



The Boeing Company  
Santa Susana Field Laboratory  
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Via FedEx

May 15, 2023

In reply refer to SHEA-116523

Information Technology Unit  
Los Angeles Regional Water Quality Control Board  
320 West 4th Street, Suite 200  
Los Angeles, California 90013

Subject: First Quarter 2023 NPDES Discharge Monitoring Report  
Compliance File CI-6027 and NPDES No. CA0001309  
Santa Susana Field Laboratory  
Ventura County, California

The Boeing Company (Boeing) hereby submits this Discharge Monitoring Report (DMR) for the Santa Susana Field Laboratory (Santa Susana Site) for the period of January 1 through March 31 (First Quarter 2023). This DMR was prepared as required by, and in accordance with the National Pollutant Discharge Elimination System Permit No. CA0001309 (NPDES Permit) issued by the Los Angeles California Regional Water Quality Control Board (Regional Board) in 2015. The NPDES Permit covers the entire Santa Susana Site, which includes approximately 2,400 acres owned by Boeing, approximately 450 acres owned by the United States and administered by the National Aeronautics and Space Administration (NASA), and approximately 472 acres of Boeing's land for which the Department of Energy (DOE) has assumed responsibility for soil remediation.

An electronic version of this DMR is located at: <http://www.boeing.com/principles/environment/santa-susana/monitoring-reports.page>

#### FIRST QUARTER 2023 DMR CONTENTS

This DMR includes the following sections and appendices:

- **Discharge and Sample Collection Summary:** This section describes the number of rain events, the number of samples collected, sample dates, and sample locations during the First Quarter 2023.
- **Table I** summarizes the First Quarter 2023 sampling record by outfall or location, sample frequency, and sample type collected per the requirements of the NPDES Permit.
- **Summary of Exceedances and/or Non-Compliance:** This section summarizes the First Quarter 2023 sample results that exceeded NPDES Permit Limits, Benchmarks, and Receiving Water Limits, and the potential causes thereof.
- **Stormwater Treatment System at Outfall 011 Activities:** This section summarizes the First Quarter 2023 activities at the stormwater treatment system (SWTS) at Outfall 011.
- **Stormwater Treatment System at Outfall 018 Activities:** This section summarizes the First Quarter 2023 activities at the SWTS at Outfall 018.
- **Stormwater Pollution Prevention Plan/Best Management Practice Activities:** This section presents the Santa Susana Site-Wide Stormwater Pollution Prevention Plan (SWPPP) and Best Management

Practice (BMP)-related activities implemented in the First Quarter 2023 as well as activities associated with NASA, DOE, the Stormwater Expert Panel (Expert Panel), NASA and Boeing BMP Monitoring-related activities, the Northern Drainage, the Outfall 001/002 BMP Compliance Report, and Other BMP Activities. Table II summarizes typical BMP-related activities that occur at outfalls every quarter. Table III summarizes specific SWPPP/BMP activities completed during the First Quarter 2023 by location. Table IV summarizes activities completed in coordination with the Expert Panel during the First Quarter 2023.

- **Reasonable Potential Analysis:** This section discusses the results of the analysis.
- **Figure 1** shows the stormwater collection and conveyance system, the Bell Creek Receiving Water sampling location (RSW-001, Outfall 002), and Santa Susana Site features; **Figure 2** shows the Arroyo Simi Receiving Water sampling location (RSW 002, Frontier Park) and upstream monitoring location.
- **Appendix A** summarizes the rainfall measured at the Santa Susana Site during the First Quarter 2023.
- **Appendix B** tabulates waste shipments during the First Quarter 2023.
- **Appendix C** presents chemical analytical results from the First Quarter 2023 stormwater and/or receiving water sample discharge monitoring in tabular form by sampling locations, constituents evaluated (analytes), sample dates, and data validation qualifiers.
- **Appendix D** summarizes the NPDES Permit limit, benchmark, and Receiving Water limit exceedances.
- **Appendix E** contains copies of the laboratory analytical reports, chain-of-custody forms, and data validation reports (if validation was performed).
- **Appendix F** tabulates the Reasonable Potential Analysis.
- **Appendix G** presents laboratory methods, reporting limits, method detection limits, quality assurance and quality control (QA/QC) procedures, and State Water Resources Control Board (SWRCB) Environmental Laboratory Accreditation Program (ELAP) renewal certifications for all laboratories.
- **Appendix H** presents the observations of the receiving water monitoring program required by the NPDES Permit and includes the Arroyo Simi, Bell Creek, and Dayton Canyon surveys.

## DISCHARGE AND SAMPLE COLLECTION SUMMARY

The Santa Susana Site had ten qualifying rain events during the First Quarter 2023 that measured greater than 0.1 inch of rainfall within a 24-hour period and were preceded by at least 72 hours of dry weather (Appendix A). One of the ten rain events produced seven days of rainfall without an interval of 72 hours of dry weather and additional samples were collected during this extended event. Automated flow-weighted composite samplers (autosamplers) were set in preparation for all rain events and following the seven days of near-continuous rainfall. All ten qualifying rain events produced stormwater discharges. Stormwater samples were collected at Outfalls 001, 002, 008, 009, 010, 011, and 018 in one or more rain events or stormwater treatment system discharge events this quarter. There were no changes in the discharge as described in the NPDES Permit during the reporting period.

In addition to outfall sampling, receiving water samples were collected. An offsite receiving water sample was collected at the Arroyo Simi location (RSW-002, Frontier Park; see Figure 2) and an onsite receiving water sample was collected at the Bell Creek location (RSW-001, Outfall 002, see Figure 1). Four additional offsite receiving water grab samples were collected at both the Arroyo Simi-Frontier Park and Bell Creek locations to calculate the geometric mean in compliance with the Receiving Water Requirements in Attachment E of the NPDES Permit.

Table I — found in the enclosures — summarizes the First Quarter 2023 sampling record by outfall or location, sample frequency, and sample type collected per NPDES Permit requirements, and results are included in Appendix C.

All analyses were conducted at analytical laboratories certified by the SWRCB for such analyses (i.e., all have current certification from the ELAP established by the California Environmental Laboratory Improvement Act) or have been approved by the SWRCB Executive Officer in accordance with current U.S. Environmental Protection Agency (EPA) guideline procedures or as specified in the NPDES Permit. Laboratory analytical reports, including validation reports and notes (if validation was performed), are included in Appendix E. Attachment H of the NPDES Permit presents the SWRCB's minimum levels laboratories are expected to achieve for reporting and determining compliance with NPDES Permit limits. The analytical laboratory achieved these minimum levels in the First Quarter 2023 except when reporting limits were above the minimum levels (generally because of matrix interference). In cases where the NPDES Permit limit was less than the reporting limit and minimum level, or there was no minimum level specified in the NPDES Permit, the reporting limit was used to determine compliance.

## FIRST QUARTER 2023 SUMMARY OF EXCEEDANCES AND/OR NON-COMPLIANCE

As summarized in Appendix D, the First Quarter 2023 exceedances of Daily Maximum benchmarks, Daily Maximum Permit limits, Receiving Water limits, or other non-compliance included:

- Iron Outfall 001;
- Iron at Outfall 002;
- TCDD TEQ at Outfall 010;
- Iron, manganese, and TCDD TEQ at Outfall 011;
- *Escherichia coli* (*E. coli*) at Arroyo Simi – Frontier Park (RSW-002); and
- *E. coli* at Bell Creek (RSW-001).

### Outfall 001

#### Metals: Iron

On 6 and 15 January 26 February, and 11 March 2023, stormwater samples were collected from Outfall 001. Iron was detected at 0.83, 3.6, 3.7, and 1.9 milligrams per liter (mg/L), respectively, above the Daily Maximum Benchmark of 0.3 mg/L.

Boeing believes the higher iron concentrations at Outfall 001 during the First Quarter 2023 are attributable to natural soils. This conclusion is consistent with the findings in prior site studies conducted by the Stormwater Expert Panel, which confirmed that iron is naturally occurring in site soils unrelated to former industrial operations and was based on the methods for multiple lines of evidence discussed in the Expert Panel Annual Report.

### Outfall 002

#### Metals: Iron

On 2, 6, and 15 January 2023, stormwater samples were collected from Outfall 002. Iron was detected at 0.86, 0.93, and 1.3 mg/L, respectively, above the Daily Maximum Benchmark of 0.3 mg/L.

The industrial areas upstream of Outfall 002 are monitored at Outfall 018. Given the absence of metals exceedances at Outfall 018 and because the property in the watershed between Outfall 018 and Outfall 002 similarly lacks industrial materials, equipment, activities, or developed areas, Boeing believes that the higher iron concentration at Outfall 002 during the First Quarter 2023 is attributable to natural background concentrations of iron. This conclusion is consistent with the findings in prior site studies conducted by the Stormwater Expert Panel, which confirmed that iron is naturally occurring in site soils unrelated to former industrial operations and was based on methods for multiple lines of evidence discussed in the Expert Panel Annual Report.



**Outfall 010***Dioxins (TCDD) Toxic Equivalent (TEQ)*

On 11 January 2023, TCDD TEQ was calculated in a stormwater sample collected from Outfall 010 at 4.6E-08 microgram per liter ( $\mu\text{g/L}$ ), which is above the Daily Maximum Benchmark of 2.8E-08  $\mu\text{g/L}$ .

Boeing believes the elevated dioxin concentration at Outfall 010 during the First Quarter 2023 is likely attributable to non-industrial sources, such as pavement and soils adjacent to telephone/utility poles (treated wood). This conclusion is consistent with the findings in prior site studies conducted by the Stormwater Expert Panel based on methods discussed in the Expert Panel Annual Report, which uses multiple lines of evidence including particulate strengths, fingerprinting methods, spatial patterns, and material inventory to identify the likely sources of TCDD TEQ in samples exceeding permit limits. The Expert Panel will evaluate this exceedance in their 2023 Annual Report.

**Outfall 011***Metals: Iron and Manganese*

On 17 January, 25 February, and 16 March 2023, stormwater samples were collected from Outfall 011. Iron was detected at 0.78, 4.0 and 3.2 mg/L, respectively, above the Daily Maximum Permit Limit of 0.3 mg/L. On 10 January and 25 February 2023, manganese was detected at 61 and 79  $\mu\text{g/L}$ , respectively, above the Daily Maximum Permit Limit of 50  $\mu\text{g/L}$ . Additionally, iron was calculated with mass loading of 570 pounds per day (lbs/day), above the mass-based Daily Maximum Permit Limit of 295 lbs/day.

Boeing believes the higher iron and manganese concentrations at Outfall 011 during the First Quarter 2023 are attributable to natural soils. This conclusion is consistent with the findings in prior site studies conducted by the Stormwater Expert Panel, which confirmed that manganese and iron are naturally occurring in site soils unrelated to former industrial operations and was based on methods for multiple lines of evidence discussed in the Expert Panel Annual Report.

*Dioxins (TCDD) Toxic Equivalent (TEQ)*

On 25 February 2023, TCDD TEQ was calculated in a stormwater sample collected from Outfall 011 at 5.8E-08  $\mu\text{g/L}$ , which is above the Daily Maximum Benchmark of 2.8E-08  $\mu\text{g/L}$ .

Boeing believes the elevated dioxin concentration at Outfall 011 during the First Quarter 2023 is likely attributable to non-industrial sources, such as pavement and soils adjacent to telephone/utility poles (treated wood). This conclusion is consistent with the findings in prior site studies conducted by the Stormwater Expert Panel based on methods discussed in the Expert Panel Annual Report, which uses multiple lines of evidence including particulate strengths, fingerprinting methods, spatial patterns, and material inventory to identify likely sources of TCDD TEQ in samples exceeding permit limits. The Expert Panel will evaluate this exceedance in their 2023 Annual Report.

**Arroyo Simi – Frontier Park (RSW-002)***Bacteria*

On 1, 3, 9, 13, and 17 January 2023, *E. coli* were detected at 31,000, 2,400, 4,400, 12,000, and 1,200 most probable number per 100 milliliters (MPN/100mL), respectively, in samples collected offsite at the Arroyo Simi – Frontier Park (RSW-002) location, approximately four miles downstream of Outfall 009. Bacteria in these five samples were detected above the single sample maximum receiving water limit of 235 MPN/100mL. These samples were used to calculate the geometric mean for *E. coli*. The calculated geometric mean for *E. coli* of 5,428 MPN/100mL was above the geometric mean receiving water limit of 126 MPN/100mL.

On 1 January 2023, a stormwater sample was collected from Outfall 009 and subsequently analyzed for human specific *Bacteroides* to determine whether bacteria present in this sample were likely from human sources. Laboratory analysis reported human specific markers were present at very low levels (below the limit of detection). Boeing collects all sanitary waste generated at the Santa Susana Site and transports it to an offsite facility for treatment and disposal, such that sanitary waste is not considered an active source of bacteria at the Site. Boeing believes that the *E. coli* detected at Arroyo Simi – Frontier Park (RSW-002) originated from wildlife.

**Bell Creek – (RSW-001)***Bacteria*

On 1, 4, and 5 January 2023, *E. coli* were detected at 490, 240, and 520 MPN/100mL, respectively, in samples collected at the Bell Creek receiving water location (Outfall 002, RSW-001). Bacteria counts in these three samples were above the single sample maximum receiving water limit of 235 MPN/100mL. Two additional samples were collected at the Bell Creek (RSW-001) location on January 3 and 6, and all five samples were used to calculate the geometric mean for *E. coli*. The calculated geometric mean for *E. coli* of 246 MPN/100mL was above the geometric mean receiving water limit of 126 MPN/100mL.

On 1 January 2023, a stormwater sample was collected from Outfall 002 and subsequently analyzed for human specific *Bacteroides* to determine whether bacteria present in this sample were likely from human sources. Laboratory analysis reported human specific markers were not present in the sample from Outfall 002. Boeing believes that the *E. coli* detected at Outfall 002 originated from wildlife.

## STORMWATER TREATMENT SYSTEM AT OUTFALL 011 ACTIVITIES

The SWTS located near R-1 Pond (SWTS 011) discharges through Outfall 011. In addition to maintenance of electrical systems, painting, and improving safety, the following activities were completed in the First Quarter 2023 as follows:

- Replaced the overloads for P-101 and P-102;
- Installed a new submersible pump for the Wier Tank;
- Installed a new peristaltic pump for Sodium Box 2;
- Replaced the peristaltic pump for Sodium Box 3;
- Replaced the belt for air compressor AC-101; and
- Tightened the belts on the influent pump P-102.

SWTS 011 operated four times during the First Quarter 2023. Operational data are summarized below:

### 1st Operational Event:

- The SWTS operated from 8 through 13 January 2023, and discharged for approximately 128 hours; and
- The total amount of water treated and discharged from R-1 Pond was 5,655,600 gallons.

### 2nd Operational Event:

- The SWTS operated from 15 through 20 January 2023, and discharged for approximately 108 hours; and
- The total amount of water treated and discharged from R-1 Pond was 5,486,300 gallons.

### 3rd Operational Event:

- The SWTS operated from 24 February through 3 March 2023, and discharged for approximately 154 hours; and
- The total amount of water treated and discharged from R-1 Pond was 6,752,200 gallons.

### 4th Operational Event:

- The SWTS operated from 14 through 27 March 2023, and discharged for approximately 306 hours; and
- The total amount of water treated and discharged from R-1 Pond was 12,679,600 gallons.

The solids generated by operation of SWTS 011 will be reported in the Second Quarter 2023 DMR.

## STORMWATER TREATMENT SYSTEM AT OUTFALL 018 ACTIVITIES

The SWTS located at Silvernale Pond (SWTS 018) discharges through Outfall 018. In addition to maintenance of electrical systems, painting, and improving safety, the following activities were completed in the First Quarter 2023 as follows:

- Installed new submersible pumps in Wier Tank 1 and Wier Tank 2;
- Plumbed in a temporary sludge pump for the Plate Settler;
- Replaced the peristaltic pump tubes for the potassium permanganate and sodium hydroxide pumps;
- Installed a new mixer motor for the potassium permanganate chemical tank;
- Replaced the injection quill for the hydrochloric acid in Box 2;
- Replaced the polymer pump and starter contact for the Screw Press; and
- Replaced the belts for the air compressors.

SWTS 018 operated three times during the First Quarter 2023. Operational data are summarized below:

### 1st Operational Event:

- The SWTS operated from 4 through 23 January 2023, and discharged for approximately 399 hours; and
- The total amount of water treated and discharged from Silvernale Pond was 26,733,200 gallons.

### 2nd Operational Event:

- The SWTS operated from 24 February through 7 March 2023, and discharged for approximately 274 hours; and
- The total amount of water treated and discharged from Silvernale Pond was 19,572,900 gallons.

### 3rd Operational Event:

- The SWTS operated from 13 March through 2 April 2023, and discharged for approximately 477 hours; and
- The total amount of water treated and discharged from Silvernale Pond was 34,166,500 gallons.

The solids generated by operation of SWTS 018 will be reported in the Second Quarter 2023 DMR.

**STORMWATER POLLUTION PREVENTION PLAN/BEST MANAGEMENT PRACTICE ACTIVITIES**

**Boeing-Related Activities**

Boeing implemented BMP activities in compliance with the Site-wide SWPPP (Haley & Aldrich, 2022) to assist in improving stormwater quality and compliance at the Santa Susana Site. Table II summarizes typical BMP-related activities that occur at outfalls every quarter.

**TABLE II: Routine Quarterly Outfall BMP Activities**

BMP Activities	Outfalls												
	001	002	003	004	005	006	007	008	009	010	011	018	
Conducted erosion and sediment control, and drainage stabilization inspections and performed maintenance around the perimeter of the outfall, the drainage/watershed, and areas of disturbance or sparse vegetation.	X	X	X	X	X	X	X	X	X	X	X	X	X
Inspected the flume for sediment/debris.	X	X	X	X	N/A	X	N/A	X	X	X	N/A	X	
Inspected the weir for sediment/debris.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	X	N/A	
Cleaned the sample box of sediment and debris, checked for the presence of animals, and performed weed abatement as needed.	X	X	X	X	X	X	X	X	N/A	X	X	X	
Checked the flow meter control box for the presence of debris and/or animals.	X	X	X	X	N/A	X	N/A	X	X	X	X	X	
Cleaned the outfall area of sediment and debris and performed weed abatement as needed.	X	X	X	X	X	X	X	X	X	X	X	X	
Reset the flow meter and replaced the tape monthly (if equipped).	X	X	X	X	N/A	X	N/A	X	X	X	X	X	
Conducted maintenance inspections of the stormwater conveyance system.	N/A	N/A	X	X	X	X	X	N/A	N/A	X	X	X	
Conducted maintenance inspections of the stormwater retention system.	N/A	N/A	X	X	X	X	X	N/A	N/A	X	X	X	
Conducted maintenance inspections of the flow-through structure.	N/A	N/A	X	X	N/A	X	N/A	N/A	N/A	X	X	N/A	

**Notes:**

X = BMP activity is applicable to the Outfall and was completed in First Quarter 2023.

N/A = BMP activity is not applicable to the outfall because the outfall does not have a flume, sample box, flow meter, retention system, or flow-through structure or is not part of the stormwater conveyance system.

Table III summarizes the additional activities completed during the First Quarter 2023 by outfall or BMP location.

**TABLE III: Additional First Quarter 2023 SWPPP/BMP Activities**

Outfall, Watershed, BMP, or Other Location	SWPPP/BMP Activities During First Quarter 2023
002	<ul style="list-style-type: none"> <li>– Removed debris from the bridge and flume.</li> <li>– Repaired the Autosampler strainer.</li> </ul>
003	<ul style="list-style-type: none"> <li>– Removed debris from the check valve.</li> </ul>
004	<ul style="list-style-type: none"> <li>– Installed a new check valve on the discharge line of the conveyance pump.</li> <li>– Installed a bypass to allow the Charles King pump to operate as the primary pump.</li> </ul>
005	<ul style="list-style-type: none"> <li>– Repaired the roadway.</li> </ul>
006	<ul style="list-style-type: none"> <li>– Repaired the roadway.</li> </ul>
008	<ul style="list-style-type: none"> <li>– Replaced the inline fuse for the solar panels controlling the Autosamplers.</li> </ul>
011	<ul style="list-style-type: none"> <li>– Installed a new propeller meter for the Charles King line.</li> </ul>
Perimeter Pond	<ul style="list-style-type: none"> <li>– Replaced the recirculation valve for SWTS011 for Perimeter Pond.</li> <li>– Replaced the air release vent on the conveyance pump.</li> <li>– Installed a new drain valve on the conveyance pump.</li> </ul>
R-2A Pond	<ul style="list-style-type: none"> <li>– Repaired the flow meter on the conveyance line pumps.</li> <li>– Removed branches and debris from the spillway.</li> </ul>
Helipad	<ul style="list-style-type: none"> <li>– Removed sediment from the check structure on the lower Helipad Road.</li> </ul>

In addition to Site-wide SWPPP-related activities, specific BMP projects included: NASA, DOE, and Expert Panel activities. These are discussed in more detail below.

**NASA-Related Activities**

Demolition BMPs and stormwater activities covered by NASA’s Construction SWPPP for the Bravo area continue to be inspected and maintained in accordance with the Construction General Permit (CGP; NASA, 2021). During the First Quarter 2023, NASA maintained fiber rolls as perimeter and linear sediment controls in areas within these sites where construction activities have been completed.

**DOE-Related Activities**

DOE reported no BMP-related activities during the First Quarter 2023.

**Expert Panel-Related Activities**

The BMP activities discussed below were performed, commenced, or completed during the First Quarter 2023 in coordination with the Expert Panel.

**TABLE IV: Expert Panel-Related First Quarter 2023 Activities**

Outfall, Watershed, BMP, or Other Location	Activities During First Quarter 2023
Culvert Modifications (CM)	– Performed BMP Inspections.
NASA Expendable Launch Vehicle (ELV) Area BMPs	– Performed BMP Inspections.
Well 13 Road	– Performed BMP Inspections.
B-1 Area	– Performed BMP Inspections.
Upper Parking Lot Media Filter	– Performed BMP Inspections.
Former Building 1436 Detention Bioswales	– Performed BMP Inspections.
Lower Lot Biofilter (Sedimentation Basin and Biofilter)	– Performed BMP Inspections. – Pumped approximately 4,732,700 gallons of stormwater from the cistern to the sedimentation basin during the First Quarter 2023.
Administration Area Inlet Filters	– Performed BMP Inspections.
Former Shooting Range	– Performed BMP Inspections. – Removed sediment buildup from the upper check structures. – Repaired the silt material covering the sandbags at the opening of the silt fence. – Removed spent wattles and installed new wattles by the entrance to Sage Ranch. – Repaired the small silt fence section to the north of the main fence line.
Northern Drainage BMPs	– Performed BMP Inspections.
NASA and Boeing BMP Monitoring-Related Activities	– In addition to activities performed in coordination with the Expert Panel described above, BMP performance monitoring samples were collected in the watersheds associated with Outfalls 001 and 009 during the First Quarter 2023. These sampling results will be reported by the Expert Panel in their 2023 Annual Report.

**Other BMP Activities**

BMP observations and maintenance inspections were conducted in conformance with the Site-wide SWPPP (Haley & Aldrich, 2022) at and around the former test stands Alfa and Bravo and former Advanced Propulsion Test Facility (APTF).



## REASONABLE POTENTIAL ANALYSIS

Stormwater discharges from the Santa Susana Site occurred at Outfalls 001, 002, 008, 009, 010, 011, and 018 during the First Quarter 2023. Analytical results from this quarter were added to the Reasonable Potential Analysis (RPA) dataset for constituents not already regulated under the current NPDES Permit. The result from this analysis is discussed below and is provided in Appendix F.

### Outfalls 001 and 009 *E. Coli*

On 5 January 2023, *E. coli* were detected in a stormwater sample collected from Outfall 001 at 650 MPN/100mL. On 1 January 2023, *E. coli* were detected in a stormwater sample collected from Outfall 009 at 250 MPN/100mL. Samples from Outfalls 001 and 009 were subsequently analyzed for human specific *Bacteroides* to determine whether bacteria present in the samples were likely from human sources. Laboratory analysis reported human-specific markers were not present in the sample from Outfall 001 and were present at very low levels (below the limit of detection) in the sample from Outfall 009. Boeing collects all sanitary waste generated at the Santa Susana Site and transports it to an offsite facility for treatment and disposal, such that sanitary waste is not considered an active source of bacteria at the Site. Boeing believes that the *E. coli* detected at Outfalls 001 and 009 originated from wildlife.

