

The following air monitoring activities conducted during Q2 2026 by DOE within Area IV are summarized in this report:

- Collected meteorological data from one location (DOE-4);
- Collected PM_{10} data from four locations (DOE-1 through DOE-4);
- Collected air samples from four locations (DOE-1 through DOE-4) for VOC laboratory analysis; and
- Collected radionuclide samples for laboratory analysis from four locations (DOE-1 through DOE-4).

PM_{10} data, meteorological data, and radionuclide data all met the data completeness goal of 80%, and VOC data met the completeness goal of 85% for Q2 2026. The third quarter of 2026 (Q3 2026) monitoring period of the Air Monitoring Program is to begin July 1, 2026.

In addition to the air monitoring activities, the following site activities were conducted during Q2 2026 by DOE within Area IV:

- Groundwater level monitoring;
- Groundwater sampling activities at the Former Sodium Disposal Facility as a part of groundwater interim measures, conducted by CDM Smith;
- HMSA Pilot Study performance monitoring groundwater sampling; and
- Surveillance and maintenance.

- Between May 18 and May 27, 2026, the Sandy Fire burned over 2,000 acres south of Simi Valley, approaching within approximately one-quarter mile of SSFL's western boundary before being fully contained. The fire did not cross onto SSFL or ETEC property, and site field operations were temporarily paused as a precautionary safety evacuation. Transient wildfire smoke and ash from the fire caused the three highest 24-hour PM_{10} concentrations recorded during Q2 2026 (May 18 through May 20), which are consistent with air quality trends observed across the region. In response to the fire, the National Nuclear Security Administration Nuclear Emergency Support Team Radiological Assistance Program Region 7 deployed alongside DTSC, local fire departments, and Los Angeles County Radiation Management to conduct vehicle-borne radiation surveys across SSFL and collect offsite air samples. The emergency survey and sampling results were consistent with natural background, with no elevated radiation or man-made radionuclides detected. DOE's Area IV air monitoring data fully corroborates these findings.

CONTENTS

EXECUTIVE SUMMARY ii

ACRONYMS AND ABBREVIATIONS vi

1. INTRODUCTION 1-1

    1.1 Regional Climate and Wind Direction 1-2

2. SUMMARY 2-1

3. ANALYTICAL SAMPLING EVENTS 3-1

4. DATA 4-1

    4.1 Meteorological Data 4-1

    4.2 PM_{10} Data 4-5

    4.3 Volatile Organic Compound Data 4-6

    4.4 Radionuclide Data 4-8

5. QA/QC ACTIVITIES 5-1

    5.1 Field QA/QC 5-1

    5.2 Laboratory QA/QC 5-5

    5.3 Audit Results 5-5

6. REFERENCES 6-1

FIGURES

Figure 1 – SSFL Air Monitoring Locations

Figure 2 – DOE Air Monitoring Locations

Figure 3 – DOE Quarterly Wind Rose

TABLES

Table 1. Data screening quality control codes for meteorological data. 4-2

Table 2. Data screening summary for monitored meteorological parameters. 4-4

Table 3. PM_{10} data completeness for April 1, 2026, to June 30, 2026. 4-6

Table 4. Top five PM_{10} 24-hour average concentration days for Q2 2026. 4-6

Table 5. Ambient air VOC data completeness. 4-7

Table 6. Gross alpha and beta-gamma average results for Q2 2026. 4-9

Table 7. Meteorological sensor recommended maintenance frequency (Met One). 5-5

Table 8. PM_{10} audit completeness. 5-6

APPENDICES

Appendix A – PM_{10} Daily Averages and Monthly Statistics

Appendix B – Analytical Results for Ambient Air VOCs and VOC Split Sample Comparison

Appendix C – Radionuclide Results

Appendix D – PM_{10} Monthly Audit Reports and Flow Verification Results

ACRONYMS AND ABBREVIATIONS

°C	degrees Celsius
°F	degrees Fahrenheit
µCi	microcurie(s)
µg/m^3	microgram(s) per cubic meter
AQS	Air Quality System
Boeing	The Boeing Company
CAAQS	California Ambient Air Quality Standards
CFR	Code of Federal Regulations
DASC	Data Assessment Statistical Calculator
DOE	U.S. Department of Energy
DTSC	State of California Department of Toxic Substances Control
E-BAM	Environmental Beta Attenuation Mass Monitor
EPA	U.S. Environmental Protection Agency
ETEC	Energy Technology Engineering Center
Eurofins	Eurofins Environment Testing Northern California, LLC
GC	gas chromatography
Hg	mercury
HHRA	Human Health Risk Assessment
m	meter(s)
m/sec	meter(s) per second
mb	millibar(s)
MDC	minimum detectable concentration
mL	milliliter(s)
mph	miles per hour
MS	mass spectrometry
MDL	method detection limit
NAAQS	National Ambient Air Quality Standards
NASA	National Aeronautics and Space Administration
NEST	Nuclear Emergency Support Team
NIST	National Institute of Standards and Technology
NNSA	National Nuclear Security Administration
pCi	picocurie(s)
PM_{10}	particulate matter less than 10 microns in aerodynamic diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in aerodynamic diameter
Q33	thirty-third quarter
QA	quality assurance
QC	quality control
RAP	Radiological Assistance Program
RAWS	Remote Automatic Weather Stations
RPD	relative percent difference

RSL	regional screening level
SDG	sample delivery group
SLAMS	State and Local Air Monitoring Stations
SSFL	Santa Susana Field Laboratory
VOC	volatile organic compound

1. INTRODUCTION

National Aeronautics and Space Administration (NASA), The Boeing Company (Boeing), and the U.S. Department of Energy (DOE), also known as the responsible parties, are performing air monitoring at the Santa Susana Field Laboratory (SSFL) site located in Ventura County, California. The SSFL was a business segment of Boeing. SSFL includes 2,849 acres located atop a range of hills between the Simi and San Fernando valleys, north of Los Angeles. The westernmost 290 acres of the SSFL, known as Area IV, contains both DOE and Boeing former facilities. The DOE portion is mainly contained within the 90 acres known as the Energy Technology Engineering Center (ETEC).

When opened in the late 1950s, ETEC was ideally remote from population centers to enable development of security-sensitive projects. These projects supported research for DOE and its predecessor agencies for nuclear research and energy development. Area IV included buildings that housed test apparatus for large-scale heat transfer and fluid mechanics experiments, mechanical and chemical test facilities, office buildings, and auxiliary facilities.

Air monitoring is being conducted in accordance with the *Final Baseline Air Monitoring Work Plan, Santa Susana Field Laboratory, Ventura County, California* (NASA 2017), which was submitted to the State of California Department of Toxic Substances Control (DTSC) on September 21, 2017. DTSC approved the Work Plan. Final locations of the air monitoring locations were approved by DTSC on January 30, 2018 (DTSC 2018).

The objective of the Air Monitoring Program is to evaluate project conditions and provide a basis for determining the magnitude of deviation from those baseline conditions that may result from onsite remediation activities at SSFL. Responsible parties are monitoring particulate matter between 2.5 and 10 microns in aerodynamic diameter (PM_{10}) and/or volatile organic compounds (VOCs) at 14 locations at SSFL. Data are collected for four perimeter samplers (DOE-1 through DOE-4) and analyzed for gross alpha and gross beta. Individual radionuclide concentrations are determined by analysis at an offsite laboratory for these same four locations. Meteorological data are also collected as part of the Air Monitoring Program.

Figure 1 shows the air monitoring locations for the Air Monitoring Program. These locations were selected based on the areas to be remediated, with consideration of winds in the area, topographic features, and accessibility. The air monitoring sites were also selected based on guidance obtained from the U.S. Environmental Protection Agency's (EPA's) *Quality Assurance Handbook for Air Pollution Measurement Systems*, Volume II, Ambient Air Monitoring Program (EPA 2017) and *Meteorological Monitoring Guidance for Regulatory Modeling Applications* (EPA 2000). Sites were evaluated per 40 Code of Federal Regulations (CFR) 58, Appendix C – Ambient Air Quality Monitoring Methodology. DOE is responsible in this report for DOE-1, DOE-2, DOE-3, and DOE-4 of the 14 monitoring locations, represented in Figure 1. VOCs, PM_{10}, and radionuclides are monitored at the four DOE monitoring locations, and meteorological conditions are monitored at the DOE-4 location. The DOE monitoring locations DOE-1 through DOE-4 are shown in Figure 2.

This report summarizes the results and quality assurance (QA) activities performed during the second quarter of 2026 (Q2 2026), which was from April 1, 2026, through June 30, 2026.

1.1 Regional Climate and Wind Direction

The climate in the SSFL area is characterized as "Mediterranean." The mean temperature during the winter months is approximately 50 degrees Fahrenheit (°F), and the mean temperature in the summer months is approximately 70°F. Based on climate data from 2023 through 2025 from Weather Currents, the average 12-month total rainfall is on the order of 21.16 inches per year. The majority of the rainfall occurs between December and April, with January and February being the wettest months. During Q2 2026, the Simi Valley received approximately 0.49 inches of rainfall.

The average hourly wind speed in Simi Valley varies significantly by season. The more turbulent part of the year lasts for 6 months, from November to April; the calmer time of year lasts for 6 months, with northerly winds from May to October.

During the fall, winter, and spring, Santa Ana winds can blow from the north or northeast in excess of 35 miles per hour (mph).

2. SUMMARY

This report summarizes the air monitoring data collected during the Q2 2026 reporting period (April 1, 2026, through June 30, 2026).

Quality objectives and data completeness were met for all meteorological, PM_{10}, VOC, and radionuclide data for Q2 2026 of the Air Monitoring Program. Urban background data compared with air monitoring data indicate that the PM_{10} concentrations measured at stations DOE-1, DOE-2, DOE-3, and DOE-4 during Q2 2026 are comparable to the PM_{10} concentrations measured at stations characterizing urban background. Other sources that emit VOCs are motor vehicle emissions, fossil fuel combustion, and wildfires. Nine PM_{10} concentrations exceeded the California Ambient Air Quality Standard (CAAQS; 50 micrograms per cubic meter [$\mu g/m^3$]), but none of these values were above the National Ambient Air Quality Standard (NAAQS; 150 $\mu g/m^3$).

During Q2 2026, no downtime was observed for the units at DOE-2 and DOE-4. The unit at DOE-1 experienced one extended downtime between May 3, 2026, and June 8, 2026, due to the pump stopping while awaiting filter element replacement. Immediate replacements units were not available, and repaired units were received and put into service on June 9, 2026. The unit at DOE-3 experienced one extended downtime between the dates of May 3, 2026, and May 14, 2026, due to the pump stopping while awaiting the Environmental Beta Attenuation Mass Monitor (E-BAM) internal sample tube with heater replacement. Immediate replacements units were not available, and repaired units were received and put into service on May 15, 2026. The unit at DOE-3 experienced another downtime of one day on May 17, 2026; operation was restored on May 18, 2026.

During Q2 2026, eight VOC analytes were detected above the EPA regional screening level (RSL) or the April 2025 DTSC Human Health Risk Assessment (HHRA) Note 3 Screening Levels. Of these exceedances, acrolein was detected at DOE-1, DOE-2, DOE-3, and DOE-4; acrylonitrile was detected at DOE-1 and DOE-2; benzene was detected at DOE-1, DOE-2, DOE-3, and DOE-4; chloroform was detected at DOE-1, DOE-2, DOE-3, and DOE-4; ethyl acetate was detected at DOE-1 and DOE-3; naphthalene was detected at DOE-2; carbon tetrachloride was detected at DOE-1, DOE-2, DOE-3, and DOE-4; and trichloroethene was detected at DOE-2 and DOE-4.

- Acrolein is a chemical used in a variety of industries and applications, such as chemical manufacturing, water treatment to control algae and microorganisms, and paper manufacturing. Acrolein in air is primarily produced by the incomplete combustion of organic materials and the oxidation of atmospheric pollutants including cigarette/vape smoke, vehicle emissions, burning wood, and cooking fumes.

- Acrylonitrile is a chemical used to produce plastics, synthetic rubbers, and acrylic fibers. Acrylonitrile in air is primarily produced by industrial emissions, tobacco smoke, and burning biomass such as wildfires.

- Benzene is a chemical used in a variety of industries and applications, such as gasoline, plastic manufacturing, adhesives, cleaning products, paint thinners, dyes, pesticides, pharmaceuticals, and printing inks. Benzene in air is primarily produced by tobacco smoke, automobile exhaust, and industrial emissions such as burning coal and oil, gasoline evaporation, and industrial processes.

- Chloroform is a chemical used as an industrial solvent in the production of pharmaceuticals, plastics, and textiles, as well as to make refrigerants and other chemicals. Chloroform in the air is primarily produced from anthropogenic sources, most notably the chlorination of drinking water, wastewater, and swimming pools; through industrial processes, particularly pulp and paper mills; and through chemical manufacturing.

- Ethyl acetate is a solvent used in a variety of industries and applications, such as adhesives, paint and coating products, pharmaceuticals, and printing inks. Ethyl acetate in air is primarily produced from its use in paints, coatings, adhesives, and cleaning agents.

- Naphthalene is a chemical used in the production of various industrial and consumer products, as well as a byproduct of combustion found in tobacco smoke, vehicle exhaust, and forest fires. Naphthalene in the air is primarily produced by the combustion of materials (wood, tobacco, fossil fuels), industrial emissions, and the use of pest repellents (mothballs).

- Carbon tetrachloride is a largely phased-out industrial chemical historically used as a cleaning solvent, refrigerant precursor, and fumigant, it is now strictly limited to controlled industrial applications, such as manufacturing chlorofluorocarbons, pharmaceutical intermediates, and specialized laboratory solvent uses. Carbon tetrachloride in the air is primarily produced by industrial emissions, specifically chemical manufacturing and production of chlorine, refrigerants, and pesticides.

- Trichloroethene is a chemical used in a variety of industries and applications, such as chemical production, paint removers, spot removers, carpet cleaners, metal cleaners, and adhesives. Trichloroethene in the air is primarily produced by industrial emissions, volatilization from contaminated groundwater, and the use of solvent-containing consumer products.

By using the results from the baseline Air Monitoring Program, along with other site characterization information, analytes were selected for routine air monitoring during soil disturbances. Establishing sources for specific contaminants or performing source apportionment was not a requirement for identifying remedial air quality impacts, nor was it within the scope or data quality objectives of the Air Monitoring Program.

Site data collected during Q2 2026 generally agree with greater Los Angeles area data collected, analyzed, and reported by the State of California DTSC. Air monitoring at Area IV of the SSFL is to be continued starting July 1, 2026, for third quarter 2026 (Q3 2026) of the Air Monitoring Program.

Site activities in addition to the air monitoring activities during Q2 2026 include site-wide groundwater level monitoring, surveillance and maintenance, HMSA Pilot Study performance monitoring groundwater sampling, and groundwater sampling activities at the Former Sodium Disposal Facility as part of the groundwater interim measures.

3. ANALYTICAL SAMPLING EVENTS

VOCs are collected according to the EPA Toxic Compendium Method TO-15, *Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)* (EPA 1999). Twenty-four-hour time-integrated samples are collected into Summa canisters via a flow controller and sent to an offsite laboratory for analysis. VOCs are collected every other week. There were seven VOC sampling events with seven field duplicate samples collected during this reporting period.

During Q2 2026, radionuclide samples were collected at four perimeter sampler locations, DOE-1 through DOE-4. These samples were collected on glass fiber (Type A/E) filters that are changed twice a week. After a minimum 120-hour holding time to allow the decay of short-lived radon and thoron daughter products, the samples are simultaneously counted for gross alpha and beta activity with a low-background, thin-window, gas-flow, proportional counting system continually purged with P-10 argon/methane counting gas over a preset time interval. There were 104 airborne radioactivity filter samples collected in Q2 2026 — 26 each at DOE-1, DOE-2, DOE-3, and DOE-4. Following analysis for gross alpha and gross beta radiation, sample filters were combined to form one composite sample representative of each location. The four composite samples were then analyzed for individual radionuclides at an offsite laboratory.

4. DATA

Sections 4.1 through 4.4 discuss Q2 2026 air monitoring data.

4.1 Meteorological Data

General Summary

Meteorological data, also called weather data, is being collected as part of the ETEC cleanup and restoration effort. This information, particularly the wind direction and wind speed, can be used to help understand how dust and other air pollutants from the site are carried by the wind to possibly affect nearby public and residential areas. This is especially important when the E-BAM particulate monitors at the site detect higher-than-normal amounts of dust in the air. Scientific computer models can be used with this weather data in association with the particulate monitoring data to describe the air quality for the communities near the ETEC site. However, before the weather data can be used with the computer models, it must first be tested for completeness and accuracy to ensure it meets acceptance criteria. A detailed description of the weather data collection and quality testing is provided in the following paragraphs.

Monitored meteorology parameters at the DOE-4 station included wind speed, wind direction, air temperature at 2 meters (m) and 10 m, relative humidity, precipitation, barometric pressure, and solar radiation. In addition, statistical parameters provided by the data logger included delta temperature (i.e., the 10-m temperature minus the 2-m temperature), maximum wind speed (i.e., wind gust), and standard deviation of wind direction. Observations were recorded at 15-minute intervals corresponding to minutes :00, :15, :30; and :45 each hour. There were 91 days in this reporting period (Q2/2026) from 01 Apr 2026 through 30 Jun 2026 with a total of 8,736 possible 15-minute observations. This is the second quarter of Year 9 of the baseline monitoring.

Data Validation and Statistics

Data validation screening was performed on the recorded meteorological observations pursuant to EPA's *Meteorological Monitoring Guidance for Regulatory Modeling Applications* (EPA 2000), Table 8-4 (Suggested Data Screening Criteria) and Table 8-3 (Suggested Quality Control Codes). Validation screening provided the basis for evaluating data completeness and for determining sensor performance and/or maintenance status. Validation was performed following each weekly data download. Data validation quality control codes applied to the meteorological observations are defined in Table 1.

Table 1. Data screening quality control codes for meteorological data.

Code	Meaning	Description (as used for ETEC meteorological data validation)
0	Valid	PASS – Observation is accurate within the performance limits of the instrument (i.e., value passes all data validation screening criteria).
3	Acceptable	PASS – Observation originally failed initial quality control (QC) check (see Code 6), but additional review using other independent data and meteorological judgment support final validity.
6	Failed initial QC check	FAIL – Observation did not pass data validation screening criteria.
7	Suspect	FAIL – Observation failed initial data validation QC check (see Code 6) and could not be verified through additional review using other independent data.
8	Invalid	FAIL – Observation judged to be inaccurate or in error, and the cause is known.
9	Missing	FAIL – Observation was not collected.

The validation screening involved comparing, on an individual parameter basis, the recorded values (i.e., observations) against the EPA screening criteria shown in Table 2. The data validation procedure involved an initial automated review to apply a first-level QC Code of 0 (valid), 6 (failed), or 9 (missing), as defined in Table 1. Observations initially flagged with a QC Code = 6 were then manually (i.e., second-level) reviewed by a project meteorologist. The procedure is outlined below:

- Values meeting all screening criteria for the respective meteorological parameter were automatically considered "valid" (QC Code = 0).
- Values not meeting all applicable screening criteria were automatically flagged as "failed initial QC" (QC Code = 6). These values were subjected to second-level manual meteorological review using other available observations (e.g., 2-m vs. 10-m temperature at DOE-4 or from nearby Remote Automatic Weather Stations [RAWS]), and meteorological judgment. RAWS station CEEC1 in the Cheeseboro Canyon area is located 2.6 miles south of the DOE-4 site, and station SV in Simi Valley is located 4 miles northeast of the DOE-4 site.
    - Values verified by 2nd-level review considered "acceptable" ..... (final QC Code = 3).
    - Observations considered "suspect"..... (final QC Code = 7).
    - Observations considered "invalid" or inaccurate..... (final QC Code = 8).
    - Missing observations flagged as "missing"..... (final QC Code = 9).

Values that pass validation with a final QC Code of 0 or 3 are included in the data completeness statistics and the final validated meteorological data set. Values with a final QC Code of 7, 8, or 9 are excluded from the final dataset and counted against the data completeness percentage. Quarterly data statistics for the meteorological parameters are listed in Table 2 along with year-to-date and project-to-date results. Year-to-date and project-to-date percentages are calculated as total valid observations through the completed quarters for the year divided by the total possible observations through this same period.

The completeness goal for meteorological data is 80% on an annual basis. Data completeness statistics for all completed reporting quarters in Year 9 of the baseline monitoring are presented in Table 2. Data completeness to-date for Year 9 exceeds 80% for nine out of the ten monitored meteorological parameters. At the end of 2025, the wind speed sensor had failed and wasn't replaced until February 9, 2026, consequently, there is a lower than 80% year-to-date completeness for this parameter. However,

during Q2 2026 the wind speed sensor completeness was 100%, and it is expected that by next quarter the year-to-date completeness for wind speed will be above 80%.

Wind Rose

The final validated 15-minute meteorological dataset was used to develop the wind rose for Q2 2026 as presented in Figure 3. A wind rose is a graphical representation of wind speed and direction distribution (or wind climatology) for the period of interest. The frequency of wind blowing from specific direction is shown as petals on the wind rose, with the frequency of wind speeds depicted by color bands (frequencies were calculated based on total valid observations). Calm winds have speeds less than 0.5 meters per second (m/sec).

During Q2 2026, data capture for wind speed and direction at DOE-4 was 100%. The average and maximum wind speeds were 3.57 m/sec and 13.5 m/s, respectively. The maximum recorded wind gust was 22.8 m/sec. The predominant wind directions this quarter were from the east-southeast (ESE) and from the west-northwest (WNW).

Table 2. Data screening summary for monitored meteorological parameters.

Meteorological Parameter	Screening Criteria [1] (for valid sensor responses)	Data Completeness Percent (%) [2]		
		Q2 2026	Year 9 to Date	Project to Date
Wind Speed	between 0 and 25 m/sec	100	78.16	95.39
	> 0.1 m/sec variation over 3 hours			
	> 0.5 m/sec variation over 12 hours			
Wind Direction	between 0 and 360 degrees	100	100	97.37
	> 1 degree variation over 3 hours			
	> 10 degree variation over 12 hours			
Standard Deviation of Wind Direction	Inherits the completeness stats of Wind Direction	100	100	97.37
Temperature @ 10 m	≤ local record high (monthly basis)	100	100	97.37
	≥ local record low (monthly basis)			
	> 0.5 degrees Celsius (°C) variation over 12 hours			
Temperature @ 2 m	≤ local record high (monthly basis)	100	100	97.34
	≥ local record low (monthly basis)			
	> 0.5°C variation over 12 hours			
Delta Temperature	≤ 0.1°C during daytime	100	100	97.34
	≥ -0.1°C during nighttime			
	between -3.0 and 5.0°C			
Relative Humidity (and Dewpoint Temperature)	relative humidity between 0–100%	100	100	91.35
	dew point T ≤ ambient T			
	dew point T ≤ 5.0°C variation over 1 hour			
	dew point T > 0.5°C variation over 12 hours			
Precipitation	≤ 1 inch in 1 hour	100	100	97.36
	≤ 4 inches in 24 hours			
	≥ 2 inches in 3 months			
Barometric Pressure	between 871 and 982 millibars (mb) (local) (i.e., between 940 and 1060 mb sea level)	100	100	97.37
	≤ 6 mb variation over 3 hours			
Solar Radiation	> 0 at night	100	100	97.34
	≤ maximum possible for date, time, lat/long			

(1) Screening criteria from EPA Meteorological Monitoring Guidance (EPA 2000), Table 8-4.

(2) Data Completeness % = [Observations Passing] / [Possible Observations)].

a. Missing or suspect observations count against data completeness statistics.

b. Year Two was an abbreviated data collection year spanning the period Apr 15-Dec 31, 2019 (i.e., Quarters 5, 6, and 7). This was done to synchronize future data collection years with calendar years.

c. Last column in this table represents the cumulative Completeness % for all completed quarterly reporting periods.

The number of possible 15-minute observations in the completed reporting periods.
(Note – Reference to Quarters are listed in sequence number from project start (Q1) to present (Q33):

- Q01 = 8,736
- Q02 = 8,832
- Q03 = 8,832
- Q04 = 8,640 (only 3 quarters)
- Year One = 35,040
- Q05 = 8,736
- Q06 = 8,832
- Q07 = 7,488
- Year Two = 25,056 (abbreviated)
- Q08 = 8,736
- Q09 = 8,736
- Q10 = 8,832
- Q11 = 8,832
- Year Three = 35,136

• Q12 = 8,640	• Q13 = 8,736	• Q14 = 8,832	• Q15 = 8,832	• Year Four = 35,040
• Q16 = 8,640	• Q17 = 8,736	• Q18 = 8,832	• Q19 = 8,832	• Year Five = 35,040
• Q20 = 8,640	• Q21 = 8,736	• Q22 = 8,832	• Q23 = 8,832	• Year Six = 35,040
• Q24 = 8,736	• Q25 = 8,736	• Q26 = 8,832	• Q27 = 8,832	• Year Seven = 35,136
• Q28 = 8,640	• Q29 = 8,736	• Q30 = 8,832	• Q31 = 8,832	• Year Eight = 35,040
• Q32 = 8,640	• Q33 = 8,736			• Year Nine = 17,376 (to date)
				• Project = 287,904 (to-date)

4.2 PM_{10} Data

PM_{10} data, defined as coarse particles between 2.5 and 10 microns in aerodynamic diameter, are measured at the ETEC site. Sources of particulate matter can be naturally occurring or caused by human activity. The air monitoring conducted at ETEC is used to determine if any suspended particles are from activities conducted onsite or if they are consistent with surrounding air quality data. Some of the naturally occurring particles can originate from high winds, forest or grass fires, burning fossil fuels in vehicles, or disturbed road dust. The Sandy Fire began on May 18, 2026, south of Simi Valley, located in Ventura County. The fire quickly spread, involving over 2,000 acres of land until it was ultimately extinguished on May 27, 2026.

PM_{10} data are collected with Met One E-BAM monitors at four monitoring locations. The Met One E-BAM uses the principle of beta attenuation to provide a determination of mass concentration. Twenty-four-hour concentrations are calculated from the hourly concentrations. There were 91 days in this reporting period.

- DOE-1 had valid readings 54 out of 91 days.
- DOE-2 had valid readings all 91 days.
- DOE-3 had valid readings 78 out of 91 days.
- DOE-4 had valid readings all 91 days.

DOE-2 and DOE-4 each had data completeness of 100% for PM_{10} in Q2 2026, and DOE-1 and DOE-3 had data completeness of 59% and 86%, respectively, for a total data completeness of 86%, exceeding the project goal of 80% completeness for total samples collected during Q2 2026 (see Table 3). The cumulative total project data completeness has been calculated as 93% from April 2018 through June 2026. The complete table of daily averages for Q2 2026 is presented in Appendix A. During Q2 2026, no downtime was observed for the units at DOE-2 and DOE-4. The unit at DOE-1 experienced one extended downtime between the dates of May 3, 2026, and June 8, 2026, due to the pump stopping while awaiting filter element replacement. Immediate replacements units were not available, and repaired units were received and put into service on June 9, 2026. The unit at DOE-3 experienced one extended downtime between the dates of May 3, 2026, and May 14, 2026, due to the pump stopping while awaiting the E-BAM internal sample tube with heater replacement. Immediate replacements units were not available, and repaired units were received and put into service on May 15, 2026. The unit at DOE-3 experienced another downtime of one day on May 17, 2026; operation was restored on May 18, 2026.