Boeing believes that the analytical results for the First Quarter 2023 did not trigger a reasonable potential for constituents not already regulated under the current NPDES Permit.

## CONCLUSIONS

The seasonal rainfall levels were the highest on record at the Santa Susana Site going back to 1960. A total of 36.17 inches of rain was recorded at the Area 1 weather station during First Quarter 2023 which is over twice the average annual rainfall of 17.70 inches per year. In a year with high-rainfall, high-intensity events, including a 25-year rain event, all detected exceedances are likely attributable to background or non-industrial sources, which is consistent with the research and conclusions of the Stormwater Expert Panel. In addition, the analytical results for the First Quarter 2023 did not trigger a reasonable potential for constituents not already regulated under the current NPDES Permit. The Expert Panel is reviewing the data collected and will make BMP and monitoring recommendations that will be communicated in the Expert Panel's 2023 Annual Report.

Boeing is committed to fulfilling the requirements of the NPDES Permit and continues to implement, maintain, and monitor wide-ranging control practices intended to improve water quality at stormwater discharge locations at the Santa Susana Site through methods designed to preserve the natural conditions in the watershed to the maximum extent feasible by implementing distributed, sustainable erosion control/restoration measures.

## FACILITY CONTACT

If there are any questions regarding this report or its enclosures, you may contact Mr. Jeffrey Wokurka of Boeing at (818) 466-8800.

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on the 15 May 2023 at The Boeing Company, Seal Beach, California Site.

Sincerely,



Kim O'Rourke  
Global Remediation and Due Diligence Program Manager  
Global Enterprise Sustainability – Environment

**Enclosures:**

## References

Table I - Sampling Record during the First Quarter 2023

Figure 1 – Site Map with Stormwater Collection and Conveyance System and Site Features

Figure 2 – Arroyo Simi Receiving Water (RSW-002, Frontier Park) Sampling Location and Upstream Monitoring Point

Appendix A – First Quarter 2023 Rainfall Data Summary

Appendix B – First Quarter 2023 Waste Shipment Summary Tables

Appendix C – First Quarter 2023 Discharge Monitoring Data Summary Tables

Appendix D – First Quarter 2023 NPDES Permit Limit Exceedances and/or Non-Compliance

Appendix E – First Quarter 2023 Analytical Laboratory Reports, Chain of Custody Forms, and Validation Reports

Appendix F – First Quarter 2023 Reasonable Potential Analysis Tables

Appendix G – First Quarter 2023 Analytical Laboratory Methods, Method Detection Limits, Reporting Limits, QA/QC Procedures, and ELAP Certifications

Appendix H – First Quarter 2023 Receiving Water Surveys

c: Los Angeles Regional Water Quality Control Board; Attn: Mr. Duong H. Trinh  
Los Angeles Regional Water Quality Control Board; Attn: Ms. Bronwyn Kelly

## REFERENCES

1. California Regional Water Quality Control Board, Los Angeles Region, 2015. Waste Discharge Requirements for The Boeing Company, Santa Susana Field Laboratory (Order No. R4-2015-0033, NPDES No. CA0001309). 12 February.
2. Geosyntec and the Expert Panel, 2020. Santa Susana Field Laboratory Site-wide Stormwater Annual Report, 2019/20 Reporting Year, Ventura County, California (NPDES No. CA0001309, CI No.6027). October.
3. Haley & Aldrich, Inc., 2022. Stormwater Pollution and Prevention Plan (Version 9 for Compliance with 2015 NPDES Permit). 16 December.
4. National Aeronautics and Space Administration, 2021. Stormwater Pollution and Prevention Plan for the Pacific Region MATOC FY21 Facilities Reduction Program at the NASA Santa Susana Field Laboratory (Phase 5 – Bravo Test Area Demolition), Ventura County, California. July.

## TABLES

**TABLE I  
SAMPLING RECORD DURING THE FIRST QUARTER 2023**

**THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through March 31, 2023**

<b>DATE (GRAB)</b>	<b>DATE (COMPOSITE)</b>	<b>OUTFALL/LOCATION</b>	<b>SAMPLE FREQUENCY</b>	<b>SAMPLE TYPE</b>
1/1, 1/9, 1/21, 2/24/2023	NA	Arroyo Simi Receiving Water (RSW-002, Frontier Park)	Annual, Quarterly Surface Water, 1/5 years	Grab
1/1/2023	NA	Arroyo Simi Receiving Water (RSW-002, Frontier Park)	Geometric Mean	Grab
1/1/2023	1/2/2023	Outfall 002	Annual, Quarterly, Routine, Toxicity, Species Sensitivity	Grab, Composite
1/1/2023	NA	Outfall 002 (RSW-001)	Geometric Mean	Grab
1/1/2023	1/2/2023	Outfall 009	Annual, Semiannual, Routine, Toxicity	Grab, Composite
1/3/2023	NA	Arroyo Simi Receiving Water (RSW-002, Frontier Park)	Geometric Mean	Grab
1/3/2023	NA	Outfall 002 (RSW-001)	Geometric Mean	Grab
1/4/2023	1/6/2023	Outfall 018	Annual, Quarterly, Routine, Toxicity	Grab, Composite
1/4/2023	NA	Outfall 002 (RSW-001)	Geometric Mean	Grab
1/5/2023	1/6/2023	Outfall 001	Annual, Quarterly, Routine, Toxicity	Grab, Composite
1/5/2023	1/6/2023	Outfall 002 (RSW-001)	Routine, Geometric Mean	Grab, Composite
1/5/2023	1/6/2023	Outfall 008	Annual, Routine, Toxicity	Grab, Composite
1/6/2023	NA	Outfall 002 (RSW-001)	Geometric Mean	Grab
1/8/2023	1/10/2023	Outfall 011	Annual, Quarterly, Routine, Toxicity	Grab, Composite
1/9/2023	NA	Arroyo Simi Receiving Water (RSW-002, Frontier Park)	Geometric Mean	Grab
1/9/2023	1/11/2023	Outfall 001	Routine, Toxicity	Grab, Composite
1/9/2023	1/10/2023	Outfall 002	Routine, Toxicity	Grab, Composite
1/9/2023	1/11/2023	Outfall 008	Routine, Toxicity	Grab, Composite
1/9/2023	1/10/2023	Outfall 009	Routine, Toxicity	Grab, Composite
1/9/2023	1/11/2023	Outfall 018	Routine, Toxicity	Grab, Composite
1/10/2023	1/11/2023	Outfall 010	Annual, Semiannual, Routine, Toxicity	Grab, Composite
1/13/2023	NA	Arroyo Simi Receiving Water (RSW-002, Frontier Park)	Geometric Mean	Grab
1/14/2023	1/15/2023	Outfall 001	Routine	Grab, Composite
1/14/2023	1/15/2023	Outfall 002	Routine	Grab, Composite
1/14/2023	1/15/2023	Outfall 008	Routine	Grab, Composite

**TABLE I  
SAMPLING RECORD DURING THE FIRST QUARTER 2023**

**THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through March 31, 2023**

<b>DATE (GRAB)</b>	<b>DATE (COMPOSITE)</b>	<b>OUTFALL/LOCATION</b>	<b>SAMPLE FREQUENCY</b>	<b>SAMPLE TYPE</b>
1/14/2023	1/15/2023	Outfall 009	Routine	Grab, Composite
1/14/2023	1/15/2023	Outfall 018	Routine	Grab, Composite
1/15/2023	1/17/2023	Outfall 011	Routine, Toxicity	Grab, Composite
1/17/2023	NA	Arroyo Simi Receiving Water (RSW-002, Frontier Park)	Geometric Mean	Grab
1/20/2023	1/20/2023	Outfall 001	Routine	Grab
1/20/2023	1/21/2023	Outfall 002	Routine	Grab, Composite
1/20/2023	1/21/2023	Outfall 008	Routine	Grab, Composite
1/20/2023	1/21/2023	Outfall 009	Routine	Grab, Composite
1/20/2023	1/20/2023	Outfall 011	Routine	Grab
1/20/2023	1/21/2023	Outfall 018	Routine	Grab, Composite
1/30/2023	1/31/2023	Outfall 002	Routine	Grab, Composite
1/30/2023	1/31/2023	Outfall 009	Routine	Grab, Composite
2/23/2023	2/24/2023	Outfall 002	Routine	Grab, Composite
2/24/2023	2/25/2023	Outfall 009	Routine	Grab, Composite
2/24/2023	2/26/2023	Outfall 018	Routine	Grab, Composite
2/25/2023	2/26/2023	Outfall 001	Routine	Grab, Composite
2/25/2023	2/25/2023	Outfall 008	Routine	Grab, Composite
2/25/2023	2/25/2023	Outfall 011	Routine, Toxicity	Grab, Composite
3/3/2023	3/4/2023	Outfall 002	Routine, 7-Day	Grab, Composite
3/4/2023	3/5/2023	Outfall 001	Routine, 7-Day	Grab, Composite
3/4/2023	3/5/2023	Outfall 009	Routine, 7-Day	Grab, Composite
3/4/2023	3/5/2023	Outfall 018	Routine, 7-Day	Grab, Composite
3/5/2023	3/6/2023	Outfall 008	Routine, 7-Day	Grab, Composite
3/6/2023	3/7/2023	Outfall 001	Routine	Grab, Composite
3/6/2023	3/7/2023	Outfall 002	Routine	Grab, Composite

**TABLE I  
SAMPLING RECORD DURING THE FIRST QUARTER 2023**

**THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**January 1 through March 31, 2023**

<b>DATE (GRAB)</b>	<b>DATE (COMPOSITE)</b>	<b>OUTFALL/LOCATION</b>	<b>SAMPLE FREQUENCY</b>	<b>SAMPLE TYPE</b>
3/6/2023	3/7/2023	Outfall 008	Routine	Grab, Composite
3/6/2023	3/7/2023	Outfall 009	Routine	Grab, Composite
3/6/2023	3/7/2023	Outfall 018	Routine	Grab, Composite
3/10/2023	3/11/2023	Outfall 001	Routine	Grab, Composite
3/10/2023	3/11/2023	Outfall 002	Routine	Grab, Composite
3/10/2023	3/11/2023	Outfall 008	Routine	Grab, Composite
3/10/2023	3/11/2023	Outfall 009	Routine	Grab, Composite
3/13/2023	3/16/2023	Outfall 018	Routine	Grab, Composite
3/14/2023	3/16/2023	Outfall 011	Routine	Grab, Composite
3/20/2023	3/21/2023	Outfall 001	Routine	Grab, Composite
3/20/2023	3/21/2023	Outfall 002	Routine	Grab, Composite
3/20/2023	3/21/2023	Outfall 008	Routine	Grab, Composite
3/20/2023	3/21/2023	Outfall 009	Routine	Grab, Composite
3/20/2023	3/21/2023	Outfall 011	Routine	Grab, Composite
3/20/2023	3/21/2023	Outfall 018	Routine	Grab, Composite
3/29/2023	3/30/2023	Outfall 001	Routine	Grab, Composite
3/29/2023	3/30/2023	Outfall 002	Routine	Grab, Composite
3/29/2023	3/30/2023	Outfall 008	Routine	Grab, Composite
3/29/2023	3/30/2023	Outfall 009	Routine	Grab, Composite
3/29/2023	3/30/2023	Outfall 018	Routine	Grab, Composite

**Notes:**

Routine = 1 per discharge event.

Toxicity is required during the 1st and 2nd Rain Event.

Geometric mean samples were collected in compliance with the Receiving Water Requirements in Attachment E of the NPDES Permit.

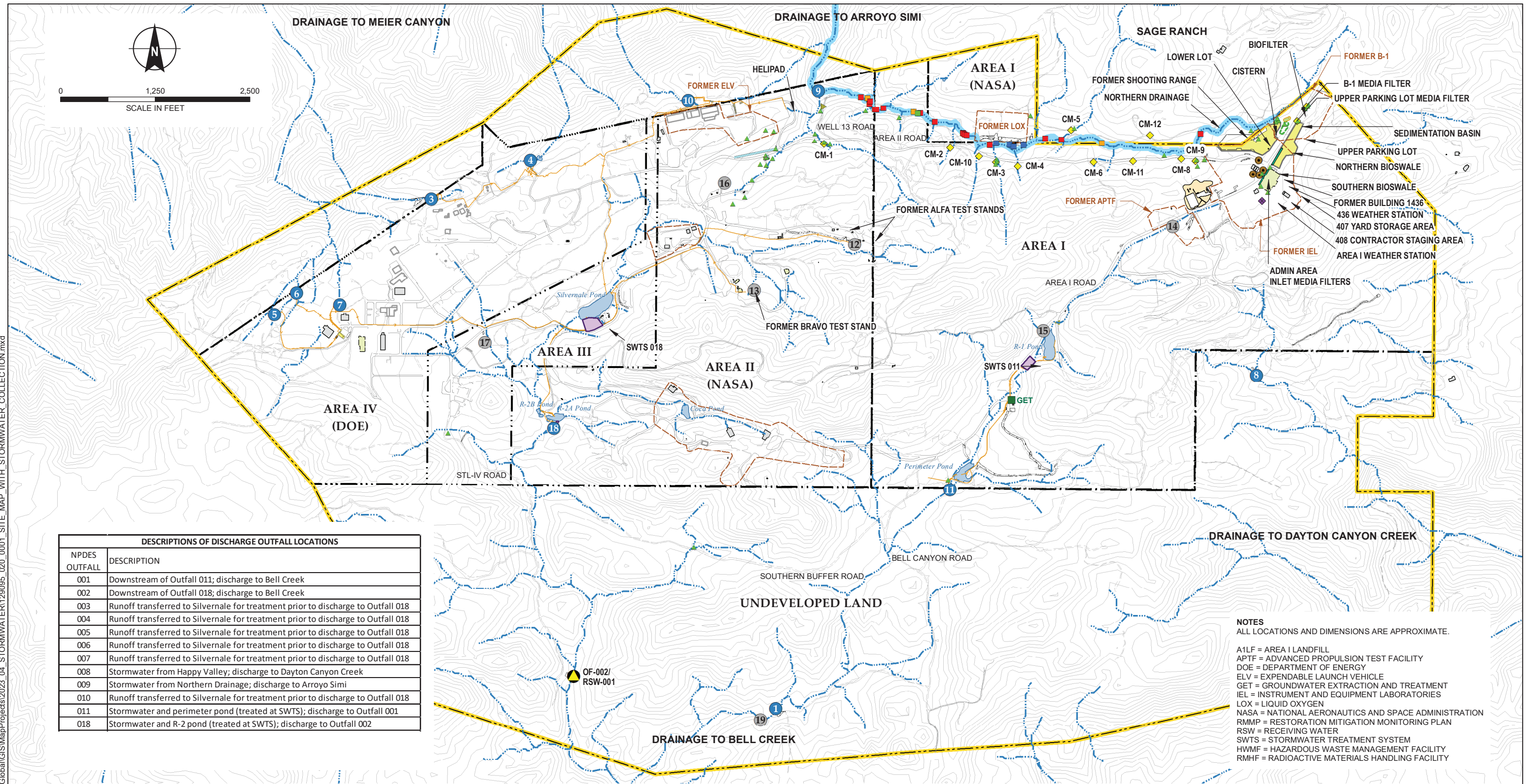
7-day = If an outfall discharges, following a qualifying rain event and flows for 7 consecutive days, then another sample is required.

Species sensitivity screening is required every 24 months. *Ceriodaphnia Dubia* is the representative species for the next 24 months starting in the Second Quarter 2023.



## FIGURES

\\haley\aldrich\share\setg\_common\40458\_SSFL\Global\GIS\MapProjects\2023\_04\_STORMWATER\129095\_020\_001\_SITE\_MAP\_WITH\_STORMWATER\_COLLECTION.mxd



DESCRIPTIONS OF DISCHARGE OUTFALL LOCATIONS	
NPDES OUTFALL	DESCRIPTION
001	Downstream of Outfall 011; discharge to Bell Creek
002	Downstream of Outfall 018; discharge to Bell Creek
003	Runoff transferred to Silvernale for treatment prior to discharge to Outfall 018
004	Runoff transferred to Silvernale for treatment prior to discharge to Outfall 018
005	Runoff transferred to Silvernale for treatment prior to discharge to Outfall 018
006	Runoff transferred to Silvernale for treatment prior to discharge to Outfall 018
007	Runoff transferred to Silvernale for treatment prior to discharge to Outfall 018
008	Stormwater from Happy Valley; discharge to Dayton Canyon Creek
009	Stormwater from Northern Drainage; discharge to Arroyo Simi
010	Runoff transferred to Silvernale for treatment prior to discharge to Outfall 018
011	Stormwater and perimeter pond (treated at SWTS); discharge to Outfall 001
018	Stormwater and R-2 pond (treated at SWTS); discharge to Outfall 002

**NOTES**  
 ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

A1LF = AREA I LANDFILL  
 APTF = ADVANCED PROPULSION TEST FACILITY  
 DOE = DEPARTMENT OF ENERGY  
 ELV = EXPENDABLE LAUNCH VEHICLE  
 GET = GROUNDWATER EXTRACTION AND TREATMENT  
 IEL = INSTRUMENT AND EQUIPMENT LABORATORIES  
 LOX = LIQUID OXYGEN  
 NASA = NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
 RMMP = RESTORATION MITIGATION MONITORING PLAN  
 RSW = RECEIVING WATER  
 SWTS = STORMWATER TREATMENT SYSTEM  
 HWMF = HAZARDOUS WASTE MANAGEMENT FACILITY  
 RMHF = RADIOACTIVE MATERIALS HANDLING FACILITY

**LEGEND**

ACTIVE NPDES OUTFALL LOCATION	ADMINISTRATION AREA DRAIN INLETS	STORMWATER TREATMENT SYSTEM	DRAINAGE	VEHICLE PARKING AREA	EXISTING BUILDING/STRUCTURE
FORMER NPDES OUTFALL LOCATION	BMP MONITORING LOCATION	FORMER STUDY AREA	NORTHERN DRAINAGE	BIOFILTER	FORMER BUILDING FOOTPRINT
BELL CREEK RECEIVING WATER (RSW-001) SAMPLING LOCATION AND OUTFALL 002	GET SYSTEM	<b>RMMP LOCATION</b>	ASPHALT SWALE	SEDIMENT BASIN	CONCRETE SLAB IN PLACE
SLOPE DRAIN DISCHARGE POINT TO NORTHERN DRAINAGE		CHECK STRUCTURE - MOSTLY NATURAL SANDSTONE, SOME RIP RAP	PAVED ROAD	STORAGE TANK	LANDFILL AREA
CULVERT MODIFICATION		CHECK STRUCTURE - RIP RAP	DIRT ROAD	BIOSWALE	SANTA SUSANA SITE PROPERTY BOUNDARY
		CHECK STRUCTURE - VEGETATED RIP RAP	25' ELEVATION CONTOUR	GRAVEL	ADMINISTRATIVE AREA BOUNDARY
		SLOPE DRAIN WITH UNDERLYING CHECK STRUCTURE AND ENERGY DISSIPATING GRAVEL AT INFLUENT END		SURFACE WATER POND	

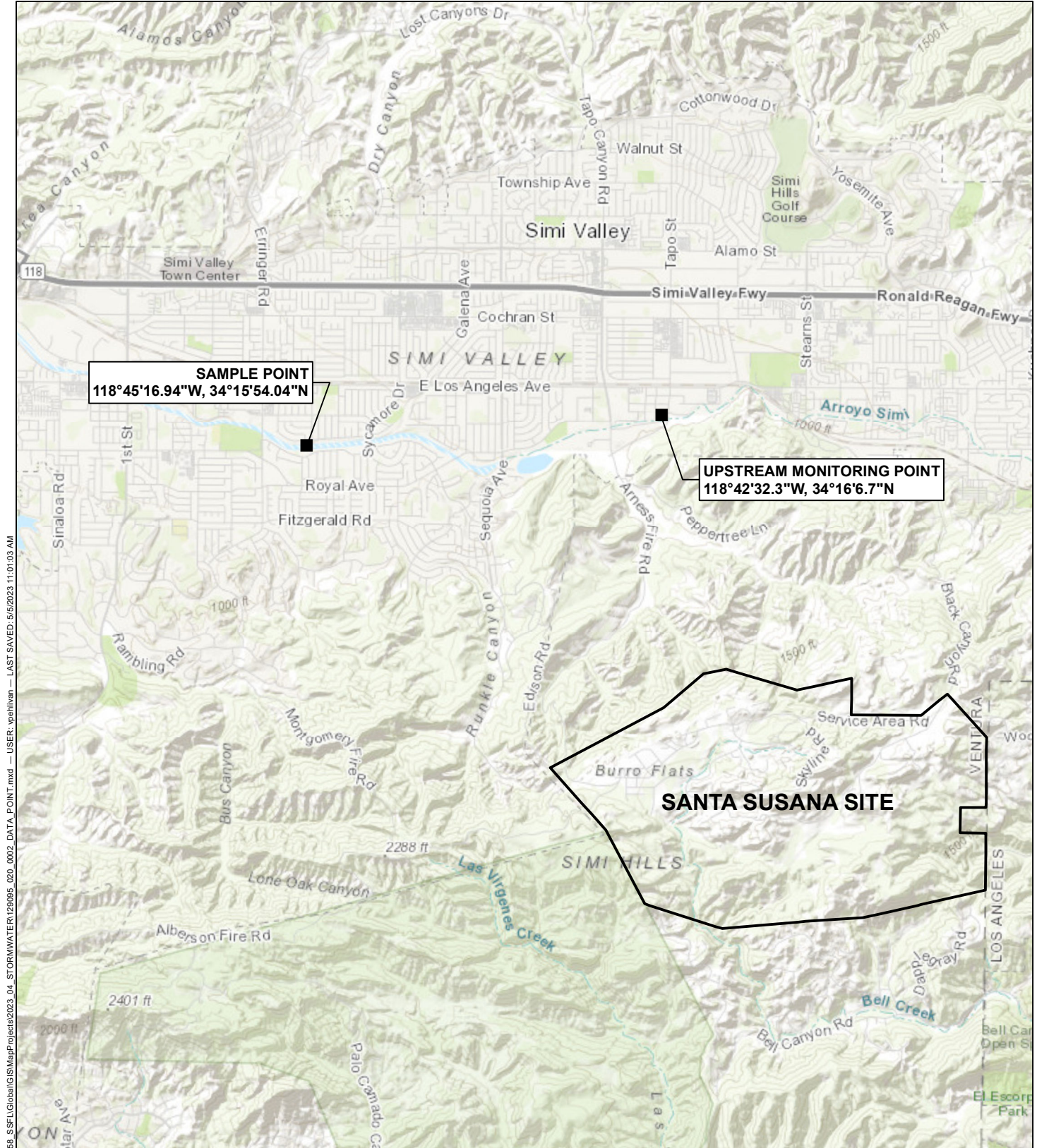
**HALEY ALDRICH**

NPDES PERMIT COMPLIANCE FIRST QUARTER 2023  
 DISCHARGE MONITORING REPORT  
 THE BOEING COMPANY  
 VENTURA COUNTY, CALIFORNIA

**SITE MAP WITH STORMWATER COLLECTION AND CONVEYANCE SYSTEM AND SITE FEATURES**

MAY 2023 FIGURE 1





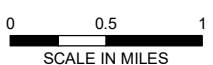
**SAMPLE POINT**  
 118°45'16.94"W, 34°15'54.04"N

**UPSTREAM MONITORING POINT**  
 118°42'32.3"W, 34°16'6.7"N

**SANTA SUSANA SITE**

**NOTES**

1. THE SAMPLE POINT IS FOR QUARTERLY WATER QUALITY AND ANNUAL SEDIMENT SAMPLING.
2. THE UPSTREAM MONITORING POINT LOCATION WAS CHOSEN BASED ON IT BEING UPSTREAM OF ALL POSSIBLE DISCHARGE FROM THE SANTA SUSANA SITE.



NPDES PERMIT COMPLIANCE FIRST QUARTER 2023  
 DISCHARGE MONITORING REPORT  
 THE BOEING COMPANY  
 VENTURA COUNTY, CALIFORNIA

**ARROYO SIMI RECEIVING WATER  
 (RSW-002, FRONTIER PARK)  
 SAMPLING LOCATION AND UPSTREAM  
 MONITORING POINT**

MAY 2023

**FIGURE 2**

GIS FILE PATH: \\haleyaldrich\share\sdg\_common\40458\_SFLGlobal\GIS\MapProjects\2023\_04\_STORMWATER\20095\_020\_0002\_DATA\_POINT.mxd — USER: vpenhavan — LAST SAVED: 5/6/2023 11:01:03 AM

**APPENDIX A**  
**First Quarter 2023 Rainfall Data Summary**

**TABLE A  
DAILY RAINFALL SUMMARY**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Station: AREA 1  
Parameter: Inches of Rain  
Month/Year: January 2023**

**HOOR OF THE DAY, PACIFIC STANDARD TIME**

	HR-BEG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total	
	HR-END	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
DAY																											
1	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.01	0.02	0.01	0.09
3	0.02	0.02	0.03	0.03	0.02	0.04	0.01	0.02	0.03	0.03	0.02	0.02	0.04	0.04	0.02	0.01	0.02	0.02	0.01	0.01	0.00	0.00	0.03	0.03	0.05	0.57	
4	0.03	0.03	0.03	0.01	0.02	0.04	0.03	0.01	0.02	0.01	0.08	0.19	0.11	0.06	0.10	0.07	0.09	0.11	0.08	0.01	0.00	0.00	0.01	0.00	0.00	1.14	
5	0.32	0.27	0.41	0.47	0.25	0.16	0.12	0.23	0.23	0.11	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.68	
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.13	0.16	
9	0.04	0.06	0.07	0.03	0.05	0.15	0.13	0.14	0.16	0.18	0.17	0.16	0.23	0.30	0.29	0.34	0.30	0.30	0.59	0.38	0.14	0.35	0.42	0.19	0.19	5.17	
10	0.25	0.11	0.05	0.02	0.01	0.04	0.05	0.07	0.24	0.12	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	d	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	d	0.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.13	0.16	0.25	0.32	0.28	0.15	0.13	0.14	0.02	0.10	0.00	0.01	0.00	0.00	0.00	0.00	1.70	
15	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.14	0.06	0.03	0.04	0.07	0.09	0.20	0.77		
16	0.31	0.18	0.04	0.01	0.01	0.09	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.12	
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.02	0.06	0.11	
30	0.01	0.10	0.02	0.02	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Monthly Total 14.44

Flags: d = Off-line part of hour. Invalid hour due to communication error (January 11 and 12). For the off-line event, the rain gauge at Sage Ranch reported no measurable rainfall on January 11 during hours 1200-1300 and 2300-2400 and no measurable rainfall on January 12 during hour 0900-1000.

**TABLE A  
DAILY RAINFALL SUMMARY**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Station: AREA 1  
Parameter: Inches of Rain  
Month/Year: February 2023**

**HOOR OF THE DAY, PACIFIC STANDARD TIME**

	HR-BEG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
	HR-END	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
	DAY																									Total	
	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
O	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
H	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	23	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.09	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.03	0.01	0.27
O	24	0.06	0.18	0.16	0.13	0.17	0.16	0.06	0.12	0.19	0.34	0.22	0.15	0.16	0.37	0.17	0.25	0.44	0.29	0.44	0.42	0.54	0.60	0.47	0.12	6.21	
	25	0.14	0.17	0.15	0.12	0.13	0.23	0.21	0.19	0.02	0.00	0.02	0.01	0.05	0.00	0.12	0.11	0.16	0.19	0.02	0.01	0.02	0.07	0.03	0.01	2.18	
N	26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.06	0.06	0.07	0.05	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.09	0.09	0.56	
T	28	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.07	0.02	0.10	0.11	0.01	0.37	
																									Monthly Total	9.62	

Flags: d = Off-line part of hour. Invalid hour due to communication issue (February 2). For the off-line event, the rain gauge at Sage Ranch reported no measurable rainfall on February 2 during hour 2300-2400.

**TABLE A  
DAILY RAINFALL SUMMARY**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Station: AREA 1  
Parameter: Inches of Rain  
Month/Year: March 2023**

**HOOR OF THE DAY, PACIFIC STANDARD TIME**

	HR-BEG	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	HR-END	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
	DAY																									Total
	1	0.07	0.00	0.19	0.22	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51
	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
	6	0.07	0.06	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	10	0.00	0.03	0.03	0.11	0.09	0.12	0.08	0.04	0.06	0.10	0.10	0.05	0.18	0.48	0.35	0.06	0.07	0.02	0.07	0.08	0.06	0.06	0.06	0.09	2.39
	11	0.08	0.07	0.04	0.03	0.03	0.04	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.38
	12	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.09	0.13	0.14	0.14	0.16	0.35	0.20	0.18	0.14	0.16	0.09	0.14	0.31	0.27	0.13	2.67
	15	0.16	0.31	0.31	0.09	0.00	0.01	0.01	0.04	0.02	0.02	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01
	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.04	0.01	0.00	0.02	0.04	0.03	0.03	0.03	0.01	0.01	0.03	0.02	0.00	0.28
	20	0.01	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.17
	21	0.16	0.11	0.11	0.16	0.06	0.06	0.12	0.23	0.13	0.01	0.01	0.00	0.00	0.07	0.20	0.21	0.16	0.00	0.01	0.08	0.12	0.00	0.09	0.01	2.11
	22	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.08	0.18	0.02	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	29	0.07	0.03	0.08	0.26	0.34	0.21	0.21	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.07	0.04	0.03	1.42
	30	0.04	0.01	0.02	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46
	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Monthly Total 12.11



**APPENDIX B**  
**First Quarter 2023 Waste Shipment**  
**Summary Tables**

**TABLE B  
WASTE SHIPMENT SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

TYPE OF WASTE	MATRIX	QUANTITY	UNITS	TRANSPORTER 1	TRANSPORTER 2	DESTINATION
NA3082, Hazardous Waste	Liquid	19,250	G	OC Vaccum Inc.	n/a	US Ecology Vernon 5375 South Boyle Avenue Los Angeles, CA 90058
Non RCRA Hazardous Waste	Liquid	166	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90744
Non RCRA Hazardous Waste	Solid	289	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90745
Non RCRA Hazardous Waste	Liquid	13	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 2500 West Lakern Road Buttonwillow, CA 93206
Non RCRA Hazardous Waste	Solid	20	Y	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 2500 West Lakern Road Buttonwillow, CA 93206
NA3077, Hazardous Waste	Solid	133	P	Clean Harbors Environmental Services, Inc.	Remedial Transportation Services 31194 Shelby Lane Shafter, CA 93263	Clean Harbors Environemntal Services, Inc. 2247 South Highway 71 Kimball, NE 69145
NA3077, Hazardous Waste	Solid	2,015	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Environemntal Services, Inc. 2247 South Highway 71 Kimball, NE 69145
RQ. NA3077, Hazardous Waste	Solid	23,040	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Environemntal Services, Inc. 2247 South Highway 71 Kimball, NE 69145
UN1993, Waste Flammable Liquids	Liquid	113	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Environemntal Services, Inc. 2247 South Highway 71 Kimball, NE 69145
UN3266, Waste Corrosive Liquid	Liquid	1,391	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Grassy Mountain LLC 3 Miles East 7 Miles North of Knolls Grantsville, UT 84029
UN3262, Corrosive Solid	Solid	28	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90745
UN3264, Waste Corrosive Liquid	Liquid	1,787	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors San Jose LLC 1021 Berryessa Road San Jose, CA 95133

**TABLE B  
WASTE SHIPMENT SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

TYPE OF WASTE	MATRIX	QUANTITY	UNITS	TRANSPORTER 1	TRANSPORTER 2	DESTINATION
UN2922, Corrosive Liquids	Liquid	113	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90745
NA3082, Hazardous Waste	Liquid	9,834	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90745
NA3082, Hazardous Waste	Liquid	7,488	P	Clean Harbors Environmental Services, Inc.	Remedial Transportation Services 31194 Shelby Lane Shafter, CA 93263	Clean Harbors Environemntal Services, Inc. 2247 South Highway 71 Kimball, NE 69145
NA3092, Hazardous Waste	Liquid	4,400	G	OC Vaccum Inc	n/a	US Ecology Vernon 5375 South Boyle Avenue Los Angeles, CA 90058
UN3262, Corrosive Sollid	Solid	104	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90745
Non Hazardous, Non D.O.T. Regulated Material	Solid	46	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 3.5 miles South of Mile Post 49 on I-80 Grantsville, UT 84029
Non Hazardous, Non D.O.T. Regulated Material (Sand)	Solid	1,199	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Grassy Mountain LLC 3 Miles East 7 Miles North of Knolls Grantsville, UT 84029
Non Hazardous, Non D.O.T. Regulated Material	Solid	3,348	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90745
Non Hazardous, Non D.O.T. Regulated Material	Solid	40	Y	Clean Harbors Environmental Services, Inc.	n/a	Waste Management Antelope Valley LF 1200 W City Ranch Road
Non Hazardous, Non D.O.T. Regulated (Water)	Liquid	495	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 3.5 miles South of Mile Post 49 on I-80 Grantsville, UT 84029
Non Hazardous, Non D.O.T. Regulated (Water)	Liquid	5,652	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 2500 West Lakern Road Buttonwillow, CA 93206
UN3077, Environmentally Hazardous Substances	Solid	14	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 3.5 miles South of Mile Post 49 on I-80 Grantsville, UT 84029

**TABLE B  
WASTE SHIPMENT SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

TYPE OF WASTE	MATRIX	QUANTITY	UNITS	TRANSPORTER 1	TRANSPORTER 2	DESTINATION
UN2800, Batteries, Wet, Non-Spillable	Solid	21	P	Clean Harbors Environmental Services, Inc.	n/a	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90745
Non Hazardous Waste	Liquid	135,000	G	Southwest Processors, Inc. 4120 Bandini Boulevard Vernon, CA 90058	n/a	Southwest Processors, Inc. 4120 Bandini Boulevard Vernon, CA 90058
Non Hazardous Waste	Liquid	17,984	G	American Integrated Services	n/a	Crosby & Overton, Inc. 1630 W. 17th Street Long Beach, CA 90813
RQ. NA3077, Hazardous Waste	Solid	25	Y	Ecology Control Industries	n/a	US Ecology HWY 95, 11 Miles S. Of Beatty Beatty NV 89003
NA3082, Hazardous Waste	Liquid	7,500	G	Ecology Control Industries	n/a	US Ecology Vernon 5375 South Boyle Avenue Los Angeles, CA 90058
NA3082, Hazardous Waste	Liquid	870	G	Patriot Environmental Services	n/a	US Ecology Vernon 5375 South Boyle Avenue Los Angeles, CA 90058

**Notes:**

*D.O.T. = Department of Transportation*

*G = Gallons*

*n/a = Not Applicable*

*P = Pounds*

*RCRA = Resource Conservation and Recovery Act*

*Y = Yards*

**APPENDIX C**  
**First Quarter 2023 Discharge Monitoring**  
**Data Summary Tables**

## APPENDIX C

### FIRST QUARTER 2023 DISCHARGE MONITORING DATA SUMMARY TABLES

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**REPORTING SUMMARY NOTES  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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**Not all of the following notes, abbreviations, symbols, or acronyms occur on every table:**

1. 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) toxic equivalents (TEQs) for the purpose of determining permit compliance are the sum of the products of the detected dioxin congener concentration multiplied by that congener's toxicity equivalency factor (TEF) and bioaccumulation equivalency factor (BEF). The resulting compliance TCDD TEQ does not include those congener concentrations that are reported as detected but not quantified (DNQ), as specified on page 26 of the NPDES permit (Water Board, 2015).
2. Temperature, total residual chlorine (TRC), dissolved oxygen (DO), and pH are measured in the field and are not validated.
3. pH and temperature are identified on the table as daily maximum discharge limits. The NPDES permit limit has an instantaneous minimum (6.5) and maximum (8.5) for pH and an instantaneous maximum of 86°F for temperature.
4. Exceedances are defined on page 6 of the NPDES permit as constituents in excess of daily maximum benchmark limits, daily maximum permit limits, or receiving water limits. Analytical concentrations or calculations to determine compliance to the NPDES permit are compared to the same number of significant figures as the daily maximum benchmark limits, daily maximum permit limits, or receiving water limits.
5. Priority pollutants sampled once every five years, at Arroyo Simi Receiving Water sampling location (RSW-002, Frontier Park) were analyzed during the First Quarter 2023.
6. Dissolved metals are filtered by the laboratory and reported as "Metal, dissolved." Total metals are not filtered by the laboratory and reported as "Metal."
7. Abbreviations, symbols, and acronyms:

-92.9 +/-200	A negative radiochemical analytical result indicates the count rate of the sample was less than the background condition. Radiological results are presented as activity plus or minus total uncertainty.
%	Percent.
\$	Reported result or other information was incorrectly reported by the laboratory; result was corrected by the data validator.
--	Based on validation of the data, a qualifier was not required.
-	No NPDES permit limit established for daily maximum or receiving water limit.
<(value)	Analyte not detected at a concentration greater than or equal to the detection limit (DL), method detection limit (MDL), or laboratory reporting limit (RL); see laboratory report for specific detail.
>(value)	Greater than most probable number.
*	Result not validated.
**	Flow for each outfall is calculated over the 24-hour period when the outfall autosampler is operating to collect the composite sample. See definition of "Daily Discharge" on page A-2 of attachment A of the NPDES permit.
*1	Improper preservation of sample.



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*2	The inductively coupled plasma (ICP)/matrix spike (MS) parts per billion (ppb) check standard was recovered above the control limit; therefore, the constituent detected was qualified as estimated (J).
*3	Initial and or continuing calibration recoveries were outside acceptable control limits.
*5	Blank spike/blank spike duplicate relative percent difference was outside the control limit.
*10	Value was estimated detect or estimated non-detect (J, UJ) due to deficiencies in quantitation of the constituent including constituents reported by the laboratory as estimated maximum possible concentration (EMPC) values.
*11	No calibration was performed for this compound; result is reported as a tentatively identified compound (TIC).
*III	Unusual problems found with the data that have been described in the validation report.
ANR	Analysis not required; e.g., constituent or outfall was not required by the NPDES permit to be sampled and analyzed over the reporting period (annual, semi-annual, etc.).
Avg	Average.
B	Laboratory method blank contamination.
BA	Relative percent difference out of control.
BEF	Bioaccumulation equivalency factor.
BU	Analyzed out of holding time.
BV	Sample received after holding time expired.
C	Calibration percent relative standard deviation (%RSD) or percent difference (%D) were noncompliant.
CaCO3	Calcium carbonate
Chromium VI	Hexavalent chromium
Comp	Composite sample type.
C5	Calibration verification percent recovery (%R) was outside method control limits.
CEs/100 ml	Cell equivalents per 100 milliliters.
D	The analysis with this flag should not be used because another more technically sound analysis is available.
%D	Percent difference between the initial and continuing calibration relative response factors.
Deg C	Degrees Celsius.
Deg F	Degrees Fahrenheit.
DL	Detection limit.
DNQ	Detected but not quantified (constituent value greater than or equal to the laboratory method detection limit and less than the laboratory reporting limit).
E	E in validation qualifier indicates that duplicates show poor agreement.

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EB	Equipment blank.
EMPC	Estimated maximum possible concentration.
F	The analyte was detected in an associated field blank (FB) or equipment blank (EB) as well as in the sample.
FB	Field blank.
F1	Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery is outside acceptance limits.
ft/sec	Feet per second.
G	Gallons.
gpd	Gallons per day.
H	Holding time was exceeded.
Hardness	Equivalent of calcium carbonate (CaCO <sub>3</sub> ).
Hp	Hepta.
Hx	Hexa.
ICP	Interference check solution results were unsatisfactory.
J	Estimated value.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
J, DX	Estimated value, value < lowest standard method quantitation limit (MQL), but > than method detection limit (MDL).
K	The sample dilution's set-up did not meet the oxygen depletion criteria of at least 2 milligrams per liter (mg/L); therefore, the reported result is an estimated value only.
L	Laboratory control sample percent recovery (%R) was outside control limits.
L1	Laboratory control standard (LCS)/laboratory control standard duplicate (LCSD), relative percent difference (RPD) was outside the control limit.
LBS/DAY	Pounds per day.
LCS	Laboratory control standard.
LCSD	Laboratory control standard duplicate.
LQ	Laboratory control standard (LCS)/ laboratory control standard duplicate (LCSD) recovery above method control limits.
Max	Maximum.
MB	Analyte present in the method blank.
MDA/MDC	Minimum detectable activity/minimum detectable concentration.

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MDL	Method detection limit.
Meas	Measure sample type.
MFL	Million fibers per liter.
MGD	Million gallons per day.
MHA	Due to high level of analyte in the sample, the matrix spike (MS)/matrix spike duplicate (MSD) calculation does not provide useful spike recovery information.
mg/L	Milligrams per liter.
mg/kg	Milligrams per kilogram.
ml/L	Milliliters per liter
ml/L/hr	Milliliters per liter per hour.
MPN/100 mL	Most probable number per 100 milliliters.
MQL	Method quantitation limit.
MS	Matrix spike.
MSD	Matrix spike duplicate.
mS/cm	MilliSiemens per centimeter
NA	Not applicable; no NPDES permit limit established for the constituent and/or outfall or analyte not required per receiving water monitoring requirements.
ND	Analyte not detected.
NJ	The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the sample.
NM	Not measured or determined or minimum detectable activities (MDAs) are not calculated as there is no statistical method for combining MDAs.
NPDES	National Pollutant Discharge Elimination System.
NR	Not reported by laboratory by the deadline of this report.
NTU	Nephelometric turbidity unit.
OCDD	Octachlorodibenzo-p-dioxin.
OCDF	Octachlorodibenzofuran.
P	Pounds.
ppb	Parts per billion.
pCi/L	PicoCuries per liter.
Pe	Penta.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio; the measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
Q	Matrix spike (MS) recovery outside of control limits.
Q1	Matrix spike (MS)/matrix spike duplicate (MSD) relative percent difference (RPD) was outside the control limit.
R	As a validation qualifier, results are rejected; the presence or absence of analyte cannot be verified.
(R)	Percent recovery (%R) for calibration not within control limits.
RL	Laboratory reporting limit.

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RL-1	Reporting limit raised due to sample matrix effects.
RPD	Relative percent difference.
%R	Percent recovery.
%RSD	Percent relative standard deviation.
% Normal/Alive	Percent normal and alive.
% Survival	Percent survival.
S	Surrogate recovery was outside control limits.
s.u.	Standard unit.
TCDD	2,3,7,8-tetrachlorodibenzo-p-dioxin.
TCDF	2,3,7,8-tetrachlorodibenzo-p-furan.
TEQ	Toxic equivalent.
TIC	Tentatively identified compound
TIE	Toxicity identification evaluation
TOC	Total organic carbon
T	Presumed contamination, as indicated by a detect in the trip blank.
U	Result not detected.
µg/L	Micrograms per liter.
µg/g	Micrograms per gram.
µg/kg	Micrograms per kilogram.
µmhos/cm	Micromhos per centimeter.
UJ	Result not detected at the estimated reporting limit.
WHO TEF	World Health Organization toxic equivalency factor.
w/out	Without.
^	Analysis not completed due to hold time exceedance or insufficient sample volume.
#	Per Order No. R4-2015-0033, page 16, Footnote 1. The effluent limitations for total suspended solids and settleable solids are not applicable for discharges during wet weather. During wet weather flow, a discharge event is greater than 0.1 inch of rainfall in a 24-hour period. No more than one sample per week need be obtained during extended periods of rainfall or the discharge of collected stormwater. A storm event must be preceded by at least 72 hours of dry weather.
(1)	Based on the NPDES permit, table E-3a footnote 2, receiving water samples for pH, hardness, and priority pollutants must be collected on the same day as effluent samples.
(2)	Additional sample, not required by the NPDES permit.
(4.0)3.1	Represents (dry weather limit) wet weather limit.
(3)	Secondary maximum contaminant level.

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(4)	The drinking water maximum contaminant level of 3.00E-05 µg/L is for the dioxin congener 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). TCDD Toxic Equivalent (TEQ) without detected but not quantified (DNQ) values is the sum of the products of the detected dioxin congener concentration multiplied by that congener's toxic Equivalency factor (TEF) and bioaccumulation equivalency factor (BEF). There are 17 dioxin congeners.
(a)	Based on Order No. R4-2015-0033, page 17, footnote 7, sampling event is a dry discharge and the NPDES Permit Limit for cadmium is 4.0 ug/L and 3.93 lbs./day at OF001, 002, 011, 018 and 0.24 lbs./day at OF008.
(b)	Based on Order No. R4-2015-0033, page 17, footnote 7, sampling event is a wet discharge and the NPDES Permit Limit for cadmium is 3.1 ug/L and 4.91 lbs./day at OF001, 002, 011, 018 and 3.05 lbs./day at OF008.
(c)	Based on Order No. R4-2015-0033, page 16, footnote 1, sampled during wet weather flow. The effluent limitations for total suspended solids and/or settleable solids are not applicable for discharges during wet weather.
(d)	Based on Order No. R4-2015-0033, page 16, footnote 1, sampled during dry weather flow. The effluent limitations for total suspended solids and/or settleable solids are applicable for discharges during dry weather.
(e)	Based on Order No. R4-2015-0033, page 17, footnote 8, sampling event is a dry discharge and the NPDES Permit Limit for selenium is 5 ug/L and 4.91 lbs./day.
(f)	Based on Order No. R4-2015-0033, page 17, footnote 8, sampling event is a wet discharge and the NPDES Permit Limit for selenium is 8.2 ug/L and 8.06 lbs./day.
(g)	The composite sample was collected as a grab sample from the stream due to insufficient flow.
(h)	Total Ammonia is reported in wet weight units' milligrams per kilogram (mg/kg).
(i)	Total organic carbon (TOC) is reported in dry weight units. Permit asks for TOC units in % dry weight, but data is provided in dry unit milligrams per kilogram (mg/kg).
(j)	Analyte does not have a receiving water limit for Bell Creek Receiving Water (RSW-001, OF002).
(k)	Field parameter noted on field notes rather than COC.
(l)	When field staff arrived onsite to collect the composite sample, they discovered that the autosampler had malfunctioned and had not collected "sips." Field staff repaired the autosampler, reset it, determined it was functioning properly, then returned the next day to collect the composite sample.
(m)	The composite sample was collected as a grab sample from the sample box due to insufficient flow.
(n)	The grab sample was collected at the first opportunity given the short duration and low flow at this Outfall.
(o)	Unsafe conditions all day prevented access to the Outfall.
(p)	Various annual constituents were analyzed by laboratory due to field and laboratory error.

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(q)	2-chlorovinyl ether and endrin aldehyde were submitted to an additional laboratory to achieve minimum levels.
(r)	The sampling frequency of this constituent is increased from once per year to once per discharge until four consecutive sample results demonstrate compliance per the NPDES permit. The corresponding dissolved metal also increased in sampling frequency to once per discharge.
(s)	Analyte does not have a daily maximum permit limit for OF002.
(t)	Reanalysis
(u)	The grab sample was delayed by an hour due to field error.
(v)	Flowmeter data not available due to automated recorder malfunction. Permit limit maximum was used as the flow value. Visual observations during sampling confirmed that flow was well below permit maximum.
(w)	Flowmeter data not available due to automated recorder malfunction. Flow data for 3/6-3/7 sample used for 3/5-3/6 sample. 3/5-3/6 sample was a 7-day sample with no rainfall during sampling interval; 3/6-3/7 sample was collected following a minor rain event of 0.12" in the early morning hours of 3/6, so flow for 3/6-3/7 was likely similar or slightly greater than flow during 3/5-3/6.
(x)	Flowmeter data not available due to automated recorder malfunction. The estimated daily flow from a 10-year 24-hour storm as provided in the 2010 NPDES permit (Attachment F, Page II.A Table 1) was used as the flow value.
(y)	As specified on page E-14, footnote 7 of the NPDES permit, "Radium-226 and radium-228 analysis must be performed, and combined Radium-226 and Ra-228 activity must be $\leq$ 5pCi/L. If gross alpha is $<$ 5 pCi/L, one can assume Ra-226 activity = gross alpha activity for purposes of meeting the 5 pCi/L limit." As the gross alpha result was less than 5pCi/L for this sample, gross alpha was substituted in the calculation.
(z)	The chronic toxicity test method used for this sample was Ceriodaphnia Dubia Survival and Reproduction Bioassay.
(aa)	Sample was taken on the second rain event of the year.