See the PM_{10} daily average table in Appendix A for downtime dates.

In addition, the nearby State and Local Air Monitoring Stations (SLAMS), Simi Valley – Cochran Street – PM_{10} Daily Averages, from 04/01/2026 to 06/30/2026 are presented in Appendix A (2026). Please note, from the EPA website, "This EPA query provides PM_{10} data from AirNow for recent days that are not available from the Air Quality System (AQS). AQS data, as it becomes available, replaces any AirNow data. The AirNow data are not fully verified and validated through the quality assurance procedures monitoring

organizations use to officially submit and certify data on the EPA AQS and, therefore, cannot be used to formulate or support regulation, guidance or any other Agency decision or position."

Table 3. PM_{10} data completeness for April 1, 2026, to June 30, 2026.

Location	Valid Readings (Days)	Possible Readings (Days)	Data Completeness (Percent)
DOE-1	54	91	59
DOE-2	91	91	100
DOE-3	78	91	86
DOE-4	91	91	100
		Average Total Data Completeness	86%

The five highest PM_{10} results identified for the reporting period are listed in Table 4 along with the CAAQS for PM_{10}. PM_{10} concentrations were consistent with levels typically found in urban air. Of these top five results, four of the five were recorded at DOE-4, with one of the five recorded at DOE-3. In total for Q2 2026, all five of the top five were above the CAAQS of 50 µg/m3 but below the NAAQS of 150 µg/m3.

The three highest PM_{10} concentrations observed during the quarter on May 18, May 19, and May 20 directly correlate with the burning of the nearby Sandy Fire. The wildfire ignited south of Simi Valley on May 18, 2026, burning over 2,000 acres and approaching within approximately one-quarter mile of SSFL's western boundary before being fully contained on May 27 without crossing onto the site. Elevated particulate readings were driven entirely by transient regional wildfire smoke and ash and are consistent with air quality trends observed across the region. Site field operations were temporarily paused as a safety precaution as the site was evacuated during the fire, confirming that these localized exceedances were not associated with any onsite remediation activities. Furthermore, independent multi-agency air sampling and radiation surveys conducted throughout the incident by the National Nuclear Security Administration (NNSA) Nuclear Emergency Support Team (NEST) Radiological Assistance Program (RAP) team, DTSC, and local emergency responders confirmed that the smoke posed no radiological or chemical threat beyond typical regional wildfire particulate matter (DOE 2026). The full report can be found at the Santa Susana Field Document Library (https://www.dtsc-ssfl.com/files/lib_wildfires/wildfires/71100_2026.08.13_Sandy_Fire_NEST_Response_and_Data_Summary.pdf).

Table 4. Top five PM_{10} 24-hour average concentration days for Q2 2026.

Date	Location	PM_{10} Value (µg/m^3)	CAAQS (µg/m^3)
5/18/2026	DOE-3	95.500	50
5/19/2026	DOE-4	95.250	50
5/20/2026	DOE-4	84.625	50
6/24/2026	DOE-4	69.583	50
6/12/2026	DOE-4	65.125	50

4.3 Volatile Organic Compound Data

VOCs are organic chemicals that have high vapor pressure, which causes them to evaporate quickly and enter the surrounding air. VOCs can be naturally occurring or man-made. The VOC data collected can help distinguish between man-made detections from onsite activities or naturally existing organic chemicals. The VOC data collected are compared to screening levels. These screening levels are risk-based concentrations derived from standardized equations combining exposure information with toxicity data.

All four DOE locations were sampled during each of the seven VOC sampling events during this period. Data completeness goals for VOCs exceeded the project goal of 85% (see Table 5).

Table 5. Ambient air VOC data completeness.

Location	Valid Readings (Days)	Possible Readings (Days)	Data Completeness (Percent)
DOE-1	7	7	100%
DOE-2	7	7	100%
DOE-3	7	7	100%
DOE-4	7	7	100%
		Average Total Data Completeness	100%

VOC detection results with associated screening levels are presented in Table B-1 (Appendix B), including comparison to the April 2025 DTSC HHRA Note 3 Screening Levels (DTSC 2025) or the EPA RSLs (EPA 2024).

- During the April 3, 2026 sampling event three analytes exceeded DTSC HHRA Note 3 Screening Levels or the EPA RSLs. Acrolein was detected above the EPA RSL limit of 0.021 µg/m3 at one location at a concentration of 1.6 ;J µg/m3. Benzene was detected above the DTSC HHRA Note 3 level limit of 0.097 µg/m3 at four locations at concentrations of 0.17 J;J µg/m3, 0.15 J;J µg/m3, 0.17 J;J µg/m3, and 0.13 J;J µg/m3. Naphthalene was detected above the EPA RSL limit of 0.083 µg/m3 one location at a concentration of 0.62 J;J µg/m3.
- During the April 15, 2026 sampling event four analytes exceeded DTSC HHRA Note 3 Screening Levels or the EPA RSLs. Acrolein was detected above the EPA RSL limit of 0.021 µg/m3 at two locations at concentrations of 0.28 J; µg/m3 and 0.23 J; µg/m3. Benzene was detected above the DTSC HHRA Note 3 level limit of 0.097 µg/m3 at four locations at concentrations of 0.25 J; µg/m3, 0.23 J; µg/m3 , 0.72 J; µg/m3, and 0.22 J; µg/m3. Acrylonitrile was detected above the EPA RSL limit of 0.041 µg/m3 at one location at a concentration of 0.21 J; µg/m3. Carbon tetrachloride was detected above the EPA RSL limit of 0.47 µg/m3 at two locations at concentrations of 0.49 ; µg/m3 and 0.49 ; µg/m3.
- During the April 28, 2026 sampling event four analytes exceeded DTSC HHRA Note 3 Screening Levels or the EPA RSLs. Acrylonitrile was detected above the EPA RSL limit of 0.041 µg/m3 at one location at a concentration of 0.52 J; µg/m3. Benzene was detected above the DTSC HHRA Note 3 level limit of 0.097 µg/m3 at two locations at concentrations of 0.13 J; µg/m3 and 0.12 J; µg/m3. Carbon tetrachloride was detected above the EPA RSL limit of 0.47 µg/m3 at three locations at concentrations of 0.50 ; µg/m3, 0.52 ; µg/m3 and 0.49 ; µg/m3. Acrolein was detected above the EPA RSL limit of 0.021 µg/m3 at one location at a concentration of 1.2 J; µg/m3.
- During the May 14, 2026 sampling event three analytes exceeded DTSC HHRA Note 3 Screening Levels or the EPA RSLs. Acrolein was detected above the EPA RSL limit of 0.021 µg/m3 at four locations at concentrations of 0.25 J; µg/m3, 0.24 J; µg/m3, 0.91 J; µg/m3, and 1.0 J; µg/m3. Benzene was detected above the DTSC HHRA Note 3 level limit of 0.097 µg/m3 at four locations at concentrations of 0.35 J; µg/m3, 0.30 J; µg/m3, 0.16 J; µg/m3, and 0.29 J; µg/m3. Trichloroethene was detected above the EPA RSL limit of 0.48 µg/m3 at one location at a concentration of 0.71 ; µg/m3.
- During the May 29, 2026 sampling event three analytes exceeded DTSC HHRA Note 3 Screening Levels or the EPA RSLs. Benzene was detected above the DTSC HHRA Note 3 level limit of 0.097 µg/m3 at four locations at concentrations of 0.17 J; µg/m3, 0.16 J; µg/m3, 0.18 J; µg/m3, and 0.14

J; µg/m3. Carbon tetrachloride was detected above the EPA RSL limit of 0.47 µg/m3 at two locations at concentrations of 0.48 ; µg/m3 and 0.48 ; µg/m3. Trichloroethene was detected above the EPA RSL limit of 0.48 µg/m3 at one location at a concentration of 0.58 ; µg/m3.

- During the June 9, 2026 sampling event three analytes exceeded DTSC HHRA Note 3 Screening Levels or the EPA RSLs. Acrolein was detected above the EPA RSL limit of 0.021 µg/m3 at two locations at concentrations of 0.55 J; µg/m3, and 0.31 J; µg/m3. Benzene was detected above the DTSC HHRA Note 3 level limit of 0.097 µg/m3 at four locations at concentrations of 0.51 J; µg/m3, 0.24 J; µg/m3, 0.44 J; µg/m3, and 0.20 J; µg/m3. Ethyl acetate was detected above the EPA RSL limit of 73 µg/m3 at two locations at concentrations of 110 ; µg/m3, and 78 ; µg/m3.
- During the June 24, 2026 sampling event five analytes exceeded DTSC HHRA Note 3 Screening Levels or the EPA RSLs. Acrylonitrile was detected above the EPA RSL limit of 0.041 µg/m3 at one location at a concentration of 0.58 J; µg/m3. Benzene was detected above the DTSC HHRA Note 3 level limit of 0.097 µg/m3 at four locations at concentrations of 0.26 J; µg/m3, 0.25 J; µg/m3, 0.22 J; µg/m3, and 0.22 J; µg/m3. Chloroform was detected above the EPA RSL limit of 0.12 µg/m3 at four locations at concentrations of 0.13 J; µg/m3, 0.14 J; µg/m3, 0.13 J; µg/m3, and 0.14 J; µg/m3. Carbon tetrachloride was detected above the EPA RSL limit of 0.47 µg/m3 at one location at a concentration of 0.50 ; µg/m3. Acrolein was detected above the EPA RSL limit of 0.021 µg/m3 at one location at a concentration of 0.30 J; µg/m3.

Two man-made VOC analytes, dichlorodifluoromethane (freon-12) and ethyl acetate, have been detected routinely at all four monitoring stations during all quarterly sampling events and in duplicate samples, indicating that these VOCs were not caused by the building demolition activities performed during June 2020 through February 2022. It has been noted that dichlorodifluoromethane (freon-12) concentrations detected in DOE samples are generally consistent in range, variations, and frequency with the Boeing and NASA data. This supports the assertion that the source may be regional. Neither the establishment of sources for specific contaminants nor the performance of source apportionment was required for identifying remedial air quality impacts, nor was either within the scope or data quality objectives of the Air Monitoring Program.

However, in response to past DTSC comments concerning ethyl acetate and the significantly higher detections at the DOE locations verses the Boeing and NASA stations, DOE identified a laboratory, Eurofins Environment Testing Northern California, LLC (Eurofins) to analyze split samples for Method TO-15 at each of the DOE air monitoring stations for comparison to the current laboratory, ALS Environmental. DOE collected the split samples during Q2 2026, during one of the bimonthly air sampling events on June 24, 2026. Table B-2 compares the results between the two laboratories and is included in Appendix B. Based on these results DOE has reconsidered the laboratory used for future air monitoring sample analysis of Method TO-15. Starting in Q3 2026 (specifically the August 19, 2026 sampling event) and moving forward, analysis of Method TO-15 has been switched to Eurofins.

4.4 Radionuclide Data

ETEC continuously monitors air at multiple locations for radioactive particles. This is performed for two reasons: (1) to determine the background airborne radioactivity concentration so that any possible releases from work activities can be detected, and (2) to detect any possible release from existing activities.

In Q2 2026, 104 airborne radioactivity filter samples were collected — 26 each for DOE-1, DOE-2, DOE-3, and DOE-4. Each sample was collected on a glass-fiber filter (as discussed in Section 3) and was analyzed

using a "low background" Protean radiation counter system onsite. These samples were analyzed for background radioactive materials and potential Area IV–specific radioactive materials.

The alpha and beta data are presented in Table C-1 (Appendix C). The onsite analysis determined only "alpha" or "beta-gamma" and did not analyze for specific isotopes. Isotopic analysis was performed later by an offsite laboratory. Each sample produced a gross alpha and beta-gamma count. The analysis compared these values with the background radiation count rates, and using the volume of air collected determined the net counts and the minimum detectable concentration (MDC) for each sampling event. Some results in Table C-1 (Appendix C) are shown as negative values (because detector background is subtracted from the result).

While approximately 1% of the gross alpha results and approximately 68% of the gross beta-gamma results are above the MDC, none of these results are significant and all were well below the effluent limits specified in California regulations. This is because the "background" value is computed with a clean filter, not a filter exposed to background airborne concentrations. While a portion of the beta results were detectable, the average results remained low. The elevated (but still low) results may be due to airborne dust or smoke. Historically, there has been a noticeable direct correlation between high wind speeds and higher beta results.

Following collection and onsite analysis, the air filters were composited and analyzed for specific radionuclides by an offsite laboratory. The data are shown in Table C-2 (Appendix C). The laboratory analysis determined that most radioactive material present was natural in origin, consisting of beryllium-7, polonium-210, potassium-40, combined radium-226 and radium-228, thorium-228, thorium-230, thorium-232, uranium-233/234, uranium-235/236, and uranium-238.

While artificial radionuclides (e.g., cesium-137, strontium-90, plutonium-239) were present in very small amounts, none of the results were above the MDC in Q2 2026. The presence of these radionuclides is considered a part of the normal variation of global fallout and resuspension activities.

A summary of the gross air sampling data is shown in Table 6.

Table 6. Gross alpha and beta-gamma average results for Q2 2026.

Location	Average alpha result (µCi/mL)	Average alpha MDC (µCi/mL)	Average beta result (µCi/mL)	Average beta MDC (µCi/mL)
DOE-1	-4.31E-16	6.13E-15	4.03E-14	2.41E-14
DOE-2	-4.41E-16	6.14E-15	3.35E-14	2.41E-14
DOE-3	-6.25E-16	6.13E-15	3.62E-14	2.41E-14
DOE-4	4.10E-17	6.14E-15	4.30E-14	2.41E-14
Average	-3.64E-16	6.14E-15	3.83E-14	2.41E-14

µCi/mL = microcuries per milliliter

During Q2 2026, the NNSA NEST RAP Region 7 was deployed to perform radiation surveys and collect air samples in response to the nearby Sandy Fire wildfire. The team also provided augmentation support to Los Angeles County Radiation Management as they collected air samples at seven sites in the surrounding neighborhoods. NEST Consequence Management Laboratory Analysis personnel processed these samples and reviewed sample result data from Los Angeles County Radiation Management following two subsequent sample changes after the RAP team was redeployed. The Sandy Fire near SSFL in Q2 2026 prompted rapid response including vehicle surveys and air sampling, with results showing radiation levels consistent with natural background. No elevated radiation or man-made nuclides were detected (DOE

2026). The full report can be found at the Santa Susana Field Laboratory Document Library (https://www.dtsc-ssfl.com/files/lib_wildfires/wildfires/71100_2026.08.13_Sandy_Fire_NEST_Response_and_Data_Summary.pdf).

5. QA/QC ACTIVITIES

The following QA/QC activities were conducted for the PM_{10}, VOC, radionuclide, and meteorological data collection and analysis.

5.1 Field QA/QC

5.1.1 PM_{10}

The 24-hour daily averages for Q2 2026 are presented in Appendix A along with the monthly minimum, maximum, and 95th percentile for each station location. In addition, the nearby SLAMS, Simi Valley – Cochran Street – PM_{10} Daily Averages, from 04/01/2026 to 06/30/2026 along with the monthly average minimum, maximum, and 95th percentile for the Simi Valley – Cochran Street location, are presented in Appendix A (2026).

Flow Verifications

Functionality of the Met One E-BAM units is verified and recorded monthly during instrument audits; however, the instruments are also checked several times a week for operability. During the monthly audits, the Met One E-BAM temperature, pressure, and flow rate are verified against a National Institute of Standards and Technology (NIST) traceable flowmeter. The flow rate audit results are presented as bias percentages. The average quarterly bias for each DOE site (DOE-1, DOE-2, DOE-3, and DOE-4) is compared to the flow rate measurement quality objective of +/- 4%.

E-BAM units are occasionally swapped out for maintenance. When this occurs during a quarter, the reported quarterly bias percentage for the affected DOE site is based on the combined monthly audit results for the E-BAM units that operated at the site during that quarter. During Q2 2026, the monitors at both DOE-1 and DOE-3 stopped functioning in early May and were replaced. The Q2 2026 quarterly flow rate bias percentages at the four E-BAM sites ranged from -2.04 to -1.1%. These results were within the flow rate measurement quality objective of +/- 4%.

Complete audit reports and flow verification results for Q2 2026 are presented in Appendix D of this document. The flow rate verifications were based on 40 CFR 58, Appendix A, 3.3.1 and 4.2.2 through 4.2.3, along with the *Guideline on the Meaning and the Use of Precision and Bias Data Required by 40 CFR Part 58 Appendix A* (EPA 2007). The *Data Assessment Statistical Calculator* (DASC) tool, which is an EPA Excel-based software application, was used to perform the necessary statistical calculations based on the flowrate data collected during the monthly audits. Sections 2 and 2.5 of this EPA guidance document (EPA 2007) provide additional information and instructions for using the DASC tool.

5.1.2 VOCs

All data underwent at least two levels of QC review at the laboratory prior to transmission to North Wind. A minimum of 20% of the transmitted VOC results undergo Level IV data validation, annually. During this quarter, two of the seven sample delivery groups (SDGs), P2601339 and P2601476, underwent Level IV data validation. The data validation ensures that the required analytical measurement quality objectives are met to ensure the data are of sufficient quality for their intended purpose.

Each location had valid readings on the seven sample days for a sample completeness of 100%. Data completeness goals for VOCs exceeded the project goal of 85%.

5.1.3 Field Duplicates

Seven field duplicates were collected during this reporting period, and seven sampling events were conducted for the Q2 2026 effort. Of the two field duplicate pairs that were validated in Q2 2026 for SDGs P2601339 and P2601476, the following analytes exceeded the quality objective of +/- 15% relative percent difference (RPD):

- Acrolein, 2-propanol (isopropyl alcohol), and ethyl acetate in SDG P2601339
- 2-Propanol (isopropyl alcohol) and ethyl acetate in SDG P2601476.

5.1.4 Canister Pressure

Vacuum in the canisters is measured before and after sampling with an analog pressure gauge to ensure proper function. Final canister vacuums ranged from -6.0 inches mercury (Hg) to -1.0 inches Hg during this reporting period.

5.1.5 Radiological

The detector for onsite gross alpha and beta sample analysis is calibrated annually by a third-party vendor using sources traceable to the NIST. The detector is checked by counting alpha- and beta-emitting sources at the site when received from the vendor following calibration. This establishes an acceptable performance range for daily source checks. On each day the detector is used, performance is determined with the site source. The detector may be used if the daily check is within the acceptable performance range.

Samples analyzed at the offsite laboratory are QC-checked at the laboratory. These QC checks include blanks, laboratory replicates, matrix spikes, and matrix spike duplicates. Barium, which behaves chemically similar to radium, is used as a carrier to determine the yield of the chemical extraction.

Since Q2 2021, 100% of the radiological analytical results have undergone Level IV, third-party data validation. The data validation ensures that the required analytical measurement quality objectives are met to ensure the data are of sufficient quality for their intended purpose.

5.1.6 Meteorological

During the reporting period, a weekly data validation screening and review was performed on the monitored meteorological parameters based on the EPA guidance document *Meteorological Monitoring Guidance for Regulatory Modeling Applications* (EPA 2000), Table 8-4 – Suggested Data Screening Criteria, as outlined in Section 4.1. The data validation procedure provided the basis for evaluating data completeness and for determining sensor performance and/or maintenance status.

5.1.7 Maintenance

Routine visual checks were performed on the meteorological station during weekly site visits to download data. This included inspection of the meteorological tower sensors, E-BAM monitoring unit wind sensors, and solar-powered batteries to ensure proper functioning.

5.1.8 Corrective Action

Issues and corrective actions regarding the PM_{10} monitors and the meteorological station are noted in Sections 5.1.8.1 and 5.1.8.2, respectively. No issues or corrective actions were noted regarding the remaining monitoring equipment or sampling events during this reporting period.

5.1.8.1 PM_{10} Monitors

E-BAM units are occasionally swapped out for maintenance or repair. Also, due to the sporadic shutdowns and flow failures of DOE-3 during the previous quarter, North Wind has started downloading and reviewing E-BAM data more frequently to catch potential data quality issues sooner and swap out units when necessary. Refer to Section 4.2 for a detailed description of PM_{10} air monitoring equipment issues.

5.1.8.2 Meteorological Station

This section covers data quality issues and associated corrective actions that occurred during the current monitoring quarter. The year-to-date annual data percent completion goal of ≥ 80% was met during Q2 2026 for all parameters except wind speed. Quality issues this quarter included: (1) continued post-processing of the delta temperature data to resolve a datalogger programming equation where the 10-m and 2-m temperature parameters are reversed, (2) replacement of the wind speed sensor which failed late December 2025 and was replaced early February 2026 is still causing the <80% data completion goal even with a 100% data completion in Q2 2026, and (3) implementation of the recommended sensor maintenance schedule (shown in Table 7 for reference).

(1) Delta Temperature Calculation

- Data Quality Issue:
  - For meteorological monitoring, delta temperature should be defined as T at the higher level minus T at the lower level. The original datalogger was programmed to calculate this correctly. However, after the 2018 Woolsey Wildfire and replacement of the entire meteorological station, the replacement datalogger was improperly programmed to calculate the inverse of delta temperature. Consequently, delta temperature observations continue to be calculated by the datalogger with an opposite sign compared to the values from the original data logger.
- Corrective Action:
  - Datalogger Equation – Instead of reprogramming the datalogger to correctly calculate delta temperature, an adjustment multiplication factor of "-1" has been applied to the delta temperature values from the new data logger prior to performing the data validation.

    Resolution – With application of the "-1" multiplication factor, delta temperature values in the validated project dataset accurately present delta temperature as:

    Delta Temperature = [Temperature @ 10 m] minus [Temperature @ 2 m]

(2) Wind Speed Sensor:

- Data Quality Issue:

- The wind speed sensor failed late December 2025. During the data quality validation process, the DOE-4 wind speed observations were found to be at the minimum value (0.3 m/sec) continuously for multiple days, indicative of a failed sensor. The wind speed sensor failure occurred on December 26, 2025, and was not identified until early January 2026 due to a scheduled site shutdown. The cause of the sensor failure was not determined.

- Corrective Actions:

  - Replacement Sensor – The wind speed sensor was replaced on February 9, 2026, and is performing within quality acceptance criteria since its replacement. The year-to-date data completion calculation is still <80% due to this sensor failure and replacement from Q1 2026. However, during Q2 2026 the wind speed sensor completeness was 100%, and it is expected that by next quarter the year-to-date completeness for wind speed will be >80%.

(3) Recommended Maintenance Schedule:

Although not a corrective action, the manufacturer's recommended maintenance frequency for meteorological sensors is presented below for information purposes. Proper and timely maintenance of the meteorological sensors is critical for ensuring that the data are not only valid (based on screening criteria) but also accurate. Schedules for maintenance and calibration are provided in the sensor user manuals and based on the in-service time of the sensor. Table 7 lists the recommended maintenance schedules for the Met One sensors installed at the DOE-4 meteorological station.

Table 7. Meteorological sensor recommended maintenance frequency (Met One).

Sensor	Frequency	Maintenance
WS	6–12 Month	Inspect for proper operation (manual check of pulses per revolution, bearing condition, anemometer cup condition, and bearing replacement if warranted)
	12–24 Month	Return to Met One for complete overhaul
WD	6–12 Month	Inspect for proper operation (manual check of sensor readings through 360°)
	6–12 Month	Field calibration
	12–24 month	Replace bearings & potentiometer
T	6–12 Month	Inspect sensor for proper operation (field comparison sensor reading against a precision mercury thermometer)
RH	6–12 Month	Inspect sensor for proper operation (compare sensor reading against local weather service or field psychrometer)
	12 Month	Return sensor to Met One for calibration and replacement of O-rings and filter membrane
Rain Gauge	6 Month	Clean sensor and bucket and field verify proper operation
Pressure	12 Month	Return sensor to Met One for calibration and replacement of O-rings and filter membrane
Radiometer	Monthly	Clean sensor glass dome with clean rag/tissue

Note: Maintenance schedules are as specified in the respective Met One sensor user manuals.

5.2 Laboratory QA/QC

This report covers 35 air monitoring samples for VOCs collected and analyzed according to the EPA Toxic Compendium Method TO-15, *Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)* (EPA 1999). These samples were reported under seven SDGs by the laboratory. All seven SDG analyses were performed by ALS Environmental in Simi Valley, CA. For each SDG, the laboratory ran continuing calibration verification, a method blank, and laboratory control samples, and verified surrogate recoveries for each sample.

The laboratory provided certified clean canisters for the sampling events. The certification of the canister batch is considered the equipment blank for each sampling event. The ALS Environmental case narrative discusses the cleaning of the canisters.

5.3 Audit Results

The PM_{10} instruments were calibrated at the manufacturer and were functioning properly upon installation. The PM_{10} instruments were audited monthly with a secondary NIST traceable flow meter. Although audits occur only monthly, the instruments were checked several times a week to ensure that they were functioning. Table 8 lists the dates for audits conducted in January through March 2026. No flow rate comparisons exceeded the project's acceptance criterion of +/- 4. The sample nozzles and support vanes were cleaned as needed. Complete audit reports are presented in Appendix D.

Table 8. PM_{10} audit completeness.

Location	Met One E-BAM Serial Number	Parameter	Date
DOE-1	B18932	PM_{10}	04/28/2026
DOE-2	B20070	PM_{10}	04/28/2026
DOE-3	W23313	PM_{10}	04/28/2026
DOE-4	X16067	PM_{10}	04/28/2026
DOE-1	Unit not Running	PM_{10}	05/29/2026
DOE-2	B20070	PM_{10}	05/29/2026
DOE-3	F12310	PM_{10}	05/29/2026
DOE-4	X16067	PM_{10}	05/29/2026
DOE-1	Y12096	PM_{10}	06/30/2026
DOE-2	B20070	PM_{10}	06/30/2026
DOE-3	F12310	PM_{10}	06/30/2026
DOE-4	X16067	PM_{10}	06/30/2026

6. REFERENCES

40 CFR 58, Appendix C – Ambient Air Quality Monitoring Methodology.

California Environmental Protection Agency, Department of Toxic Substances Control (DTSC). 2018. *Approval of the Final Air Monitoring Station Locations for the Santa Susana Field Laboratory, Ventura County, California.* January.

California Environmental Protection Agency, DTSC. 2025. Human and Ecological Risk Office Human Health Risk Assessment Note Number 3, DTSC-modified Screening Levels. April. Available online at: https://dtsc.ca.gov/wp-content/uploads/sites/31/2025/04/HHRA-Note-3-Revised-April-2025.pdf.

National Aeronautics and Space Administration (NASA). 2017. *Baseline Air Monitoring Work Plan, Santa Susana Field Laboratory, Ventura County, California.* Prepared for California Department of Toxic Substances Control. Prepared on behalf of National Aeronautics and Space Administration, George C. Marshall Space Flight Center, The Boeing Company, and Department of Energy, Energy Technology and Engineering Center. September. Available online at: SSFL Baseline Air Monitoring Work Plan

U.S. Department of Energy (DOE). 1993. *Radiation Protection of the Public and the Environment; Chapter III, Derived Concentration Guides for Air and Water; Figure III-1*. DOE Order 5400.5.