**ARROYO SIMI  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	SAMPLE DATE & TIME	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>POLLUTANTS WITH LIMITS</b>							
4,4'-DDD	µg/L	0.0014	1/Quarter	Grab	1/1/2023 11:30; 1/9/2023 07:15 <sup>(2)(p)</sup>	ND < 0.0044	U
4,4'-DDE	µg/L	0.001	1/Quarter	Grab		ND < 0.0019	U
4,4'-DDT	µg/L	0.001	1/Quarter	Grab		ND < 0.0016	U
Aroclor 1016	µg/L	0.0003	1/Quarter	Grab		ND < 0.044	U
Aroclor 1221	µg/L	0.0003	1/Quarter	Grab		ND < 0.044	U
Aroclor 1232	µg/L	0.0003	1/Quarter	Grab		ND < 0.044	U
Aroclor 1242	µg/L	0.0003	1/Quarter	Grab		ND < 0.044	U
Aroclor 1248	µg/L	0.0003	1/Quarter	Grab		ND < 0.044	U
Aroclor 1254	µg/L	0.0003	1/Quarter	Grab		ND < 0.052	U
Aroclor 1260	µg/L	0.0003	1/Quarter	Grab		ND < 0.052	U
Chlordane	µg/L	0.001	1/Quarter	Grab		ND < 0.026	U
Chlorpyrifos	µg/L	0.02	1/Quarter	Grab		1/1/2023 11:30	ND < 0.0013
Diazinon	µg/L	0.16	1/Quarter	Grab	1/1/2023 11:30	ND < 0.0010	UJ (H)
Dieldrin	µg/L	0.0002	1/Quarter	Grab	1/1/2023 11:30;	ND < 0.0013	U
pH (Field)	s.u.	6.5-8.5	1/Quarter	Grab	1/9/2023 07:15 <sup>(2)(p)</sup>	8.21; 8.22	*
Toxaphene	µg/L	0.0003	1/Quarter	Grab		ND < 0.054	U
<b>POLLUTANTS WITHOUT LIMITS</b>							
Hardness (as CaCO3)	mg/L	-	1/Quarter	Grab	1/1/2023 11:30; 1/9/2023 07:15 <sup>(2)(p)</sup>	330	--
Temperature (Field)	Deg F	-	1/Quarter	Grab		53.4; 58.1	*
Total Suspended Solids	mg/L	-	1/Year	Grab		400	--
Water Velocity	ft/sec	-	1/Quarter	Meas		0.1; 0.4	*
<b>REMAINING PRIORITY POLLUTANTS</b>							
1,1,1-Trichloroethane	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.25	U
1,1,2,2-Tetrachloroethane	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.20	U
1,1,2-Trichloroethane	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.17	U
1,1-Dichloroethane	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.39	U
1,1-Dichloroethene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.33	U
1,2,4-Trichlorobenzene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.12	U
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.16	U
1,2-Dichlorobenzene (VOC)	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.11	U
1,2-Dichloroethane	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.15	U
1,2-Dichloropropane	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.17	U
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.086	U
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.16	U
1,3-Dichlorobenzene (VOC)	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.11	U
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.11	U
1,4-Dichlorobenzene (VOC)	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.13	U
2,4,6-Trichlorophenol	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.13	U
2,4-Dichlorophenol	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.13	U
2,4-Dimethylphenol	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.12	U
2,4-Dinitrophenol	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 4.1	U
2,4-Dinitrotoluene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.11	U
2,6-Dinitrotoluene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.17	U
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.19	UJ (H)
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 1.1	U
2-Chloronaphthalene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.14	U
2-Chlorophenol	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.091	U
2-Methyl-4,6-dinitrophenol	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 4.3	U
2-Nitrophenol	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 3.3	U
3,3'-Dichlorobenzidine	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 2.9	U
4-Bromophenyl phenyl ether	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.095	U
4-Chloro-3-methylphenol	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.13	U
4-Chlorophenyl phenyl ether	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.16	U
4-Nitrophenol	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 3.2	U
Acenaphthene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.094	U
Acenaphthylene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.12	U
Acrolein	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 4.6	U
Acrylonitrile	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 1.4	U
Aldrin	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.0031	U
alpha-BHC	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.0012	U
Anthracene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.080	U
Antimony	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	0.75	J (DNQ)
Arsenic	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	2.5	--

**ARROYO SIMI  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	SAMPLE DATE & TIME	RESULT	LABORATORY/ VALIDATION QUALIFIER
Asbestos, > = 0.5 um	MFL	-	1/Year	Grab	1/1/2023 11:30; 2/24/2023 2:55	ND < 49 ND < 50	U*
Asbestos, > 10 um only	MFL	-	1/Year	Grab	1/1/2023 11:30; 2/24/2023 2:55	ND < 49 ND < 50	U*
Benzene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.28	U
Benidine	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 2.6	U
Benzo(a)anthracene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.12	U
Benzo(a)pyrene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.15	U
Benzo(b)fluoranthene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	0.11	J (DNQ)
Benzo(g,h,i)perylene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.10	U
Benzo(k)fluoranthene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.11	U
Beryllium	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.26	U
beta-BHC	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.0039	U
Bis (2-Chloroethoxy) Methane	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.10	U
Bis (2-Chloroethyl) Ether	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.099	U
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.12	U
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 3.4	U
Bromodichloromethane	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.19	U
Dichlorobromomethane	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.19	U
Bromoform	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.25	U
Bromomethane (Methyl Bromide)	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.22	U
Butyl benzylphthalate	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.64	U
Cadmium	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	0.32	J (DNQ)
Carbon tetrachloride	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.28	U
Chlorobenzene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.19	U
Chlorodibromomethane	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.15	U
Chloroethane	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.29	U
Chloroform	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.19	U
Chloromethane (Methyl Chloride)	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.30	U
Chromium by 200.8	µg/L	-	1/5 Years	Grab	1/21/2023 06:30	1.0	J (DNQ)
Chromium by 200.7	µg/L	-	1/5 Years	Grab	1/21/2023 06:30	ND < 3.0	U
Chromium III (Trivalent)	µg/L	-	1/5 Years	Grab	1/21/2023 06:30	ND < 3.0	U
Chromium VI (Hexavalent)	µg/L	-	1/5 Years	Grab	1/21/2023 06:30	0.26	--
Chrysene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.11	U
cis-1,2-Dichloroethene	µg/L	-	Additional	Grab	1/9/2023 07:15	ND < 0.21	U
cis-1,3-Dichloropropene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.30	U
Copper	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	6.3	--
Cyanide	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 2.5	U
delta-BHC	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.0020	U
Dibenzo(a,h)anthracene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.15	U
Diethyl phthalate	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.17	U
Dimethyl phthalate	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.093	U
Di-n-butyl phthalate	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 1.8	U
Di-n-octyl phthalate	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.51	U
Endosulfan I	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.0013	U
Endosulfan II	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.0041	U
Endosulfan sulfate	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.0014	U



ARROYO SIMI  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	SAMPLE DATE & TIME	RESULT	LABORATORY/ VALIDATION QUALIFIER
Endrin	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.0023	U
Endrin aldehyde	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.024	U
Ethylbenzene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.25	U
Fluoranthene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.096	U
Fluorene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.090	U
Heptachlor	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.0012	U
Heptachlor epoxide	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.0039	U
Hexachlorobenzene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.13	U
Hexachlorobutadiene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.14	U
Hexachlorocyclopentadiene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.15	U
Hexachloroethane	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.12	U
Indeno(1,2,3-cd)pyrene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.12	U
Isophorone	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.094	U
Lead	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	0.99	J (DNQ)
gamma-BHC (Lindane)	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.00066	U
Mercury	µg/L	-	1/5 Years	Grab	1/21/2023 06:30	0.12	J (DNQ)
Methylene chloride	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.57	U
Naphthalene (SVOC)	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.33	U
Naphthalene (VOC)	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.10	U
Nickel	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	8.2	--
Nitrobenzene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.14	U
N-Nitrosodimethylamine	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.18	U
N-Nitroso-di-n-propylamine	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.14	U
N-Nitrosodiphenylamine	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.10	U
Pentachlorophenol	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.80	U
Phenanthrene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.16	U
Phenol	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.50	U
Pyrene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.082	U
Selenium	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	3.3	--
Silver	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.23	U
Tetrachloroethene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.21	U
Thallium	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.11	U
Toluene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.23	U
trans-1,2-Dichloroethene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.24	U
trans-1,3-Dichloropropene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.18	U
Trichloroethene	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.17	U
Vinyl chloride	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	ND < 0.47	U
Zinc	µg/L	-	1/5 Years	Grab	1/9/2023 07:15	18	J (DNQ)

**ARROYO SIMI  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/1/2023 11:30 (Grab)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Year	0.01	0.05	µg/L	4.2E-07	4.1E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Year	0.01	0.01	µg/L	2.7E-07	2.9E-05	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Year	0.01	0.4	µg/L	2.5E-07	1.7E-06	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Year	0.1	0.3	µg/L	1.5E-07	3.0E-06	UJ (*IIII)	ND
1,2,3,4,7,8-HxCDF	1/Year	0.1	0.08	µg/L	2.0E-07	2.1E-06	J (DNQ)	ND
1,2,3,6,7,8-HxCDD	1/Year	0.1	0.1	µg/L	1.6E-07	2.0E-06	UJ (*IIII)	ND
1,2,3,6,7,8-HxCDF	1/Year	0.1	0.2	µg/L	1.9E-07	1.8E-06	UJ (*IIII)	ND
1,2,3,7,8,9-HxCDD	1/Year	0.1	0.1	µg/L	1.4E-07	1.7E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Year	0.1	0.6	µg/L	1.8E-07	3.7E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Year	1.0	0.9	µg/L	1.4E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Year	0.05	0.2	µg/L	1.1E-07	1.4E-06	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Year	0.1	0.7	µg/L	1.7E-07	2.1E-06	UJ (*IIII)	ND
2,3,4,7,8-PeCDF	1/Year	0.5	1.6	µg/L	1.3E-07	ND	U	ND
2,3,7,8-TCDD	1/Year	1.0	1.0	µg/L	1.2E-07	ND	U	ND
2,3,7,8-TCDF	1/Year	0.1	0.8	µg/L	4.0E-08	ND	U	ND
OCDD	1/Year	0.0001	0.01	µg/L	8.0E-07	4.0E-04	--	4.0E-10
OCDF	1/Year	0.0001	0.02	µg/L	4.4E-07	3.9E-05	U (B)	ND
<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup> (POLLUTANTS WITHOUT LIMITS)</b>								4.0E-10

**ARROYO SIMI  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

SAMPLE DATE & TIME	RECEIVING WATER LIMIT	E. Coli (mpn/100mL)		
		SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
01/01/2023 11:30	235	Grab	31,000	J (H)
01/03/2023 10:30	235	Grab	2,400	--
01/09/2023 07:15	235	Grab	4,400	J (H)
01/13/2023 07:30	235	Grab	12,000	J (H)
01/17/2023 07:20	235	Grab	1,200	J (H)
Geomean	126	Calc	5,428	*

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/5/2023 07:55 - 1/6/2023 07:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.26093	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	ND< 1.0	U
Oil & Grease	mg/L	15	1/Discharge	Grab	ND< 0.53	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.97	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	20 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	Composite	0.50	J (DNQ)
Arsenic	µg/L	10.0	1/Year	Composite	0.98	J (DNQ)
Beryllium	µg/L	4.0	1/Year	Composite	ND < 0.26	U
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	Composite	0.063	J (DNQ)
Copper	µg/L	14	1/Discharge	Composite	2.8	J+ (B)
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	ND < 1.0	U (B)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	Composite	2.4	--
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.81	U
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	Composite	ND < 0.23	U
Thallium	µg/L	2.0	1/Year	Composite	ND < 0.11	U
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	13	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.056	J (DNQ)
Barium	mg/L	1.0	1/Year	Composite	0.019	--
Chloride	mg/L	150	1/Discharge	Composite	4.9	J (DNQ)
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	Grab	0.00	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass, 3.05	--
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.11	J (DNQ)
Fluoride	mg/L	1.6	1/Year	Composite	ND < 0.23	U
Iron	mg/L	0.3	1/Discharge <sup>(f)</sup>	Composite	0.83	--
Manganese	µg/L	50	1/Discharge <sup>(f)(p)</sup>	Composite	26	--
Nitrate - N	mg/L	8	1/Discharge	Composite	2.8	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	2.8	--
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.22	U
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	0.10 <sup>(c)</sup>	--
Sulfate	mg/L	300	1/Discharge	Composite	5.3	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	51.8	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	130	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	Grab	ND < 0.25	U
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	Grab	ND < 0.20	U
1,1,2-Trichloroethane	µg/L	-	1/Quarter	Grab	ND < 0.17	U
1,1-Dichloroethane	µg/L	-	1/Quarter	Grab	ND < 0.39	U
1,2,4-Trichlorobenzene	µg/L	-	1/Year	Composite	ND < 0.12	U
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	Grab	ND < 0.16	U
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.11	U
1,2-Dichloropropane	µg/L	-	1/Quarter	Grab	ND < 0.17	U
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	Composite	ND < 0.087	U
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	Grab	ND < 0.16	U
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.11	U
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	Grab	ND < 0.11	U

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/5/2023 07:55 - 1/6/2023 07:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.13	U
2,4-Dichlorophenol	µg/L	-	1/Year	Composite	ND < 0.13	U
2,4-Dimethylphenol	µg/L	-	1/Year	Composite	ND < 0.12	U
2,4-Dinitrophenol	µg/L	-	1/Year	Composite	ND < 4.1	U
2,6-Dinitrotoluene	µg/L	-	1/Year	Composite	ND < 0.17	U
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	Grab	ND < 0.19	U*
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	Grab	ND < 1.1	UJ (*1)
2-Chloronaphthalene	µg/L	-	1/Year	Composite	ND < 0.14	U
2-Chlorophenol	µg/L	-	1/Year	Composite	ND < 0.091	U
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	Composite	ND < 4.3	U
2-Nitrophenol	µg/L	-	1/Year	Composite	ND < 3.3	U
3,3'-Dichlorobenzidine	µg/L	-	1/Year	Composite	ND < 2.9	U
4,4'-DDD	µg/L	-	1/Year	Composite	ND < 0.0044	U
4,4'-DDE	µg/L	-	1/Year	Composite	ND < 0.0019	U
4,4'-DDT	µg/L	-	1/Year	Composite	ND < 0.0016	U
4-Bromophenyl phenyl ether	µg/L	-	1/Year	Composite	ND < 0.095	U
4-Chloro-3-methylphenol	µg/L	-	1/Year	Composite	ND < 0.13	U
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	Composite	ND < 0.16	U
4-Nitrophenol	µg/L	-	1/Year	Composite	ND < 3.2	U
Acenaphthene	µg/L	-	1/Year	Composite	ND < 0.094	U
Acenaphthylene	µg/L	-	1/Year	Composite	ND < 0.12	U
Acrolein	µg/L	-	1/Quarter	Grab	ND < 4.6	UJ (*1)
Acrylonitrile	µg/L	-	1/Quarter	Grab	ND < 1.4	U
Aldrin	µg/L	-	1/Year	Composite	ND < 0.0031	U
alpha-Endosulfan	µg/L	-	1/Year	Composite	ND < 0.0013	U
Anthracene	µg/L	-	1/Year	Composite	ND < 0.080	U
Aroclor 1016	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1221	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1232	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1242	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1248	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1254	µg/L	-	1/Year	Composite	ND < 0.052	U
Aroclor 1260	µg/L	-	1/Year	Composite	ND < 0.052	U
Benzene	µg/L	-	1/Quarter	Grab	ND < 0.28	U
Benzidine	µg/L	-	1/Year	Composite	ND < 2.6	U
Benzo(a)anthracene	µg/L	-	1/Year	Composite	ND < 0.12	U
Benzo(a)pyrene	µg/L	-	1/Year	Composite	ND < 0.15	U
Benzo(b)fluoranthene	µg/L	-	1/Year	Composite	0.12	J (DNQ)
Benzo(g,h,i)perylene	µg/L	-	1/Year	Composite	ND < 0.10	U
Benzo(k)fluoranthene	µg/L	-	1/Year	Composite	ND < 0.11	U
beta-BHC	µg/L	-	1/Year	Composite	ND < 0.0039	U
beta-Endosulfan	µg/L	-	1/Year	Composite	ND < 0.0041	U
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	Composite	ND < 0.10	U
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	Composite	ND < 0.099	U
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	Composite	ND < 0.12	U
Bromoform	µg/L	-	1/Quarter	Grab	ND < 0.25	U
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	Grab	ND < 0.22	U
Butyl benzylphthalate	µg/L	-	1/Year	Composite	ND < 0.64	U
Carbon tetrachloride	µg/L	-	1/Quarter	Grab	ND < 0.28	U
Chlordane	µg/L	-	1/Year	Composite	ND < 0.026	U
Chlorobenzene	µg/L	-	1/Quarter	Grab	ND < 0.19	U
Chlorodibromomethane	µg/L	-	1/Quarter	Grab	ND < 0.15	U
Chloroethane	µg/L	-	1/Quarter	Grab	ND < 0.29	U
Chloroform	µg/L	-	1/Quarter	Grab	ND < 0.19	U
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	Grab	ND < 0.30	U
Chromium	µg/L	-	1/Year	Composite	1.1	J (DNQ)
Chromium III (Trivalent)	µg/L	-	1/Year	Composite	ND < 3.0	U
Chrysene	µg/L	-	1/Year	Composite	ND < 0.11	U
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	Grab	ND < 0.30	U
delta-BHC	µg/L	-	1/Year	Composite	0.0044	J (RPD, *III)
Dibenzo(a,h)anthracene	µg/L	-	1/Year	Composite	ND < 0.15	U

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/5/2023 07:55 - 1/6/2023 07:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dichlorobromomethane	µg/L	-	1/Quarter	Grab	ND < 0.19	U
Dieldrin	µg/L	-	1/Year	Composite	ND < 0.0013	U
Diethyl phthalate	µg/L	-	1/Year	Composite	ND < 0.17	U
Dimethyl phthalate	µg/L	-	1/Year	Composite	ND < 0.093	U
Di-n-butyl phthalate	µg/L	-	1/Year	Composite	ND < 1.8	U
Di-n-octyl phthalate	µg/L	-	1/Year	Composite	ND < 0.51	U
Endosulfan sulfate	µg/L	-	1/Year	Composite	ND < 0.0014	U
Endrin	µg/L	-	1/Year	Composite	ND < 0.0023	U
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	Composite	ND < 0.0019	U*
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	Composite	ND < 0.024	U
Ethylbenzene	µg/L	-	1/Quarter	Grab	ND < 0.25	U
Fluoranthene	µg/L	-	1/Year	Composite	ND < 0.096	U
Fluorene	µg/L	-	1/Year	Composite	ND < 0.090	U
gamma-BHC (Lindane)	µg/L	-	1/Year	Composite	ND < 0.00066	U
Heptachlor	µg/L	-	1/Year	Composite	0.0012	J (RPD, DNQ*III)
Heptachlor epoxide	µg/L	-	1/Year	Composite	ND < 0.0039	U
Hexachlorobenzene	µg/L	-	1/Year	Composite	ND < 0.13	U
Hexachlorobutadiene	µg/L	-	1/Year	Composite	ND < 0.15	U
Hexachlorocyclopentadiene	µg/L	-	1/Year	Composite	ND < 0.15	U
Hexachloroethane	µg/L	-	1/Year	Composite	ND < 0.12	U
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	Composite	ND < 0.12	U
Isophorone	µg/L	-	1/Year	Composite	ND < 0.094	U
m,p-Xylenes	µg/L	-	1/Year	Grab	ND < 0.17	U
Methylene chloride	µg/L	-	1/Quarter	Grab	ND < 0.57	U
Naphthalene (VOC)	µg/L	-	1/Year	Grab	ND < 0.33	U
Naphthalene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.10	U
Nitrobenzene	µg/L	-	1/Year	Composite	ND < 0.14	U
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	Composite	ND < 0.14	U
N-Nitrosodiphenylamine	µg/L	-	1/Year	Composite	ND < 0.10	U
o-Xylene	µg/L	-	1/Year	Grab	ND < 0.15	U
Phenanthrene	µg/L	-	1/Year	Composite	ND < 0.16	U
Phenol	µg/L	-	1/Year	Composite	ND < 0.50	U
Pyrene	µg/L	-	1/Year	Composite	ND < 0.082	U
Tetrachloroethene	µg/L	-	1/Quarter	Grab	ND < 0.21	U
Toluene	µg/L	-	1/Quarter	Grab	ND < 0.23	U
Toxaphene	µg/L	-	1/Year	Composite	ND < 0.054	U
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	Grab	ND < 0.24	U
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	Grab	ND < 0.18	U
Trichlorofluoromethane	µg/L	-	1/Year	Grab	ND < 0.29	U
Vinyl chloride	µg/L	-	1/Quarter	Grab	ND < 0.47	U
Xylenes (Total)	µg/L	-	1/Year	Grab	ND < 0.17	U

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/5/2023 07:55 - 1/6/2023 07:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	Grab	ND < 0.33	U
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	Grab	ND < 0.58	U
1,4-Dioxane	µg/L	-	1/Year	Composite	ND < 0.55	U
Boron	mg/L	-	1/Year	Composite	0.061	J (DNQ)
cis-1,2-Dichloroethene	µg/L	-	1/Year	Grab	ND < 0.21	U
Cobalt	µg/L	-	1/Year	Composite	0.51	J (DNQ)
Conductivity	µmhos/cm	-	1/Discharge	Grab	98	--
Cyclohexane	µg/L	-	1/Year	Grab	ND < 0.79	U
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	Grab	0.051	--
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	20.06	*
E. Coli	mpn/100mL	-	1/Year	Grab	650	--
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	Grab	ND < 0.03	U
Hardness (as CaCO3)	mg/L	-	1/Year	Composite	35	--
Monomethyl hydrazine	µg/L	-	1/Year	Composite	ND < 0.31	UJ (H)
Total Organic Carbon	mg/L	-	1/Year	Composite	17	--
Turbidity	NTU	-	1/Discharge	Composite	30	--
Vanadium	µg/L	-	1/Year	Composite	2.7	--
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	Composite	0.47	J (DNQ)
Arsenic, dissolved	µg/L	-	Additional/Year	Composite	0.79	J (DNQ)
Barium, dissolved	mg/L	-	Additional/Year	Composite	0.012	--
Beryllium, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.26	U
Boron, dissolved	mg/L	-	Additional/Year	Composite	0.059	J (DNQ)
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chlorpyrifos	µg/L	-	Additional <sup>(b)</sup>	Composite	ND < 0.0013	U
Chromium, dissolved	µg/L	-	Additional/Year	Composite	0.39	J (DNQ)
Cobalt, dissolved	µg/L	-	Additional/Year	Composite	0.15	J (DNQ)
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.8	J (DNQ)
Diazinon	µg/L	-	Additional <sup>(b)</sup>	Composite	ND < 0.0010	UJ (H)
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	Composite	35	--
Human Bacteroides	CEs/100mL	-	Additional/Year	Grab	ND	U*
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(c)</sup>	Composite	0.11	--
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(dp)</sup>	Composite	3.5	--
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	0.16	J (DNQ)
Nickel, dissolved	µg/L	-	Additional/Year	Composite	1.7	J (DNQ)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.23	U
Thallium, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.11	U
Vanadium, dissolved	µg/L	-	Additional/Year	Composite	1.2	J (DNQ)
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	4.8	J (DNQ)

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

1/9/2023 09:55 - 1/11/2023 07:30						
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.29926	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	ND < 1.0	U
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.35	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	7.4 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.14	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.12	U
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.7	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	5.5	--
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	0.58	J (DNQ)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.19	U
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.87	U
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	8.9	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.039	J (DNQ)
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	35	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass, 2.23	--
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.14	J (DNQ)
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(f)</sup>	Composite	0.16	--
Manganese	µg/L	50	1/Discharge <sup>(f)(p)</sup>	Composite	24	--
Nitrate - N	mg/L	8	1/Discharge	Composite	1.4	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	1.4	--
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	Composite	11	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	51.9	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	170	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR



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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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1/9/2023 09:55 - 1/11/2023 07:30						
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/9/2023 09:55 - 1/11/2023 07:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/9/2023 09:55 - 1/11/2023 07:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	160	--
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	12.88	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	5.1	--
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chlorpyrifos	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	4.1	--
Diazinon	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	Grab	ND	U*
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(c)</sup>	Composite	0.046	--
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(dp)</sup>	Composite	6.9	--
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	3.4	J (DNQ)

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/14/2023 11:30 - 1/15/2023 08:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.55946	
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	ND < 1.0	U
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.58	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	43 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	2.6	--
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	1.1	--
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.17	U
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	8.1	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	5.3	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.069	J (DNQ)
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(f)</sup>	Composite	3.6	--
Manganese	µg/L	50	1/Discharge <sup>(f)(p)</sup>	Composite	40	--
Nitrate - N	mg/L	8	1/Discharge	Composite	1.0	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	1.0	--
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.22	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	Composite	5.1	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	50.0	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	120	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/14/2023 11:30 - 1/15/2023 08:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/14/2023 11:30 - 1/15/2023 08:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/14/2023 11:30 - 1/15/2023 08:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	140	--
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	29.00	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	100	--
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chlorpyrifos	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.8	J (DNQ)
Diazinon	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(c)</sup>	Composite	0.24	--
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.14	J (DNQ)
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(dp)</sup>	Composite	2.6	--
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.8	U

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/20/2023 08:55 <sup>(m)(u)</sup>		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.35929	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	ND < 1.0	U
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.87	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	Composite	4.4 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.14	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.12	U
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.6	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	3.5	--
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	0.27	J (DNQ)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.19	U
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.84	U
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	4.2	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.035	J (DNQ)
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	4.5	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.069	J (DNQ)
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(f)</sup>	Composite	0.24	--
Manganese	µg/L	50	1/Discharge <sup>(f)(p)</sup>	Composite	8.9	--
Nitrate - N	mg/L	8	1/Discharge	Composite	0.88	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.88	--
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	Composite	6.6	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	44.6	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	120	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR



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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/20/2023 08:55 <sup>(m)(u)</sup>		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/20/2023 08:55 <sup>(m)(u)</sup>		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION/ QUALIFIER
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/20/2023 08:55 <sup>(m)(u)</sup>		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	140	--
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	18.01	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	9.0	--
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chlorpyrifos	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	3.4	--
Diazinon	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(c)</sup>	Composite	0.10	--
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.13	J (DNQ)
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(d)(p)</sup>	Composite	3.1	--
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	6.4	J (DNQ)

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	2/25/2023 07:10 - 2/26/2023 07:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.66779	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	2.4	*
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.38	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	45 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	4.2	--
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	2.3	--
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	25	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	3.5	J (DNQ*)
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(f)</sup>	Composite	3.7	--
Manganese	µg/L	50	1/Discharge <sup>(f)(p)</sup>	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.43	J (DNQ*)
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.43	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.22	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	0.40 <sup>(c)</sup>	--
Sulfate	mg/L	300	1/Discharge	Composite	5.2	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	43.4	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	120	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	2/25/2023 07:10 - 2/26/2023 07:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	2/25/2023 07:10 - 2/26/2023 07:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	2/25/2023 07:10 - 2/26/2023 07:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	72	--
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	17.54	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	80	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chlorpyrifos	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	2.2	--
Diazinon	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(c)</sup>	Composite	0.29	--
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.2	J (DNQ)
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(dp)</sup>	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	4.9	J (DNQ)

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/4/2023 08:45 - 3/5/2023 08:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.14200	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	5.2	*
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.53	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.21	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	2.1 <sup>(d)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	1.4	J (DNQ)
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	ND < 0.12	U
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.17	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.79	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	Composite	ND < 2.8	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	6.1	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.051	J (DNQ*)
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(f)</sup>	Composite	0.11	--
Manganese	µg/L	50	1/Discharge <sup>(f)(p)</sup>	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.24	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.35	*
Nitrite - N	mg/L	1	1/Discharge	Composite	0.11	*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	Composite	13	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	48.2	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	130	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR



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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/4/2023 08:45 - 3/5/2023 08:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/4/2023 08:45 - 3/5/2023 08:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/4/2023 08:45 - 3/5/2023 08:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	190	*
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	44.61	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	2.0	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	0.13	J (DNQ)
Chlorpyrifos	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.4	J (DNQ)
Diazinon	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(c)</sup>	Composite	0.071	J+ (B)
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.17	J (DNQ)
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(dp)</sup>	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	3.6	J (DNQ)

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

3/6/2023 08:25 - 3/7/2023 07:55						
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.068620	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	1.7	J (DNQ*)
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.52	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.41	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	ND < 0.83	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.15	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.12	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.8	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	1.5	J (DNQ*)
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	ND < 0.12	U*
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.19	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.88	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U*
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	Composite	2.9	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	7.1	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(f)</sup>	Composite	0.096	*
Manganese	µg/L	50	1/Discharge <sup>(f)(p)</sup>	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.24	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.24	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	Composite	16	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	45.7	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	130	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/6/2023 08:25 - 3/7/2023 07:55		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/6/2023 08:25 - 3/7/2023 07:55		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

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THE BOEING COMPANY  
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NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/6/2023 08:25 - 3/7/2023 07:55		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	190	*
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	43.36	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	1.3	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chlorpyrifos	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.3	J (DNQ*)
Diazinon	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(c)</sup>	Composite	0.046	*
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(d)(p)</sup>	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U*
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	3.0	J (DNQ*)

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/10/2023 09:15 - 3/11/2023 08:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.49852	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	ND < 1.0	U*
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.48	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	27 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	2.7	*
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	1.2	*
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.17	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.79	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U*
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	Composite	12	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	6.0	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(f)</sup>	Composite	1.9	--
Manganese	µg/L	50	1/Discharge <sup>(f)(p)</sup>	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.28	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.28	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	Composite	13	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	50.4	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	120	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR



OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/10/2023 09:15 - 3/11/2023 08:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/10/2023 09:15 - 3/11/2023 08:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/10/2023 09:15 - 3/11/2023 08:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	200	*
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	8.37	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	55	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chlorpyrifos	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.4	J (DNQ*)
Diazinon	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(c)</sup>	Composite	0.074	*
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(d)</sup>	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U*
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	3.8	J (DNQ*)

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/20/2023 11:45 - 3/21/2023 09:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.50583	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	ND < 1.0	U*
Oil & Grease	mg/L	15	1/Discharge	Grab	0.68	J (DNQ*)
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.02	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	2.4 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	1.5	J (DNQ*)
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	0.14	J (DNQ*)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	0.59 <sup>(f)</sup>	J (DNQ*)
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	Composite	3.1	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	9.8	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(f)</sup>	Composite	0.067	*
Manganese	µg/L	50	1/Discharge <sup>(f)(p)</sup>	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.18	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.18	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	Composite	49	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	57.3	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	190	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/20/2023 11:45 - 3/21/2023 09:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/20/2023 11:45 - 3/21/2023 09:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

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ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/20/2023 11:45 - 3/21/2023 09:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	200	*
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	7.22	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	1.3	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chlorpyrifos	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.4	J (DNQ*)
Diazinon	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(c)</sup>	Composite	0.018	J (DNQ*)
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(d)(p)</sup>	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	0.58	J (DNQ*)
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.8	U*

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/29/2023 11:10 - 3/30/2023 11:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.42090	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	ND < 1.0	U*
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.51	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	6.55	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	2.0 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	1.5	J (DNQ*)
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	0.36	J (DNQ*)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.81	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	0.64 <sup>(f)</sup>	J (DNQ*)
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	Composite	4.1	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	6.5	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(f)</sup>	Composite	0.29	*
Manganese	µg/L	50	1/Discharge <sup>(f)(p)</sup>	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.17	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.17	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	0.10 <sup>(c)</sup>	*
Sulfate	mg/L	300	1/Discharge	Composite	15	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	55.3	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	160	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR



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NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/29/2023 11:10 - 3/30/2023 11:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/29/2023 11:10 - 3/30/2023 11:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/29/2023 11:10 - 3/30/2023 11:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	170	*
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	6.17	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	5.7	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chlorpyrifos	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.1	J (DNQ*)
Diazinon	µg/L	-	Additional <sup>(b)</sup>	ANR	ANR	ANR
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(c)</sup>	Composite	0.069	*
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.15	J (DNQ*)
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(dp)</sup>	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	0.70	J (DNQ*)
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	2.9	J (DNQ*)

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/6/2023 07:20 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.0E-06	2.2E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	3.1E-07	7.7E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	2.8E-07	8.3E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	2.8E-07	2.3E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	2.1E-07	7.1E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.5E-07	8.7E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.9E-07	6.6E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.4E-07	8.8E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.4E-07	2.5E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.0E-07	3.9E-07	U (B)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.4E-07	1.3E-06	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.3E-07	4.3E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.7E-07	3.9E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	2.0E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	4.9E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	1.2E-06	1.7E-04	--	1.7E-10
OCDF	1/Discharge	0.0001	0.02	µg/L	4.8E-07	1.4E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	1.7E-10
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/11/2023 07:30 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	2.0E-07	1.5E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	8.7E-07	1.3E-05	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	8.1E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	2.0E-07	2.0E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.2E-07	5.4E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.3E-07	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.2E-07	6.1E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.0E-07	9.7E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.2E-07	7.1E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.6E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.1E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.1E-07	5.1E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.3E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	5.9E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	8.5E-08	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	6.7E-07	2.4E-04	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	6.1E-07	1.4E-05	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08**

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/15/2023 08:30 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	7.2E-07	4.0E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	4.1E-07	9.9E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	4.7E-07	5.5E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	1.8E-07	2.1E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.8E-07	7.6E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	1.9E-07	2.3E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.7E-07	6.1E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	1.7E-07	1.2E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.8E-07	4.2E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.5E-07	5.3E-07	U (B)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.3E-07	4.0E-07	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.6E-07	6.5E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.6E-07	3.1E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	2.6E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	1.2E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	1.9E-06	3.0E-04	--	3.0E-10
OCDF	1/Discharge	0.0001	0.02	µg/L	3.9E-07	2.9E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	3.0E-10
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/20/2023 08:55 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	4.5E-07	6.5E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	2.4E-07	3.6E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	2.6E-07	4.8E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	1.7E-07	2.0E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.7E-07	5.4E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	1.6E-07	7.0E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.5E-07	4.6E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	1.4E-07	5.8E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.6E-07	5.2E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.8E-07	4.5E-07	UJ (*III)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.5E-07	4.2E-07	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.4E-07	4.4E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.7E-07	4.2E-07	UJ (*III)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	5.6E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.4E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	6.3E-07	5.9E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	2.4E-07	4.8E-06	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	2/26/2023 07:20 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.3E-06	4.3E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	6.3E-07	1.3E-05	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	6.4E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	7.2E-07	2.4E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	3.9E-07	1.8E-06	UJ (*III)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	7.3E-07	1.3E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	3.7E-07	8.4E-07	UJ (*III)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	6.4E-07	9.7E-07	UJ (*III)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	3.6E-07	1.1E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	6.4E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	5.4E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	3.4E-07	8.2E-07	UJ (*III)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	6.1E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	1.3E-06	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	6.5E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	3.1E-06	8.3E-04	--	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	6.4E-07	2.1E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08



**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/5/2023 08:25 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	3.4E-07	3.9E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	3.1E-07	2.1E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	3.3E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	3.8E-07	1.9E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	2.1E-07	3.8E-07	J (DNQ)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	3.9E-07	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	2.1E-07	2.8E-07	UJ (*III)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	3.4E-07	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	2.1E-07	5.3E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	3.5E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	2.7E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.9E-07	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	3.1E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	7.2E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.0E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	3.5E-07	2.3E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	3.1E-07	4.3E-06	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/7/2023 07:55 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	3.8E-07	3.5E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	3.6E-07	2.4E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	4.0E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	3.5E-07	2.2E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.2E-07	6.3E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	3.6E-07	8.0E-07	UJ (*III)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.2E-07	3.3E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	3.1E-07	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.4E-07	5.7E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	3.2E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	2.4E-07	2.4E-07	UJ (*III)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.2E-07	3.7E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.6E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	6.7E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	2.6E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	3.0E-07	2.2E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	2.8E-07	5.4E-06	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08**

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/11/2023 08:00 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	8.0E-07	1.7E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	7.9E-07	7.5E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	8.3E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	5.1E-07	1.9E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	2.3E-07	6.9E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	4.8E-07	1.0E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	2.1E-07	4.5E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	4.4E-07	5.6E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	2.3E-07	5.2E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	3.8E-07	4.9E-07	UJ (*III)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	2.2E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.8E-07	6.8E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.7E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	4.5E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	1.9E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	8.6E-07	1.8E-04	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	4.5E-07	1.5E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/21/2023 09:20 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.7E-08	1.5E-06	UJ (*III)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	1.2E-08	7.1E-07	J (DNQ)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.2E-08	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	6.8E-09	ND	U	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	3.5E-09	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	7.0E-09	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	3.6E-09	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	6.3E-09	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	3.7E-09	ND	U	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	1.5E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	5.2E-09	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	3.2E-09	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	6.1E-09	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	1.1E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	4.9E-09	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	7.8E-08	7.9E-06	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	1.8E-08	4.6E-07	UJ (*III)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/30/2023 11:15 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.2E-07	6.6E-06	UJ (BL)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	7.0E-08	4.3E-06	UJ (BL)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	7.4E-08	ND	UJ (L)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	2.2E-08	ND	UJ (L)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	4.2E-08	ND	UJ (L)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.2E-08	ND	UJ (L)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	3.8E-08	ND	UJ (L)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.0E-08	ND	UJ (L)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	4.6E-08	ND	UJ (L)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	1.6E-08	ND	UJ (L)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.9E-08	1.1E-06	UJ (L*III)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	3.8E-08	ND	UJ (L)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.2E-08	ND	UJ (L)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	3.8E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	1.2E-08	ND	UJ (L)	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	3.6E-07	3.7E-05	UJ (BL)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	3.3E-07	5.7E-06	UJ (BL)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/6/2023 07:20 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.64 ± 0.943	1.24	--
Gross Beta	pCi/L	50	1/Discharge	2.60 ± 0.777	0.888	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.41 ± 0.609	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	0.123 ± 0.332	0.577	U
Tritium	pCi/L	20,000	1/Discharge	-50.9 ± 158	299	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-3.37 ± 10.9	13.3	U
Uranium	pCi/L	20	1/Discharge	0.542 ± 0.361	0.342	--
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	44.2 ± 79.5	91.6	U

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/11/2023 07:30 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.558 ± 1.04	1.81	U
Gross Beta	pCi/L	50	1/Discharge	0.931 ± 0.621	0.938	U
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.06 ± 0.587	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	0.411 ± 0.468	0.768	U
Tritium	pCi/L	20,000	1/Discharge	-161 ± 149	314	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-4.58 ± 8.25	9.39	U
Uranium	pCi/L	20	1/Discharge	0.322 ± 0.316	0.385	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	63.6 ± 52.3	49.2	--

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/15/2023 08:30 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	3.75 ± 1.70	2.19	--
Gross Beta	pCi/L	50	1/Discharge	4.44 ± 1.02	1.02	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	2.08 ± 1.33	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	0.919 ± 0.998	1.63	U
Tritium	pCi/L	20,000	1/Discharge	64.4 ± 152	267	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	2.64 ± 6.41	7.49	U
Uranium	pCi/L	20	1/Discharge	0.319 ± 0.635	0.909	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	78.7 ± 69.3	67.4	--



OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/20/2023 08:55 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.363 ± 0.869	1.55	U
Gross Beta	pCi/L	50	1/Discharge	2.21 ± 0.747	0.938	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.806 ± 0.472	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	0.311 ± 0.369	0.607	U
Tritium	pCi/L	20,000	1/Discharge	123 ± 169	281	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-1.28 ± 7.40	8.69	U
Uranium	pCi/L	20	1/Discharge	0.756 ± 0.369	0.322	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	35.2 ± 64.2	65.8	U

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	2/26/2023 07:20 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	3.14 ± 1.25	1.34	*
Gross Beta	pCi/L	50	1/Discharge	3.06 ± 0.826	0.859	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.448 ± 1.22	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	-0.201 ± 0.443	0.838	U*
Tritium	pCi/L	20,000	1/Discharge	-23.4 ± 165	305	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-0.681 ± 10.5	12.9	U*
Uranium	pCi/L	20	1/Discharge	0.503 ± 0.383	0.383	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-28.6 ± 172	183	U*

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

				3/5/2023 08:25 (Composite)		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.416 ± 0.830	1.46	U*
Gross Beta	pCi/L	50	1/Discharge	1.08 ± 0.573	0.813	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.882 ± 0.505	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	-0.173 ± 0.383	0.724	U*
Tritium	pCi/L	20,000	1/Discharge	15.3 ± 137	248	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-10.4 ± 19.3	23.3	U*
Uranium	pCi/L	20	1/Discharge	0.121 ± 0.175	0.250	U*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-26.6 ± 164	237	U*

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

				3/7/2023 07:55 (Composite)		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.765 ± 1.01	1.69	U*
Gross Beta	pCi/L	50	1/Discharge	1.07 ± 0.604	0.867	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.904 ± 0.436	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	-0.405 ± 0.434	0.849	U*
Tritium	pCi/L	20,000	1/Discharge	117 ± 147	245	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	0.0156 ± 8.53	11.4	U*
Uranium	pCi/L	20	1/Discharge	0.439 ± 0.253	0.177	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-31.4 ± 113	172	U*

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/11/2023 08:00 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	2.25 ± 1.47	2.12	*
Gross Beta	pCi/L	50	1/Discharge	1.90 ± 0.734	0.937	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.609 ± 0.411	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	-0.0613 ± 0.361	0.655	U*
Tritium	pCi/L	20,000	1/Discharge	38.3 ± 188	338	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	7.54 ± 7.37	8.16	U*
Uranium	pCi/L	20	1/Discharge	0.365 ± 0.289	0.287	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	123 ± 59.7	50.2	*

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

				3/21/2023 09:20 (Composite)		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.267 ± 0.948	1.75	U*
Gross Beta	pCi/L	50	1/Discharge	2.58 ± 0.750	0.854	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.824 ± 0.539	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	0.354 ± 0.540	0.907	U*
Tritium	pCi/L	20,000	1/Discharge	-13.5 ± 224	409	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-5.28 ± 11.6	14.0	U*
Uranium	pCi/L	20	1/Discharge	0.207 ± 0.147	0.124	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-82.0 ± 121	180	U*

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/30/2023 11:15 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	-0.235 ± 2.44	4.66	U*
Gross Beta	pCi/L	50	1/Discharge	2.29 ± 1.51	2.29	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.819 ± 0.512	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	0.165 ± 0.340	0.585	U*
Tritium	pCi/L	20,000	1/Discharge	119 ± 236	395	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	3.08 ± 6.89	8.59	U*
Uranium	pCi/L	20	1/Discharge	0.283 ± 0.271	0.354	U*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-36.7 ± 90.6	143	U*

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/5/2023 07:55 - 1/6/2023 07:20		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	0.26093	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	44 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	Composite	0.0010	J (DNQ)
Arsenic	LBS/DAY	9.83	1/Year	Composite	0.0021	J (DNQ)
Beryllium	LBS/DAY	3.93	1/Year	Composite	ND	U
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	Composite	0.00014	J (DNQ)
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.0061	J+ (B)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U (B)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	Composite	0.0052	--
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	Composite	ND	U
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	3.7E-13	*
Thallium	LBS/DAY	1.97	1/Year	Composite	ND	U
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	0.028	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	0.12	J (DNQ)
Barium	LBS/DAY	983	1/Year	Composite	0.041	--
Chloride	LBS/DAY	147,405	1/Discharge	Composite	11	J (DNQ)
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	Grab	0.0	*
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	0.24	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	Composite	ND	U
Iron	LBS/DAY	295	1/Discharge <sup>(f)</sup>	Composite	1.8	--
Manganese	LBS/DAY	49.1	1/Discharge <sup>(f)(kp)</sup>	Composite	0.057	--
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	6.1	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	6.1	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	12	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	280	--



OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/9/2023 09:55 - 1/11/2023 07:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.29926	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	18 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.014	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0014	J (DNQ)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	0.022	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	0.097	J (DNQ)
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	87	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	0.35	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(f)</sup>	Composite	0.40	--
Manganese	LBS/DAY	49.1	1/Discharge <sup>(f)(kp)</sup>	Composite	0.060	--
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	3.5	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	3.5	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	27	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	420	--

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/14/2023 11:30 - 1/15/2023 08:30		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	0.55946	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	200 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.012	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0051	--
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	1.4E-12	*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	0.038	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	25	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	0.32	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(f)</sup>	Composite	17	--
Manganese	LBS/DAY	49.1	1/Discharge <sup>(f)(kp)</sup>	Composite	0.19	--
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	4.7	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	4.7	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	24	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	560	--

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	1/20/2023 08:55 <sup>(m)(u)</sup>	
					RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.35929	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	13 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.010	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	8.1E-04	J (DNQ)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	0.013	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	0.1	J (DNQ)
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	13	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	0.21	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(f)</sup>	Composite	0.72	--
Manganese	LBS/DAY	49.1	1/Discharge <sup>(f)(kp)</sup>	Composite	0.027	--
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	2.6	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	2.6	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	20	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	360	--

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	2/25/2023 07:10 - 2/26/2023 07:20		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	0.66779	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	13	*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	250 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.023	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.013	--
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	0.14	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	20	J (DNQ*)
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(f)</sup>	Composite	21	--
Manganese	LBS/DAY	49.1	1/Discharge <sup>(f)(kp)</sup>	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	2.4	J (DNQ*)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	2.4	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	29	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	670	*

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/4/2023 08:45 - 3/5/2023 08:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.14200	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	6.2	*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	2.5 <sup>(d)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.0017	J (DNQ)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	ND	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	7.2	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	0.060	J (DNQ*)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(f)</sup>	Composite	0.13	--
Manganese	LBS/DAY	49.1	1/Discharge <sup>(f)(kp)</sup>	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	0.28	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	0.41	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	0.13	*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	15	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	150	*

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/6/2023 08:25 - 3/7/2023 07:55		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.068620	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	0.97	J (DNQ*)
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	ND	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.00086	J (DNQ*)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U*
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U*
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	0.0017	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	4.1	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(1)</sup>	Composite	0.055	*
Manganese	LBS/DAY	49.1	1/Discharge <sup>(1)(KP)</sup>	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	0.14	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	0.14	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	9.2	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	74	*

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/10/2023 09:15 - 3/11/2023 08:00		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	0.49852	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	110 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.011	*
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0050	*
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U*
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	0.050	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	25	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(f)</sup>	Composite	7.9	--
Manganese	LBS/DAY	49.1	1/Discharge <sup>(f)(kp)</sup>	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	1.2	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	1.2	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	54	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	500	*

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

**OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/20/2023 11:45 - 3/21/2023 09:20		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	0.50583	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	2.9	J (DNQ*)
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	10 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.0063	J (DNQ*)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.00059	J (DNQ*)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	0.0025 <sup>(f)</sup>	J (DNQ*)
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	0.013	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	41	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(g)</sup>	Composite	0.28	*
Manganese	LBS/DAY	49.1	1/Discharge <sup>(r)(p)</sup>	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	0.76	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	0.76	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	210	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	800	*



OUTFALL 001  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2021

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/29/2023 11:10 - 3/30/2023 11:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.42090	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	7.0 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.0053	J (DNQ*)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0013	J (DNQ*)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	0.0023 <sup>(f)</sup>	J (DNQ*)
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	0.014	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	23	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(g)</sup>	Composite	1.0	*
Manganese	LBS/DAY	49.1	1/Discharge <sup>(r)(p)</sup>	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	0.60	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	0.60	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	53	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	560	*