DOE. 2026. *Sandy Fire NEST Response and Data Summary.* May. Available online at: 71100_2026.08.13_Sandy_Fire_NEST_Response_and_Data_Summary.pdf

U.S. Environmental Protection Agency (EPA). 1999. *Air Method, Toxic Organics-15 (TO-15), Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)*. EPA 625/R-96/010b. January. Available online at: https://19january2017snapshot.epa.gov/sites/production/files/2015-07/documents/epa-to-15_0.pdf

EPA. 2000. *Meteorological Monitoring Guidance for Regulatory Modeling Applications, United State Environmental Protection Agency, Office of Air Quality Planning and Standards*. EPA-454/R-99-005. February.

EPA. 2007. *Guideline on the Meaning and the Use of Precision and Bias Data Required by 40 CFR Part 58 Appendix A, Version 1.1*. EPA-454/B-07-001. October.

EPA. 2017. *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II, Ambient Air Monitoring Program*. EPA-454/B-17-001. January.

EPA. 2024. Regional Screening Levels – Generic Tables. https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables. November.

EPA. 2026. Air Data, Pre-Generated Data Files, Particulates 2026 PM10 Daily Mass. https://www.epa.gov/outdoor-air-quality-data/download-daily-data.

Figure 1 – SSFL Air Monitoring Locations

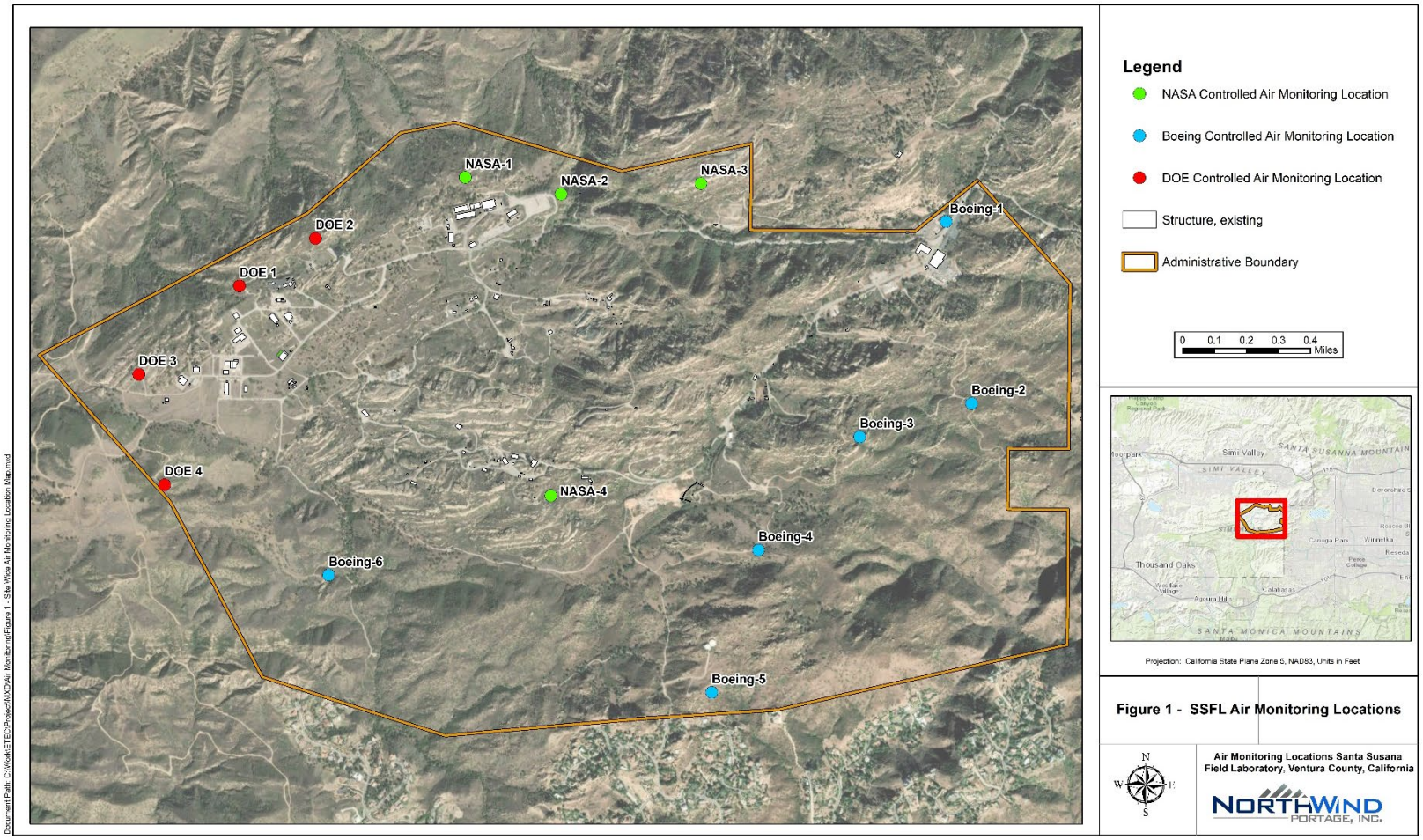


Figure 2 – DOE Air Monitoring Locations

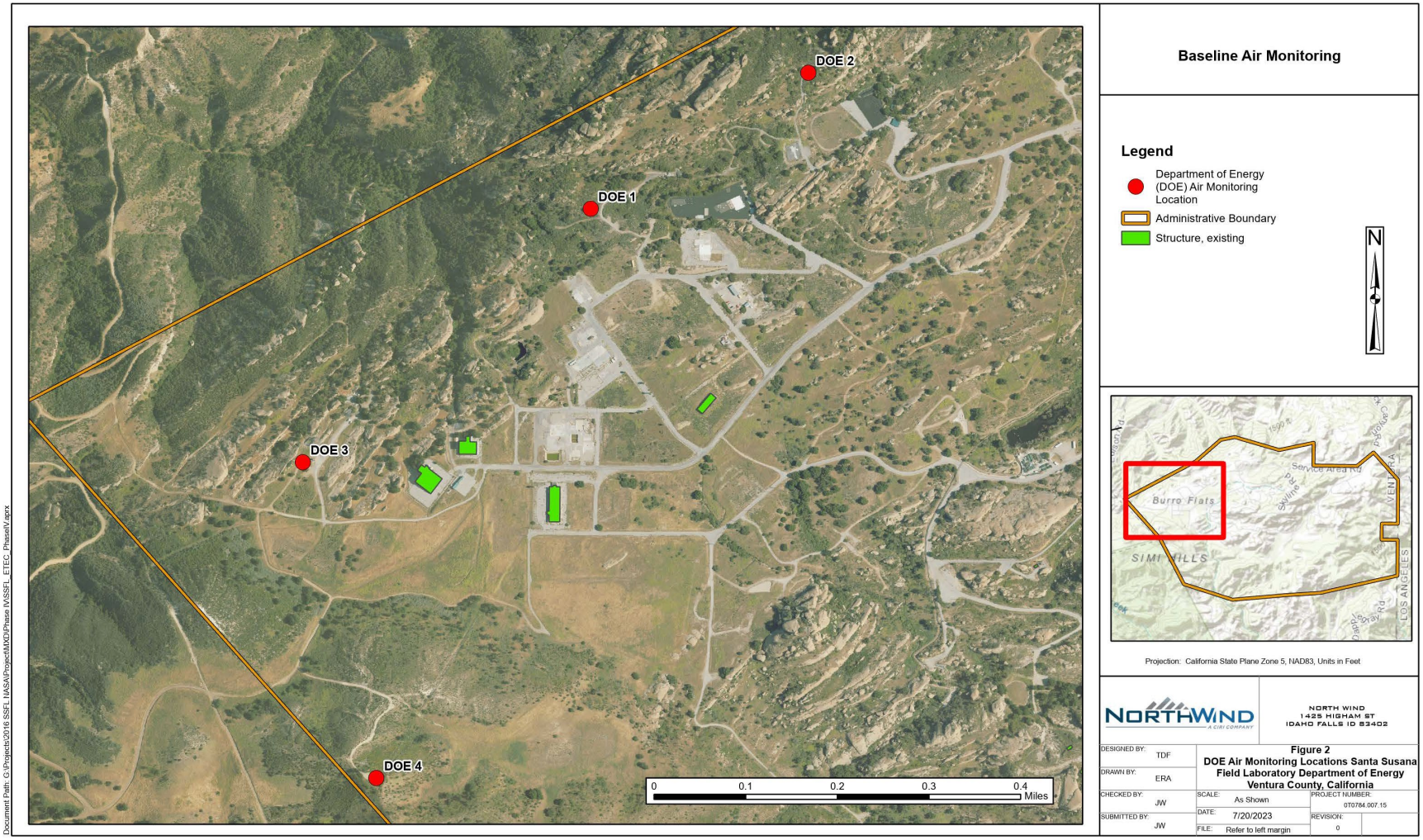
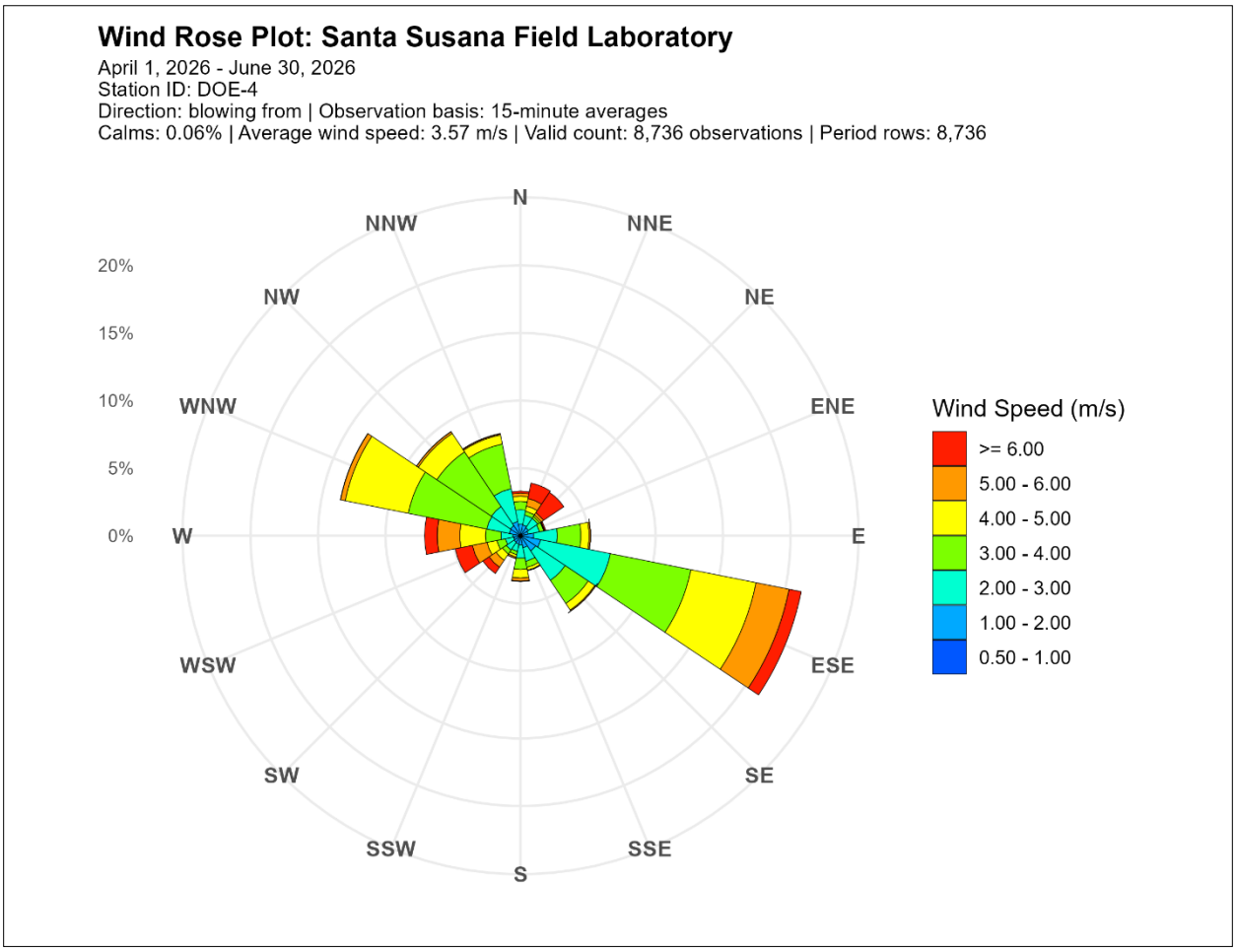


Figure 3 – DOE Quarterly Wind Rose



APPENDIX A
PM_{10} Daily Averages and Monthly Statistics

PM_{10} Daily Averages

Sample Date	DOE-1	DOE-2	DOE-3	DOE-4
	PM_{10} (µg/m³) (CAAQS 50 µg/m³)	PM_{10} (µg/m³) (CAAQS 50 µg/m³)	PM_{10} (µg/m³) (CAAQS 50 µg/m³)	PM_{10} (µg/m³) (CAAQS 50 µg/m³)
04/01/2026	10.041	18.066	14.458	5.708
04/02/2026	13.175	13.675	16.666	12.166
04/03/2026	14.683	24.291	16.166	14.833
04/04/2026	4.879	5.245	5.666	1.625
04/05/2026	4.320	5.216	3.875	3.208
04/06/2026	13.154	13.995	15.791	13.041
04/07/2026	23.283	24.162	23.833	20.333
04/08/2026	27.479	20.162	22.333	15.458
04/09/2026	19.670	15.841	17.958	20.500
04/10/2026	12.058	12.054	14.250	9.541
04/11/2026	4.408	6.700	7.375	2.208
04/12/2026	9.208	7.441	9.916	3.291
04/13/2026	11.350	8.795	9.625	7.125
04/14/2026	8.770	7.075	9.208	7.666
04/15/2026	13.158	11.966	14.333	11.833
04/16/2026	13.195	9.433	13.666	10.708
04/17/2026	22.537	22.975	20.541	18.750
04/18/2026	9.841	11.895	9.958	9.083
04/19/2026	19.500	16.870	21.750	16.916
04/20/2026	13.558	13.479	15.791	12.416
04/21/2026	8.375	5.916	17.208	12.916
04/22/2026	11.366	10.595	16.916	8.125
04/23/2026	5.329	6.912	3.791	4.250
04/24/2026	21.029	14.816	17.416	14.416
04/25/2026	14.041	13.250	21.250	10.666
04/26/2026	9.400	9.541	16.458	7.375
04/27/2026	15.858	10.608	16.333	13.375
04/28/2026	6.595	14.082	7.041	10.791
04/29/2026	15.008	14.129	12.125	11.583
04/30/2026	23.812	20.691	22.000	14.250
05/01/2026	24.025	24.983	30.750	20.708
05/02/2026	7.100	21.529	23.090	19.208
05/03/2026	—	10.266	—	14.125
05/04/2026	—	4.745	—	4.250
05/05/2026	—	5.900	—	4.333
05/06/2026	—	11.795	—	8.416

Sample Date	DOE-1	DOE-2	DOE-3	DOE-4
	PM_{10} (µg/m³) (CAAQS 50 µg/m³)	PM_{10} (µg/m³) (CAAQS 50 µg/m³)	PM_{10} (µg/m³) (CAAQS 50 µg/m³)	PM_{10} (µg/m³) (CAAQS 50 µg/m³)
05/07/2026	—	17.245	—	14.708
05/08/2026	—	18.345	—	14.166
05/09/2026	—	18.887	—	17.583
05/10/2026	—	18.345	—	17.166
05/11/2026	—	13.729	—	12.541
05/12/2026	—	15.154	—	18.958
05/13/2026	—	11.133	—	15.625
05/14/2026	—	15.600	—	17.000
05/15/2026	—	13.162	22.261	17.500
05/16/2026	—	20.650	17.450	21.625
05/17/2026	—	27.491	—	22.583
05/18/2026	—	24.700	95.500	62.291
05/19/2026	—	62.087	48.620	95.250
05/20/2026	—	19.362	52.408	84.625
05/21/2026	—	24.529	26.437	38.166
05/22/2026	—	32.804	33.933	30.375
05/23/2026	—	20.012	24.195	15.375
05/24/2026	—	10.483	15.145	11.958
05/25/2026	—	11.550	12.370	14.583
05/26/2026	—	10.475	13.479	14.250
05/27/2026	—	11.770	12.654	8.333
05/28/2026	—	6.362	8.737	7.916
05/29/2026	—	6.230	6.979	10.208
05/30/2026	—	11.141	10.150	8.333
05/31/2026	—	13.066	14.016	10.125
06/01/2026	—	29.608	29.133	22.250
06/02/2026	—	18.529	22.583	25.375
06/03/2026	—	22.079	22.720	19.708
06/04/2026	—	22.050	26.362	20.291
06/05/2026	—	14.108	17.683	24.416
06/06/2026	—	19.437	26.362	19.125
06/07/2026	—	17.579	21.429	18.250
06/08/2026	—	21.937	23.558	23.375
06/09/2026	42.600	18.558	21.287	19.416
06/10/2026	30.625	20.041	22.895	16.875
06/11/2026	31.500	21.325	23.537	30.750
06/12/2026	25.250	13.050	17.795	65.125
06/13/2026	23.375	15.945	14.675	21.416

Sample Date	DOE-1	DOE-2	DOE-3	DOE-4
	PM_{10} (µg/m³) (CAAQS 50 µg/m³)	PM_{10} (µg/m³) (CAAQS 50 µg/m³)	PM_{10} (µg/m³) (CAAQS 50 µg/m³)	PM_{10} (µg/m³) (CAAQS 50 µg/m³)
06/14/2026	23.500	11.745	14.754	14.500
06/15/2026	25.875	26.208	19.458	22.291
06/16/2026	24.625	17.854	16.783	21.041
06/17/2026	24.000	14.662	19.083	20.708
06/18/2026	21.125	14.633	17.337	17.625
06/19/2026	17.000	10.741	12.750	13.041
06/20/2026	21.250	17.270	16.945	21.333
06/21/2026	29.250	22.100	22.108	33.583
06/22/2026	23.708	14.625	16.870	37.500
06/23/2026	26.875	21.041	18.804	47.833
06/24/2026	26.708	14.995	19.500	69.583
06/25/2026	25.000	15.629	17.183	53.541
06/26/2026	27.791	20.562	24.308	41.916
06/27/2026	22.791	16.466	20.175	29.416
06/28/2026	19.875	13.695	15.983	13.041
06/29/2026	24.666	18.620	23.041	23.250
06/30/2026	23.166	14.758	18.041	16.333

Notes:

"—" indicates a filter sensor pressure failure with no value.

CAAQS = California Ambient Air Quality Standards

NAAQS = National Ambient Air Quality Standards

µg/m3 = microgram per cubic meter

Gray-shaded boxes with bold numbers indicate value exceeded the CAAQS but are below the NAAQS of 150 µg/m3.

EPA – Simi Valley – Cochran Street – PM_{10} Daily Averages, 04/01/2026–06/30/2026

Simi Valley PM_{10} Sample Date	Simi Valley AQS # 061112002
	PM_{10} (µg/m³) (CAAQS 50 µg/m³)
04/01/26	9
04/02/26	16
04/03/26	34
04/04/26	8
04/05/26	10
04/06/26	23
04/07/26	30
04/08/26	27
04/09/26	23
04/10/26	12
04/11/26	6
04/12/26	9
04/13/26	11
04/14/26	14
04/15/26	16
04/16/26	18
04/17/26	44
04/18/26	20
04/19/26	25
04/20/26	21
04/21/26	10
04/22/26	11
04/23/26	12
04/24/26	21
04/25/26	18
04/26/26	12
04/27/26	14
04/28/26	17
04/29/26	21
04/30/26	28
05/01/26	34
05/02/26	28
05/03/26	15
05/04/26	7
05/05/26	10
05/06/26	16
05/07/26	23
05/08/26	24
05/09/26	23

Simi Valley PM_{10} Sample Date	Simi Valley AQS # 061112002
	PM_{10} (µg/m³) (CAAQS 50 µg/m³)
05/10/26	22
05/11/26	24
05/12/26	22
05/13/26	19
05/14/26	21
05/15/26	23
05/16/26	29
05/17/26	32
05/18/26	36
05/19/26	27
05/20/26	27
05/21/26	35
05/22/26	37
05/23/26	28
05/24/26	16
05/25/26	16
05/26/26	18
05/27/26	18
05/28/26	12
05/29/26	12
05/30/26	17
05/31/26	24
06/01/26	38
06/02/26	29
06/03/26	28
06/04/26	32
06/05/26	27
06/06/26	29
06/07/26	24
06/08/26	31
06/09/26	28
06/10/26	33
06/11/26	33
06/12/26	22
06/13/26	22
06/14/26	20
06/15/26	26
06/16/26	26
06/17/26	23
06/18/26	18

Simi Valley PM_{10} Sample Date	Simi Valley AQS # 061112002
	PM_{10} (µg/m^3) (CAAQS 50 µg/m^3)
06/19/26	13
06/20/26	17
06/21/26	20
06/22/26	23
06/23/26	28
06/24/26	27
06/25/26	23
06/26/26	28
06/27/26	22
06/28/26	17
06/29/26	26
06/30/26	24

Notes:

Data supplied from https://www.epa.gov/outdoor-air-quality-data/download-daily-data (2026) Only the Simi Valley PM_{10} data from the SLAMS have been reported here. The Simi Valley $PM_{2.5}$ and the Reseda $PM_{2.5}$ have not been reported here since this report discusses only PM_{10} data, not $PM_{2.5}$ data. This webpage stated" This EPA query provides PM_{10} data from AirNow for recent days that are not available from the Air Quality System (AQS). AQS data, as it becomes available, replaces any AirNow data. The AirNow data are not fully verified and validated through the quality assurance procedures monitoring organizations use to officially submit and certify data on the EPA AQS and, therefore, cannot be used to formulate or support regulation, guidance or any other Agency decision or position."

PM_{10} Monthly Statistics

Location ID	April 2026			May 2026			June 2026		
	PM_{10}			PM_{10}			PM_{10}		
	High	Low	95th PCTL	High	Low	95th PCTL	High	Low	95th PCTL
DOE-1	27.479	4.32	23.574	24.025	7.1	23.179	42.6	17	31.456
DOE-2	24.291	5.216	23.628	62.087	4.745	30.148	29.608	10.741	24.359
DOE-3	23.833	3.791	22.183	95.5	6.979	58.872	29.133	12.75	26.362
DOE-4	20.5	1.625	19.621	95.25	4.25	73.458	69.583	13.041	59.912

PCTL = percentile

EPA – Simi Valley – Cochran Street – PM_{10} Monthly Statistics, 04/01/2026–06/30/2026

Location ID	April 2026			May 2026			June 2026		
	PM 10			PM 10			PM 10		
	High	Low	95th PCTL	High	Low	95th PCTL	High	Low	95th PCTL
Simi Valley AQS # 061112002 (PM_{10})	44.00000	6.00000	32.20000	37.00000	7.00000	35.50000	38.00000	13.00000	33.00000

Notes:

Data supplied from https://www.epa.gov/outdoor-air-quality-data/download-daily-data (2026) Only the Simi Valley PM_{10} data from the SLAMS have been reported here. The Simi Valley $PM_{2.5}$ and the Reseda $PM_{2.5}$ have not been reported here since this report discusses only PM_{10} data, not $PM_{2.5}$ data. This webpage stated" This EPA query provides PM_{10} data from AirNow for recent days that are not available from the Air Quality System (AQS). AQS data, as it becomes available, replaces any AirNow data. The AirNow data are not fully verified and validated through the quality assurance procedures monitoring organizations use to officially submit and certify data on the EPA AQS and, therefore, cannot be used to formulate or support regulation, guidance or any other Agency decision or position."

APPENDIX B
Analytical Results for Ambient Air VOCs

Table B-1. Ambient air VOC detection results compared to Screening Level Values.