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/1/2023 09:30 - 1/2/2023 09:15		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	1/Quarter	-	Meas	0.17216	*
<b>CONVENTIONAL POLLUTANTS</b>								
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	NA	-	Composite	2.2	--
Oil & Grease	mg/L	15	1/Discharge	NA	-	Grab	ND < 0.54	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	1/Quarter	6.5-8.5	Grab	8.33	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	1/Year	-	Composite	20 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>								
1,1-Dichloroethene	µg/L	6.0	1/Discharge	1/5 Years	-	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	1/5 Years	-	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	1/5 Years	-	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	1/5 Years	-	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	1/5 Years	-	Composite	ND < 2.0	U (B)
Arsenic	µg/L	10.0	1/Year	1/5 Years	-	Composite	1.6	--
Beryllium	µg/L	4.0	1/Year	1/5 Years	-	Composite	ND < 0.26	U
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	1/5 Years	-	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	1/5 Years	-	Composite	0.043	J (DNQ)
Copper	µg/L	14	1/Discharge	1/5 Years	-	Composite	2.7	--
Cyanide	µg/L	8.5	1/Discharge	1/5 Years	-	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	1/5 Years	-	Composite	0.85	J (DNQ)
Mercury	µg/L	0.1	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	1/5 Years	-	Composite	1.9	J (DNQ)
N-Nitrosodimethylamine	µg/L	16	1/Discharge	1/5 Years	-	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	1/5 Years	-	Composite	ND < 0.80	U
Selenium	µg/L	(5) 8.2	1/Discharge	1/5 Years	-	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	1/5 Years	-	Composite	0.28	J (DNQ)
Thallium	µg/L	2.0	1/Year	1/5 Years	-	Composite	ND < 0.11	U
Trichloroethene	µg/L	5.0	1/Discharge	1/5 Years	-	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	1/5 Years	-	Composite	7.4	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Ammonia - N	mg/L	10.1	1/Discharge	NA	-	Composite	ND < 0.032	U
Barium	mg/L	1.0	1/Year	NA	-	Composite	0.031	--
Chloride	mg/L	150	1/Discharge	NA	-	Composite	12	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	NA	-	Grab	0.0	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	NA	-	Composite	Pass, 0 <sup>(2)</sup>	--
Detergents (as MBAS)	mg/L	0.5	1/Discharge	NA	-	Composite	0.14	J (DNQ)
Fluoride	mg/L	1.6	1/Year	NA	-	Composite	ND < 0.23	U
Iron	mg/L	0.3	1/Discharge <sup>(7)(p)</sup>	NA	-	Composite	0.86	--
Manganese	µg/L	50	1/Year	NA	-	Composite	31	--
Nitrate - N	mg/L	8	1/Discharge	NA	-	Composite	0.84	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	NA	-	Composite	0.84	--

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/1/2023 09:30 - 1/2/2023 09:15		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Nitrite - N	mg/L	1	1/Discharge	NA	-	Composite	ND < 0.22	U
Perchlorate	µg/L	6.0	1/Discharge	NA	-	Composite	ND < 0.91	U
Perchlorate by 6850	µg/L	6.0	1/Discharge	NA	-	ANR	ANR	ANR
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	NA	-	Grab	0.10 <sup>(6)</sup>	--
Sulfate	mg/L	300	1/Discharge	NA	-	Composite	74	--
Temperature (Field)	Deg F	86	1/Discharge	1/Quarter	-	Grab	49.6	*
Total Dissolved Solids	mg/L	950	1/Discharge	NA	-	Composite	300	--
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.25	U
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.20	U
1,1,2-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.17	U
1,1-Dichloroethane	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.39	U
1,2,4-Trichlorobenzene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.12	U
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.16	U
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.11	U
1,2-Dichloropropane	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.17	U
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.086	U
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.16	U
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.11	U
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.11	U
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.13	U
2,4-Dichlorophenol	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.13	U
2,4-Dimethylphenol	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.12	U
2,4-Dinitrophenol	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 4.1	U
2,6-Dinitrotoluene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.17	U
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	Grab	ND < 1.1	U
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	Grab	ND < 0.19	UJ (H)
2-Chloronaphthalene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.14	U
2-Chlorophenol	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.091	U
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 4.3	U
2-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 3.3	U
3,3'-Dichlorobenzidine	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 2.9	U
4,4'-DDD	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.0044	U
4,4'-DDE	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.0019	U
4,4'-DDT	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.0016	U
4-Bromophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.095	U
4-Chloro-3-methylphenol	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.13	U
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.16	U
4-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 3.2	U
Acenaphthene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.094	U
Acenaphthylene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.12	U
Acrolein	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 4.6	U
Acrylonitrile	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 1.4	U

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/1/2023 09:30 - 1/2/2023 09:15		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Aldrin	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.0031	U
alpha-Endosulfan	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.0013	U
Anthracene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.080	U
Aroclor 1016	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.044	U
Aroclor 1221	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.044	U
Aroclor 1232	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.044	U
Aroclor 1242	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.044	U
Aroclor 1248	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.044	U
Aroclor 1254	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.052	U
Aroclor 1260	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.052	U
Benzene	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.28	U
Benidine	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 2.6	U
Benzo(a)anthracene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.12	U
Benzo(a)pyrene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.15	U
Benzo(b)fluoranthene	µg/L	-	1/Year	1/5 Years	-	Composite	0.15	J (DNQ)
Benzo(g,h,i)perylene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.10	U
Benzo(k)fluoranthene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.11	U
beta-BHC	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.0039	U
beta-Endosulfan	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.0041	U
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.10	U
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.099	U
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.12	U
Bromoform	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.25	U
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.22	U
Butyl benzylphthalate	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.64	U
Carbon tetrachloride	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.28	U
Chlordane	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.026	U
Chlorobenzene	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.19	U
Chlorodibromomethane	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.15	U
Chloroethane	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.29	U
Chloroform	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.19	U
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.30	U
Chromium	µg/L	-	1/Year	1/5 Years	-	Composite	1.5	J (DNQ)
Chromium III (Trivalent)	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 3.0	U
Chrysene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.11	U
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.30	U
delta-BHC	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.0020	U
Dibenzo(a,h)anthracene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.15	U
Dichlorobromomethane	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.19	U
Dieldrin	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.0013	U
Diethyl phthalate	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.17	U
Dimethyl phthalate	µg/L	-	1/Year	1/5 Years	-	Composite	0.11	J (DNQ)
Di-n-butyl phthalate	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 1.8	U

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/1/2023 09:30 - 1/2/2023 09:15		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-octyl phthalate	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.51	U
Endosulfan sulfate	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.0014	U
Endrin	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.0023	U
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.024	U
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.0019	U*
Ethylbenzene	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.25	U
Fluoranthene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.096	U
Fluorene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.090	U
gamma-BHC (Lindane)	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.00066	U
Heptachlor	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.0012	U
Heptachlor epoxide	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.0039	U
Hexachlorobenzene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.13	U
Hexachlorobutadiene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.14	U
Hexachlorocyclopentadiene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.15	U
Hexachloroethane	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.12	U
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	1/5 Years	-	Composite	0.14	J (DNQ)
Isophorone	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.094	U
m,p-Xylenes	µg/L	-	1/Year	1/5 Years	-	Grab	ND < 0.17	U
Methylene chloride	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.57	U
Naphthalene (VOC)	µg/L	-	1/Year	1/5 Years	-	Grab	ND < 0.33	U
Naphthalene (SVOC)	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.10	U
Nitrobenzene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.14	U
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.14	U
N-Nitrosodiphenylamine	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.10	U
o-Xylene	µg/L	-	1/Year	1/5 Years	-	Grab	ND < 0.15	U
Phenanthrene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.16	U
Phenol	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.50	U
Pyrene	µg/L	-	1/Year	1/5 Years	-	Composite	ND < 0.082	U
Tetrachloroethene	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.21	U
Toluene	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.23	U
Toxaphene	µg/L	-	1/Year	1/Quarter	-	Composite	ND < 0.054	U
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.24	U
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.18	U
Trichlorofluoromethane	µg/L	-	1/Year	1/5 Years	-	Grab	ND < 0.29	U
Vinyl chloride	µg/L	-	1/Quarter	1/5 Years	-	Grab	ND < 0.47	U
Xylenes (Total)	µg/L	-	1/Year	1/5 Years	-	Grab	ND < 0.17	U
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	NA	-	Grab	ND < 0.33	U
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	NA	-	Grab	ND < 0.58	U
1,4-Dioxane	µg/L	-	1/Year	NA	-	Composite	ND < 0.55	U
Boron	mg/L	-	1/Year	NA	-	Composite	0.078	J (DNQ)
cis-1,2-Dichloroethene	µg/L	-	1/Year	NA	-	Grab	ND < 0.21	U
Cobalt	µg/L	-	1/Year	NA	-	Composite	0.65	J (DNQ)

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/1/2023 09:30 - 1/2/2023 09:15		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Conductivity	µmhos/cm	-	1/Discharge	NA	-	Grab	410	--
Cyclohexane	µg/L	-	1/Year	NA	-	Grab	ND < 0.79	U
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	NA	-	Grab	0.037	J (DNQ*)
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	NA	-	Grab	9.19	*
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	NA	-	Grab	ND < 0.03	U
Hardness (as CaCO3)	mg/L	-	1/Year	1/Quarter	-	Composite	140	--
Monomethyl hydrazine	µg/L	-	1/Year	NA	-	Composite	ND < 0.31	UJ (H)
Total Organic Carbon	mg/L	-	1/Year	NA	-	Composite	15	--
Turbidity	NTU	-	1/Discharge	NA	-	Composite	55	--
Vanadium	µg/L	-	1/Year	NA	-	Composite	3.9	--
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-	Additional/Year	NA	-	Composite	0.76	J (DNQ)
Arsenic, dissolved	µg/L	-	Additional/Year	NA	-	Composite	1.2	--
Barium, dissolved	mg/L	-	Additional/Year	NA	-	Composite	0.023	--
Beryllium, dissolved	µg/L	-	Additional/Year	NA	-	Composite	ND < 0.26	U
Boron, dissolved	mg/L	-	Additional/Year	NA	-	Composite	0.071	J (DNQ)
Cadmium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	NA	-	Composite	0.24	J (DNQ)
Cobalt, dissolved	µg/L	-	Additional/Year	NA	-	Composite	0.19	J (DNQ)
Copper, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	2.0	--
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	NA	-	Composite	130	--
Human Bacteroides	CEs/100mL	-	Additional/Year	NA	-	Grab	ND	U*
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(7)(8)</sup>	NA	-	Composite	0.062	--
Lead, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Year	NA	-	Composite	4.2	--
Mercury, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	NA	-	Composite	0.99	J (DNQ)
Selenium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 2.0	U (B)
Silver, dissolved	µg/L	-	Additional/Year	NA	-	Composite	ND < 0.23	U
Thallium, dissolved	µg/L	-	Additional/Year	NA	-	Composite	ND < 0.11	U
Vanadium, dissolved	µg/L	-	Additional/Year	NA	-	Composite	1.4	J (DNQ)
Zinc, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 2.8	U

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January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/5/2023 10:55 - 1/6/2023 10:50		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	1/Quarter	-	Meas	4.3403	*
<b>CONVENTIONAL POLLUTANTS</b>								
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	NA	-	Composite	ND < 1.0	U
Oil & Grease	mg/L	15	1/Discharge	NA	-	Grab	ND < 0.53	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	1/Quarter	6.5-8.5	Grab	7.37	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	1/Year	-	Composite	23 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>								
1,1-Dichloroethene	µg/L	6.0	1/Discharge	1/5 Years	-	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	1/5 Years	-	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	1/5 Years	-	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	1/5 Years	-	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	1/5 Years	-	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	1/5 Years	-	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	1/5 Years	-	Composite	3.6	--
Cyanide	µg/L	8.5	1/Discharge	1/5 Years	-	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	1/5 Years	-	Composite	ND < 1.1	U (B)
Mercury	µg/L	0.1	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	1/5 Years	-	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	1/5 Years	-	Composite	ND < 0.81	U
Selenium	µg/L	(5) 8.2	1/Discharge	1/5 Years	-	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	1/5 Years	-	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	1/5 Years	-	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	1/5 Years	-	Composite	15	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Ammonia - N	mg/L	10.1	1/Discharge	NA	-	Composite	0.038	J (DNQ)
Barium	mg/L	1.0	1/Year	NA	-	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	NA	-	Composite	5.1	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	NA	-	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	NA	-	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	NA	-	Composite	0.085	J (DNQ)
Fluoride	mg/L	1.6	1/Year	NA	-	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(7)(p)</sup>	NA	-	Composite	0.93	--
Manganese	µg/L	50	1/Year	NA	-	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	NA	-	Composite	1.2	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	NA	-	Composite	1.2	--

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/5/2023 10:55 - 1/6/2023 10:50		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Nitrite - N	mg/L	1	1/Discharge	NA	-	Composite	ND < 0.22	U
Perchlorate	µg/L	6.0	1/Discharge	NA	-	Composite	ND < 0.91	U
Perchlorate by 6850	µg/L	6.0	1/Discharge	NA	-	ANR	ANR	ANR
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	NA	-	Grab	0.20 <sup>(c)</sup>	--
Sulfate	mg/L	300	1/Discharge	NA	-	Composite	40	--
Temperature (Field)	Deg F	86	1/Discharge	1/Quarter	-	Grab	54.1	*
Total Dissolved Solids	mg/L	950	1/Discharge	NA	-	Composite	170	--
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR



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SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/5/2023 10:55 - 1/6/2023 10:50		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Aldrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Benidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR

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FIRST QUARTER 2023  
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NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/5/2023 10:55 - 1/6/2023 10:50		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-octyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	NA	-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Boron	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	NA	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/5/2023 10:55 - 1/6/2023 10:50		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Conductivity	µmhos/cm	-	1/Discharge	NA	-	Grab	130	--
Cyclohexane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	NA	-	Grab	15.51	*
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	NA	-	Composite	29	--
Vanadium	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	2.4	--
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	NA	-	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(7)(8)</sup>	NA	-	Composite	0.065	--
Lead, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.13	J (DNQ)
Manganese, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.14	J (DNQ)
Nickel, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	2.9	J (DNQ)

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/9/2023 09:25 - 1/10/2023 10:20		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	1/Quarter	-	Meas	15.663	*
<b>CONVENTIONAL POLLUTANTS</b>								
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	NA	-	Composite	ND < 1.0	U
Oil & Grease	mg/L	15	1/Discharge	NA	-	Grab	ND < 0.52	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	1/Quarter	6.5-8.5	Grab	8.21	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	1/Year	-	Composite	5.2 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>								
1,1-Dichloroethene	µg/L	6.0	1/Discharge	1/5 Years	-	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	1/5 Years	-	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	1/5 Years	-	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	1/5 Years	-	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	1/5 Years	-	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	1/5 Years	-	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	1/5 Years	-	Composite	2.1	--
Cyanide	µg/L	8.5	1/Discharge	1/5 Years	-	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	1/5 Years	-	Composite	0.27	J (DNQ)
Mercury	µg/L	0.1	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	1/5 Years	-	Composite	ND < 0.17	U
Pentachlorophenol	µg/L	16.5	1/Discharge	1/5 Years	-	Composite	ND < 0.79	U
Selenium	µg/L	(5) 8.2	1/Discharge	1/5 Years	-	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	1/5 Years	-	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	1/5 Years	-	Grab	1.4	--
Zinc	µg/L	119	1/Discharge	1/5 Years	-	Composite	7.8	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Ammonia - N	mg/L	10.1	1/Discharge	NA	-	Composite	ND < 0.032	U
Barium	mg/L	1.0	1/Year	NA	-	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	NA	-	Composite	4.9	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	NA	-	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	NA	-	Composite	Pass, -43.82 <sup>(aa)</sup>	--
Detergents (as MBAS)	mg/L	0.5	1/Discharge	NA	-	Composite	0.27	J (DNQ)
Fluoride	mg/L	1.6	1/Year	NA	-	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(r)(p)</sup>	NA	-	Composite	0.14	--
Manganese	µg/L	50	1/Year	NA	-	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	NA	-	Composite	1.1	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	NA	-	Composite	1.2	--

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/9/2023 09:25 - 1/10/2023 10:20		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Nitrite - N	mg/L	1	1/Discharge	NA	-	Composite	0.094	J (DNQ)
Perchlorate	µg/L	6.0	1/Discharge	NA	-	Composite	ND < 0.91	U
Perchlorate by 6850	µg/L	6.0	1/Discharge	NA	-	ANR	ANR	ANR
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	NA	-	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	NA	-	Composite	92	--
Temperature (Field)	Deg F	86	1/Discharge	1/Quarter	-	Grab	51.1	*
Total Dissolved Solids	mg/L	950	1/Discharge	NA	-	Composite	240	--
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/9/2023 09:25 - 1/10/2023 10:20		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Aldrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Benidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/9/2023 09:25 - 1/10/2023 10:20		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-octyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	NA	-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Boron	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	NA	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/9/2023 09:25 - 1/10/2023 10:20		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Conductivity	µmhos/cm	-	1/Discharge	NA	-	Grab	360	--
Cyclohexane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	NA	-	Grab	13.92	*
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	NA	-	Composite	4.7	--
Vanadium	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	1.3	J (DNQ)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	NA	-	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(7)(8)</sup>	NA	-	Composite	0.016	J (DNQ)
Lead, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	5.8	J (DNQ)



OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/14/2023 10:20 - 1/15/2023 07:20		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	1/Quarter	-	Meas	2.3538	*
<b>CONVENTIONAL POLLUTANTS</b>								
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	NA	-	Composite	10	--
Oil & Grease	mg/L	15	1/Discharge	NA	-	Grab	ND < 0.55	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	1/Quarter	6.5-8.5	Grab	7.41	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	1/Year	-	Composite	31 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>								
1,1-Dichloroethene	µg/L	6.0	1/Discharge	1/5 Years	-	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	1/5 Years	-	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	1/5 Years	-	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	1/5 Years	-	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	1/5 Years	-	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	1/5 Years	-	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	1/5 Years	-	Composite	2.5	--
Cyanide	µg/L	8.5	1/Discharge	1/5 Years	-	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	1/5 Years	-	Composite	0.74	J (DNQ)
Mercury	µg/L	0.1	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	1/5 Years	-	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	1/5 Years	-	Composite	ND < 0.81	U
Selenium	µg/L	(5) 8.2	1/Discharge	1/5 Years	-	Composite	0.61 <sup>(f)</sup>	J (DNQ)
Silver	µg/L	4.1	1/Year	1/5 Years	-	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	1/5 Years	-	Grab	1.3	--
Zinc	µg/L	119	1/Discharge	1/5 Years	-	Composite	7.5	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Ammonia - N	mg/L	10.1	1/Discharge	NA	-	Composite	ND < 0.032	U
Barium	mg/L	1.0	1/Year	NA	-	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	NA	-	Composite	7.0	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	NA	-	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	NA	-	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	NA	-	Composite	0.091	J (DNQ)
Fluoride	mg/L	1.6	1/Year	NA	-	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(r)(p)</sup>	NA	-	Composite	1.3	--
Manganese	µg/L	50	1/Year	NA	-	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	NA	-	Composite	1.3	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	NA	-	Composite	1.3	--

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						1/14/2023 10:20 - 1/15/2023 07:20		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Nitrite - N	mg/L	1	1/Discharge	NA	-	Composite	ND < 0.22	U
Perchlorate	µg/L	6.0	1/Discharge	NA	-	Composite	ND < 0.91	U
Perchlorate by 6850	µg/L	6.0	1/Discharge	NA	-	ANR	ANR	ANR
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	NA	-	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	NA	-	Composite	71	--
Temperature (Field)	Deg F	86	1/Discharge	1/Quarter	-	Grab	52	*
Total Dissolved Solids	mg/L	950	1/Discharge	NA	-	Composite	260	--
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/14/2023 10:20 - 1/15/2023 07:20		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Aldrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Benidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/14/2023 10:20 - 1/15/2023 07:20		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-octyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	NA	-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Boron	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	NA	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/14/2023 10:20 - 1/15/2023 07:20		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Conductivity	µmhos/cm	-	1/Discharge	NA	-	Grab	410	--
Cyclohexane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	NA	-	Grab	9.23	*
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	NA	-	Composite	37	--
Vanadium	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	1.5	J (DNQ)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	NA	-	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(7)(8)</sup>	NA	-	Composite	0.039	--
Lead, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.54	J (DNQ)
Silver, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 2.8	U

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						1/20/2023 09:25 - 1/21/2023 07:35		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	1/Quarter	-	Meas	1.2907	*
<b>CONVENTIONAL POLLUTANTS</b>								
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	NA	-	Composite	ND < 1.0	U
Oil & Grease	mg/L	15	1/Discharge	NA	-	Grab	0.60	J (DNQ)
pH (Field)	s.u.	6.5-8.5	1/Discharge	1/Quarter	6.5-8.5	Grab	8.13	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	1/Year	-	Composite	ND < 0.83	U
<b>PRIORITY POLLUTANTS</b>								
1,1-Dichloroethene	µg/L	6.0	1/Discharge	1/5 Years	-	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	1/5 Years	-	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	1/5 Years	-	Composite	0.12	J (DNQ)
alpha-BHC	µg/L	0.03	1/Discharge	1/5 Years	-	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	1/5 Years	-	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	1/5 Years	-	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	1/5 Years	-	Composite	1.7	J (DNQ)
Cyanide	µg/L	8.5	1/Discharge	1/5 Years	-	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U
Mercury	µg/L	0.1	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	1/5 Years	-	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	1/5 Years	-	Composite	ND < 0.80	U
Selenium	µg/L	(5) 8.2	1/Discharge	1/5 Years	-	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	1/5 Years	-	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	1/5 Years	-	Grab	1.6	--
Zinc	µg/L	119	1/Discharge	1/5 Years	-	Composite	ND < 2.8	U
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Ammonia - N	mg/L	10.1	1/Discharge	NA	-	Composite	ND < 0.032	U
Barium	mg/L	1.0	1/Year	NA	-	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	NA	-	Composite	8.3	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	NA	-	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	NA	-	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	NA	-	Composite	ND < 0.054	U
Fluoride	mg/L	1.6	1/Year	NA	-	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(7)(p)</sup>	NA	-	Composite	0.013	J (DNQ)
Manganese	µg/L	50	1/Year	NA	-	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	NA	-	Composite	0.84	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	NA	-	Composite	0.84	--

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						1/20/2023 09:25 - 1/21/2023 07:35		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Nitrite - N	mg/L	1	1/Discharge	NA	-	Composite	ND < 0.043	U
Perchlorate	µg/L	6.0	1/Discharge	NA	-	Composite	ND < 0.91	U
Perchlorate by 6850	µg/L	6.0	1/Discharge	NA	-	ANR	ANR	ANR
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	NA	-	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	NA	-	Composite	120	--
Temperature (Field)	Deg F	86	1/Discharge	1/Quarter	-	Grab	44.9	*
Total Dissolved Solids	mg/L	950	1/Discharge	NA	-	Composite	320	--
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/20/2023 09:25 - 1/21/2023 07:35		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Aldrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Benidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR



OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/20/2023 09:25 - 1/21/2023 07:35		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-octyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	NA	-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Boron	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	NA	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						1/20/2023 09:25 - 1/21/2023 07:35		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Conductivity	µmhos/cm	-	1/Discharge	NA	-	Grab	440	--
Cyclohexane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	NA	-	Grab	7.89	*
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	NA	-	Composite	0.55	--
Vanadium	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	1.5	J (DNQ)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	NA	-	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(7)(8)</sup>	NA	-	Composite	0.0047	J (DNQ)
Lead, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 2.8	U

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/30/2023 07:25 - 1/31/2023 08:00		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	1/Quarter	-	Meas	0.14265	*
<b>CONVENTIONAL POLLUTANTS</b>								
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	NA	-	Composite	4.8	--
Oil & Grease	mg/L	15	1/Discharge	NA	-	Grab	ND < 0.51	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	1/Quarter	6.5-8.5	Grab	7.46	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	1/Year	-	Composite	1.0 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>								
1,1-Dichloroethene	µg/L	6.0	1/Discharge	1/5 Years	-	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	1/5 Years	-	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	1/5 Years	-	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	1/5 Years	-	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	1/5 Years	-	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	1/5 Years	-	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	1/5 Years	-	Composite	1.4	J (DNQ)
Cyanide	µg/L	8.5	1/Discharge	1/5 Years	-	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U
Mercury	µg/L	0.1	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	1/5 Years	-	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	1/5 Years	-	Composite	ND < 0.80	U
Selenium	µg/L	(5) 8.2	1/Discharge	1/5 Years	-	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	1/5 Years	-	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	1/5 Years	-	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	1/5 Years	-	Composite	ND < 2.8	U
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Ammonia - N	mg/L	10.1	1/Discharge	NA	-	Composite	ND < 0.032	U
Barium	mg/L	1.0	1/Year	NA	-	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	NA	-	Composite	18	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	NA	-	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	NA	-	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	NA	-	Composite	ND < 0.050	U
Fluoride	mg/L	1.6	1/Year	NA	-	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(7)(p)</sup>	NA	-	Composite	0.014	J (DNQ)
Manganese	µg/L	50	1/Year	NA	-	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	NA	-	Composite	0.53	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	NA	-	Composite	0.53	--

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						1/30/2023 07:25 - 1/31/2023 08:00		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Nitrite - N	mg/L	1	1/Discharge	NA	-	Composite	ND < 0.043	U
Perchlorate	µg/L	6.0	1/Discharge	NA	-	Composite	ND < 0.91	U
Perchlorate by 6850	µg/L	6.0	1/Discharge	NA	-	ANR	ANR	ANR
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	NA	-	Grab	ND < 1.0	U
Sulfate	mg/L	300	1/Discharge	NA	-	Composite	160	--
Temperature (Field)	Deg F	86	1/Discharge	1/Quarter	-	Grab	45.5	*
Total Dissolved Solids	mg/L	950	1/Discharge	NA	-	Composite	470	--
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/30/2023 07:25 - 1/31/2023 08:00		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Aldrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Benidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/30/2023 07:25 - 1/31/2023 08:00		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-octyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	NA	-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Boron	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	NA	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/30/2023 07:25 - 1/31/2023 08:00		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Conductivity	µmhos/cm	-	1/Discharge	NA	-	Grab	980	--
Cyclohexane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	NA	-	Grab	24.2	*
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	NA	-	Composite	0.30	--
Vanadium	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	1.4	J (DNQ)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	NA	-	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(7)(8)</sup>	NA	-	Composite	0.0087	J (DNQ)
Lead, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.15	J (DNQ)
Nickel, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	3.0	J (DNQ)

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						2/23/2023 09:00 - 2/24/2023 07:35		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	1/Quarter	-	Meas	0.13163	*
<b>CONVENTIONAL POLLUTANTS</b>								
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	NA	-	Composite	1.5	J (DNQ)
Oil & Grease	mg/L	15	1/Discharge	NA	-	Grab	ND < 0.50	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	1/Quarter	6.5-8.5	Grab	6.66	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	1/Year	-	Composite	ND < 1.4	U
<b>PRIORITY POLLUTANTS</b>								
1,1-Dichloroethene	µg/L	6.0	1/Discharge	1/5 Years	-	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	1/5 Years	-	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	1/5 Years	-	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	1/5 Years	-	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	1/5 Years	-	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	1/5 Years	-	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	1/5 Years	-	Composite	0.90	J (DNQ)
Cyanide	µg/L	8.5	1/Discharge	1/5 Years	-	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	1/5 Years	-	Composite	0.13	J (DNQ)
Mercury	µg/L	0.1	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	1/5 Years	-	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	1/5 Years	-	Composite	ND < 0.80	U
Selenium	µg/L	(5) 8.2	1/Discharge	1/5 Years	-	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	1/5 Years	-	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	1/5 Years	-	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	1/5 Years	-	Composite	ND < 2.8	U
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Ammonia - N	mg/L	10.1	1/Discharge	NA	-	Composite	ND < 0.032	U
Barium	mg/L	1.0	1/Year	NA	-	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	NA	-	Composite	38	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	NA	-	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	NA	-	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	NA	-	Composite	ND < 0.050	U
Fluoride	mg/L	1.6	1/Year	NA	-	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(7)(p)</sup>	NA	-	Composite	0.037	J+ (B)
Manganese	µg/L	50	1/Year	NA	-	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	NA	-	Composite	0.075	J (DNQ)
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	NA	-	Composite	0.075	J (DNQ)

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.



OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						2/23/2023 09:00 - 2/24/2023 07:35		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Nitrite - N	mg/L	1	1/Discharge	NA	-	Composite	ND < 0.043	U
Perchlorate	µg/L	6.0	1/Discharge	NA	-	Composite	ND < 0.91	U
Perchlorate by 6850	µg/L	6.0	1/Discharge	NA	-	ANR	ANR	ANR
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	NA	-	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	NA	-	Composite	240	--
Temperature (Field)	Deg F	86	1/Discharge	1/Quarter	-	Grab	43.3	*
Total Dissolved Solids	mg/L	950	1/Discharge	NA	-	Composite	720	--
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						2/23/2023 09:00 - 2/24/2023 07:35		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Aldrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Benidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	2/23/2023 09:00 - 2/24/2023 07:35		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-octyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	NA	-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Boron	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	NA	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						2/23/2023 09:00 - 2/24/2023 07:35		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Conductivity	µmhos/cm	-	1/Discharge	NA	-	Grab	1,100	--
Cyclohexane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	NA	-	Grab	19.95	*
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	NA	-	Composite	0.60	--
Vanadium	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.97	J (DNQ)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	NA	-	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(7)(8)</sup>	NA	-	Composite	ND < 0.02	U (B)
Lead, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 2.8	U

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/3/2023 07:20 - 3/4/2023 07:40		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	1/Quarter	-	Meas	1.7577	*
<b>CONVENTIONAL POLLUTANTS</b>								
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	NA	-	Composite	ND < 1.0	U*
Oil & Grease	mg/L	15	1/Discharge	NA	-	Grab	ND < 0.51	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	1/Quarter	6.5-8.5	Grab	7.06	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	1/Year	-	Composite	ND < 1.0	U*
<b>PRIORITY POLLUTANTS</b>								
1,1-Dichloroethene	µg/L	6.0	1/Discharge	1/5 Years	-	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	1/5 Years	-	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	1/5 Years	-	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	1/5 Years	-	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	1/5 Years	-	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	1/5 Years	-	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	1/5 Years	-	Composite	1.7	J (DNQ)
Cyanide	µg/L	8.5	1/Discharge	1/5 Years	-	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U
Mercury	µg/L	0.1	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	1/5 Years	-	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	1/5 Years	-	Composite	ND < 0.80	U*
Selenium	µg/L	(5) 8.2	1/Discharge	1/5 Years	-	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	1/5 Years	-	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	1/5 Years	-	Grab	1.2	*
Zinc	µg/L	119	1/Discharge	1/5 Years	-	Composite	3.3	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Ammonia - N	mg/L	10.1	1/Discharge	NA	-	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	NA	-	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	NA	-	Composite	10	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	NA	-	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	NA	-	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	NA	-	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	NA	-	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(7)(p)</sup>	NA	-	Composite	0.024	J+ (B)
Manganese	µg/L	50	1/Year	NA	-	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	NA	-	Composite	0.37	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	NA	-	Composite	0.37	*

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/3/2023 07:20 - 3/4/2023 07:40		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Nitrite - N	mg/L	1	1/Discharge	NA	-	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	NA	-	Composite	ND < 0.91	U*
Perchlorate by 6850	µg/L	6.0	1/Discharge	NA	-	ANR	ANR	ANR
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	NA	-	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	NA	-	Composite	120	*
Temperature (Field)	Deg F	86	1/Discharge	1/Quarter	-	Grab	50.6	*
Total Dissolved Solids	mg/L	950	1/Discharge	NA	-	Composite	330	*
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/3/2023 07:20 - 3/4/2023 07:40		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Aldrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Benidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/3/2023 07:20 - 3/4/2023 07:40		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-octyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	NA	-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Boron	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	NA	-	ANR	ANR	ANR



OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/3/2023 07:20 - 3/4/2023 07:40		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Conductivity	µmhos/cm	-	1/Discharge	NA	-	Grab	500	*
Cyclohexane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	NA	-	Grab	48.71	*
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	NA	-	Composite	0.35	*
Vanadium	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.28	J (DNQ)
Chromium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	1.6	J (DNQ)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	NA	-	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(7)(8)</sup>	NA	-	Composite	ND < 0.02	U (B)
Lead, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.34	J (DNQ)
Manganese, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.57	J (DNQ)
Silver, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	3.0	J (DNQ)

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/6/2023 08:05 - 3/7/2023 07:10		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	1/Quarter	-	Meas	1.5518	*
<b>CONVENTIONAL POLLUTANTS</b>								
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	NA	-	Composite	ND < 1.0	U*
Oil & Grease	mg/L	15	1/Discharge	NA	-	Grab	ND < 0.54	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	1/Quarter	6.5-8.5	Grab	7.07	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	1/Year	-	Composite	ND < 0.83	U*
<b>PRIORITY POLLUTANTS</b>								
1,1-Dichloroethene	µg/L	6.0	1/Discharge	1/5 Years	-	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	1/5 Years	-	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	1/5 Years	-	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	1/5 Years	-	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	1/5 Years	-	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	1/5 Years	-	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	1/5 Years	-	Composite	1.8	J (DNQ*)
Cyanide	µg/L	8.5	1/Discharge	1/5 Years	-	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U*
Mercury	µg/L	0.1	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	1/5 Years	-	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	1/5 Years	-	Composite	ND < 0.80	U*
Selenium	µg/L	(5) 8.2	1/Discharge	1/5 Years	-	Composite	0.67 <sup>(e)</sup>	J (DNQ*)
Silver	µg/L	4.1	1/Year	1/5 Years	-	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	1/5 Years	-	Grab	1.1	*
Zinc	µg/L	119	1/Discharge	1/5 Years	-	Composite	ND < 2.8	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Ammonia - N	mg/L	10.1	1/Discharge	NA	-	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	NA	-	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	NA	-	Composite	16	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	NA	-	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	NA	-	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	NA	-	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	NA	-	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(7)(p)</sup>	NA	-	Composite	0.020	*
Manganese	µg/L	50	1/Year	NA	-	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	NA	-	Composite	0.29	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	NA	-	Composite	0.29	*

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						3/6/2023 08:05 - 3/7/2023 07:10		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Nitrite - N	mg/L	1	1/Discharge	NA	-	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	NA	-	Composite	ND < 0.91	U*
Perchlorate by 6850	µg/L	6.0	1/Discharge	NA	-	ANR	ANR	ANR
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	NA	-	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	NA	-	Composite	130	*
Temperature (Field)	Deg F	86	1/Discharge	1/Quarter	-	Grab	48.2	*
Total Dissolved Solids	mg/L	950	1/Discharge	NA	-	Composite	390	*
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/6/2023 08:05 - 3/7/2023 07:10		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Aldrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Benidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/6/2023 08:05 - 3/7/2023 07:10		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-octyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	NA	-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Boron	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	NA	-	ANR	ANR	ANR

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						3/6/2023 08:05 - 3/7/2023 07:10		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Conductivity	µmhos/cm	-	1/Discharge	NA	-	Grab	590	*
Cyclohexane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	NA	-	Grab	40.41	*
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	NA	-	Composite	0.25	*
Vanadium	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.15	J (DNQ*)
Chromium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	1.8	J (DNQ*)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	NA	-	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(7)(8)</sup>	NA	-	Composite	0.014	J (DNQ*)
Lead, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.19	J (DNQ*)
Manganese, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.65	J (DNQ*)
Silver, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	3.1	J (DNQ*)

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						3/10/2023 08:55 - 3/11/2023 08:30		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	1/Quarter	-	Meas	0.93144	*
<b>CONVENTIONAL POLLUTANTS</b>								
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	NA	-	Composite	ND < 1.0	U*
Oil & Grease	mg/L	15	1/Discharge	NA	-	Grab	ND < 0.50	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	1/Quarter	6.5-8.5	Grab	7.11	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	1/Year	-	Composite	20 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>								
1,1-Dichloroethene	µg/L	6.0	1/Discharge	1/5 Years	-	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	1/5 Years	-	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	1/5 Years	-	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	1/5 Years	-	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	1/5 Years	-	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	1/5 Years	-	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	1/5 Years	-	Composite	2.1	*
Cyanide	µg/L	8.5	1/Discharge	1/5 Years	-	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	1/5 Years	-	Composite	0.77	J (DNQ*)
Mercury	µg/L	0.1	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	1/5 Years	-	Composite	ND < 0.17	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	1/5 Years	-	Composite	ND < 0.79	U*
Selenium	µg/L	(5) 8.2	1/Discharge	1/5 Years	-	Composite	1.0 <sup>(f)</sup>	J (DNQ*)
Silver	µg/L	4.1	1/Year	1/5 Years	-	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	1/5 Years	-	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	1/5 Years	-	Composite	7.2	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Ammonia - N	mg/L	10.1	1/Discharge	NA	-	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	NA	-	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	NA	-	Composite	15	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	NA	-	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	NA	-	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	NA	-	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	NA	-	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(r)(p)</sup>	NA	-	ANR	ANR	ANR
Manganese	µg/L	50	1/Year	NA	-	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	NA	-	Composite	0.42	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	NA	-	Composite	0.42	*

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

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Nitrite - N	mg/L	1	1/Discharge	NA	-	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	NA	-	Composite	ND < 0.91	U*
Perchlorate by 6850	µg/L	6.0	1/Discharge	NA	-	Composite	0.24	J (DNQ*)
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	NA	-	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	NA	-	Composite	150	*
Temperature (Field)	Deg F	86	1/Discharge	1/Quarter	-	Grab	50.2	*
Total Dissolved Solids	mg/L	950	1/Discharge	NA	-	Composite	420	*
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR



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Aldrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Benidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR

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Di-n-octyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	NA	-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Boron	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	NA	-	ANR	ANR	ANR

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Conductivity	µmhos/cm	-	1/Discharge	NA	-	Grab	1,100	*
Cyclohexane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	NA	-	Grab	8.67	*
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	NA	-	Composite	33	*
Vanadium	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.13	U*
Chromium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	1.2	J (DNQ*)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	NA	-	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(7)(8)</sup>	NA	-	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U*
Manganese, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.85	J (DNQ*)
Silver, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 2.8	U*

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						3/20/2023 09:25 - 3/21/2023 09:55		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	1/Quarter	-	Meas	1.7444	*
<b>CONVENTIONAL POLLUTANTS</b>								
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	NA	-	Composite	ND < 1.0	U*
Oil & Grease	mg/L	15	1/Discharge	NA	-	Grab	ND < 0.49	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	1/Quarter	6.5-8.5	Grab	8.10	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	1/Year	-	Composite	12 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>								
1,1-Dichloroethene	µg/L	6.0	1/Discharge	1/5 Years	-	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	1/5 Years	-	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	1/5 Years	-	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	1/5 Years	-	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	1/5 Years	-	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	1/5 Years	-	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	1/5 Years	-	Composite	2.0	*
Cyanide	µg/L	8.5	1/Discharge	1/5 Years	-	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	1/5 Years	-	Composite	0.48	J (DNQ*)
Mercury	µg/L	0.1	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	1/5 Years	-	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	1/5 Years	-	Composite	ND < 0.80	U*
Selenium	µg/L	(5) 8.2	1/Discharge	1/5 Years	-	Composite	0.83 <sup>(f)</sup>	J (DNQ*)
Silver	µg/L	4.1	1/Year	1/5 Years	-	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	1/5 Years	-	Grab	0.86	*
Zinc	µg/L	119	1/Discharge	1/5 Years	-	Composite	4.9	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Ammonia - N	mg/L	10.1	1/Discharge	NA	-	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	NA	-	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	NA	-	Composite	17	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	NA	-	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Yea	NA	-	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	NA	-	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	NA	-	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(r)(p)</sup>	NA	-	ANR	ANR	ANR
Manganese	µg/L	50	1/Year	NA	-	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	NA	-	Composite	0.28	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	NA	-	Composite	0.28	*

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

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Nitrite - N	mg/L	1	1/Discharge	NA	-	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	NA	-	Composite	ND < 0.91	U*
Perchlorate by 6850	µg/L	6.0	1/Discharge	NA	-	ANR	ANR	ANR
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	NA	-	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	NA	-	Composite	120	*
Temperature (Field)	Deg F	86	1/Discharge	1/Quarter	-	Grab	57.6	*
Total Dissolved Solids	mg/L	950	1/Discharge	NA	-	Composite	380	*
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR

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Aldrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Benidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR

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Di-n-octyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	NA	-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Boron	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	NA	-	ANR	ANR	ANR

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Conductivity	µmhos/cm	-	1/Discharge	NA	-	Grab	600	*
Cyclohexane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	NA	-	Grab	16.33	*
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	NA	-	Composite	16	*
Vanadium	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.13	U*
Chromium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	1.4	J (DNQ*)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	NA	-	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(7)(8)</sup>	NA	-	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U*
Manganese, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.52	U*
Silver, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 2.8	U*



OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						3/29/2023 08:50 - 3/30/2023 08:35		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	1/Quarter	-	Meas	2.0338	*
<b>CONVENTIONAL POLLUTANTS</b>								
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	NA	-	Composite	ND < 1.0	U*
Oil & Grease	mg/L	15	1/Discharge	NA	-	Grab	0.68	J (DNQ*)
pH (Field)	s.u.	6.5-8.5	1/Discharge	1/Quarter	6.5-8.5	Grab	6.59	*
Total Suspended Solids#	mg/L	45	1/Discharge	1/Year	-	Composite	4.3 (c)	*
<b>PRIORITY POLLUTANTS</b>								
1,1-Dichloroethene	µg/L	6.0	1/Discharge	1/5 Years	-	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	1/5 Years	-	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	1/5 Years	-	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	1/5 Years	-	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	1/5 Years	-	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	1/5 Years	-	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	1/5 Years	-	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	1/5 Years	-	Composite	1.6	J (DNQ*)
Cyanide	µg/L	8.5	1/Discharge	1/5 Years	-	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	1/5 Years	-	Composite	0.22	J (DNQ*)
Mercury	µg/L	0.1	1/Discharge	1/5 Years	-	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	1/5 Years	-	Composite	ND < 0.17	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	1/5 Years	-	Composite	ND < 0.79	U*
Selenium	µg/L	(5) 8.2	1/Discharge	1/5 Years	-	Composite	0.72 (f)	J (DNQ*)
Silver	µg/L	4.1	1/Year	1/5 Years	-	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	1/5 Years	-	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	1/5 Years	-	Grab	0.83	*
Zinc	µg/L	119	1/Discharge	1/5 Years	-	Composite	3.5	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Ammonia - N	mg/L	10.1	1/Discharge	NA	-	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	NA	-	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	NA	-	Composite	13	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	NA	-	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	NA	-	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	NA	-	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	NA	-	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(r)(p)</sup>	NA	-	ANR	ANR	ANR
Manganese	µg/L	50	1/Year	NA	-	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	NA	-	Composite	0.19	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	NA	-	Composite	0.19	*

See reporting summary notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002  
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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

						3/29/2023 08:50 - 3/30/2023 08:35		
ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Nitrite - N	mg/L	1	1/Discharge	NA	-	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	NA	-	Composite	ND < 0.91	U*
Perchlorate by 6850	µg/L	6.0	1/Discharge	NA	-	ANR	ANR	ANR
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	NA	-	Grab	0.10 <sup>(c)</sup>	*
Sulfate	mg/L	300	1/Discharge	NA	-	Composite	120	*
Temperature (Field)	Deg F	86	1/Discharge	1/Quarter	-	Grab	51.7	*
Total Dissolved Solids	mg/L	950	1/Discharge	NA	-	Composite	380	*
<b>REMAINING PRIORITY POLLUTANTS</b>								
1,1,1-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR

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NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/29/2023 08:50 - 3/30/2023 08:35		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Aldrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Benidine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR

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NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/29/2023 08:50 - 3/30/2023 08:35		
						SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-octyl phthalate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	1/5 Years	-	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	1/5 Years	-	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>								
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	NA	-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Boron	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	NA	-	ANR	ANR	ANR

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Conductivity	µmhos/cm	-	1/Discharge	NA	-	Grab	550	*
Cyclohexane	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	NA	-	Grab	13.7	*
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	1/Quarter	-	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	NA	-	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	NA	-	Composite	5.1	*
Vanadium	µg/L	-	1/Year	NA	-	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>								
Antimony, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.13	U*
Chromium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	1.4	J (DNQ*)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	NA	-	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(7)(8)</sup>	NA	-	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.13	J (DNQ*)
Manganese, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	0.81	J (DNQ*)
Silver, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	NA	-	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	NA	-	Composite	ND < 2.8	U*

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/2/2023 09:15 (Composite)			
						LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	0.01	0.05	µg/L	2.5E-07	2.4E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	0.01	0.01	µg/L	2.0E-07	1.4E-05	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	0.01	0.4	µg/L	2.1E-07	2.0E-06	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	0.1	0.3	µg/L	2.0E-07	3.2E-06	J (DNQ)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	0.1	0.08	µg/L	1.3E-07	1.6E-06	J (DNQ)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	2.2E-07	1.4E-06	UJ (*III)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.2	µg/L	1.3E-07	1.1E-06	UJ (*III)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	1.9E-07	1.4E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	0.1	0.6	µg/L	1.3E-07	3.5E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	1.0	0.9	µg/L	6.7E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	0.05	0.2	µg/L	4.3E-08	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.7	µg/L	1.1E-07	1.2E-06	UJ (*III)	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	0.5	1.6	µg/L	5.3E-08	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1/Year	1.0	1.0	µg/L	8.7E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	1/Year	0.1	0.8	µg/L	5.1E-08	ND	U	ND
OCDD	1/Discharge	1/Year	0.0001	0.01	µg/L	6.5E-07	2.8E-04	--	2.8E-10
OCDF	1/Discharge	1/Year	0.0001	0.02	µg/L	1.9E-07	2.6E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	2.8E-10
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT<sup>(1)</sup> = 2.8E-08

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/6/2023 10:50 (Composite)			
						LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	0.01	0.05	µg/L	1.8E-06	5.1E-05	--	2.6E-08
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	0.01	0.01	µg/L	4.2E-07	1.2E-05	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	0.01	0.4	µg/L	3.9E-07	1.3E-06	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	0.1	0.3	µg/L	5.6E-07	2.8E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	0.1	0.08	µg/L	2.7E-07	7.7E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	4.8E-07	1.4E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.2	µg/L	2.4E-07	6.0E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	4.6E-07	1.6E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	0.1	0.6	µg/L	1.8E-07	2.8E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	1.0	0.9	µg/L	2.5E-07	5.1E-07	U (B)	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	0.05	0.2	µg/L	1.6E-07	1.2E-06	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.7	µg/L	1.7E-07	4.1E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	0.5	1.6	µg/L	2.0E-07	4.0E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1/Year	1.0	1.0	µg/L	2.6E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	1/Year	0.1	0.8	µg/L	4.0E-07	ND	U	ND
OCDD	1/Discharge	1/Year	0.0001	0.01	µg/L	2.7E-06	4.8E-04	--	4.8E-10
OCDF	1/Discharge	1/Year	0.0001	0.02	µg/L	2.9E-07	2.5E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	2.6E-08
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/10/2023 10:20 (Composite)			
						LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	0.01	0.05	µg/L	1.1E-07	4.0E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	0.01	0.01	µg/L	9.6E-08	2.2E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	0.01	0.4	µg/L	9.4E-08	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	0.1	0.3	µg/L	6.8E-08	1.5E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	0.1	0.08	µg/L	5.6E-08	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	8.3E-08	4.3E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.2	µg/L	5.6E-08	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	6.8E-08	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	0.1	0.6	µg/L	5.9E-08	3.9E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	1.0	0.9	µg/L	1.6E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	0.05	0.2	µg/L	5.7E-08	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.7	µg/L	5.4E-08	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	0.5	1.6	µg/L	6.7E-08	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1/Year	1.0	1.0	µg/L	4.9E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	1/Year	0.1	0.8	µg/L	3.6E-08	ND	U	ND
OCDD	1/Discharge	1/Year	0.0001	0.01	µg/L	2.3E-07	5.4E-05	U (B)	ND
OCDF	1/Discharge	1/Year	0.0001	0.02	µg/L	2.2E-07	4.2E-06	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08



OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/15/2023 07:20 (Composite)			
						LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	0.01	0.05	µg/L	5.2E-07	2.2E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	0.01	0.01	µg/L	3.1E-07	5.0E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	0.01	0.4	µg/L	3.6E-07	4.5E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	0.1	0.3	µg/L	2.5E-07	2.4E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	0.1	0.08	µg/L	1.3E-07	3.4E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	2.5E-07	1.1E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.2	µg/L	1.2E-07	4.9E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	2.2E-07	8.8E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	0.1	0.6	µg/L	1.3E-07	4.1E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	1.0	0.9	µg/L	2.1E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	0.05	0.2	µg/L	1.3E-07	3.6E-07	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.7	µg/L	1.1E-07	4.9E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	0.5	1.6	µg/L	1.5E-07	2.9E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1/Year	1.0	1.0	µg/L	2.6E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	1/Year	0.1	0.8	µg/L	4.3E-07	ND	U	ND
OCDD	1/Discharge	1/Year	0.0001	0.01	µg/L	1.6E-06	2.3E-04	--	2.3E-10
OCDF	1/Discharge	1/Year	0.0001	0.02	µg/L	2.4E-07	1.7E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	2.3E-10
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/21/2023 07:35 (Composite)			
						LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	0.01	0.05	µg/L	2.1E-07	1.7E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	0.01	0.01	µg/L	1.8E-07	9.5E-07	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	0.01	0.4	µg/L	1.9E-07	2.7E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	0.1	0.3	µg/L	2.1E-07	2.4E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	0.1	0.08	µg/L	1.5E-07	5.4E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	2.0E-07	3.9E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.2	µg/L	1.4E-07	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	1.8E-07	3.1E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	0.1	0.6	µg/L	1.4E-07	3.6E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	1.0	0.9	µg/L	3.0E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	0.05	0.2	µg/L	1.6E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.7	µg/L	1.2E-07	2.4E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	0.5	1.6	µg/L	2.0E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1/Year	1.0	1.0	µg/L	6.2E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	1/Year	0.1	0.8	µg/L	1.7E-07	ND	U	ND
OCDD	1/Discharge	1/Year	0.0001	0.01	µg/L	4.1E-07	7.7E-06	U (B)	ND
OCDF	1/Discharge	1/Year	0.0001	0.02	µg/L	2.6E-07	1.2E-06	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08**