ID	Sample Date	Analyte	DTSC HHRA NOTE 3	US EPA RSL	MDL	MRL	Unit	Result
DOE-1	4/3/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.66	µg/m^3	**0.37 J; J**
DOE-1	4/3/2026	1,4-Dioxane	—	0.56	0.090	0.76	µg/m^3	**0.20 J; J-**
DOE-1	4/3/2026	2-butanone	—	5200	0.16	1.5	µg/m^3	**0.49 J; J**
DOE-1	4/3/2026	Benzene	0.097	—	0.11	0.73	µg/m^3	**0.17 J; J**
DOE-1	4/3/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m^3	**0.47 ;**
DOE-1	4/3/2026	Chloromethane	—	94	0.12	0.30	µg/m^3	**1.0 ;**
DOE-1	4/3/2026	Dichlorodifluoromethane	—	100	0.12	0.72	µg/m^3	**1.9 ;**
DOE-1	4/3/2026	Ethyl acetate	—	73	0.40	2.8	µg/m^3	**5.9 ;**
DOE-1	4/3/2026	Isopropanol	—	210	0.31	2.9	µg/m^3	**3.3 ;**
DOE-1	4/3/2026	Methylene chloride	1	—	0.21	0.66	µg/m^3	**0.33 J; J**
DOE-1	4/3/2026	Toluene	440	—	0.093	0.78	µg/m^3	**0.12 J; J**
DOE-1	4/3/2026	Trichlorofluoromethane	1300	—	0.12	0.72	µg/m^3	**1.0 ;**
DOE-2	4/3/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.66	µg/m^3	**0.40 J; J**
DOE-2	4/3/2026	1,2,4-trimethylbenzene	—	63	0.11	0.75	µg/m^3	**0.20 J; J**
DOE-2	4/3/2026	2-butanone	—	5200	0.16	1.5	µg/m^3	**0.80 J; J**
DOE-2	4/3/2026	2-hexanone	—	31	0.094	1.5	µg/m^3	**0.13 J; J**
DOE-2	4/3/2026	Acrolein	—	0.021	0.21	1.6	µg/m^3	**1.6 ; J**
DOE-2	4/3/2026	Benzene	0.097	—	0.11	0.73	µg/m^3	**0.15 J; J**
DOE-2	4/3/2026	Carbon disulfide	—	730	0.23	1.5	µg/m^3	**0.31 J; J**
DOE-2	4/3/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m^3	**0.40 ;**
DOE-2	4/3/2026	Chloromethane	—	94	0.12	0.30	µg/m^3	**1.3 ;**
DOE-2	4/3/2026	Dichlorodifluoromethane	—	100	0.12	0.72	µg/m^3	**2.1 ;**
DOE-2	4/3/2026	Ethyl acetate	—	73	0.40	2.8	µg/m^3	**70 ; J**
DOE-2	4/3/2026	Isopropanol	—	210	0.31	2.9	µg/m^3	**19 ; J**
DOE-2	4/3/2026	Methylene chloride	1	—	0.21	0.66	µg/m^3	**0.41 J; J**
DOE-2	4/3/2026	Naphthalene	—	0.083	0.19	0.78	µg/m^3	**0.62 J; J**
DOE-2	4/3/2026	Toluene	440	—	0.093	0.78	µg/m^3	**0.14 J; J**
DOE-2	4/3/2026	Trichlorofluoromethane	1300	—	0.12	0.72	µg/m^3	**1.2 ;**
DOE-3	4/3/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.65	µg/m^3	**0.41 J; J**
DOE-3	4/3/2026	2-butanone	—	5200	0.16	1.4	µg/m^3	**0.39 J; J**
DOE-3	4/3/2026	Benzene	0.097		0.11	0.72	µg/m^3	**0.17 J; J**
DOE-3	4/3/2026	Carbon tetrachloride	—	0.47	0.11	0.14	µg/m^3	**0.41 ;**
DOE-3	4/3/2026	Chloromethane	—	94	0.12	0.30	µg/m^3	**1.2 ;**
DOE-3	4/3/2026	Dichlorodifluoromethane	—	100	0.12	0.72	µg/m^3	**2.2 ;**
DOE-3	4/3/2026	Ethyl acetate	—	73	0.40	2.8	µg/m^3	**6.2 ;**

ID	Sample Date	Analyte	DTSC HHRA NOTE 3	US EPA RSL	MDL	MRL	Unit	Result
DOE-3	4/3/2026	Isopropanol	—	210	0.31	2.9	µg/m³	**17 ;**
DOE-3	4/3/2026	Methylene chloride	1	—	0.21	0.65	µg/m³	**0.40 J; J**
DOE-3	4/3/2026	Toluene	440	—	0.092	0.77	µg/m³	**0.18 J; J**
DOE-3	4/3/2026	Trichlorofluoromethane	1300	—	0.12	0.72	µg/m³	**1.2 ;**
DOE-4	4/3/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.67	µg/m³	**0.45 J; J**
DOE-4	4/3/2026	2-butanone	—	5200	0.16	1.5	µg/m³	**0.33 J; J**
DOE-4	4/3/2026	Benzene	0.097	—	0.11	0.74	µg/m³	**0.13 J; J**
DOE-4	4/3/2026	Carbon disulfide	—	730	0.23	1.5	µg/m³	**0.39 J; J**
DOE-4	4/3/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m³	**0.42 ;**
DOE-4	4/3/2026	Chloromethane	—	94	0.12	0.30	µg/m³	**1.3 ;**
DOE-4	4/3/2026	Dichlorodifluoromethane	—	100	0.13	0.73	µg/m³	**2.1 ;**
DOE-4	4/3/2026	Ethyl acetate	—	73	0.41	2.8	µg/m³	**4.6 ;**
DOE-4	4/3/2026	Isopropanol	—	210	0.32	3.0	µg/m³	**7.2 ;**
DOE-4	4/3/2026	Methylene chloride	1	—	0.22	0.67	µg/m³	**0.43 J; J**
DOE-4	4/3/2026	Toluene	440	—	0.094	0.79	µg/m³	**0.12 J; J**
DOE-4	4/3/2026	Trichlorofluoromethane	1300	—	0.12	0.73	µg/m³	**1.2 ;**
DOE-1	4/15/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.68	µg/m³	**0.51 J;**
DOE-1	4/15/2026	1,2-Dichloroethane	—	0.11	0.087	0.15	µg/m³	**0.093 J;**
DOE-1	4/15/2026	2-butanone	—	5200	0.16	1.5	µg/m³	**0.58 J;**
DOE-1	4/15/2026	Acrolein	—	0.021	0.22	1.6	µg/m³	**0.28 J;**
DOE-1	4/15/2026	Benzene	0.097	—	0.11	0.75	µg/m³	**0.25 J;**
DOE-1	4/15/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m³	**0.45 ;**
DOE-1	4/15/2026	Chloromethane	—	94	0.13	0.31	µg/m³	**1.3 ;**
DOE-1	4/15/2026	Dichlorodifluoromethane	—	100	0.13	0.74	µg/m³	**2.5 ;**
DOE-1	4/15/2026	Ethyl acetate	—	73	0.41	2.9	µg/m³	**14 ;**
DOE-1	4/15/2026	Isopropanol	—	210	0.32	3.0	µg/m³	**1.7 J;**
DOE-1	4/15/2026	Methylene chloride	1	—	0.22	0.68	µg/m³	**0.45 J;**
DOE-1	4/15/2026	Tetrahydrofuran	—	2100	0.098	1.5	µg/m³	**1.0 J;**
DOE-1	4/15/2026	Toluene	440	—	0.096	0.80	µg/m³	**0.28 J;**
DOE-1	4/15/2026	Trichlorofluoromethane	1300	—	0.12	0.74	µg/m³	**1.2 ;**
DOE-2	4/15/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.12	0.70	µg/m³	**0.49 J;**
DOE-2	4/15/2026	2-butanone	—	5200	0.17	1.6	µg/m³	**0.49 J;**
DOE-2	4/15/2026	Acrylonitrile	—	0.041	0.17	1.6	µg/m³	**0.21 J;**
DOE-2	4/15/2026	Benzene	0.097	—	0.12	0.78	µg/m³	**0.23 J;**
DOE-2	4/15/2026	Carbon disulfide	—	730	0.24	1.6	µg/m³	**0.70 J;**
DOE-2	4/15/2026	Carbon tetrachloride	—	0.47	0.11	0.16	µg/m³	**0.45 ;**

ID	Sample Date	Analyte	DTSC HHRA NOTE 3	US EPA RSL	MDL	MRL	Unit	Result
DOE-2	4/15/2026	Chloromethane	—	94	0.13	0.32	µg/m³	**1.4 ;**
DOE-2	4/15/2026	Dichlorodifluoromethane	—	100	0.13	0.77	µg/m³	**2.4 ;**
DOE-2	4/15/2026	Ethyl acetate	—	73	0.43	3.0	µg/m³	**6.3 ;**
DOE-2	4/15/2026	Isopropanol	—	210	0.33	3.1	µg/m³	**1.7 J;**
DOE-2	4/15/2026	Methylene chloride	1	—	0.23	0.70	µg/m³	**0.47 J;**
DOE-2	4/15/2026	Toluene	440	—	0.099	0.83	µg/m³	**0.23 J;**
DOE-2	4/15/2026	Trichlorofluoromethane	1300	—	0.12	0.77	µg/m³	**1.2 ;**
DOE-3	4/15/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.69	µg/m³	**0.54 J;**
DOE-3	4/15/2026	1,2-Dichloroethane	—	0.11	0.088	0.15	µg/m³	**0.10 J;**
DOE-3	4/15/2026	2-butanone	—	5200	0.16	1.5	µg/m³	**0.50 J;**
DOE-3	4/15/2026	Acrolein	—	0.021	0.22	1.6	µg/m³	**0.23 J;**
DOE-3	4/15/2026	Benzene	0.097	—	0.11	0.76	µg/m³	**0.72 J;**
DOE-3	4/15/2026	Carbon disulfide	—	730	0.24	1.5	µg/m³	**0.57 J;**
DOE-3	4/15/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m³	**0.49 ;**
DOE-3	4/15/2026	Chloroform	—	0.12	0.11	0.16	µg/m³	**0.11 J;**
DOE-3	4/15/2026	Chloromethane	—	94	0.13	0.31	µg/m³	**1.5 ;**
DOE-3	4/15/2026	Dichlorodifluoromethane	—	100	0.13	0.75	µg/m³	**2.6 ;**
DOE-3	4/15/2026	Ethyl acetate	—	73	0.42	2.9	µg/m³	**1.6 J;**
DOE-3	4/15/2026	Isopropanol	—	210	0.33	3.1	µg/m³	**9.6 ;**
DOE-3	4/15/2026	Methylene chloride	1	—	0.22	0.69	µg/m³	**0.49 J;**
DOE-3	4/15/2026	Toluene	440	—	0.097	0.81	µg/m³	**0.21 J;**
DOE-3	4/15/2026	Trichlorofluoromethane	1300	—	0.12	0.75	µg/m³	**1.3 ;**
DOE-4	4/15/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.12	0.70	µg/m³	**0.52 J;**
DOE-4	4/15/2026	1,2-Dichloroethane	—	0.11	0.090	0.15	µg/m³	**0.10 J;**
DOE-4	4/15/2026	2-butanone	—	5200	0.17	1.6	µg/m³	**0.50 J;**
DOE-4	4/15/2026	Benzene	0.097	—	0.12	0.78	µg/m³	**0.22 J;**
DOE-4	4/15/2026	Carbon tetrachloride	—	0.47	0.11	0.16	µg/m³	**0.49 ;**
DOE-4	4/15/2026	Chloromethane	—	94	0.13	0.32	µg/m³	**1.5 ;**
DOE-4	4/15/2026	Dichlorodifluoromethane	—	100	0.13	0.77	µg/m³	**2.6 ;**
DOE-4	4/15/2026	Ethyl acetate	—	73	0.43	3.0	µg/m³	**6.0 ;**
DOE-4	4/15/2026	Isopropanol	—	210	0.34	3.2	µg/m³	**3.5 ;**
DOE-4	4/15/2026	Methylene chloride	1	—	0.23	0.70	µg/m³	**0.49 J;**
DOE-4	4/15/2026	Toluene	440	—	0.099	0.83	µg/m³	**0.22 J;**
DOE-4	4/15/2026	Trichlorofluoromethane	1300	—	0.12	0.77	µg/m³	**1.3 ;**
DOE-1	4/28/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.68	µg/m³	**0.54 J;**
DOE-1	4/28/2026	1,2-Dichloroethane	—	0.11	0.087	0.15	µg/m³	**0.099 J;**

ID	Sample Date	Analyte	DTSC HHRA NOTE 3	US EPA RSL	MDL	MRL	Unit	Result
DOE-1	4/28/2026	2-butanone	—	5200	0.16	1.5	µg/m³	**0.29 J;**
DOE-1	4/28/2026	Acrylonitrile	—	0.041	0.16	1.5	µg/m³	**0.52 J;**
DOE-1	4/28/2026	Benzene	0.097	—	0.11	0.75	µg/m³	**0.13 J;**
DOE-1	4/28/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m³	**0.50 ;**
DOE-1	4/28/2026	Chloromethane	—	94	0.13	0.31	µg/m³	**1.4 ;**
DOE-1	4/28/2026	Dichlorodifluoromethane	—	100	0.13	0.75	µg/m³	**2.6 ;**
DOE-1	4/28/2026	Ethyl acetate	—	73	0.41	2.9	µg/m³	**1.4 J;**
DOE-1	4/28/2026	Isopropanol	—	210	0.33	3.0	µg/m³	**11 ;**
DOE-1	4/28/2026	Methylene chloride	1	—	0.22	0.68	µg/m³	**0.43 J;**
DOE-1	4/28/2026	Tetrahydrofuran	—	2100	0.099	1.5	µg/m³	**0.18 J;**
DOE-1	4/28/2026	Toluene	440	—	0.096	0.81	µg/m³	**0.10 J;**
DOE-1	4/28/2026	Trichlorofluoromethane	1300	—	0.12	0.75	µg/m³	**1.3 ;**
DOE-2	4/28/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.69	µg/m³	**0.53 J;**
DOE-2	4/28/2026	1,2-Dichloroethane	—	0.11	0.088	0.15	µg/m³	**0.088 J;**
DOE-2	4/28/2026	2-butanone	—	5200	0.16	1.5	µg/m³	**0.30 J;**
DOE-2	4/28/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m³	**0.52 ;**
DOE-2	4/28/2026	Chloromethane	—	94	0.13	0.31	µg/m³	**1.4 ;**
DOE-2	4/28/2026	Dichlorodifluoromethane	—	100	0.13	0.75	µg/m³	**2.6 ;**
DOE-2	4/28/2026	Ethyl acetate	—	73	0.42	2.9	µg/m³	**0.87 J;**
DOE-2	4/28/2026	Isopropanol	—	210	0.33	3.1	µg/m³	**5.5 ;**
DOE-2	4/28/2026	Methylene chloride	1	—	0.22	0.69	µg/m³	**0.40 J;**
DOE-2	4/28/2026	Toluene	440	—	0.097	0.81	µg/m³	**0.098 J;**
DOE-2	4/28/2026	Trichlorofluoromethane	1300	—	0.12	0.75	µg/m³	**1.3 ;**
DOE-3	4/28/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.69	µg/m³	**0.53 J;**
DOE-3	4/28/2026	2-butanone	—	5200	0.17	1.5	µg/m³	**1.3 J;**
DOE-3	4/28/2026	Acrolein	—	0.021	0.23	1.6	µg/m³	**1.2 J;**
DOE-3	4/28/2026	Carbon disulfide	—	730	0.24	1.6	µg/m³	**0.26 J,B;**
DOE-3	4/28/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m³	**0.47 ;**
DOE-3	4/28/2026	Chloromethane	—	94	0.13	0.32	µg/m³	**1.5 ;**
DOE-3	4/28/2026	Dichlorodifluoromethane	—	100	0.13	0.76	µg/m³	**2.6 ;**
DOE-3	4/28/2026	Ethyl acetate	—	73	0.42	2.9	µg/m³	**1.8 J;**
DOE-3	4/28/2026	Isopropanol	—	210	0.33	3.1	µg/m³	**18 ;**
DOE-3	4/28/2026	Methylene chloride	1	—	0.23	0.69	µg/m³	**0.43 J;**
DOE-3	4/28/2026	Tetrahydrofuran	—	2100	0.10	1.5	µg/m³	**0.12 J;**
DOE-3	4/28/2026	Trichlorofluoromethane	1300	—	0.12	0.76	µg/m³	**1.3 ;**
DOE-3	4/28/2026	Vinyl acetate	—	210	1.8	7.9	µg/m³	**4.2 J;**

ID	Sample Date	Analyte	DTSC HHRA NOTE 3	US EPA RSL	MDL	MRL	Unit	Result
DOE-4	4/28/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.69	µg/m^3	**0.52 J;**
DOE-4	4/28/2026	1,2-Dichloroethane	—	0.11	0.088	0.15	µg/m^3	**0.094 J;**
DOE-4	4/28/2026	2-butanone	—	5200	0.16	1.5	µg/m^3	**0.27 J;**
DOE-4	4/28/2026	Benzene	0.097	—	0.11	0.76	µg/m^3	**0.12 J;**
DOE-4	4/28/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m^3	**0.49 ;**
DOE-4	4/28/2026	Chloromethane	—	94	0.13	0.31	µg/m^3	**1.5 ;**
DOE-4	4/28/2026	Dichlorodifluoromethane	—	100	0.13	0.75	µg/m^3	**2.6 ;**
DOE-4	4/28/2026	Isopropanol	—	210	0.33	3.1	µg/m^3	**18 ;**
DOE-4	4/28/2026	Methylene chloride	1	—	0.22	0.69	µg/m^3	**0.42 J;**
DOE-4	4/28/2026	Trichlorofluoromethane	1300	—	0.12	0.75	µg/m^3	**1.3 ;**
DOE-1	5/14/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.12	0.70	µg/m^3	**0.57 J;**
DOE-1	5/14/2026	2-butanone	—	5200	0.17	1.6	µg/m^3	**0.65 J;**
DOE-1	5/14/2026	2-hexanone	—	31	0.10	1.6	µg/m^3	**0.10 J;**
DOE-1	5/14/2026	Acrolein	—	0.021	0.23	1.7	µg/m^3	**0.25 J;**
DOE-1	5/14/2026	Benzene	0.097	—	0.12	0.78	µg/m^3	**0.35 J;**
DOE-1	5/14/2026	Carbon disulfide	—	730	0.24	1.6	µg/m^3	**0.36 J;**
DOE-1	5/14/2026	Carbon tetrachloride	—	0.47	0.11	0.16	µg/m^3	**0.39 ;**
DOE-1	5/14/2026	Chloroform	—	0.12	0.11	0.16	µg/m^3	**0.11 J;**
DOE-1	5/14/2026	Chloromethane	—	94	0.13	0.32	µg/m^3	**0.78 ;**
DOE-1	5/14/2026	Dichlorodifluoromethane	—	100	0.13	0.77	µg/m^3	**3.0 ;**
DOE-1	5/14/2026	Ethyl acetate	—	73	0.43	3.0	µg/m^3	**45 ;**
DOE-1	5/14/2026	Hexane, n-	—	730	0.17	0.80	µg/m^3	**0.19 J;**
DOE-1	5/14/2026	Isopropanol	—	210	0.34	3.2	µg/m^3	**2.0 J;**
DOE-1	5/14/2026	Methylene chloride	1	—	0.23	0.70	µg/m^3	**0.46 J;**
DOE-1	5/14/2026	m-xylene & p-xylene	—	100	0.21	1.6	µg/m^3	**0.22 J;**
DOE-1	5/14/2026	Tetrahydrofuran	—	2100	0.10	1.5	µg/m^3	**0.85 J;**
DOE-1	5/14/2026	Toluene	440	—	0.099	0.83	µg/m^3	**1.4 ;**
DOE-1	5/14/2026	Trichlorofluoromethane	1300	—	0.12	0.77	µg/m^3	**1.2 ;**
DOE-1	5/14/2026	Xylenes, total	—	100	0.21	1.6	µg/m^3	**0.22 J;**
DOE-2	5/14/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.69	µg/m^3	**0.52 J;**
DOE-2	5/14/2026	1,4-Dioxane	—	0.56	0.094	0.79	µg/m^3	**0.12 J;**
DOE-2	5/14/2026	2-butanone	—	5200	0.16	1.5	µg/m^3	**0.54 J;**
DOE-2	5/14/2026	Acrolein	—	0.021	0.22	1.6	µg/m^3	**0.24 J;**
DOE-2	5/14/2026	Benzene	0.097	—	0.11	0.76	µg/m^3	**0.30 J;**
DOE-2	5/14/2026	Carbon disulfide	—	730	0.24	1.5	µg/m^3	**0.36 J;**
DOE-2	5/14/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m^3	**0.39 ;**

ID	Sample Date	Analyte	DTSC HHRA NOTE 3	US EPA RSL	MDL	MRL	Unit	Result
DOE-2	5/14/2026	Chloromethane	—	94	0.13	0.31	µg/m³	**0.62 ;**
DOE-2	5/14/2026	Dichlorodifluoromethane	—	100	0.13	0.75	µg/m³	**3.0 ;**
DOE-2	5/14/2026	Ethyl acetate	—	73	0.42	2.9	µg/m³	**23 ;**
DOE-2	5/14/2026	Hexane, n-	—	730	0.16	0.77	µg/m³	**0.18 J;**
DOE-2	5/14/2026	Isopropanol	—	210	0.33	3.1	µg/m³	**0.96 J;**
DOE-2	5/14/2026	Methylene chloride	1	—	0.22	0.69	µg/m³	**0.43 J;**
DOE-2	5/14/2026	Toluene	440	—	0.097	0.81	µg/m³	**1.1 ;**
DOE-2	5/14/2026	Trichloroethene	—	0.48	0.11	0.16	µg/m³	**0.24 ;**
DOE-2	5/14/2026	Trichlorofluoromethane	1300	—	0.12	0.75	µg/m³	**1.1 ;**
DOE-3	5/14/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.12	0.70	µg/m³	**0.55 J;**
DOE-3	5/14/2026	2-butanone	—	5200	0.17	1.6	µg/m³	**0.50 J;**
DOE-3	5/14/2026	Acrolein	—	0.021	0.23	1.7	µg/m³	**0.91 J;**
DOE-3	5/14/2026	Benzene	0.097	—	0.12	0.78	µg/m³	**0.16 J;**
DOE-3	5/14/2026	Carbon disulfide	—	730	0.24	1.6	µg/m³	**0.37 J;**
DOE-3	5/14/2026	Carbon tetrachloride	—	0.47	0.11	0.16	µg/m³	**0.36 ;**
DOE-3	5/14/2026	Chloroform	—	0.12	0.11	0.16	µg/m³	**0.12 J;**
DOE-3	5/14/2026	Chloromethane	—	94	0.13	0.32	µg/m³	**0.65 ;**
DOE-3	5/14/2026	Dichlorodifluoromethane	—	100	0.13	0.77	µg/m³	**3.1 ;**
DOE-3	5/14/2026	Ethyl acetate	—	73	0.43	3.0	µg/m³	**4.0 ;**
DOE-3	5/14/2026	Isopropanol	—	210	0.33	3.1	µg/m³	**0.90 J;**
DOE-3	5/14/2026	Methylene chloride	1	—	0.23	0.70	µg/m³	**0.44 J;**
DOE-3	5/14/2026	Tetrahydrofuran	—	2100	0.10	1.5	µg/m³	**0.31 J;**
DOE-3	5/14/2026	Trichlorofluoromethane	1300	—	0.12	0.77	µg/m³	**1.2 ;**
DOE-4	5/14/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.65	µg/m³	**0.53 J;**
DOE-4	5/14/2026	1,2,4-trimethylbenzene	—	63	0.11	0.75	µg/m³	**0.11 J;**
DOE-4	5/14/2026	2-butanone	—	5200	0.16	1.4	µg/m³	**1.2 J;**
DOE-4	5/14/2026	2-hexanone	—	31	0.094	1.5	µg/m³	**0.18 J;**
DOE-4	5/14/2026	Acrolein	—	0.021	0.21	1.5	µg/m³	**1.0 J;**
DOE-4	5/14/2026	Benzene	0.097	—	0.11	0.72	µg/m³	**0.29 J;**
DOE-4	5/14/2026	Carbon disulfide	—	730	0.23	1.5	µg/m³	**0.99 J;**
DOE-4	5/14/2026	Carbon tetrachloride	—	0.47	0.11	0.14	µg/m³	**0.38 ;**
DOE-4	5/14/2026	Chloroform	—	0.12	0.10	0.15	µg/m³	**0.11 J;**
DOE-4	5/14/2026	Chloromethane	—	94	0.12	0.30	µg/m³	**0.63 ;**
DOE-4	5/14/2026	Dichlorodifluoromethane	—	100	0.12	0.72	µg/m³	**3.1 ;**
DOE-4	5/14/2026	Ethyl acetate	—	73	0.40	2.8	µg/m³	**6.2 ;**
DOE-4	5/14/2026	Isopropanol	—	210	0.31	2.9	µg/m³	**1.1 J;**
DOE-4	5/14/2026	Methylene chloride	1	—	0.21	0.65	µg/m³	**0.44 J;**

ID	Sample Date	Analyte	DTSC HHRA NOTE 3	US EPA RSL	MDL	MRL	Unit	Result
DOE-4	5/14/2026	m-xylene & p-xylene	—	100	0.20	1.5	µg/m^3	**0.23 J;**
DOE-4	5/14/2026	Tetrahydrofuran	—	2100	0.095	1.4	µg/m^3	**0.34 J;**
DOE-4	5/14/2026	Toluene	440	—	0.092	0.77	µg/m^3	**0.74 J;**
DOE-4	5/14/2026	Trichloroethene	—	0.48	0.10	0.15	µg/m^3	**0.71 ;**
DOE-4	5/14/2026	Trichlorofluoromethane	1300		0.12	0.72	µg/m^3	**1.2 ;**
DOE-4	5/14/2026	Xylenes, total	—	100	0.20	1.5	µg/m^3	**0.23 J;**
DOE-1	5/29/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.10	0.63	µg/m^3	**0.71 ;**
DOE-1	5/29/2026	2-butanone	—	5200	0.15	1.4	µg/m^3	**0.22 J;**
DOE-1	5/29/2026	Benzene	0.097	—	0.11	0.70	µg/m^3	**0.17 J;**
DOE-1	5/29/2026	Carbon disulfide	—	730	0.22	1.4	µg/m^3	**0.27 J,B;**
DOE-1	5/29/2026	Carbon tetrachloride	—	0.47	0.10	0.14	µg/m^3	**0.47 ;**
DOE-1	5/29/2026	Chloromethane	—	94	0.12	0.29	µg/m^3	**0.58 ;**
DOE-1	5/29/2026	Dichlorodifluoromethane	—	100	0.12	0.69	µg/m^3	**3.5 ;**
DOE-1	5/29/2026	Ethyl acetate	—	73	0.38	2.7	µg/m^3	**4.8 ;**
DOE-1	5/29/2026	Isopropanol	—	210	0.30	2.8	µg/m^3	**0.33 J;**
DOE-1	5/29/2026	Methylene chloride	1	—	0.21	0.63	µg/m^3	**0.48 J;**
DOE-1	5/29/2026	Tetrachloroethene	0.46	—	0.095	0.15	µg/m^3	**0.17 ;**
DOE-1	5/29/2026	Tetrahydrofuran	—	2100	0.092	1.4	µg/m^3	**1.1 J;**
DOE-1	5/29/2026	Toluene	440	—	0.089	0.75	µg/m^3	**0.38 J;**
DOE-1	5/29/2026	Trichlorofluoromethane	1300	—	0.11	0.69	µg/m^3	**1.4 ;**
DOE-2	5/29/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.69	µg/m^3	**0.69 J;**
DOE-2	5/29/2026	2-butanone	—	5200	0.17	1.5	µg/m^3	**0.22 J;**
DOE-2	5/29/2026	Benzene	0.097	—	0.12	0.77	µg/m^3	**0.16 J;**
DOE-2	5/29/2026	Carbon disulfide	—	730	0.24	1.6	µg/m^3	**0.32 J,B;**
DOE-2	5/29/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m^3	**0.48 ;**
DOE-2	5/29/2026	Chloromethane	—	94	0.13	0.32	µg/m^3	**0.61 ;**
DOE-2	5/29/2026	Dichlorodifluoromethane	—	100	0.13	0.76	µg/m^3	**3.5 ;**
DOE-2	5/29/2026	Ethyl acetate	—	73	0.42	2.9	µg/m^3	**6.5 ;**
DOE-2	5/29/2026	Isopropanol	—	210	0.33	3.1	µg/m^3	**1.0 J;**
DOE-2	5/29/2026	Methylene chloride	1	—	0.23	0.69	µg/m^3	**0.43 J;**
DOE-2	5/29/2026	Tetrachloroethene	0.46	—	0.10	0.17	µg/m^3	**0.16 J;**
DOE-2	5/29/2026	Toluene	440	—	0.098	0.82	µg/m^3	**0.30 J;**
DOE-2	5/29/2026	Trichloroethene	—	0.48	0.11	0.16	µg/m^3	**0.58 ;**
DOE-2	5/29/2026	Trichlorofluoromethane	1300	—	0.12	0.76	µg/m^3	**1.4 ;**
DOE-3	5/29/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.12	0.72	µg/m^3	**0.66 J;**
DOE-3	5/29/2026	Benzene	0.097	—	0.12	0.80	µg/m^3	**0.18 J;**

ID	Sample Date	Analyte	DTSC HHRA NOTE 3	US EPA RSL	MDL	MRL	Unit	Result
DOE-3	5/29/2026	Carbon disulfide	—	730	0.25	1.6	µg/m³	**0.30 J,B;**
DOE-3	5/29/2026	Carbon tetrachloride	—	0.47	0.12	0.16	µg/m³	**0.48 ;**
DOE-3	5/29/2026	Chloromethane	—	94	0.13	0.33	µg/m³	**0.63 ;**
DOE-3	5/29/2026	Dichlorodifluoromethane	—	100	0.14	0.79	µg/m³	**3.4 ;**
DOE-3	5/29/2026	Ethyl acetate	—	73	0.44	3.0	µg/m³	**5.7 ;**
DOE-3	5/29/2026	Isopropanol	—	210	0.34	3.2	µg/m³	**0.73 J;**
DOE-3	5/29/2026	Methylene chloride	1	—	0.23	0.72	µg/m³	**0.42 J;**
DOE-3	5/29/2026	Tetrachloroethene	0.46	—	0.11	0.17	µg/m³	**0.17 J;**
DOE-3	5/29/2026	Toluene	440	—	0.10	0.85	µg/m³	**0.37 J;**
DOE-3	5/29/2026	Trichlorofluoromethane	1300	—	0.13	0.79	µg/m³	**1.4 ;**
DOE-4	5/29/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.64	µg/m³	**0.66 ;**
DOE-4	5/29/2026	2-butanone	—	5200	0.15	1.4	µg/m³	**0.24 J;**
DOE-4	5/29/2026	Benzene	0.097	—	0.11	0.71	µg/m³	**0.14 J;**
DOE-4	5/29/2026	Carbon disulfide	—	730	0.22	1.5	µg/m³	**0.30 J,B;**
DOE-4	5/29/2026	Carbon tetrachloride	—	0.47	0.10	0.14	µg/m³	**0.47 ;**
DOE-4	5/29/2026	Chloromethane	—	94	0.12	0.29	µg/m³	**0.61 ;**
DOE-4	5/29/2026	Dichlorodifluoromethane	—	100	0.12	0.71	µg/m³	**3.5 ;**
DOE-4	5/29/2026	Ethyl acetate	—	73	0.39	2.7	µg/m³	**8.1 ;**
DOE-4	5/29/2026	Isopropanol	—	210	0.31	2.9	µg/m³	**1.2 J;**
DOE-4	5/29/2026	Methylene chloride	1	—	0.21	0.64	µg/m³	**0.60 J;**
DOE-4	5/29/2026	Tetrachloroethene	0.46	—	0.097	0.15	µg/m³	**0.18 ;**
DOE-4	5/29/2026	Toluene	440	—	0.091	0.76	µg/m³	**0.44 J;**
DOE-4	5/29/2026	Trichlorofluoromethane	1300	—	0.11	0.71	µg/m³	**1.4 ;**
DOE-1	6/9/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.12	0.71	µg/m³	**0.47 J;**
DOE-1	6/9/2026	1,2,4-trimethylbenzene	—	63	0.11	0.81	µg/m³	**0.31 J;**
DOE-1	6/9/2026	2-butanone	—	5200	0.17	1.6	µg/m³	**1.2 J;**
DOE-1	6/9/2026	2-hexanone	—	31	0.10	1.6	µg/m³	**0.46 J;**
DOE-1	6/9/2026	Acrolein	—	0.021	0.23	1.7	µg/m³	**0.55 J;**
DOE-1	6/9/2026	Benzene	0.097	—	0.12	0.79	µg/m³	**0.51 J;**
DOE-1	6/9/2026	Carbon tetrachloride	—	0.47	0.11	0.16	µg/m³	**0.41 ;**
DOE-1	6/9/2026	Chloromethane	—	94	0.13	0.32	µg/m³	**1.2 ;**
DOE-1	6/9/2026	Dichlorodifluoromethane	—	100	0.13	0.78	µg/m³	**2.1 ;**
DOE-1	6/9/2026	Ethyl acetate	—	73	0.43	3.0	µg/m³	**110 ;**
DOE-1	6/9/2026	Hexane, n-	—	730	0.17	0.80	µg/m³	**0.18 J;**
DOE-1	6/9/2026	Isopropanol	—	210	0.34	3.2	µg/m³	**2.3 J;**
DOE-1	6/9/2026	Methylene chloride	1	—	0.23	0.71	µg/m³	**0.37 J;**
DOE-1	6/9/2026	N-heptane	—	420	0.13	0.80	µg/m³	**0.15 J;**

ID	Sample Date	Analyte	DTSC HHRA NOTE 3	US EPA RSL	MDL	MRL	Unit	Result
DOE-1	6/9/2026	Tetrachloroethene	0.46	—	0.11	0.17	µg/m³	**0.13 J;**
DOE-1	6/9/2026	Tetrahydrofuran	—	2100	0.10	1.5	µg/m³	**0.16 J;**
DOE-1	6/9/2026	Toluene	440	—	0.10	0.84	µg/m³	**3.9 ;**
DOE-1	6/9/2026	Trichlorofluoromethane	1300	—	0.12	0.78	µg/m³	**1.1 ;**
DOE-1	6/9/2026	Xylenes, total	—	100	0.22	1.6	µg/m³	**0.30 J;**
DOE-2	6/9/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.12	0.72	µg/m³	**0.47 J;**
DOE-2	6/9/2026	2-butanone	—	5200	0.17	1.6	µg/m³	**0.54 J;**
DOE-2	6/9/2026	Benzene	0.097	—	0.12	0.80	µg/m³	**0.24 J;**
DOE-2	6/9/2026	Carbon tetrachloride	—	0.47	0.12	0.16	µg/m³	**0.43 ;**
DOE-2	6/9/2026	Chloromethane	—	94	0.13	0.33	µg/m³	**1.2 ;**
DOE-2	6/9/2026	Dichlorodifluoromethane	—	100	0.14	0.79	µg/m³	**2.3 ;**
DOE-2	6/9/2026	Ethyl acetate	—	73	0.44	3.0	µg/m³	**29 ;**
DOE-2	6/9/2026	Isopropanol	—	210	0.34	3.2	µg/m³	**1.0 J;**
DOE-2	6/9/2026	Methylene chloride	1	—	0.23	0.72	µg/m³	**0.34 J;**
DOE-2	6/9/2026	Tetrachloroethene	0.46	—	0.11	0.17	µg/m³	**0.15 J;**
DOE-2	6/9/2026	Toluene	440	—	0.10	0.85	µg/m³	**1.3 ;**
DOE-2	6/9/2026	Trichlorofluoromethane	1300	—	0.13	0.79	µg/m³	**1.1 ;**
DOE-3	6/9/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.12	0.71	µg/m³	**0.44 J;**
DOE-3	6/9/2026	1,2,4-trimethylbenzene	—	63	0.11	0.81	µg/m³	**0.20 J;**
DOE-3	6/9/2026	2-butanone	—	5200	0.17	1.6	µg/m³	**0.67 J;**
DOE-3	6/9/2026	Acrolein	—	0.021	0.23	1.7	µg/m³	**0.31 J;**
DOE-3	6/9/2026	Benzene	0.097	—	0.12	0.79	µg/m³	**0.44 J;**
DOE-3	6/9/2026	Carbon tetrachloride	—	0.47	0.11	0.16	µg/m³	**0.40 ;**
DOE-3	6/9/2026	Chloroethane	—	10000	0.10	0.34	µg/m³	**0.14 J;**
DOE-3	6/9/2026	Chloroform	—	0.12	0.11	0.16	µg/m³	**0.12 J;**
DOE-3	6/9/2026	Chloromethane	—	94	0.13	0.32	µg/m³	**1.2 ;**
DOE-3	6/9/2026	Dichlorodifluoromethane	—	100	0.13	0.78	µg/m³	**2.2 ;**
DOE-3	6/9/2026	Ethyl acetate	—	73	0.43	3.0	µg/m³	**78 ;**
DOE-3	6/9/2026	Isopropanol	—	210	0.34	3.2	µg/m³	**2.0 J;**
DOE-3	6/9/2026	Methylene chloride	1	—	0.23	0.71	µg/m³	**0.36 J;**
DOE-3	6/9/2026	Tetrachloroethene	0.46	—	0.11	0.17	µg/m³	**0.11 J;**
DOE-3	6/9/2026	Toluene	440	—	0.10	0.84	µg/m³	**3.4 ;**
DOE-3	6/9/2026	Trichlorofluoromethane	1300	—	0.12	0.78	µg/m³	**1.1 ;**
DOE-4	6/9/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.68	µg/m³	**0.43 J;**
DOE-4	6/9/2026	2-butanone	—	5200	0.16	1.5	µg/m³	**0.51 J;**
DOE-4	6/9/2026	Benzene	0.097	—	0.11	0.75	µg/m³	**0.20 J;**

ID	Sample Date	Analyte	DTSC HHRA NOTE 3	US EPA RSL	MDL	MRL	Unit	Result
DOE-4	6/9/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m³	**0.41 ;**
DOE-4	6/9/2026	Chloromethane	—	94	0.13	0.31	µg/m³	**1.1 ;**
DOE-4	6/9/2026	Dichlorodifluoromethane	—	100	0.13	0.74	µg/m³	**2.1 ;**
DOE-4	6/9/2026	Ethyl acetate	—	73	0.41	2.9	µg/m³	**12 ;**
DOE-4	6/9/2026	Isopropanol	—	210	0.32	3.0	µg/m³	**2.5 J;**
DOE-4	6/9/2026	Methylene chloride	1	—	0.22	0.68	µg/m³	**0.46 J;**
DOE-4	6/9/2026	Toluene	440	—	0.096	0.80	µg/m³	**0.89 ;**
DOE-4	6/9/2026	Trichlorofluoromethane	1300	—	0.12	0.74	µg/m³	**1.1 ;**
DOE-1	6/24/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.11	0.67	µg/m³	**0.53 J;**
DOE-1	6/24/2026	1,2,4-trimethylbenzene	—	63	0.11	0.77	µg/m³	**0.12 J;**
DOE-1	6/24/2026	2-butanone	—	5200	0.16	1.5	µg/m³	**0.80 J;**
DOE-1	6/24/2026	2-hexanone	—	31	0.096	1.5	µg/m³	**0.099 J;**
DOE-1	6/24/2026	Acrylonitrile	—	0.041	0.16	1.5	µg/m³	**0.58 J;**
DOE-1	6/24/2026	Benzene	0.097	—	0.11	0.74	µg/m³	**0.26 J;**
DOE-1	6/24/2026	Carbon disulfide	—	730	0.23	1.5	µg/m³	**1.1 J;**
DOE-1	6/24/2026	Carbon tetrachloride	—	0.47	0.11	0.15	µg/m³	**0.45 ;**
DOE-1	6/24/2026	Chloroform	—	0.12	0.10	0.15	µg/m³	**0.13 J;**
DOE-1	6/24/2026	Chloromethane	—	94	0.13	0.31	µg/m³	**0.30 J;**
DOE-1	6/24/2026	Dichlorodifluoromethane	—	100	0.13	0.74	µg/m³	**2.7 ;**
DOE-1	6/24/2026	Ethyl acetate	—	73	0.41	2.8	µg/m³	**18 ;**
DOE-1	6/24/2026	Hexane, n-	—	730	0.16	0.76	µg/m³	**0.19 J;**
DOE-1	6/24/2026	Isopropanol	—	210	0.32	3.0	µg/m³	**0.57 J;**
DOE-1	6/24/2026	Methylene chloride	1	—	0.22	0.67	µg/m³	**0.39 J;**
DOE-1	6/24/2026	m-xylene & p-xylene	—	100	0.20	1.6	µg/m³	**0.22 J;**
DOE-1	6/24/2026	N-heptane	—	420	0.12	0.76	µg/m³	**0.13 J;**
DOE-1	6/24/2026	Tetrachloroethene	0.46	—	0.10	0.16	µg/m³	**0.17 ;**
DOE-1	6/24/2026	Tetrahydrofuran	—	2100	0.098	1.5	µg/m³	**0.27 J;**
DOE-1	6/24/2026	Toluene	440	—	0.095	0.80	µg/m³	**1.2 ;**
DOE-1	6/24/2026	Trichlorofluoromethane	1300	—	0.12	0.74	µg/m³	**1.3 ;**
DOE-1	6/24/2026	Xylenes, total	—	100	0.20	1.6	µg/m³	**0.22 J;**
DOE-2	6/24/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.14	0.83	µg/m³	**0.52 J;**
DOE-2	6/24/2026	2-butanone	—	5200	0.20	1.8	µg/m³	**0.77 J;**
DOE-2	6/24/2026	Benzene	0.097	—	0.14	0.92	µg/m³	**0.25 J;**
DOE-2	6/24/2026	Carbon tetrachloride	—	0.47	0.13	0.18	µg/m³	**0.45 ;**
DOE-2	6/24/2026	Chloroform	—	0.12	0.13	0.19	µg/m³	**0.14 J;**
DOE-2	6/24/2026	Chloromethane	—	94	0.16	0.38	µg/m³	**0.31 J;**
DOE-2	6/24/2026	Dichlorodifluoromethane	—	100	0.16	0.91	µg/m³	**2.8 ;**

ID	Sample Date	Analyte	DTSC HHRA NOTE 3	US EPA RSL	MDL	MRL	Unit	Result
DOE-2	6/24/2026	Ethyl acetate	—	73	0.51	3.5	µg/m³	**15 ;**
DOE-2	6/24/2026	Hexane, n-	—	730	0.20	0.94	µg/m³	**0.20 J;**
DOE-2	6/24/2026	Isopropanol	—	210	0.40	3.7	µg/m³	**0.56 J;**
DOE-2	6/24/2026	Methylene chloride	1	—	0.27	0.83	µg/m³	**0.38 J;**
DOE-2	6/24/2026	Tetrachloroethene	0.46	—	0.12	0.20	µg/m³	**0.15 J;**
DOE-2	6/24/2026	Toluene	440	—	0.12	0.99	µg/m³	**1.1 ;**
DOE-2	6/24/2026	Trichloroethene	—	0.48	0.13	0.19	µg/m³	**0.17 J;**
DOE-2	6/24/2026	Trichlorofluoromethane	1300	—	0.15	0.91	µg/m³	**1.3 ;**
DOE-3	6/24/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.12	0.71	µg/m³	**0.50 J;**
DOE-3	6/24/2026	1,4-Dioxane	—	0.56	0.097	0.82	µg/m³	**0.38 J;**
DOE-3	6/24/2026	2-butanone	—	5200	0.17	1.6	µg/m³	**0.78 J;**
DOE-3	6/24/2026	2-hexanone	—	31	0.10	1.6	µg/m³	**0.13 J;**
DOE-3	6/24/2026	Benzene	0.097	—	0.12	0.79	µg/m³	**0.22 J;**
DOE-3	6/24/2026	Carbon tetrachloride	—	0.47	0.11	0.16	µg/m³	**0.50 ;**
DOE-3	6/24/2026	Chloroform	—	0.12	0.11	0.16	µg/m³	**0.13 J;**
DOE-3	6/24/2026	Chloromethane	—	94	0.13	0.32	µg/m³	**0.32 ;**
DOE-3	6/24/2026	Dichlorodifluoromethane	—	100	0.13	0.78	µg/m³	**2.9 ;**
DOE-3	6/24/2026	Ethyl acetate	—	73	0.43	3.0	µg/m³	**5.5 ;**
DOE-3	6/24/2026	Hexane, n-	—	730	0.17	0.80	µg/m³	**0.17 J;**
DOE-3	6/24/2026	Isopropanol	—	210	0.34	3.2	µg/m³	**0.92 J;**
DOE-3	6/24/2026	Methylene chloride	1	—	0.23	0.71	µg/m³	**0.39 J;**
DOE-3	6/24/2026	Tetrachloroethene	0.46	—	0.11	0.17	µg/m³	**0.11 J;**
DOE-3	6/24/2026	Toluene	440	—	0.10	0.84	µg/m³	**0.65 J;**
DOE-3	6/24/2026	Trichloroethene	—	0.48	0.11	0.16	µg/m³	**0.17 ;**
DOE-3	6/24/2026	Trichlorofluoromethane	1300	—	0.12	0.78	µg/m³	**1.4 ;**
DOE-4	6/24/2026	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	0.12	0.74	µg/m³	**0.53 J;**
DOE-4	6/24/2026	1,4-Dioxane	—	0.56	0.10	0.85	µg/m³	**0.17 J;**
DOE-4	6/24/2026	2-butanone	—	5200	0.18	1.6	µg/m³	**0.86 J;**
DOE-4	6/24/2026	2-hexanone	—	31	0.11	1.7	µg/m³	**0.13 J;**
DOE-4	6/24/2026	Acrolein	—	0.021	0.24	1.8	µg/m³	**0.30 J;**
DOE-4	6/24/2026	Benzene	0.097	—	0.12	0.82	µg/m³	**0.22 J;**
DOE-4	6/24/2026	Carbon tetrachloride	—	0.47	0.12	0.16	µg/m³	**0.46 ;**
DOE-4	6/24/2026	Chloroform	—	0.12	0.11	0.17	µg/m³	**0.14 J;**
DOE-4	6/24/2026	Chloromethane	—	94	0.14	0.34	µg/m³	**0.32 J;**
DOE-4	6/24/2026	Dichlorodifluoromethane	—	100	0.14	0.81	µg/m³	**3.0 ;**
DOE-4	6/24/2026	Ethyl acetate	—	73	0.45	3.1	µg/m³	**9.2 ;**
DOE-4	6/24/2026	Isopropanol	—	210	0.35	3.3	µg/m³	**0.63 J;**

ID	Sample Date	Analyte	DTSC HHRA NOTE 3	US EPA RSL	MDL	MRL	Unit	Result
DOE-4	6/24/2026	Methylene chloride	1	—	0.24	0.74	µg/m^3	**0.39 J;**
DOE-4	6/24/2026	Tetrachloroethene	0.46	—	0.11	0.18	µg/m^3	**0.11 J;**
DOE-4	6/24/2026	Toluene	440	—	0.10	0.88	µg/m^3	**0.87 J;**
DOE-4	6/24/2026	Trichlorofluoromethane	1300	—	0.13	0.81	µg/m^3	**1.4 ;**

Notes:

Peach shading indicates the result is above DTSC HHRA NOTE 3.

Pink shading indicates the result is above the EPA RSL.

Bold text indicates result above MDL.

"—" indicates no value.

MDL = method detection limit

MRL = method reporting limit

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 low.

; = separates lab qualifiers from data validation qualifiers. If no qualifier(s) then just the ; may be reported.

µg/m^3 = micrograms per meter cubed

Table B-2. Side-by-side comparison of ambient air VOC results from split samples taken June 24, 2026.

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-1	1,1,1-Trichloroethane	1000	—	µg/m³	0.096	0.15	< 0.096 U;	0.041	0.16	< 0.041 U;
DOE-1	1,1,2,2-tetrachloroethane	—	0.048	µg/m³	0.11	0.16	< 0.11 U;	0.052	0.21	< 0.052 U;
DOE-1	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	µg/m³	0.11	0.67	**0.53 J;**	0.058	0.23	**0.57 ;**
DOE-1	1,1,2-trichloroethane	—	0.18	µg/m³	0.079	0.16	< 0.079 U;	0.041	0.16	< 0.041 U;
DOE-1	1,1-Dichloroethane	—	1.8	µg/m³	0.11	0.31	< 0.11 U;	0.031	0.12	< 0.031 U;
DOE-1	1,1-Dichloroethene	—	4.1	µg/m³	0.11	0.13	< 0.11 U;	0.018	0.06	< 0.018 U;
DOE-1	1,2,4-trichlorobenzene	0.38	—	µg/m³	0.19	1.6	< 0.19 U;	0.56	5.6	< 0.56 U;
DOE-1	1,2,4-trimethylbenzene	—	63	µg/m³	0.11	0.77	**0.12 J;**	0.22	0.74	< 0.22 U;
DOE-1	1,2-dibromoethane	—	0.0047	µg/m³	0.091	0.15	< 0.091 U;	0.058	0.23	< 0.058 U;
DOE-1	1,2-Dichlorobenzene	—	210	µg/m³	0.12	0.76	< 0.12 U;	0.23	0.45	< 0.23 U;
DOE-1	1,2-Dichloroethane	—	0.11	µg/m³	0.086	0.15	< 0.086 U;	0.031	0.12	**0.065 J;**
DOE-1	1,2-Dichloropropane	—	0.76	µg/m³	0.096	0.15	< 0.096 U;	0.035	0.7	< 0.035 U;
DOE-1	1,2-Dichlorotetrafluoroethane	—	—	µg/m³	0.12	0.79	**0.14 J;**	0.053	0.21	**0.13 J;**
DOE-1	1,3,5-trimethylbenzene	—	63	µg/m³	0.11	0.79	< 0.11 U;	0.22	0.74	< 0.22 U;
DOE-1	1,3-butadiene	0.017	—	µg/m³	0.13	0.31	< 0.13 U;	0.1	0.33	< 0.10 U;
DOE-1	1,3-dichlorobenzene	—	210	µg/m³	0.12	0.77	< 0.12 U;	0.23	0.91	< 0.23 U;
DOE-1	1,4-dichlorobenzene	—	0.26	µg/m³	0.12	0.77	< 0.12 U;	0.11	0.18	< 0.11 U;
DOE-1	1,4-Dioxane	—	0.56	µg/m³	0.092	0.77	< 0.092 U;	0.27	0.54	< 0.27 U;
DOE-1	2-butanone	—	5200	µg/m³	0.16	1.5	**0.80 J;**	0.56	2.2	**0.82 J;**
DOE-1	2-hexanone	—	31	µg/m³	0.096	1.5	**0.099 J;**	0.77	3.1	< 0.77 U;

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-1	4-ethyltoluene	—	—	µg/m³	0.12	0.76	< 0.12 U;	0.22	0.74	< 0.22 U;
DOE-1	4-isopropyltoluene	—	—	µg/m³	0.12	0.76	**0.28 J;**	1	4.1	< 1.0 U;
DOE-1	4-methyl-2-pentanone	—	3100	µg/m³	0.11	1.5	< 0.11 U;	0.31	0.62	< 0.31 U;
DOE-1	Acrolein	—	0.021	µg/m³	0.22	1.6	< 0.22 U;	0.43	1.7	**0.53 J;**
DOE-1	Acrylonitrile	—	0.041	µg/m³	0.16	1.5	**0.58 J;**	0.41	1.6	< 0.41 U;
DOE-1	Benzene	0.097	—	µg/m³	0.11	0.74	**0.26 J;**	0.12	0.24	**0.18 J;**
DOE-1	Benzyl chloride	—	0.057	µg/m³	0.18	3.1	< 0.18 U;	0.23	0.78	< 0.23 U;
DOE-1	Bromodichloromethane	—	0.076	µg/m³	0.11	0.16	< 0.11 U;	0.25	1	< 0.25 U;
DOE-1	Bromoform	—	2.6	µg/m³	0.16	0.8	< 0.16 U;	0.39	1.6	< 0.39 U;
DOE-1	Bromomethane	—	5.2	µg/m³	0.11	0.31	< 0.11 U;	0.29	29	< 0.29 U;
DOE-1	Butylbenzene, n-	210	—	µg/m³	0.11	0.75	< 0.11 U;	1	4.1	< 1.0 U;
DOE-1	Butylbenzene, sec-	420	—	µg/m³	0.11	0.76	< 0.11 U;	1	4.1	< 1.0 U;
DOE-1	Carbon disulfide	—	730	µg/m³	0.23	1.5	**1.1 J;**	0.59	2.3	< 0.59 U;
DOE-1	Carbon tetrachloride	—	0.47	µg/m³	0.11	0.15	**0.45 ;**	0.047	0.19	**0.48 ;**
DOE-1	Chloroethane	—	10000	µg/m³	0.096	0.32	< 0.096 U;	0.05	0.2	< 0.050 U;
DOE-1	Chloroform	—	0.12	µg/m³	0.1	0.15	**0.13 J;**	0.037	0.15	**0.14 J;**
DOE-1	Chloromethane	—	94	µg/m³	0.13	0.31	**0.30 J;**	0.39	1.6	**1.5 J;**
DOE-1	cis-1,2-Dichloroethene	—	—	µg/m³	0.11	0.15	< 0.11 U;	0.03	0.12	< 0.030 U;
DOE-1	Cis-1,3-dichloropropene	—	—	µg/m³	0.12	0.77	< 0.12 U;	0.034	0.68	< 0.034 U;
DOE-1	Cyclohexane	—	1000	µg/m³	0.22	1.5	< 0.22 U;	0.65	2.6	< 0.65 U;
DOE-1	Dibromochloromethane	0.13	—	µg/m³	0.1	0.15	< 0.10 U;	0.32	1.3	< 0.32 U;
DOE-1	Dichlorodifluoromethane	—	100	µg/m³	0.13	0.74	**2.7 ;**	0.093	0.37	**2.5 ;**

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-1	Ethyl acetate	—	73	µg/m^3	0.41	2.8	**18 ;**	0.68	2.7	< 0.68 U;
DOE-1	Ethylbenzene	—	1.1	µg/m^3	0.11	0.8	< 0.11 U;	0.033	0.13	**0.057 J;**
DOE-1	Hexachloro-1,3-butadiene	—	0.13	µg/m^3	0.16	0.77	< 0.16 U;	0.48	8	< 0.48 U;
DOE-1	Hexane, n-	—	730	µg/m^3	0.16	0.76	**0.19 J;**	0.66	2.7	< 0.66 U;
DOE-1	Isopropanol	—	210	µg/m^3	0.32	3	**0.57 J;**	1.9	7.4	< 1.9 U;
DOE-1	Isopropylbenzene	—	420	µg/m^3	0.11	0.77	< 0.11 U;	0.22	0.74	< 0.22 U;
DOE-1	Methyl tert butyl ether	—	11	µg/m^3	0.092	0.77	< 0.092 U;	0.14	0.54	< 0.14 U;
DOE-1	Methylene chloride	1	—	µg/m^3	0.22	0.67	**0.39 J;**	0.26	1	**0.69 J;**
DOE-1	m-xylene & p-xylene	—	100	µg/m^3	0.2	1.6	**0.22 J;**	0.16	0.26	< 0.16 U;
DOE-1	Naphthalene	—	0.083	µg/m^3	0.19	0.8	< 0.19 U;	0.095	0.4	< 0.095 U;
DOE-1	N-heptane	—	420	µg/m^3	0.12	0.76	**0.13 J;**	0.77	3.1	< 0.77 U;
DOE-1	N-octane	—	100	µg/m^3	0.18	0.77	< 0.18 U;	0.88	3.5	< 0.88 U;
DOE-1	N-propylbenzene	—	1000	µg/m^3	0.11	0.76	< 0.11 U;	0.22	0.74	< 0.22 U;
DOE-1	o-Xylene (1,2-dimethyl-benzene)	—	100	µg/m^3	0.11	0.79	< 0.11 U;	0.066	0.13	< 0.066 U;
DOE-1	Styrene	940	—	µg/m^3	0.13	0.77	< 0.13 U;	0.064	0.64	< 0.064 U;
DOE-1	Tetrachloroethene	0.46	—	µg/m^3	0.1	0.16	**0.17 ;**	0.051	0.2	< 0.051 U;
DOE-1	Tetrahydrofuran	—	2100	µg/m^3	0.098	1.5	**0.27 J;**	0.56	2.2	< 0.56 U;
DOE-1	Toluene	440	—	µg/m^3	0.095	0.8	**1.2 ;**	0.071	0.28	**0.34 ;**
DOE-1	trans-1,2-Dichloroethene	—	—	µg/m^3	0.11	0.31	< 0.11 U;	0.15	0.6	< 0.15 U;
DOE-1	Trans-1,3-dichloropropene	—	—	µg/m^3	0.16	0.72	< 0.16 U;	0.034	0.14	< 0.034 U;
DOE-1	Trichloroethene	—	0.48	µg/m^3	0.11	0.15	< 0.11 U;	0.041	0.16	< 0.041 U;
DOE-1	Trichlorofluoromethane	1300	—	µg/m^3	0.12	0.74	**1.3 ;**	0.042	0.17	**1.2 ;**