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/31/2023 08:00 (Composite)			
						LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	0.01	0.05	µg/L	1.1E-07	1.5E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	0.01	0.01	µg/L	2.4E-07	1.1E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	0.01	0.4	µg/L	2.0E-07	2.9E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	0.1	0.3	µg/L	2.4E-07	2.3E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	0.1	0.08	µg/L	1.6E-07	4.8E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	2.2E-07	4.4E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.2	µg/L	1.3E-07	4.0E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	2.0E-07	7.0E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	0.1	0.6	µg/L	9.0E-08	7.6E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	1.0	0.9	µg/L	2.2E-07	3.2E-07	U (B)	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	0.05	0.2	µg/L	1.1E-07	5.0E-07	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.7	µg/L	8.6E-08	1.9E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	0.5	1.6	µg/L	1.5E-07	2.6E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1/Year	1.0	1.0	µg/L	2.4E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	1/Year	0.1	0.8	µg/L	4.9E-07	ND	U	ND
OCDD	1/Discharge	1/Year	0.0001	0.01	µg/L	2.8E-07	6.2E-06	U (B)	ND
OCDF	1/Discharge	1/Year	0.0001	0.02	µg/L	1.8E-07	1.1E-06	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08**

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	2/24/2023 07:35 (Composite)			
						LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	0.01	0.05	µg/L	4.0E-08	3.0E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	0.01	0.01	µg/L	1.6E-07	3.0E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	0.01	0.4	µg/L	1.7E-07	1.7E-06	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	0.1	0.3	µg/L	1.1E-07	1.7E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	0.1	0.08	µg/L	8.1E-08	1.5E-06	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	1.1E-07	1.3E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.2	µg/L	8.1E-08	7.7E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	9.7E-08	1.7E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	0.1	0.6	µg/L	7.6E-08	1.3E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	1.0	0.9	µg/L	7.3E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	0.05	0.2	µg/L	4.4E-08	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.7	µg/L	7.2E-08	1.6E-06	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	0.5	1.6	µg/L	5.1E-08	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1/Year	1.0	1.0	µg/L	4.0E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	1/Year	0.1	0.8	µg/L	1.0E-08	ND	U	ND
OCDD	1/Discharge	1/Year	0.0001	0.01	µg/L	3.0E-07	2.5E-05	U (B)	ND
OCDF	1/Discharge	1/Year	0.0001	0.02	µg/L	1.3E-07	7.0E-06	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08**

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/4/2023 07:40 (Composite)			
						LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	0.01	0.05	µg/L	5.0E-07	4.0E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	0.01	0.01	µg/L	5.8E-07	2.2E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	0.01	0.4	µg/L	5.7E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	0.1	0.3	µg/L	4.6E-07	2.2E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	0.1	0.08	µg/L	3.6E-07	7.9E-07	J (DNQ)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	4.5E-07	7.5E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.2	µg/L	3.4E-07	5.7E-07	UJ (*III)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	4.0E-07	7.7E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	0.1	0.6	µg/L	3.3E-07	5.6E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	1.0	0.9	µg/L	4.7E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	0.05	0.2	µg/L	4.0E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.7	µg/L	2.8E-07	4.3E-07	UJ (*III)	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	0.5	1.6	µg/L	4.7E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1/Year	1.0	1.0	µg/L	1.1E-06	ND	U	ND
2,3,7,8-TCDF	1/Discharge	1/Year	0.1	0.8	µg/L	4.9E-07	ND	U	ND
OCDD	1/Discharge	1/Year	0.0001	0.01	µg/L	5.3E-07	1.9E-05	U (B)	ND
OCDF	1/Discharge	1/Year	0.0001	0.02	µg/L	5.8E-07	6.1E-06	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/7/2023 07:10 (Composite)			
						LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	0.01	0.05	µg/L	3.5E-07	2.7E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	0.01	0.01	µg/L	3.0E-07	1.9E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	0.01	0.4	µg/L	3.5E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	0.1	0.3	µg/L	3.3E-07	2.1E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	0.1	0.08	µg/L	1.7E-07	6.9E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	3.4E-07	5.5E-07	UJ (*III)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.2	µg/L	1.6E-07	3.5E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	3.0E-07	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	0.1	0.6	µg/L	1.8E-07	5.5E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	1.0	0.9	µg/L	3.0E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	0.05	0.2	µg/L	2.5E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.7	µg/L	1.6E-07	4.5E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	0.5	1.6	µg/L	2.8E-07	4.4E-07	UJ (*III)	ND
2,3,7,8-TCDD	1/Discharge	1/Year	1.0	1.0	µg/L	5.8E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	1/Year	0.1	0.8	µg/L	3.7E-07	ND	U	ND
OCDD	1/Discharge	1/Year	0.0001	0.01	µg/L	3.8E-07	1.4E-05	U (B)	ND
OCDF	1/Discharge	1/Year	0.0001	0.02	µg/L	3.2E-07	3.9E-06	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/11/2023 08:30 (Composite)			
						LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	0.01	0.05	µg/L	8.1E-07	1.9E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	0.01	0.01	µg/L	9.1E-07	7.8E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	0.01	0.4	µg/L	1.0E-06	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	0.1	0.3	µg/L	5.3E-07	1.8E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	0.1	0.08	µg/L	2.8E-07	6.7E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	5.1E-07	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.2	µg/L	2.7E-07	4.1E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	4.6E-07	1.0E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	0.1	0.6	µg/L	2.9E-07	3.6E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	1.0	0.9	µg/L	4.3E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	0.05	0.2	µg/L	2.7E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.7	µg/L	2.3E-07	3.2E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	0.5	1.6	µg/L	3.2E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1/Year	1.0	1.0	µg/L	5.5E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	1/Year	0.1	0.8	µg/L	2.1E-07	ND	U	ND
OCDD	1/Discharge	1/Year	0.0001	0.01	µg/L	9.6E-07	2.0E-04	U (B)	ND
OCDF	1/Discharge	1/Year	0.0001	0.02	µg/L	4.1E-07	1.7E-05	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08**

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/21/2023 09:55 (Composite)			
						LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	0.01	0.05	µg/L	2.8E-08	6.6E-06	J (DNQ)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	0.01	0.01	µg/L	8.7E-09	2.6E-06	UJ (*III)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	0.01	0.4	µg/L	9.3E-09	8.2E-07	J (DNQ)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	0.1	0.3	µg/L	5.1E-08	ND	U	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	0.1	0.08	µg/L	8.3E-09	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	4.9E-08	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.2	µg/L	8.8E-09	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	4.6E-08	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	0.1	0.6	µg/L	8.8E-09	6.6E-07	UJ (*III)	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	1.0	0.9	µg/L	2.3E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	0.05	0.2	µg/L	8.2E-09	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.7	µg/L	8.4E-09	2.2E-07	UJ (*III)	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	0.5	1.6	µg/L	9.3E-09	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1/Year	1.0	1.0	µg/L	1.2E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	1/Year	0.1	0.8	µg/L	1.1E-08	ND	U	ND
OCDD	1/Discharge	1/Year	0.0001	0.01	µg/L	1.2E-07	7.0E-05	U (B)	ND
OCDF	1/Discharge	1/Year	0.0001	0.02	µg/L	1.2E-08	8.3E-06	UJ (*III)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08**



**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/30/2023 08:35 (Composite)			
						LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	1/Year	0.01	0.05	µg/L	6.6E-08	4.3E-06	UJ (BL)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	1/Year	0.01	0.01	µg/L	4.5E-08	3.2E-06	UJ (BL)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	1/Year	0.01	0.4	µg/L	3.8E-08	5.0E-07	UJ (BL)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	1/Year	0.1	0.3	µg/L	1.4E-08	ND	UJ (L)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	1/Year	0.1	0.08	µg/L	6.5E-07	ND	UJ (L)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	1.3E-08	ND	UJ (L)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.2	µg/L	6.7E-07	ND	UJ (L)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	1/Year	0.1	0.1	µg/L	1.2E-08	ND	UJ (L)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	1/Year	0.1	0.6	µg/L	6.7E-07	ND	UJ (L)	ND
1,2,3,7,8-PeCDD	1/Discharge	1/Year	1.0	0.9	µg/L	5.7E-08	ND	UJ (L)	ND
1,2,3,7,8-PeCDF	1/Discharge	1/Year	0.05	0.2	µg/L	1.9E-08	2.4E-06	UJ (L*III)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	1/Year	0.1	0.7	µg/L	6.4E-07	ND	UJ (L)	ND
2,3,4,7,8-PeCDF	1/Discharge	1/Year	0.5	1.6	µg/L	2.4E-08	ND	UJ (L)	ND
2,3,7,8-TCDD	1/Discharge	1/Year	1.0	1.0	µg/L	6.2E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	1/Year	0.1	0.8	µg/L	1.3E-08	ND	UJ (L)	ND
OCDD	1/Discharge	1/Year	0.0001	0.01	µg/L	7.3E-08	4.3E-05	UJ (BL)	ND
OCDF	1/Discharge	1/Year	0.0001	0.02	µg/L	2.0E-07	7.3E-06	UJ (BL)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) BENCHMARK LIMIT = 2.8E-08

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/2/2023 09:15 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15	1/Discharge	NA	-/-	1.45 ± 1.46	2.33	U
Gross Beta	pCi/L	50	1/Discharge	NA	-/-	3.81 ± 0.907	0.901	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	NA	-/-	1.53 ± 0.851	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	NA	-/-	0.265 ± 0.269	0.436	U
Tritium	pCi/L	20,000	1/Discharge	NA	-/-	-14 ± 160	300	U
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200	1/Discharge	NA	-/-	4.92 ± 9.27	11.9	U
Uranium	pCi/L	20	1/Discharge	NA	-/-	0.900 ± 0.449	0.357	--
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-	1/Discharge	NA	-/-	-29.6 ± 135	208	U

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/6/2023 10:50 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15	1/Discharge	NA	-/-	-0.749 ± 1.08	2.22	U
Gross Beta	pCi/L	50	1/Discharge	NA	-/-	3.58 ± 0.845	0.840	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	NA	-/-	1.96 ± 1.31	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	NA	-/-	0.296 ± 0.389	0.646	U
Tritium	pCi/L	20,000	1/Discharge	NA	-/-	27.9 ± 165	298	U
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200	1/Discharge	NA	-/-	-1.88 ± 8.10	9.86	U
Uranium	pCi/L	20	1/Discharge	NA	-/-	0.462 ± 0.301	0.305	--
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-	1/Discharge	NA	-/-	-30.0 ± 99.1	126	U

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/10/2023 10:20 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15	1/Discharge	NA	-/-	0.721 ± 1.67	2.93	UJ (Q)
Gross Beta	pCi/L	50	1/Discharge	NA	-/-	2.03 ± 0.766	1.00	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	NA	-/-	0.129 ± 0.303	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	NA	-/-	-0.261 ± 0.381	0.737	U
Tritium	pCi/L	20,000	1/Discharge	NA	-/-	-26.1 ± 159	294	U
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200	1/Discharge	NA	-/-	-2.21 ± 7.56	8.82	U
Uranium	pCi/L	20	1/Discharge	NA	-/-	0.270 ± 0.177	0.179	--
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-	1/Discharge	NA	-/-	3.58 ± 94.9	101	U

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/15/2023 07:20 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15	1/Discharge	NA	-/-	4.24 ± 2.41	3.41	--
Gross Beta	pCi/L	50	1/Discharge	NA	-/-	2.59 ± 0.842	0.984	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	NA	-/-	1.15 ± 0.63	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	NA	-/-	0.596 ± 0.499	0.790	U
Tritium	pCi/L	20,000	1/Discharge	NA	-/-	144 ± 157	254	U
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200	1/Discharge	NA	-/-	1.22 ± 6.90	8.52	U
Uranium	pCi/L	20	1/Discharge	NA	-/-	0.310 ± 0.285	0.310	--
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-	1/Discharge	NA	-/-	-9.59 ± 89.0	115	U

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/21/2023 07:35 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15	1/Discharge	NA	-/-	0.648 ± 1.44	2.55	UJ (Q)
Gross Beta	pCi/L	50	1/Discharge	NA	-/-	1.93 ± 0.713	0.914	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	NA	-/-	0.784 ± 0.478	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	NA	-/-	0.0490 ± 0.190	0.333	U
Tritium	pCi/L	20,000	1/Discharge	NA	-/-	55.9 ± 157	272	U
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200	1/Discharge	NA	-/-	-0.471 ± 8.00	9.86	U
Uranium	pCi/L	20	1/Discharge	NA	-/-	0.388 ± 0.175	0.129	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-	1/Discharge	NA	-/-	32.6 ± 68.1	93.7	U

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	1/31/2023 08:00 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15	1/Discharge	NA	-/-	-0.426 ± 0.879	1.81	U
Gross Beta	pCi/L	50	1/Discharge	NA	-/-	0.807 ± 0.554	0.845	U
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	NA	-/-	0.879 ± 0.538	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	NA	-/-	0.369 ± 0.320	0.504	U
Tritium	pCi/L	20,000	1/Discharge	NA	-/-	11.7 ± 188	351	U
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200	1/Discharge	NA	-/-	-2.46 ± 7.77	10.3	U
Uranium	pCi/L	20	1/Discharge	NA	-/-	0.247 ± 0.214	0.263	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-	1/Discharge	NA	-/-	-45.1 ± 80.6	116	U

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	2/24/2023 07:35 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15	1/Discharge	NA	-/-	3.78 ± 3.11	4.55	U*
Gross Beta	pCi/L	50	1/Discharge	NA	-/-	4.77 ± 1.58	1.91	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	NA	-/-	0.849 ± 0.468	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	NA	-/-	0.104 ± 0.402	0.709	U*
Tritium	pCi/L	20,000	1/Discharge	NA	-/-	9.46 ± 170	307	U*
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200	1/Discharge	NA	-/-	-9.43 ± 16.4	18.1	U*
Uranium	pCi/L	20	1/Discharge	NA	-/-	3.22 ± 0.582	0.162	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-	1/Discharge	NA	-/-	12.5 ± 78.9	135	U*



OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/4/2023 07:40 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15	1/Discharge	NA	-/-	1.29 ± 2.07	3.52	U*
Gross Beta	pCi/L	50	1/Discharge	NA	-/-	2.30 ± 0.762	0.913	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	NA	-/-	0.63 ± 0.405	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	NA	-/-	-0.124 ± 0.439	0.805	U*
Tritium	pCi/L	20,000	1/Discharge	NA	-/-	-11.7 ± 137	257	U*
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200	1/Discharge	NA	-/-	-2.89 ± 11.1	13.2	U*
Uranium	pCi/L	20	1/Discharge	NA	-/-	1.13 ± 0.409	0.178	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-	1/Discharge	NA	-/-	11.4 ± 87.0	98.4	U*

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/7/2023 07:10 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15	1/Discharge	NA	-/-	0.155 ± 1.43	2.77	U*
Gross Beta	pCi/L	50	1/Discharge	NA	-/-	2.38 ± 0.765	0.929	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	NA	-/-	0.725 ± 0.417	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	NA	-/-	-0.192 ± 0.311	0.619	U*
Tritium	pCi/L	20,000	1/Discharge	NA	-/-	69.4 ± 146	256	U*
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200	1/Discharge	NA	-/-	3.75 ± 9.77	11.7	U*
Uranium	pCi/L	20	1/Discharge	NA	-/-	1.50 ± 0.473	0.199	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-	1/Discharge	NA	-/-	57.2 ± 127	135	U*

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
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ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/11/2023 08:30 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15	1/Discharge	NA	-/-	2.15 ± 2.73	4.52	U*
Gross Beta	pCi/L	50	1/Discharge	NA	-/-	3.27 ± 1.39	1.87	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	NA	-/-	2.21 ± 0.661	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	NA	-/-	-0.309 ± 0.271	0.551	U*
Tritium	pCi/L	20,000	1/Discharge	NA	-/-	88.7 ± 196	339	U*
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200	1/Discharge	NA	-/-	1.04 ± 10.7	13.7	U*
Uranium	pCi/L	20	1/Discharge	NA	-/-	1.44 ± 0.600	0.337	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-	1/Discharge	NA	-/-	80.6 ± 99.1	156	U*

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/21/2023 09:55 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15	1/Discharge	NA	-/-	1.81 ± 1.96	3.14	U*
Gross Beta	pCi/L	50	1/Discharge	NA	-/-	6.21 ± 1.67	1.86	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	NA	-/-	0.762 ± 0.458	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	NA	-/-	-0.344 ± 0.778	1.48	U*
Tritium	pCi/L	20,000	1/Discharge	NA	-/-	-276 ± 197	416	U*
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200	1/Discharge	NA	-/-	3.60 ± 6.34	7.05	U*
Uranium	pCi/L	20	1/Discharge	NA	-/-	1.34 ± 0.467	0.271	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-	1/Discharge	NA	-/-	-10.6 ± 90.3	113	U*

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	OUTFALL SAMPLE FREQUENCY	RECEIVING WATER SAMPLE FREQUENCY	RECEIVING WATER LIMIT	3/30/2023 08:35 (Composite)		
						RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>								
Gross Alpha	pCi/L	15	1/Discharge	NA	-/-	0.0363 ± 2.58	4.78	U*
Gross Beta	pCi/L	50	1/Discharge	NA	-/-	2.67 ± 1.08	1.47	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	NA	-/-	0.677 ± 0.42	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	NA	-/-	0.0742 ± 0.478	0.843	U*
Tritium	pCi/L	20,000	1/Discharge	NA	-/-	-146 ± 213	418	U*
<b>ADDITIONAL POLLUTANTS</b>								
Cesium-137	pCi/L	200	1/Discharge	NA	-/-	-1.60 ± 8.05	9.39	U*
Uranium	pCi/L	20	1/Discharge	NA	-/-	2.02 ± 0.633	0.266	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>								
Potassium-40	pCi/L	-	1/Discharge	NA	-/-	76.1 ± 68.9	65.8	*

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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SAMPLE DATE & TIME	RECEIVING WATER LIMIT <sup>(s)</sup>	E. Coli (mpn/100mL)		
		SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
01/01/2023 09:30	235	Grab	490	J (H)
01/03/2023 09:40	235	Grab	160	--
01/04/2023 10:00	235	Grab	240	J (H)
01/05/2023 09:35	235	Grab	520	--
01/06/2023 10:50	235	Grab	93	--
Geomean	126	Calc	246	*

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/1/2023 09:30 - 1/2/2023 09:15		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	0.17216	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	3.2	--
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	29 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	Composite	ND	U (B)
Arsenic	LBS/DAY	9.83	1/Year	Composite	0.0023	--
Beryllium	LBS/DAY	3.93	1/Year	Composite	ND	U
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	Composite	6.2E-05	J (DNQ)
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.0039	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0012	J (DNQ)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	Composite	0.0027	J (DNQ)
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	Composite	0.00040	J (DNQ)
TCDD TEQ <sub>NoDNQ</sub> <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	4.0E-13	*
Thallium	LBS/DAY	1.97	1/Year	Composite	ND	U
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	0.011	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983	1/Year	Composite	0.045	--
Chloride	LBS/DAY	147,405	1/Discharge	Composite	17	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	Grab	0.0	*
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	0.20	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	Composite	ND	U
Iron	LBS/DAY	295	1/Discharge <sup>(r)(p)</sup>	Composite	1.2	--
Manganese	LBS/DAY	49.1	1/Year	Composite	0.045	--
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	1.2	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	1.2	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Perchlorate by 6850	LBS/DAY	5.9	1/Discharge	ANR	ANR	ANR
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	110	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	430	--

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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/5/2023 10:55 - 1/6/2023 10:50		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	4.3403	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	830 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.13	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U (B)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ <sub>NoDNQ</sub> <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	9.4E-10	*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	0.54	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	1.4	J (DNQ)
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	190	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	3.1	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)(p)</sup>	Composite	34	--
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	43	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	43	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Perchlorate by 6850	LBS/DAY	5.9	1/Discharge	ANR	ANR	ANR
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,500	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	6,200	--



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ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/9/2023 09:25 - 1/10/2023 10:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	15.663	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	680 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.27	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.035	J (DNQ)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ <sub>NoDNQ</sub> <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	0.18	--
Zinc	LBS/DAY	117	1/Discharge	Composite	1.0	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	640	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	35	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)(p)</sup>	Composite	18	--
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	140	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	160	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	12	J (DNQ)
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Perchlorate by 6850	LBS/DAY	5.9	1/Discharge	ANR	ANR	ANR
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	12,000	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	31,000	--

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/14/2023 10:20 - 1/15/2023 07:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	2.3538	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	200	--
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	610 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.049	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.015	J (DNQ)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	0.012 <sup>(f)</sup>	J (DNQ)
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	4.5E-12	*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	0.026	--
Zinc	LBS/DAY	117	1/Discharge	Composite	0.15	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	140	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	1.8	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)(p)</sup>	Composite	26	--
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	26	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	26	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Perchlorate by 6850	LBS/DAY	5.9	1/Discharge	ANR	ANR	ANR
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,400	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	5,100	--

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/20/2023 09:25 - 1/21/2023 07:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.2907	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	6.5	J (DNQ)
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	ND	U
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	0.0013	J (DNQ)
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.018	J (DNQ)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	0.017	--
Zinc	LBS/DAY	117	1/Discharge	Composite	ND	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	89	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)(p)</sup>	Composite	0.14	J (DNQ)
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	9.0	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	9.0	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Perchlorate by 6850	LBS/DAY	5.9	1/Discharge	ANR	ANR	ANR
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,300	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	3,400	--

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	1/30/2023 07:25 - 1/31/2023 08:00		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	0.14265	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	5.7	--
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	1.2 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.0017	J (DNQ)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ <sub>NoDNQ</sub> <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	ND	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	21	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)(p)</sup>	Composite	0.017	J (DNQ)
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	0.63	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	0.63	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Perchlorate by 6850	LBS/DAY	5.9	1/Discharge	ANR	ANR	ANR
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	190	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	560	--

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	2/23/2023 09:00 - 2/24/2023 07:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.13163	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	1.6	J (DNQ)
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	ND	U
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.0010	J (DNQ)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.00014	J (DNQ)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	ND	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	42	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)(p)</sup>	Composite	0.041	J+ (B)
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	0.082	J (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	0.082	J (DNQ)
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Perchlorate by 6850	LBS/DAY	5.9	1/Discharge	ANR	ANR	ANR
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	260	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	790	--

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/3/2023 07:20 - 3/4/2023 07:40

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/3/2023 07:20 - 3/4/2023 07:40		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.7577	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	ND	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.025	J (DNQ)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	0.018	*
Zinc	LBS/DAY	117	1/Discharge	Composite	0.048	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	150	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)(p)</sup>	Composite	0.35	J+ (B)
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	5.4	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	5.4	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Perchlorate by 6850	LBS/DAY	5.9	1/Discharge	ANR	ANR	ANR
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,800	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	4,800	*

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/6/2023 08:05 - 3/7/2023 07:10

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/6/2023 08:05 - 3/7/2023 07:10		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	1.5518	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	ND	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.023	J (DNQ*)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U*
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	0.0087 <sup>(e)</sup>	J (DNQ*)
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ <sub>NoDNQ</sub> <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	0.014	*
Zinc	LBS/DAY	117	1/Discharge	Composite	ND	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	210	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)(p)</sup>	Composite	0.26	*
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	3.8	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	3.8	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Perchlorate by 6850	LBS/DAY	5.9	1/Discharge	ANR	ANR	ANR
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,700	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	5,000	*

OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/10/2023 08:55 - 3/11/2