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-1	Vinyl acetate	—	210	µg/m^3	1.8	7.7	< 1.8 U;	0.66	2.7	< 0.66 U;
DOE-1	Vinyl chloride	0.0095	—	µg/m^3	0.083	0.31	< 0.083 U;	0.0077	0.039	< 0.0077 U;
DOE-1	Xylenes, total	—	100	µg/m^3	0.2	1.6	**0.22 J;**	**Did not analyze for total xylenes**		
DOE-2	1,1,1-Trichloroethane	1000	—	µg/m^3	0.12	0.19	< 0.12 U;	0.042	0.17	< 0.042 U;
DOE-2	1,1,2,2-tetrachloroethane	—	0.048	µg/m^3	0.13	0.2	< 0.13 U;	0.053	0.21	< 0.053 U;
DOE-2	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	µg/m^3	0.14	0.83	**0.52 J;**	0.059	0.24	**0.55 ;**
DOE-2	1,1,2-trichloroethane	—	0.18	µg/m^3	0.098	0.2	< 0.098 U;	0.042	0.17	< 0.042 U;
DOE-2	1,1-Dichloroethane	—	1.8	µg/m^3	0.14	0.38	< 0.14 U;	0.031	0.13	< 0.031 U;
DOE-2	1,1-Dichloroethene	—	4.1	µg/m^3	0.13	0.16	< 0.13 U;	0.018	0.061	< 0.018 U;
DOE-2	1,2,4-trichlorobenzene	0.38	—	µg/m^3	0.24	2	< 0.24 U;	0.58	5.8	< 0.58 U;
DOE-2	1,2,4-trimethylbenzene	—	63	µg/m^3	0.13	0.95	< 0.13 U;	0.23	0.76	< 0.23 U;
DOE-2	1,2-dibromoethane	—	0.0047	µg/m^3	0.11	0.19	< 0.11 U;	0.06	0.24	< 0.060 U;
DOE-2	1,2-Dichlorobenzene	—	210	µg/m^3	0.14	0.94	< 0.14 U;	0.23	0.47	< 0.23 U;
DOE-2	1,2-Dichloroethane	—	0.11	µg/m^3	0.11	0.18	< 0.11 U;	0.031	0.13	**0.063 J;**
DOE-2	1,2-Dichloropropane	—	0.76	µg/m^3	0.12	0.18	< 0.12 U;	0.036	0.72	< 0.036 U;
DOE-2	1,2-Dichlorotetrafluoroethane	—	—	µg/m^3	0.15	0.98	< 0.15 U;	0.054	0.22	**0.13 J;**
DOE-2	1,3,5-trimethylbenzene	—	63	µg/m^3	0.14	0.98	< 0.14 U;	0.23	0.76	< 0.23 U;
DOE-2	1,3-butadiene	0.017	—	µg/m^3	0.16	0.38	< 0.16 U;	0.1	0.34	< 0.10 U;
DOE-2	1,3-dichlorobenzene	—	210	µg/m^3	0.14	0.96	< 0.14 U;	0.23	0.93	< 0.23 U;
DOE-2	1,4-dichlorobenzene	—	0.26	µg/m^3	0.15	0.95	< 0.15 U;	0.12	0.19	< 0.12 U;
DOE-2	1,4-Dioxane	—	0.56	µg/m^3	0.11	0.96	< 0.11 U;	0.28	0.56	< 0.28 U;
DOE-2	2-butanone	—	5200	µg/m^3	0.2	1.8	**0.77 J;**	0.57	2.3	**1.0 J;**

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-2	2-hexanone	—	31	µg/m³	0.12	1.9	< 0.12 U;	0.79	3.2	< 0.79 U;
DOE-2	4-ethyltoluene	—	—	µg/m³	0.15	0.94	< 0.15 U;	0.23	0.76	< 0.23 U;
DOE-2	4-isopropyltoluene	—	—	µg/m³	0.15	0.94	**0.17 J;**	1.1	4.3	< 1.1 U;
DOE-2	4-methyl-2-pentanone	—	3100	µg/m³	0.13	1.9	< 0.13 U;	0.32	0.64	< 0.32 U;
DOE-2	Acrolein	—	0.021	µg/m³	0.27	2	< 0.27 U;	0.44	1.8	**0.71 J;**
DOE-2	Acrylonitrile	—	0.041	µg/m³	0.2	1.9	< 0.20 U;	0.42	1.7	< 0.42 U;
DOE-2	Benzene	0.097	—	µg/m³	0.14	0.92	**0.25 J;**	0.12	0.25	**0.17 J;**
DOE-2	Benzyl chloride	—	0.057	µg/m³	0.22	3.9	< 0.22 U;	0.24	0.8	< 0.24 U;
DOE-2	Bromodichloromethane	—	0.076	µg/m³	0.14	0.2	< 0.14 U;	0.26	1	< 0.26 U;
DOE-2	Bromoform	—	2.6	µg/m³	0.2	1	< 0.20 U;	0.4	1.6	< 0.40 U;
DOE-2	Bromomethane	—	5.2	µg/m³	0.13	0.38	< 0.13 U;	0.3	30	< 0.30 U;
DOE-2	Butylbenzene, n-	210	—	µg/m³	0.14	0.93	< 0.14 U;	1.1	4.3	< 1.1 U;
DOE-2	Butylbenzene, sec-	420	—	µg/m³	0.13	0.94	< 0.13 U;	1.1	4.3	< 1.1 U;
DOE-2	Carbon disulfide	—	730	µg/m³	0.29	1.9	< 0.29 U;	0.6	2.4	< 0.60 U;
DOE-2	Carbon tetrachloride	—	0.47	µg/m³	0.13	0.18	**0.45 ;**	0.049	0.2	**0.49 ;**
DOE-2	Chloroethane	—	10000	µg/m³	0.12	0.4	< 0.12 U;	0.051	0.2	< 0.051 U;
DOE-2	Chloroform	—	0.12	µg/m³	0.13	0.19	**0.14 J;**	0.038	0.15	**0.14 J;**
DOE-2	Chloromethane	—	94	µg/m³	0.16	0.38	**0.31 J;**	0.4	1.6	**1.6 ;**
DOE-2	cis-1,2-Dichloroethene	—	—	µg/m³	0.14	0.18	< 0.14 U;	0.031	0.12	< 0.031 U;
DOE-2	Cis-1,3-dichloropropene	—	—	µg/m³	0.15	0.96	< 0.15 U;	0.035	0.7	< 0.035 U;
DOE-2	Cyclohexane	—	1000	µg/m³	0.27	1.9	< 0.27 U;	0.67	2.7	< 0.67 U;
DOE-2	Dibromochloromethane	0.13	—	µg/m³	0.13	0.18	< 0.13 U;	0.33	1.3	< 0.33 U;

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-2	Dichlorodifluoromethane	—	100	µg/m^3	0.16	0.91	**2.8 ;**	0.096	0.38	**2.6 ;**
DOE-2	Ethyl acetate	—	73	µg/m^3	0.51	3.5	**15 ;**	0.7	2.8	< 0.70 U;
DOE-2	Ethylbenzene	—	1.1	µg/m^3	0.14	1	< 0.14 U;	0.034	0.13	**0.063 J;**
DOE-2	Hexachloro-1,3-butadiene	—	0.13	µg/m^3	0.2	0.95	< 0.20 U;	0.5	8.3	< 0.50 U;
DOE-2	Hexane, n-	—	730	µg/m^3	0.2	0.94	**0.20 J;**	0.68	2.7	< 0.68 U;
DOE-2	Isopropanol	—	210	µg/m^3	0.4	3.7	**0.56 J;**	1.9	7.6	< 1.9 U;
DOE-2	Isopropylbenzene	—	420	µg/m^3	0.14	0.95	< 0.14 U;	0.23	0.76	< 0.23 U;
DOE-2	Methyl tert butyl ether	—	11	µg/m^3	0.11	0.96	< 0.11 U;	0.14	0.56	< 0.14 U;
DOE-2	Methylene chloride	1	—	µg/m^3	0.27	0.83	**0.38 J;**	0.27	1.1	**0.71 J;**
DOE-2	m-xylene & p-xylene	—	100	µg/m^3	0.25	1.9	< 0.25 U;	0.17	0.27	< 0.17 U;
DOE-2	Naphthalene	—	0.083	µg/m^3	0.24	0.99	< 0.24 U;	0.098	0.41	< 0.098 U;
DOE-2	N-heptane	—	420	µg/m^3	0.15	0.94	< 0.15 U;	0.79	3.2	< 0.79 U;
DOE-2	N-octane	—	100	µg/m^3	0.22	0.96	< 0.22 U;	0.91	3.6	< 0.91 U;
DOE-2	N-propylbenzene	—	1000	µg/m^3	0.14	0.94	< 0.14 U;	0.23	0.76	< 0.23 U;
DOE-2	o-Xylene (1,2-dimethyl-benzene)	—	100	µg/m^3	0.14	0.98	< 0.14 U;	0.067	0.13	< 0.067 U;
DOE-2	Styrene	940	—	µg/m^3	0.16	0.96	< 0.16 U;	0.066	0.66	< 0.066 U;
DOE-2	Tetrachloroethene	0.46	—	µg/m^3	0.12	0.2	**0.15 J;**	0.053	0.21	< 0.053 U;
DOE-2	Tetrahydrofuran	—	2100	µg/m^3	0.12	1.8	< 0.12 U;	0.57	2.3	< 0.57 U;
DOE-2	Toluene	440	—	µg/m^3	0.12	0.99	**1.1 ;**	0.073	0.29	**0.39 ;**
DOE-2	trans-1,2-Dichloroethene	—	—	µg/m^3	0.13	0.38	< 0.13 U;	0.15	0.61	< 0.15 U;
DOE-2	Trans-1,3-dichloropropene	—	—	µg/m^3	0.2	0.9	< 0.20 U;	0.035	0.14	< 0.035 U;
DOE-2	Trichloroethene	—	0.48	µg/m^3	0.13	0.19	**0.17 J;**	0.042	0.17	< 0.042 U;

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-2	Trichlorofluoromethane	1300	—	µg/m³	0.15	0.91	**1.3 ;**	0.044	0.17	**1.2 ;**
DOE-2	Vinyl acetate	—	210	µg/m³	2.2	9.6	< 2.2 U;	0.68	2.7	< 0.68 U;
DOE-2	Vinyl chloride	0.0095	—	µg/m³	0.1	0.38	< 0.10 U;	0.0079	0.04	< 0.0079 U;
DOE-2	Xylenes, total	—	100	µg/m³	0.25	1.9	< 0.25 U;	**Did not analyze for total xylenes**		
DOE-3	1,1,1-Trichloroethane	1000	—	µg/m³	0.1	0.16	< 0.10 U;	0.04	0.16	< 0.040 U;
DOE-3	1,1,2,2-tetrachloroethane	—	0.048	µg/m³	0.11	0.17	< 0.11 U;	0.05	0.2	< 0.050 U;
DOE-3	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	µg/m³	0.12	0.71	**0.50 J;**	0.056	0.23	**0.55 ;**
DOE-3	1,1,2-trichloroethane	—	0.18	µg/m³	0.083	0.17	< 0.083 U;	0.04	0.16	< 0.040 U;
DOE-3	1,1-Dichloroethane	—	1.8	µg/m³	0.12	0.32	< 0.12 U;	0.03	0.12	< 0.030 U;
DOE-3	1,1-Dichloroethene	—	4.1	µg/m³	0.11	0.14	< 0.11 U;	0.017	0.058	< 0.017 U;
DOE-3	1,2,4-trichlorobenzene	0.38	—	µg/m³	0.2	1.7	< 0.20 U;	0.55	5.5	< 0.55 U;
DOE-3	1,2,4-trimethylbenzene	—	63	µg/m³	0.11	0.81	< 0.11 U;	0.22	0.72	< 0.22 U;
DOE-3	1,2-dibromoethane	—	0.0047	µg/m³	0.095	0.16	< 0.095 U;	0.056	0.23	< 0.056 U;
DOE-3	1,2-Dichlorobenzene	—	210	µg/m³	0.12	0.8	< 0.12 U;	0.22	0.44	< 0.22 U;
DOE-3	1,2-Dichloroethane	—	0.11	µg/m³	0.091	0.16	< 0.091 U;	0.03	0.12	**0.066 J;**
DOE-3	1,2-Dichloropropane	—	0.76	µg/m³	0.1	0.15	< 0.10 U;	0.034	0.68	< 0.034 U;
DOE-3	1,2-Dichlorotetrafluoroethane	—	—	µg/m³	0.13	0.83	< 0.13 U;	0.051	0.21	**0.13 J;**
DOE-3	1,3,5-trimethylbenzene	—	63	µg/m³	0.12	0.83	< 0.12 U;	0.22	0.72	< 0.22 U;
DOE-3	1,3-butadiene	0.017	—	µg/m³	0.14	0.33	< 0.14 U;	0.097	0.32	< 0.097 U;
DOE-3	1,3-dichlorobenzene	—	210	µg/m³	0.12	0.82	< 0.12 U;	0.22	0.88	< 0.22 U;
DOE-3	1,4-dichlorobenzene	—	0.26	µg/m³	0.13	0.81	< 0.13 U;	0.11	0.18	< 0.11 U;
DOE-3	1,4-Dioxane	—	0.56	µg/m³	0.097	0.82	**0.38 J;**	0.26	0.53	< 0.26 U;

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-3	2-butanone	—	5200	µg/m³	0.17	1.6	**0.78 J;**	0.54	2.2	**0.89 J;**
DOE-3	2-hexanone	—	31	µg/m³	0.1	1.6	**0.13 J;**	0.75	3	< 0.75 U;
DOE-3	4-ethyltoluene	—	—	µg/m³	0.13	0.8	< 0.13 U;	0.22	0.72	< 0.22 U;
DOE-3	4-isopropyltoluene	—	—	µg/m³	0.12	0.8	**0.13 J;**	1	4	< 1.0 U;
DOE-3	4-methyl-2-pentanone	—	3100	µg/m³	0.11	1.6	< 0.11 U;	0.3	0.6	< 0.30 U;
DOE-3	Acrolein	—	0.021	µg/m³	0.23	1.7	< 0.23 U;	0.42	1.7	**0.64 J;**
DOE-3	Acrylonitrile	—	0.041	µg/m³	0.17	1.6	< 0.17 U;	0.4	1.6	< 0.40 U;
DOE-3	Benzene	0.097	—	µg/m³	0.12	0.79	**0.22 J;**	0.12	0.23	**0.19 J;**
DOE-3	Benzyl chloride	—	0.057	µg/m³	0.18	3.3	< 0.18 U;	0.23	0.76	< 0.23 U;
DOE-3	Bromodichloromethane	—	0.076	µg/m³	0.12	0.17	< 0.12 U;	0.25	0.98	< 0.25 U;
DOE-3	Bromoform	—	2.6	µg/m³	0.17	0.85	< 0.17 U;	0.38	1.5	< 0.38 U;
DOE-3	Bromomethane	—	5.2	µg/m³	0.11	0.33	< 0.11 U;	0.29	29	< 0.29 U;
DOE-3	Butylbenzene, n-	210	—	µg/m³	0.12	0.79	< 0.12 U;	1	4	< 1.0 U;
DOE-3	Butylbenzene, sec-	420	—	µg/m³	0.11	0.8	< 0.11 U;	1	4	< 1.0 U;
DOE-3	Carbon disulfide	—	730	µg/m³	0.25	1.6	< 0.25 U;	0.57	2.3	< 0.57 U;
DOE-3	Carbon tetrachloride	—	0.47	µg/m³	0.11	0.16	**0.50 ;**	0.046	0.18	**0.51 ;**
DOE-3	Chloroethane	—	10000	µg/m³	0.1	0.34	< 0.10 U;	0.048	0.19	< 0.048 U;
DOE-3	Chloroform	—	0.12	µg/m³	0.11	0.16	**0.13 J;**	0.036	0.14	**0.14 ;**
DOE-3	Chloromethane	—	94	µg/m³	0.13	0.32	**0.32 ;**	0.38	1.5	**1.5 ;**
DOE-3	cis-1,2-Dichloroethene	—	—	µg/m³	0.12	0.15	< 0.12 U;	0.029	0.12	< 0.029 U;
DOE-3	Cis-1,3-dichloropropene	—	—	µg/m³	0.13	0.82	< 0.13 U;	0.033	0.67	< 0.033 U;
DOE-3	Cyclohexane	—	1000	µg/m³	0.23	1.6	< 0.23 U;	0.63	2.5	< 0.63 U;

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-3	Dibromochloromethane	0.13	—	µg/m³	0.11	0.15	< 0.11 U;	0.31	1.3	< 0.31 U;
DOE-3	Dichlorodifluoromethane	—	100	µg/m³	0.13	0.78	**2.9 ;**	0.091	0.36	**2.5 ;**
DOE-3	Ethyl acetate	—	73	µg/m³	0.43	3	**5.5 ;**	0.66	2.6	< 0.66 U;
DOE-3	Ethylbenzene	—	1.1	µg/m³	0.12	0.85	< 0.12 U;	0.032	0.13	**0.054 J;**
DOE-3	Hexachloro-1,3-butadiene	—	0.13	µg/m³	0.17	0.81	< 0.17 U;	0.47	7.8	< 0.47 U;
DOE-3	Hexane, n-	—	730	µg/m³	0.17	0.8	**0.17 J;**	0.65	2.6	< 0.65 U;
DOE-3	Isopropanol	—	210	µg/m³	0.34	3.2	**0.92 J;**	1.8	7.2	< 1.8 U;
DOE-3	Isopropylbenzene	—	420	µg/m³	0.12	0.81	< 0.12 U;	0.22	0.72	< 0.22 U;
DOE-3	Methyl tert butyl ether	—	11	µg/m³	0.097	0.82	< 0.097 U;	0.13	0.53	< 0.13 U;
DOE-3	Methylene chloride	1	—	µg/m³	0.23	0.71	**0.39 J;**	0.26	1	**0.64 J;**
DOE-3	m-xylene & p-xylene	—	100	µg/m³	0.22	1.6	< 0.22 U;	0.16	0.26	< 0.16 U;
DOE-3	Naphthalene	—	0.083	µg/m³	0.2	0.84	< 0.20 U;	0.092	0.39	< 0.092 U;
DOE-3	N-heptane	—	420	µg/m³	0.13	0.8	< 0.13 U;	0.75	3	< 0.75 U;
DOE-3	N-octane	—	100	µg/m³	0.18	0.82	< 0.18 U;	0.86	3.4	< 0.86 U;
DOE-3	N-propylbenzene	—	1000	µg/m³	0.12	0.8	< 0.12 U;	0.22	0.72	< 0.22 U;
DOE-3	o-Xylene (1,2-dimethyl-benzene)	—	100	µg/m³	0.12	0.83	< 0.12 U;	0.064	0.13	< 0.064 U;
DOE-3	Styrene	940	—	µg/m³	0.13	0.82	< 0.13 U;	0.063	0.63	< 0.063 U;
DOE-3	Tetrachloroethene	0.46	—	µg/m³	0.11	0.17	**0.11 J;**	0.05	0.2	< 0.050 U;
DOE-3	Tetrahydrofuran	—	2100	µg/m³	0.1	1.5	< 0.10 U;	0.54	2.2	< 0.54 U;
DOE-3	Toluene	440	—	µg/m³	0.1	0.84	**0.65 J;**	0.069	0.28	**0.32 ;**
DOE-3	trans-1,2-Dichloroethene	—	—	µg/m³	0.11	0.32	< 0.11 U;	0.15	0.58	< 0.15 U;
DOE-3	Trans-1,3-dichloropropene	—	—	µg/m³	0.17	0.76	< 0.17 U;	0.033	0.13	< 0.033 U;

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-3	Trichloroethene	—	0.48	µg/m³	0.11	0.16	**0.17 ;**	0.039	0.16	< 0.039 U;
DOE-3	Trichlorofluoromethane	1300	—	µg/m³	0.12	0.78	**1.4 ;**	0.041	0.17	**1.2 ;**
DOE-3	Vinyl acetate	—	210	µg/m³	1.8	8.1	< 1.8 U;	0.65	2.6	< 0.65 U;
DOE-3	Vinyl chloride	0.0095	—	µg/m³	0.088	0.32	< 0.088 U;	0.0075	0.038	< 0.0075 U;
DOE-3	Xylenes, total	—	100	µg/m³	0.22	1.6	< 0.22 U;	**Did not analyze for total xylenes**		
DOE-4	1,1,1-Trichloroethane	1000	—	µg/m³	0.11	0.17	< 0.11 U;	0.04	0.16	< 0.040 U;
DOE-4	1,1,2,2-tetrachloroethane	—	0.048	µg/m³	0.12	0.17	< 0.12 U;	0.051	0.2	< 0.051 U;
DOE-4	1,1,2-trichloro-1,2,2-trifluoroethane	—	5200	µg/m³	0.12	0.74	**0.53 J;**	0.057	0.23	**0.54 ;**
DOE-4	1,1,2-trichloroethane	—	0.18	µg/m³	0.087	0.18	< 0.087 U;	0.04	0.16	< 0.040 U;
DOE-4	1,1-Dichloroethane	—	1.8	µg/m³	0.13	0.34	< 0.13 U;	0.03	0.12	< 0.030 U;
DOE-4	1,1-Dichloroethene	—	4.1	µg/m³	0.12	0.14	< 0.12 U;	0.018	0.059	< 0.018 U;
DOE-4	1,2,4-trichlorobenzene	0.38	—	µg/m³	0.21	1.7	< 0.21 U;	0.55	5.5	< 0.55 U;
DOE-4	1,2,4-trimethylbenzene	—	63	µg/m³	0.12	0.85	< 0.12 U;	0.22	0.73	< 0.22 U;
DOE-4	1,2-dibromoethane	—	0.0047	µg/m³	0.1	0.17	< 0.10 U;	0.057	0.23	< 0.057 U;
DOE-4	1,2-Dichlorobenzene	—	210	µg/m³	0.13	0.84	< 0.13 U;	0.22	0.45	< 0.22 U;
DOE-4	1,2-Dichloroethane	—	0.11	µg/m³	0.095	0.16	< 0.095 U;	0.03	0.12	**0.060 J;**
DOE-4	1,2-Dichloropropane	—	0.76	µg/m³	0.11	0.16	< 0.11 U;	0.034	0.68	< 0.034 U;
DOE-4	1,2-Dichlorotetrafluoroethane	—	—	µg/m³	0.14	0.87	< 0.14 U;	0.052	0.21	**0.12 J;**
DOE-4	1,3,5-trimethylbenzene	—	63	µg/m³	0.12	0.87	< 0.12 U;	0.22	0.73	< 0.22 U;
DOE-4	1,3-butadiene	0.017	—	µg/m³	0.14	0.34	< 0.14 U;	0.098	0.33	< 0.098 U;
DOE-4	1,3-dichlorobenzene	—	210	µg/m³	0.13	0.85	< 0.13 U;	0.22	0.89	< 0.22 U;
DOE-4	1,4-dichlorobenzene	—	0.26	µg/m³	0.13	0.85	< 0.13 U;	0.11	0.18	< 0.11 U;

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-4	1,4-Dioxane	—	0.56	µg/m³	0.1	0.85	**0.17 J;**	0.27	0.53	< 0.27 U;
DOE-4	2-butanone	—	5200	µg/m³	0.18	1.6	**0.86 J;**	0.55	2.2	**1.3 J;**
DOE-4	2-hexanone	—	31	µg/m³	0.11	1.7	**0.13 J;**	0.76	3	< 0.76 U;
DOE-4	4-ethyltoluene	—	—	µg/m³	0.14	0.84	< 0.14 U;	0.22	0.73	< 0.22 U;
DOE-4	4-isopropyltoluene	—	—	µg/m³	0.13	0.84	< 0.13 U;	1	4.1	< 1.0 U;
DOE-4	4-methyl-2-pentanone	—	3100	µg/m³	0.12	1.7	< 0.12 U;	0.3	0.61	< 0.30 U;
DOE-4	Acrolein	—	0.021	µg/m³	0.24	1.8	**0.30 J;**	0.42	1.7	**1.1 J;**
DOE-4	Acrylonitrile	—	0.041	µg/m³	0.18	1.7	< 0.18 U;	0.4	1.6	< 0.40 U;
DOE-4	Benzene	0.097	—	µg/m³	0.12	0.82	**0.22 J;**	0.12	0.24	**0.18 J;**
DOE-4	Benzyl chloride	—	0.057	µg/m³	0.19	3.5	< 0.19 U;	0.23	0.77	< 0.23 U;
DOE-4	Bromodichloromethane	—	0.076	µg/m³	0.12	0.18	< 0.12 U;	0.25	0.99	< 0.25 U;
DOE-4	Bromoform	—	2.6	µg/m³	0.18	0.89	< 0.18 U;	0.38	1.5	< 0.38 U;
DOE-4	Bromomethane	—	5.2	µg/m³	0.12	0.34	< 0.12 U;	0.29	29	< 0.29 U;
DOE-4	Butylbenzene, n-	210	—	µg/m³	0.12	0.83	< 0.12 U;	1	4.1	< 1.0 U;
DOE-4	Butylbenzene, sec-	420	—	µg/m³	0.12	0.84	< 0.12 U;	1	4.1	< 1.0 U;
DOE-4	Carbon disulfide	—	730	µg/m³	0.26	1.7	< 0.26 U;	0.58	2.3	< 0.58 U;
DOE-4	Carbon tetrachloride	—	0.47	µg/m³	0.12	0.16	**0.46 ;**	0.047	0.19	**0.47 ;**
DOE-4	Chloroethane	—	10000	µg/m³	0.11	0.35	< 0.11 U;	0.049	0.2	< 0.049 U;
DOE-4	Chloroform	—	0.12	µg/m³	0.11	0.17	**0.14 J;**	0.036	0.14	**0.14 ;**
DOE-4	Chloromethane	—	94	µg/m³	0.14	0.34	**0.32 J;**	0.38	1.5	**1.4 J;**
DOE-4	cis-1,2-Dichloroethene	—	—	µg/m³	0.12	0.16	< 0.12 U;	0.029	0.12	< 0.029 U;
DOE-4	Cis-1,3-dichloropropene	—	—	µg/m³	0.13	0.85	< 0.13 U;	0.034	0.67	< 0.034 U;

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-4	Cyclohexane	—	1000	µg/m^3	0.24	1.7	< 0.24 U;	0.64	2.6	< 0.64 U;
DOE-4	Dibromochloromethane	0.13	—	µg/m^3	0.11	0.16	< 0.11 U;	0.32	1.3	< 0.32 U;
DOE-4	Dichlorodifluoromethane	—	100	µg/m^3	0.14	0.81	**3.0 ;**	0.092	0.37	**2.5 ;**
DOE-4	Ethyl acetate	—	73	µg/m^3	0.45	3.1	**9.2 ;**	0.67	2.7	< 0.67 U;
DOE-4	Ethylbenzene	—	1.1	µg/m^3	0.12	0.89	< 0.12 U;	0.032	0.13	**0.061 J;**
DOE-4	Hexachloro-1,3-butadiene	—	0.13	µg/m^3	0.18	0.85	< 0.18 U;	0.47	7.9	< 0.47 U;
DOE-4	Hexane, n-	—	730	µg/m^3	0.18	0.84	< 0.18 U;	0.65	2.6	< 0.65 U;
DOE-4	Isopropanol	—	210	µg/m^3	0.35	3.3	**0.63 J;**	1.8	7.3	**2.0 J;**
DOE-4	Isopropylbenzene	—	420	µg/m^3	0.12	0.85	< 0.12 U;	0.22	0.73	< 0.22 U;
DOE-4	Methyl tert butyl ether	—	11	µg/m^3	0.1	0.85	< 0.10 U;	0.13	0.53	< 0.13 U;
DOE-4	Methylene chloride	1	—	µg/m^3	0.24	0.74	**0.39 J;**	0.26	1	**0.65 J;**
DOE-4	m-xylene & p-xylene	—	100	µg/m^3	0.23	1.7	< 0.23 U;	0.16	0.26	< 0.16 U;
DOE-4	Naphthalene	—	0.083	µg/m^3	0.21	0.88	< 0.21 U;	0.093	0.39	< 0.093 U;
DOE-4	N-heptane	—	420	µg/m^3	0.14	0.84	< 0.14 U;	0.76	3	< 0.76 U;
DOE-4	N-octane	—	100	µg/m^3	0.19	0.85	< 0.19 U;	0.87	3.5	< 0.87 U;
DOE-4	N-propylbenzene	—	1000	µg/m^3	0.12	0.84	< 0.12 U;	0.22	0.73	< 0.22 U;
DOE-4	o-Xylene (1,2-dimethyl-benzene)	—	100	µg/m^3	0.12	0.87	< 0.12 U;	0.064	0.13	< 0.064 U;
DOE-4	Styrene	940	—	µg/m^3	0.14	0.85	< 0.14 U;	0.063	0.63	< 0.063 U;
DOE-4	Tetrachloroethene	0.46	—	µg/m^3	0.11	0.18	**0.11 J;**	0.05	0.2	< 0.050 U;
DOE-4	Tetrahydrofuran	—	2100	µg/m^3	0.11	1.6	< 0.11 U;	0.55	2.2	< 0.55 U;
DOE-4	Toluene	440	—	µg/m^3	0.1	0.88	**0.87 J;**	0.07	0.28	**0.35 ;**
DOE-4	trans-1,2-Dichloroethene	—	—	µg/m^3	0.12	0.34	< 0.12 U;	0.15	0.59	< 0.15 U;

					ALS Environmental			Eurofins Environment Testing Northern California, Air Toxics		
ID	**Analyte**	**DTSC HHRA NOTE 3**	**US EPA RSL**	**Unit**	**MDL**	**MRL**	**Result**	**MDL**	**MRL**	**Result**
DOE-4	Trans-1,3-dichloropropene	—	—	µg/m^3	0.18	0.8	< 0.18 U;	0.034	0.13	< 0.034 U;
DOE-4	Trichloroethene	—	0.48	µg/m^3	0.12	0.17	< 0.12 U;	0.04	0.16	< 0.040 U;
DOE-4	Trichlorofluoromethane	1300	—	µg/m^3	0.13	0.81	**1.4 ;**	0.042	0.17	**1.2 ;**
DOE-4	Vinyl acetate	—	210	µg/m^3	1.9	8.5	< 1.9 U;	0.65	2.6	< 0.65 U;
DOE-4	Vinyl chloride	0.0095	—	µg/m^3	0.092	0.34	< 0.092 U;	0.0076	0.038	< 0.0076 U;
DOE-4	Xylenes, total	—	100	µg/m^3	0.23	1.7	< 0.23 U;	**Did not analyze for total xylenes**		

Notes:

MDL = method detection limit

MRL = method reporting limit

µg/m3 = micrograms per meter cubed

Bold text indicates result above MDL.

Pink shading indicates the result is above the EPA RSL.

Peach shading indicates the result is above the DTSC HHRA NOTE 3 limit.

U = The analyte was not detected above the reported sample MRL.
J = Result is an estimated quantity. Associated numerical value is approximate concentration of analyte in sample.

APPENDIX C
Radionuclide Results

Table C-1. Gross alpha and gross beta air sample results for air samplers.

Sample Collection Date / Time	Result Alpha (μCi/mL)	MDC – Alpha (μCi/mL)	Result Beta (μCi/mL)	MDC – Beta (μCi/mL)
Sample location DOE-1				
4/3/26 8:12	8.22E-16	5.24E-15	6.90E-14	2.10E-14
4/6/26 8:28	-1.28E-15	6.89E-15	2.11E-14	2.76E-14
4/10/26 9:25	1.81E-15	5.13E-15	3.94E-14	2.06E-14
4/13/26 10:12	-6.03E-16	6.84E-15	1.60E-14	2.74E-14
4/17/26 8:23	-1.50E-15	5.28E-15	4.79E-14	2.12E-14
4/20/26 8:52	-2.69E-16	6.86E-15	6.71E-14	2.75E-14
4/24/26 8:28	5.62E-16	5.21E-15	3.60E-14	2.09E-14
4/27/26 9:16	-2.28E-15	6.83E-15	8.65E-15	2.74E-14
5/1/26 8:45	3.07E-16	5.22E-15	4.35E-14	2.09E-14
5/4/26 12:38	3.86E-16	6.56E-15	3.25E-14	2.63E-14
5/8/26 8:45	-7.41E-16	5.40E-15	1.99E-14	2.16E-14
5/11/26 9:52	-9.35E-16	6.81E-15	2.50E-14	2.73E-14
5/15/26 8:28	-2.06E-16	5.26E-15	4.28E-14	2.11E-14
5/18/26 11:23	1.37E-15	6.64E-15	4.39E-14	2.66E-14
5/22/26 9:33	1.35E-15	5.28E-15	5.66E-14	2.12E-14
5/26/26 9:26	-1.48E-15	5.20E-15	4.28E-14	2.08E-14
5/29/26 9:45	-9.44E-16	6.87E-15	-8.22E-15	2.75E-14
6/1/26 9:12	-6.54E-16	7.30E-15	5.62E-14	2.76E-14
6/5/26 9:53	-2.32E-16	5.40E-15	4.88E-14	2.04E-14
6/8/26 9:31	3.67E-16	7.29E-15	3.29E-14	2.76E-14
6/12/26 9:28	-2.33E-16	5.44E-15	4.19E-14	2.06E-14
6/15/26 9:12	-3.71E-15	7.28E-15	6.58E-14	2.75E-14
6/19/26 9:11	-2.26E-15	5.44E-15	6.27E-14	2.06E-14
6/22/26 9:49	-1.31E-15	7.18E-15	6.96E-14	2.72E-14
6/26/26 9:40	-2.34E-16	5.44E-15	4.06E-14	2.06E-14
6/29/26 9:55	7.01E-16	7.22E-15	2.62E-14	2.73E-14

Sample Collection Date / Time	Result Alpha (µCi/mL)	MDC – Alpha (µCi/mL)	Result Beta (µCi/mL)	MDC – Beta (µCi/mL)
Sample location DOE-2				
4/3/26 8:20	3.09E-16	5.25E-15	4.08E-14	2.10E-14
4/6/26 8:40	2.09E-15	6.88E-15	2.67E-14	2.76E-14
4/10/26 9:34	5.54E-16	5.14E-15	5.52E-14	2.06E-14
4/13/26 10:26	-1.61E-15	6.83E-15	1.07E-14	2.74E-14
4/17/26 8:30	-3.84E-15	5.29E-15	3.17E-14	2.12E-14
4/20/26 8:59	-1.62E-15	6.87E-15	5.10E-14	2.75E-14
4/24/26 8:35	1.07E-15	5.20E-15	9.26E-15	2.09E-14
4/27/26 10:24	1.07E-15	6.83E-15	2.37E-14	2.74E-14
5/1/26 8:57	-2.27E-15	5.26E-15	3.17E-14	2.11E-14
5/4/26 12:45	2.64E-15	6.56E-15	5.21E-14	2.63E-14
5/8/26 9:29	-7.37E-16	5.37E-15	3.07E-14	2.15E-14
5/11/26 10:00	-2.63E-15	6.86E-15	5.45E-14	2.75E-14
5/15/26 8:34	-1.24E-15	5.26E-15	2.85E-14	2.11E-14
5/18/26 11:32	-5.86E-16	6.64E-15	6.08E-14	2.66E-14
5/22/26 9:42	5.18E-17	5.29E-15	3.62E-14	2.12E-14
5/26/26 9:32	1.58E-15	5.19E-15	2.87E-14	2.08E-14
5/29/26 9:53	-6.07E-16	6.87E-15	-1.56E-14	2.76E-14
6/1/26 9:19	-3.38E-15	7.31E-15	1.93E-14	2.76E-14
6/5/26 10:03	2.72E-16	5.40E-15	5.09E-14	2.04E-14
6/8/26 9:41	2.41E-15	7.29E-15	6.91E-14	2.76E-14
6/12/26 9:36	-4.88E-16	5.44E-15	3.33E-14	2.06E-14
6/15/26 9:26	-1.67E-15	7.27E-15	3.43E-14	2.75E-14
6/19/26 9:22	1.29E-15	5.44E-15	5.19E-14	2.06E-14
6/22/26 9:56	-3.33E-15	7.20E-15	2.50E-14	2.72E-14
6/26/26 10:06	-1.50E-15	5.43E-15	2.24E-14	2.05E-14
6/29/26 10:12	7.03E-16	7.24E-15	7.93E-15	2.74E-14

Sample Collection Date / Time	Result Alpha (µCi/mL)	MDC – Alpha (µCi/mL)	Result Beta (µCi/mL)	MDC – Beta (µCi/mL)
Sample location DOE-3				
4/3/26 8:27	2.37E-15	5.25E-15	3.17E-14	2.10E-14
4/6/26 8:59	2.42E-15	6.86E-15	2.45E-14	2.75E-14
4/10/26 9:42	1.31E-15	5.15E-15	5.22E-14	2.06E-14
4/13/26 10:34	-9.38E-16	6.83E-15	8.65E-15	2.74E-14
4/17/26 8:38	-1.50E-15	5.29E-15	4.06E-14	2.12E-14
4/20/26 9:06	-1.95E-15	6.87E-15	6.61E-14	2.75E-14
4/24/26 8:35	-4.59E-16	5.20E-15	9.52E-15	2.09E-14
4/27/26 9:32	-2.28E-15	6.83E-15	9.34E-15	2.74E-14
5/1/26 9:05	8.17E-16	5.21E-15	3.79E-14	2.09E-14
5/4/26 12:53	-2.57E-16	6.55E-15	2.37E-14	2.62E-14
5/8/26 9:37	-2.10E-16	5.36E-15	4.04E-14	2.15E-14
5/11/26 10:06	1.08E-15	6.87E-15	5.17E-14	2.75E-14
5/15/26 8:41	-9.80E-16	5.26E-15	4.85E-14	2.11E-14
5/18/26 11:43	6.50E-17	6.63E-15	7.51E-14	2.66E-14
5/22/26 9:56	1.09E-15	5.28E-15	3.35E-14	2.12E-14
5/26/26 9:39	-2.24E-15	5.20E-15	2.87E-14	2.08E-14
5/29/26 10:06	-1.62E-15	6.87E-15	1.12E-14	2.75E-14
6/1/26 9:26	-1.34E-15	7.32E-15	3.02E-14	2.77E-14
6/5/26 10:13	2.29E-15	5.39E-15	5.41E-14	2.04E-14
6/8/26 9:51	1.05E-15	7.29E-15	7.39E-14	2.76E-14
6/12/26 9:43	-2.01E-15	5.45E-15	2.08E-14	2.06E-14
6/15/26 9:37	-3.02E-15	7.27E-15	6.86E-14	2.75E-14
6/19/26 9:30	-2.01E-15	5.44E-15	5.14E-14	2.06E-14
6/22/26 10:03	-4.00E-15	7.19E-15	8.95E-15	2.72E-14
6/26/26 10:18	-1.24E-15	5.42E-15	4.26E-14	2.05E-14
6/29/26 10:21	-2.66E-15	7.21E-15	-1.78E-15	2.73E-14

Sample Collection Date / Time	Result Alpha (µCi/mL)	MDC – Alpha (µCi/mL)	Result Beta (µCi/mL)	MDC – Beta (µCi/mL)
Sample location DOE-4				
4/3/26 8:34	3.10E-16	5.26E-15	4.61E-14	2.11E-14
4/6/26 9:08	-1.95E-15	6.86E-15	1.78E-14	2.75E-14
4/10/26 9:53	1.06E-15	5.14E-15	4.48E-14	2.06E-14
4/13/26 10:42	7.37E-16	6.84E-15	-9.58E-15	2.74E-14
4/17/26 8:45	-2.02E-15	5.29E-15	2.54E-14	2.12E-14
4/20/26 9:13	-2.96E-15	6.86E-15	2.63E-14	2.75E-14
4/24/26 8:49	-1.99E-15	5.21E-15	3.25E-14	2.09E-14
4/27/26 9:43	3.41E-15	6.82E-15	5.80E-14	2.73E-14
5/1/26 9:22	1.07E-15	5.20E-15	5.89E-14	2.09E-14
5/4/26 13:00	1.68E-15	6.58E-15	4.78E-14	2.64E-14
5/8/26 9:48	2.68E-15	5.36E-15	2.74E-14	2.15E-14
5/11/26 10:33	1.41E-15	6.84E-15	3.57E-14	2.74E-14
5/15/26 8:49	5.18E-17	5.28E-15	4.30E-14	2.12E-14
5/18/26 11:53	-1.24E-15	6.63E-15	6.82E-14	2.66E-14
5/22/26 10:03	6.27E-15	5.28E-15	5.41E-14	2.12E-14
5/26/26 9:47	2.34E-15	5.20E-15	6.04E-14	2.08E-14
5/29/26 10:16	-1.28E-15	6.87E-15	4.21E-14	2.75E-14
6/1/26 9:34	-1.68E-15	7.32E-15	3.38E-14	2.77E-14
6/5/26 10:22	1.78E-15	5.39E-15	3.91E-14	2.04E-14
6/8/26 10:17	-1.67E-15	7.26E-15	5.19E-14	2.75E-14
6/12/26 9:51	5.30E-16	5.46E-15	3.15E-14	2.07E-14
6/15/26 9:45	-2.68E-15	7.26E-15	5.23E-14	2.75E-14
6/19/26 9:54	-3.53E-15	5.43E-15	4.50E-14	2.05E-14
6/22/26 10:09	-1.66E-15	7.23E-15	4.02E-14	2.73E-14
6/26/26 10:25	1.03E-15	5.42E-15	6.81E-14	2.05E-14
6/29/26 10:30	-6.49E-16	7.24E-15	7.66E-14	2.74E-14

Note: Some values are negative after background subtraction.

Table C-2. Individual radionuclide analysis for composite filter samples.

Radionuclide	Type F DCS	Type M DCS	Type S DCS	Result (pCi/sample)	MDC (pCi/sample)	Data Qualifier	Airborne Concentration (µCi/mL)
Q2 2026 Location DOE-1 Air Volume/Sample 9.84E+8ml							
Actinium-228	8.6E-10	5.7E-10	2.7E-10	4.93968	45.1656	U ; U	5.02E-15
Americium-241	1.9E-13	2.5E-13	1.3E-13	0.225336	0.705528	U * ; U	2.29E-16
Beryllium-7	1.1E-7	5.9E-8	4.2E-8	33.6528	103.32	U ; U	3.42E-14
Cesium-137	7.0E-10	4.6E-10	3.8E-11	0.463464	12.2016	U ; U	4.71E-16
Cobalt-60	7.2E-10	3.4E-10	6.3E-11	2.64696	10.9224	U ; U	2.69E-15
Plutonium-238	1.2E-13	1.6E-13	1.3E-13	0.0228288	0.218448	U ; U	2.32E-17
Plutonium-239	1.1E-13	1.5E-13	1.2E-13	0.25092	0.0685848	;	2.55E-16
Plutonium-241	9.9E-12	1.6E-11	8.9E-12	6.5928	17.712	U ; U	6.70E-15
Polonium-210	3.8E-12	1.9E-12	1.2E-12	4.10328	0.46248	;	4.17E-15
Potassium-40	2.6E-9	3.4E-10	1.4E-11	9.30864	161.376	U ; U	9.46E-15
Radium-226	1.9E-11	1.6E-12	1.6E-13	0.71832	1.55472	U ; U	7.30E-16
Radium-228	5.6E-12	1.7E-12	9.8E-14	7.0356	8.63952	U * ; U	7.15E-15
Strontium-90	1.2E-10	1.1E-10	9.6E-12	-0.785232	3.08976	U ; U	-7.98E-16
Thorium-228	2.1E-13	2.2E-13	1.0E-13	0.0436896	0.976128	U ; U	4.44E-17
Thorium-230	1.3E-13	2.7E-13	1.5E-13	0.943656	0.568752	; UJ	9.59E-16
Thorium-232	1.1E-13	2.4E-13	3.7E-14	0.0434928	0.5658	U ; U	4.42E-17
Uranium-233/234	1.2E-11	1.5E-12	1.6E-13	0.188928	0.474288	U ; U	1.92E-16
Uranium-235/236	1.3E-11	1.6E-12	1.7E-13	0	0.38868	U ; U	0.00E+0
Uranium-238	1.3E-11	1.8E-12	1.8E-13	0.064944	0.540216	U ; U	6.60E-17
Q2 2026 Location DOE-2 Air Volume/Sample 9.84E+8ml							
Actinium-228	8.6E-10	5.7E-10	2.7E-10	6.32712	34.8336	U ; U	6.43E-15
Americium-241	1.9E-13	2.5E-13	1.3E-13	0.0264696	0.645504	U * ; U	2.69E-17
Beryllium-7	1.1E-7	5.9E-8	4.2E-8	52.7424	50.184	;	5.36E-14
Cesium-137	7.0E-10	4.6E-10	3.8E-11	-4.53624	13.776	U ; U	-4.61E-15
Cobalt-60	7.2E-10	3.4E-10	6.3E-11	2.43048	9.9384	U ; U	2.47E-15
Plutonium-238	1.2E-13	1.6E-13	1.3E-13	0.0410328	0.0615	U ; U	4.17E-17
Plutonium-239	1.1E-13	1.5E-13	1.2E-13	0.102336	0.0615984	;	1.04E-16
Plutonium-241	9.9E-12	1.6E-11	8.9E-12	11.9064	17.1216	U ; U	1.21E-14
Polonium-210	3.8E-12	1.9E-12	1.2E-12	3.61128	0.394584	;	3.67E-15

Radionuclide	Type F DCS	Type M DCS	Type S DCS	Result (pCi/sample)	MDC (pCi/sample)	Data Qualifier	Airborne Concentration (µCi/mL)
Potassium-40	2.6E-9	3.4E-10	1.4E-11	50.184	94.3656	U ; U	5.10E-14
Radium-226	1.9E-11	1.6E-12	1.6E-13	0.768504	1.21032	U ; U	7.81E-16
Radium-228	5.6E-12	1.7E-12	9.8E-14	6.95688	6.9864	U * ; U	7.07E-15
Strontium-90	1.2E-10	1.1E-10	9.6E-12	-0.385728	2.73552	U ; U	-3.92E-16
Thorium-228	2.1E-13	2.2E-13	1.0E-13	0.149568	1.01352	U ; U	1.52E-16
Thorium-230	1.3E-13	2.7E-13	1.5E-13	1.09224	0.592368	; UJ	1.11E-15
Thorium-232	1.1E-13	2.4E-13	3.7E-14	-0.0194832	0.47232	U ; U	-1.98E-17
Uranium-233/234	1.2E-11	1.5E-12	1.6E-13	0	0.32964	U ; U	0.00E+0
Uranium-235/236	1.3E-11	1.6E-12	1.7E-13	0	0.410328	U ; U	0.00E+0
Uranium-238	1.3E-11	1.8E-12	1.8E-13	0	0.328656	U ; U	0.00E+0
Q2 2026 Location DOE-3 Air Volume/Sample 9.85E+8ml							
Actinium-228	8.6E-10	5.7E-10	2.7E-10	-11.426	53.2885	U ; U	-1.16E-14
Americium-241	1.9E-13	2.5E-13	1.3E-13	0.146765	0.57918	U * ; U	1.49E-16
Beryllium-7	1.1E-7	5.9E-8	4.2E-8	26.6935	87.9605	U ; U	2.71E-14
Cesium-137	7.0E-10	4.6E-10	3.8E-11	-0.266935	10.047	U ; U	-2.71E-16
Cobalt-60	7.2E-10	3.4E-10	6.3E-11	3.12245	14.4795	U ; U	3.17E-15
Plutonium-238	1.2E-13	1.6E-13	1.3E-13	0.085498	0.0641235	; U	8.68E-17
Plutonium-239	1.1E-13	1.5E-13	1.2E-13	0.0855965	0.064222	; U	8.69E-17
Plutonium-241	9.9E-12	1.6E-11	8.9E-12	1.90105	17.533	U ; U	1.93E-15
Polonium-210	3.8E-12	1.9E-12	1.2E-12	2.8762	0.15957	;	2.92E-15
Potassium-40	2.6E-9	3.4E-10	1.4E-11	-4.95455	144.795	U ; U	-5.03E-15
Radium-226	1.9E-11	1.6E-12	1.6E-13	-0.154645	1.1426	U ; U	-1.57E-16
Radium-228	5.6E-12	1.7E-12	9.8E-14	2.45265	7.8209	U * ; U	2.49E-15
Strontium-90	1.2E-10	1.1E-10	9.6E-12	3.4278	3.49675	U ; U	3.48E-15
Thorium-228	2.1E-13	2.2E-13	1.0E-13	0.264965	1.25095	U ; U	2.69E-16
Thorium-230	1.3E-13	2.7E-13	1.5E-13	0.073875	0.82543	U ; U	7.50E-17
Thorium-232	1.1E-13	2.4E-13	3.7E-14	0.184195	0.666845	U ; U	1.87E-16
Uranium-233/234	1.2E-11	1.5E-12	1.6E-13	0.0810655	0.454085	U ; U	8.23E-17
Uranium-235/236	1.3E-11	1.6E-12	1.7E-13	0	0.37233	U ; U	0.00E+0
Uranium-238	1.3E-11	1.8E-12	1.8E-13	-0.0373315	0.517125	U ; U	-3.79E-17

Radionuclide	Type F DCS	Type M DCS	Type S DCS	Result (pCi/sample)	MDC (pCi/sample)	Data Qualifier	Airborne Concentration (µCi/mL)
Q2 2026 Location DOE-4 Air Volume/Sample 9.84E+8ml							
Actinium-228	8.6E-10	5.7E-10	2.7E-10	3.43416	43.6896	U ; U	3.49E-15
Americium-241	1.9E-13	2.5E-13	1.3E-13	0.27552	0.446736	U * ; U	2.80E-16
Beryllium-7	1.1E-7	5.9E-8	4.2E-8	59.2368	54.8088	;	6.02E-14
Cesium-137	7.0E-10	4.6E-10	3.8E-11	2.93232	9.6432	U ; U	2.98E-15
Cobalt-60	7.2E-10	3.4E-10	6.3E-11	3.41448	10.7256	U ; U	3.47E-15
Plutonium-238	1.2E-13	1.6E-13	1.3E-13	-0.0212544	0.203688	U ; U	-2.16E-17
Plutonium-239	1.1E-13	1.5E-13	1.2E-13	0.0638616	0.0638616	; U	6.49E-17
Plutonium-241	9.9E-12	1.6E-11	8.9E-12	6.0024	18.1056	U ; U	6.10E-15
Polonium-210	3.8E-12	1.9E-12	1.2E-12	4.89048	0.434928	;	4.97E-15
Potassium-40	2.6E-9	3.4E-10	1.4E-11	-35.916	184.992	U ; U	-3.65E-14
Radium-226	1.9E-11	1.6E-12	1.6E-13	0.301104	1.16112	U ; U	3.06E-16
Radium-228	5.6E-12	1.7E-12	9.8E-14	4.29024	6.65184	U * ; U	4.36E-15
Strontium-90	1.2E-10	1.1E-10	9.6E-12	1.71216	3.50304	U ; U	1.74E-15
Thorium-228	2.1E-13	2.2E-13	1.0E-13	0.556944	1.35792	U ; U	5.66E-16
Thorium-230	1.3E-13	2.7E-13	1.5E-13	0.537264	0.829512	U ; U	5.46E-16
Thorium-232	1.1E-13	2.4E-13	3.7E-14	0.026076	0.636648	U ; U	2.65E-17
Uranium-233/234	1.2E-11	1.5E-12	1.6E-13	0.230256	0.345384	U ; U	2.34E-16
Uranium-235/236	1.3E-11	1.6E-12	1.7E-13	0	0.430008	U ; U	0.00E+0
Uranium-238	1.3E-11	1.8E-12	1.8E-13	0.115128	0.3444	U ; U	1.17E-16

Notes and Data Qualifier meanings:

DOE-STD-1196-2022 – Table 7: Derived concentration standards (DCS) for members of the public for inhalation of particles
DCS limits are based off rate of dissolution and absorption to blood (F = "fast", M = "intermediate", and S = "slow")
DCS limits are presented in units of uCi/mL.
MDC - Minimum Detectable Concentration
Airborne Concentration (uCi/mL) = (Result (pCi/sample)) / ((Air Volume (mL)/Sample)*1000000)
; - separates lab qualifiers from data validation qualifiers
pCi/sample - Picocuries per sample
uCi/mL - Microcuries per milliliter
mL - milliliters

* - Laboratory control spike (LCS) or LCS duplicate is outside acceptance limits.

U U – Analyte was analyzed for but not detected and is qualified as a non-detect.

J – The analyte was detected; however, the result is estimated because of discrepancies in meeting certain analyte-specific QC criteria.

UJ – The analyte was not detected; however, the result is estimated because of discrepancies in meeting certain analyte specific QC criteria.

APPENDIX D
PM_{10} Monthly Audit Reports and Flow Verification Results

One-Point Flow Rate Bias Estimate

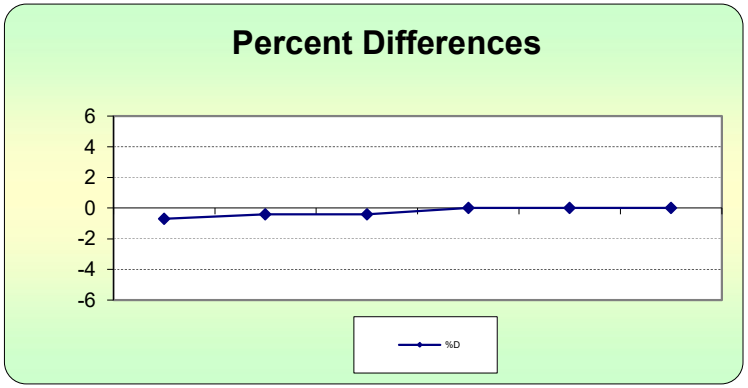
ETEC Site: DOE-1	Pollutant type: PM10	Bias (%)

Quarter	E-BAM	Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	Percentile	d^2	$\|d\|$	$\|d\|^2$
Q2/2026 (Q33)	B18932	4/28/2026	14.00	14.10	-0.709		0.503	0.709	0.503
			16.70	16.77	-0.417	**25th**	0.174	0.417	0.174
			17.50	17.57	-0.398	-1.682	0.159	0.398	0.159
Q2/2026	B18932	5/29/2026							
						75th			
						-0.490			
Q2/2026	Y12096	6/30/2026	14.00	14.19	-1.339		1.793	1.339	1.793
			16.70	17.01	-1.822		3.321	1.822	3.321
			17.50	17.82	-1.796		3.225	1.796	3.225

n	$\sum\|d\|$	"AB" (Eqn 4)
6	6.482	1.080
n-1	$\sum\|d\|^2$	"AS" (Eqn 5)
5	9.175	0.659

Bias (%) (Eqn 3)	Both Signs Positive
1.62	FALSE
Signed Bias (%)	Both Signs Negative
-1.62	TRUE

Note: E-BAM unit B18932 went down on 5/2/2026, could not be audited on 5/29/2026, and was replaced with Y12096 on 6/9/2026.



Reference: U.S. EPA, Ambient Monitoring Technology Information Center (AMTIC)
Quality Indicator Assessment Reports
Data Assessment Statistical Calculator - Software to calculate precision and bias statistics
MS EXCEL filename - "*11/3/2017 (dasc)11_3_17.xls)*"
https://www3.epa.gov/tnn/amtic/qareport.html

NORTH WIND PORTAGE

One-Point Flow Rate Bias Estimate

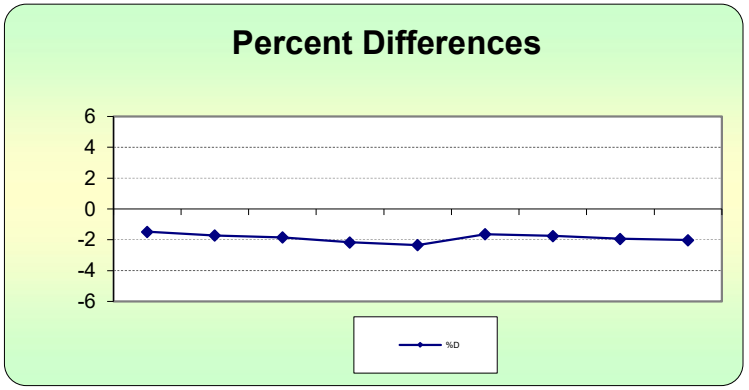
ETEC Site: DOE-2	Pollutant type: PM10	Bias (%)

Quarter	E-BAM	Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	Percentile	d^2	$\|d\|$	$\|d\|^2$
Q2 / 2026	B20070	4/28/2026	14.00	14.21	-1.478		2.184	1.478	2.184
(Q33)			16.70	16.99	-1.707	**25th**	2.913	1.707	2.913
			17.50	17.83	-1.851	-2.016	3.426	1.851	3.426
Q2 / 2026	B20070	5/29/2026	14.00	14.31	-2.166		4.693	2.166	4.693
			16.70	17.10	-2.339	**75th**	5.472	2.339	5.472
			17.50	17.79	-1.630	-1.707	2.657	1.630	2.657
Q2 / 2026	B20070	6/30/2026	14.00	14.25	-1.754		3.078	1.754	3.078
			16.70	17.03	-1.938		3.755	1.938	3.755
			17.50	17.86	-2.016		4.063	2.016	4.063

n	$\sum\|d\|$	"AB" (Eqn 4)
9	16.879	1.875
n-1	$\sum\|d\|^2$	**"AS" (Eqn 5)**
8	32.241	0.270

Bias (%) (Eqn 3)	Both Signs Positive
2.04	FALSE
Signed Bias (%)	Both Signs Negative
-2.04	TRUE

Note: No quality issues reported this quarter.



Reference: U.S. EPA, Ambient Monitoring Technology Information Center (AMTIC)
Quality Indicator Assessment Reports
Data Assessment Statistical Calculator - Software to calculate precision and bias statistics
MS EXCEL filename - "*11/3/2017 (dasc)11_3_17.xls)*"
https://www3.epa.gov/tnn/amtic/qareport.html

One-Point Flow Rate Bias Estimate

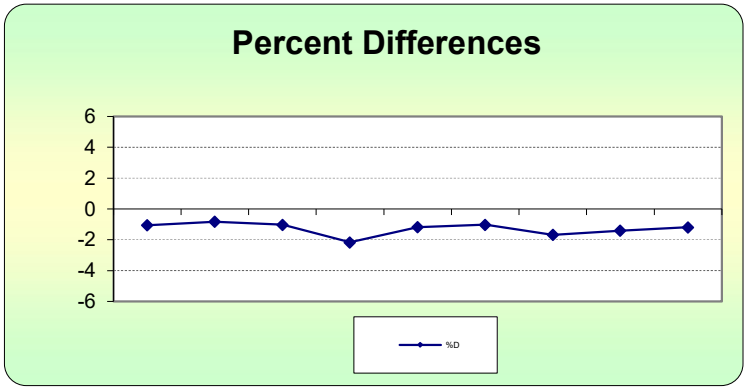
ETEC Site: DOE-3	Pollutant type: PM10	Bias (%)

Quarter	E-BAM	Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	Percentile	d^2	$\|d\|$	$\|d\|^2$
Q2 / 2026 (Q33)	W23313	4/28/2026	14.00	14.15	-1.060		1.124	1.060	1.124
			16.70	16.84	-0.831	**25th**	0.691	0.831	0.691
			17.50	17.68	-1.018	-1.417	1.037	1.018	1.037
Q2 / 2026	F12310	5/29/2026	14.00	14.31	-2.166		4.693	2.166	4.693
			16.70	16.90	-1.183	**75th**	1.401	1.183	1.401
			17.50	17.68	-1.018	-1.018	1.037	1.018	1.037
Q2 / 2026	F12310	6/30/2026	14.00	14.24	-1.685		2.841	1.685	2.841
			16.70	16.94	-1.417		2.007	1.417	2.007
			17.50	17.71	-1.186		1.406	1.186	1.406

n	$\sum\|d\|$	"AB" (Eqn 4)
9	11.565	1.285
n-1	$\sum\|d\|^2$	**"AS" (Eqn 5)**
8	16.235	0.414

Bias (%) (Eqn 3)	Both Signs Positive
1.54	FALSE
Signed Bias (%)	Both Signs Negative
-1.54	TRUE

Note: W23313 went down on 5/2/2026 and was replaced with F12310 on 5/15/2026.



Reference: U.S. EPA, Ambient Monitoring Technology Information Center (AMTIC)
Quality Indicator Assessment Reports
Data Assessment Statistical Calculator - Software to calculate precision and bias statistics
MS EXCEL filename - "*11/3/2017 (dasc)11_3_17.xls)*"
https://www3.epa.gov/tnn/amtic/qareport.html

One-Point Flow Rate Bias Estimate

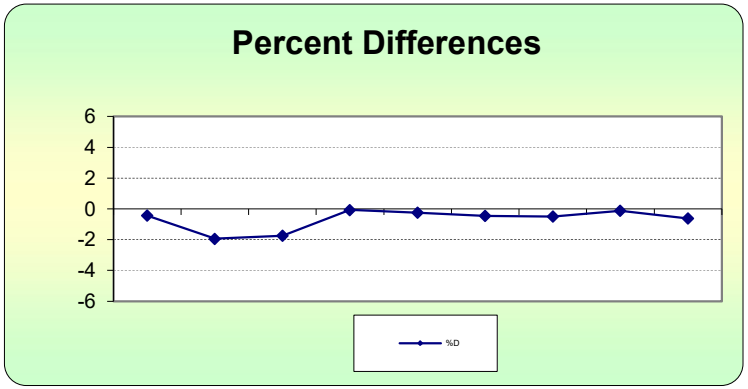
ETEC Site: DOE-4	Pollutant type: PM10	Bias (%)

Quarter	E-BAM	Date	Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	Percentile	d^2	$\|d\|$	$\|d\|^2$
Q2 / 2026 (Q33)	X16067	4/28/2026	14.00	14.06	-0.427		0.182	0.427	0.182
			16.70	17.03	-1.938	**25th**	3.755	1.938	3.755
			17.50	17.81	-1.741	-0.625	3.030	1.741	3.030
Q2 / 2026	X16067	5/29/2026	14.00	14.01	-0.071		0.005	0.071	0.005
			16.70	16.74	-0.239	**75th**	0.057	0.239	0.057
			17.50	17.58	-0.455	-0.239	0.207	0.455	0.207
Q2 / 2026	X16067	6/30/2026	14.00	14.07	-0.498		0.248	0.498	0.248
			16.70	16.72	-0.120		0.014	0.120	0.014
			17.50	17.61	-0.625		0.390	0.625	0.390

n	$\sum\|d\|$	"AB" (Eqn 4)
9	6.112	0.679
n-1	$\sum\|d\|^2$	"AS" (Eqn 5)
8	7.888	0.683

Bias (%) (Eqn 3)	Both Signs Positive
1.1	FALSE
Signed Bias (%)	Both Signs Negative
-1.10	TRUE

Note: No quality issues reported this quarter.



Reference: U.S. EPA, Ambient Monitoring Technology Information Center (AMTIC)
Quality Indicator Assessment Reports
Data Assessment Statistical Calculator - Software to calculate precision and bias statistics
MS EXCEL filename - "*11/3/2017 (dasc)11_3_17.xls)*"
https://www3.epa.gov/tnn/amtic/qareport.html

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-1 Serial # B18932

Audit Date: 4/28/26 Audited By : B. Williford

Flow Audit								
Flow Audit Device Model:	BGI Delta Cal DC-1A	Serial No:	158047	Calibration Date:	4/7/2026			
Leak Check Value:	as found:	0.96		as left:	0.96			
		E-BAM	Ref. Std.		E-BAM	Ref. Std.		
Ambient Temperature:	as found:	15.2 °C	14.4 °C	as left:	15.2 °C	14.4 °C		
Barometric Pressure:	as found:	717.3 mmHg	716.7 mmHg	as left:	717.3 mmHg	716.7 mmHg		
16.7 lpm Flow Rate	as found:	16.7 lpm	16.77 lpm	as left:	16.7 lpm	16.77 lpm		
14.0 lpm Flow Rate	as found:	14.0 lpm	14.10 lpm	as left:	14.0 lpm	14.10 lpm		
17.5 lpm Flow Rate	as found:	17.5 lpm	17.57 lpm	as left:	17.5 lpm	17.57 lpm		

Mechanical Audits (Y = Yes N = No)				
Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test		Pump Test		
Expected Span Mass (mg/cm2) :	0.854	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) :	0.862			
Difference (mg/cm2) :	0.008			
% Difference / Pass or Fail:	0.93%	15.0	383.2	Good

Setup and Calibration Values								
Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	0823	0823	Analog Mode	Hourly	✓	Flow Type	Actual	✓
Location	1	1	Baud Rate	9600	✓	Restart Voltage	12.5 v	✓
Tape Advance	24 hrs	✓	RH Setpoint	45%	✓	Std Cond Temp	25 C	✓
Realtime Avg	60 mins	✓	Delta T Setpoint	15 C	✓	DAC	8.0 v	✓
Machine Type	PM-10	✓	RH Control	On	✓	RH Connect	No	✓
Analog FS	1.0 v	✓	Flow Setpoint	16.7	✓	Pump Protect	Off	✓

Last 6 Errors in E-BAM Error Log						
Error	Date	Time	Error	Date	Time	
1 No new messages	4/28/26	0831	4			
2			5			
3			6			

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-1 Serial # B18932

Audit Date: 5/29/26 Audited By : TS Williford

Unit Not Running

Flow Audit							
Flow Audit Device Model:	BGI Delta Cal DC-1A	Serial No:	158047	Calibration Date:	4/7/2026		
Leak Check Value:	as found:			as left:			
		E-BAM	Ref. Std.		E-BAM	Ref. Std.	
Ambient Temperature:	as found:	°C	°C	as left:	°C	°C	
Barometric Pressure:	as found:	mmHg	mmHg	as left:	mmHg	mmHg	
16.7 lpm Flow Rate	as found:	lpm	lpm	as left:	lpm	lpm	
14.0 lpm Flow Rate	as found:	lpm	lpm	as left:	lpm	lpm	
17.5 lpm Flow Rate	as found:	lpm	lpm	as left:	lpm	lpm	

Mechanical Audits (Y = Yes N = No)				
Sample nozzle clean:	as found		as left	
Tape support vane clean:	as found		as left	
Tape spool covers tight:	as found		as left	
PM10 particle trap clean:	as found		as left	
PM10 drip jar empty:	as found		as left	
PM10 bug screen clear:	as found		as left	

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) :	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) :			
Difference (mg/cm2) :			
% Difference / Pass or Fail:			

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock			Analog Mode	Hourly		Flow Type	Actual	
Location			Baud Rate	9600		Restart Voltage	12.5 v	
Tape Advance	24 hrs		RH Setpoint	45%		Std Cond Temp	25 C	
Realtime Avg	60 mins		Delta T Setpoint	15 C		DAC	8.0 v	
Machine Type	PM-10		RH Control	On		RH Connect	No	
Analog FS	1.0 v		Flow Setpoint	16.7		Pump Protect	Off	

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1			4		
2			5		
3			6		

Audit Notes:

* Unit was not running and I had no ~~parts~~ TSW replacements.

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-1 Serial # 412096

Audit Date: 6/30/26 Audited By : TSwilliford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 4/7/2026

Leak Check Value: as found: 0.5 as left: 0.5

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	20.4 °C	20.4 °C	as left:	20.4 °C	20.4 °C
Barometric Pressure:	as found:	713.8 mmHg	713.7 mmHg	as left:	713.8 mmHg	713.7 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	17.01 lpm	as left:	16.7 lpm	17.01 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.19 lpm	as left:	14.0 lpm	14.19 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.82 lpm	as left:	17.5 lpm	17.82 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.978	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.964			
Difference (mg/cm2) : 0.014			
% Difference / Pass or Fail: 1.44%	14.3	401.3	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	0946	0946	Analog Mode	Hourly	✓	Flow Type	Actual	✓
Location	1	1	Baud Rate	9600	✓	Restart Voltage	12.5 v	✓
Tape Advance	24 hrs	✓	RH Setpoint	45%	✓	Std Cond Temp	25 C	✓
Realtime Avg	60 mins	✓	Delta T Setpoint	15 C	✓	DAC	8.0 v	✓
Machine Type	PM-10	✓	RH Control	On	✓	RH Connect	No	✓
Analog FS	1.0 v	✓	Flow Setpoint	16.7	✓	Pump Protect	Off	✓

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1 No new messages	6/30/26	0951	4		
2			5		
3			6		

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-2 Serial # B20070

Audit Date: 4/28/26 Audited By : TS. Williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 4/7/2026

Leak Check Value: as found: 0.35 as left: 0.35

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	15.8 °C	15.8 °C	as left:	15.8 °C	15.8 °C
Barometric Pressure:	as found:	714.0 mmHg	713.7 mmHg	as left:	714.0 mmHg	713.7 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.99 lpm	as left:	16.7 lpm	16.99 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.21 lpm	as left:	14.0 lpm	14.21 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.83 lpm	as left:	17.5 lpm	17.83 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.850	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.849			
Difference (mg/cm2) : 0.001			
% Difference / Pass or Fail: 0.11 %	14.5	377.6	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	0936	0936	Analog Mode	Hourly	✓	Flow Type	Actual	✓
Location	2	2	Baud Rate	9600	✓	Restart Voltage	12.5 v	✓
Tape Advance	24 hrs	✓	RH Setpoint	45%	✓	Std Cond Temp	25 C	✓
Realtime Avg	60 mins	✓	Delta T Setpoint	15 C	✓	DAC	8.0 v	✓
Machine Type	PM-10	✓	RH Control	On	✓	RH Connect	No	✓
Analog FS	1.0 v	✓	Flow Setpoint	16.7	✓	Pump Protect	Off	✓

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1 No new Messages	4/28/26	0940	4		
2			5		
3			6		

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-2 Serial # B20070

Audit Date: 5/29/26 Audited By : TS Williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 4/7/2026

Leak Check Value: as found: 0.51 as left: 0.51

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	14.7 °C	15.3 °C	as left:	14.7 °C	15.3 °C
Barometric Pressure:	as found:	711.5 mmHg	711.4 mmHg	as left:	711.5 mmHg	711.4 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	17.10 lpm	as left:	16.7 lpm	17.10 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.31 lpm	as left:	14.0 lpm	14.31 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.79 lpm	as left:	17.5 lpm	17.79 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.850	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.846			
Difference (mg/cm2) : 0.004			
% Difference / Pass or Fail: 0.47%	14.3	382.4	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	0739	0739	Analog Mode	Hourly	✓	Flow Type	Actual	✓
Location	2	2	Baud Rate	9600	✓	Restart Voltage	12.5 v	✓
Tape Advance	24 hrs	✓	RH Setpoint	45%	✓	Std Cond Temp	25 C	✓
Realtime Avg	60 mins	✓	Delta T Setpoint	15 C	✓	DAC	8.0 v	✓
Machine Type	PM-10	✓	RH Control	On	✓	RH Connect	No	✓
Analog FS	1.0 v	✓	Flow Setpoint	16.7	✓	Pump Protect	Off	✓

Last 6 Errors in E-BAM Error Log

	Error	Date	Time		Error	Date	Time
1	No new Messages	5/29/26	0744	4			
2				5			
3				6			

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-2 Serial # B20070

Audit Date: 6/30/26 Audited By : TS williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 4/7/2026

Leak Check Value: as found: 0.43 as left: 0.43

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	20.6 °C	21.0 °C	as left:	20.6 °C	21.0 °C
Barometric Pressure:	as found:	711.4 mmHg	711.2 mmHg	as left:	711.4 mmHg	711.2 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	17.03 lpm	as left:	16.7 lpm	17.03 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.25 lpm	as left:	14.0 lpm	14.25 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.86 lpm	as left:	17.5 lpm	17.86 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	N	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.850	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.848			
Difference (mg/cm2) : 0.002			
% Difference / (Pass) or Fail: 0.24%	14.5	378.1	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1040	1040	Analog Mode	Hourly	✓	Flow Type	Actual	✓
Location	2	2	Baud Rate	9600	✓	Restart Voltage	12.5 v	✓
Tape Advance	24 hrs	✓	RH Setpoint	45%	✓	Std Cond Temp	25 C	✓
Realtime Avg	60 mins	✓	Delta T Setpoint	15 C	✓	DAC	8.0 v	✓
Machine Type	PM-10	✓	RH Control	On	✓	RH Connect	No	✓
Analog FS	1.0 v	✓	Flow Setpoint	16.7	✓	Pump Protect	Off	✓

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1 No new Messages	6/30/26	1048	4		
2			5		
3			6		

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-3 Serial # W23313

Audit Date: 4/28/26 Audited By : TS Williford

Flow Audit								
Flow Audit Device Model:	BGI Delta Cal DC-1A	Serial No:	158047	Calibration Date:	4/7/2026			
Leak Check Value:	as found:	0.5		as left:	0.5			
		E-BAM	Ref. Std.		E-BAM	Ref. Std.		
Ambient Temperature:	as found:	18.7 °C	17.9 °C	as left:	18.7 °C	17.9 °C		
Barometric Pressure:	as found:	715.3 mmHg	715.2 mmHg	as left:	715.3 mmHg	715.2 mmHg		
16.7 lpm Flow Rate	as found:	16.70 lpm	16.84 lpm	as left:	16.70 lpm	16.84 lpm		
14.0 lpm Flow Rate	as found:	14.0 lpm	14.15 lpm	as left:	14.0 lpm	14.15 lpm		
17.5 lpm Flow Rate	as found:	17.5 lpm	17.68 lpm	as left:	17.5 lpm	17.68 lpm		

Mechanical Audits (Y = Yes N = No)				
Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.885	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.914			
Difference (mg/cm2) : 0.029			
% Difference / Pass or Fail: 3.22%	14.6	418.3	Marginal

Setup and Calibration Values								
Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1051	1051	Analog Mode	Hourly	✓	Flow Type	Actual	✓
Location	3	3	Baud Rate	9600	✓	Restart Voltage	12.5 v	✓
Tape Advance	24 hrs	✓	RH Setpoint	45%	✓	Std Cond Temp	25 C	✓
Realtime Avg	60 mins	✓	Delta T Setpoint	15 C	✓	DAC	8.0 v	✓
Machine Type	PM-10	✓	RH Control	On	✓	RH Connect	No	✓
Analog FS	1.0 v	✓	Flow Setpoint	16.7	✓	Pump Protect	Off	✓

Last 6 Errors in E-BAM Error Log					
Error	Date	Time	Error	Date	Time
1 No new messages	4/29/26	1056	4		
2			5		
3			6		

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-3 Serial # F12310

Audit Date: 5/29/26 Audited By : TSWilliford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 4/7/2026

Leak Check Value: as found: 0.5 as left: 0.5

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	15.1 °C	14.8 °C	as left:	15.1 °C	14.8 °C
Barometric Pressure:	as found:	713.3 mmHg	713.0 mmHg	as left:	713.3 mmHg	713.0 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.90 lpm	as left:	16.7 lpm	16.90 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.31 lpm	as left:	14.0 lpm	14.31 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.68 lpm	as left:	17.5 lpm	17.68 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test

Expected Span Mass (mg/cm2) : 0.826

Measured Span Mass (mg/cm2) : 0.846

Difference (mg/cm2) : 0.02

% Difference / (Pass) or Fail: 2.40%

Pump Test

Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
14.7	378.6	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	0842	0842	Analog Mode	Hourly	✓	Flow Type	Actual	✓
Location	3	3	Baud Rate	9600	✓	Restart Voltage	12.5 v	✓
Tape Advance	24 hrs	✓	RH Setpoint	45%	✓	Std Cond Temp	25 C	✓
Realtime Avg	60 mins	✓	Delta T Setpoint	15 C	✓	DAC	8.0 v	✓
Machine Type	PM-10	✓	RH Control	On	✓	RH Connect	No	✓
Analog FS	1.0 v	✓	Flow Setpoint	16.7	✓	Pump Protect	Off	✓

Last 6 Errors in E-BAM Error Log

	Error	Date	Time		Error	Date	Time
1	No New messages	5/29/26	0851	4			
2				5			
3				6			

Audit Notes:

~~0853~~ TSW

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-3 Serial # F12310

Audit Date: 6/30/26 Audited By: TS Williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 4/7/2026

Leak Check Value: as found: 0.5 as left: 0.5

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	21.8 °C	21.8 °C	as left:	21.8 °C	21.8 °C
Barometric Pressure:	as found:	712.1 mmHg	712.7 mmHg	as left:	712.1 mmHg	712.7 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.94 lpm	as left:	16.7 lpm	16.94 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.24 lpm	as left:	14.0 lpm	14.24 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.71 lpm	as left:	17.5 lpm	17.71 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test		Pump Test		
Expected Span Mass (mg/cm2) :	0.826	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) :	0.847			
Difference (mg/cm2) :	0.021			
% Difference / (Pass) or Fail:	2.51 %	14.6	382.3	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1139	1139	Analog Mode	Hourly	✓	Flow Type	Actual	✓
Location	3	3	Baud Rate	9600	✓	Restart Voltage	12.5 v	✓
Tape Advance	24 hrs	✓	RH Setpoint	45%	✓	Std Cond Temp	25 C	—
Realtime Avg	60 mins	✓	Delta T Setpoint	15 C	✓	DAC	8.0 v	✓
Machine Type	PM-10	✓	RH Control	On	✓	RH Connect	No	✓
Analog FS	1.0 v	✓	Flow Setpoint	16.7	✓	Pump Protect	Off	✓

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1 No new messages	6/30/24	1145	4		
2			5		
3			6		

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-4 Serial # X16067

Audit Date: 4/28/26 Audited By : TSWilliford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 4/7/2026

Leak Check Value: as found: 0.5 as left: 0.5

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	21.3 °C	20.5 °C	as left:	21.3 °C	20.5 °C
Barometric Pressure:	as found:	707.2 mmHg	707.2 mmHg	as left:	707.2 mmHg	707.2 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	17.03 lpm	as left:	16.7 lpm	17.03 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.06 lpm	as left:	14.0 lpm	14.06 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.81 lpm	as left:	17.5 lpm	17.81 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.950	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.956			
Difference (mg/cm2) : 0.006			
% Difference / Pass or Fail: 0.63 %	14.2	413.8	Marginal

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1142	1142	Analog Mode	Hourly	✓	Flow Type	Actual	✓
Location	4	4	Baud Rate	9600	✓	Restart Voltage	12.5 v	✓
Tape Advance	24 hrs	✓	RH Setpoint	45%	✓	Std Cond Temp	25 C	✓
Realtime Avg	60 mins	✓	Delta T Setpoint	15 C	✓	DAC	8.0 v	✓
Machine Type	PM-10	✓	RH Control	On	✓	RH Connect	No	✓
Analog FS	1.0 v	✓	Flow Setpoint	16.7	✓	Pump Protect	Off	✓

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1 No new messages	4/28/26	1151	4		
2			5		
3			6		

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-4 Serial # X160067

Audit Date: 5/29/26 Audited By : Tom Mifford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 4/7/2026

Leak Check Value: as found: 0.50 as left: 0.50

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	16.3 °C	16.1 °C	as left:	16.3 °C	16.1 °C
Barometric Pressure:	as found:	711.9 mmHg	711.9 mmHg	as left:	711.9 mmHg	711.9 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.74 lpm	as left:	16.7 lpm	16.7 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.01 lpm	as left:	14.0 lpm	14.0 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.58 lpm	as left:	17.5 lpm	17.5 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.950	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.957			
Difference (mg/cm2) : 0.007			
% Difference / Pass or Fail: 0.73%	14.7	409.3	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	0926	0926	Analog Mode	Hourly	✓	Flow Type	Actual	✓
Location	4	4	Baud Rate	9600	✓	Restart Voltage	12.5 v	✓
Tape Advance	24 hrs	✓	RH Setpoint	45%	✓	Std Cond Temp	25 C	✓
Realtime Avg	60 mins	✓	Delta T Setpoint	15 C	✓	DAC	8.0 v	✓
Machine Type	PM-10	✓	RH Control	On	✓	RH Connect	No	✓
Analog FS	1.0 v	✓	Flow Setpoint	16.7	✓	Pump Protect	Off	✓

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1 No new Messages	5/29/26	0941	4		
2			5		
3			6		

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-4 Serial # X16067

Audit Date: ~~6/30~~ 6/30/26 Audited By: TSWilliford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 4/7/2026

Leak Check Value: as found: 0.50 as left: 0.50

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	23.6 °C	22.4 °C	as left:	23.6 °C	22.4 °C
Barometric Pressure:	as found:	704.8 mmHg	704.7 mmHg	as left:	704.8 mmHg	704.7 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.72 lpm	as left:	16.7 lpm	16.72 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.07 lpm	as left:	14.0 lpm	14.07 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.61 lpm	as left:	17.5 lpm	17.61 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test		Pump Test		
Expected Span Mass (mg/cm2) :	0.950	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) :	0.958			
Difference (mg/cm2) :	0.008			
% Difference / (Pass) or Fail:	0.84%	14.6	402.6	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1249	1249	Analog Mode	Hourly	✓	Flow Type	Actual	✓
Location	4	4	Baud Rate	9600	✓	Restart Voltage	12.5 v	✓
Tape Advance	24 hrs	✓	RH Setpoint	45%	✓	Std Cond Temp	25 C	✓
Realtime Avg	60 mins	✓	Delta T Setpoint	15 C	✓	DAC	8.0 v	✓
Machine Type	PM-10	✓	RH Control	On	✓	RH Connect	No	✓
Analog FS	1.0 v	✓	Flow Setpoint	16.7	✓	Pump Protect	Off	✓

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1 No new Messages	6/30/26	1258	4		
2			5		
3			6		

Audit Notes: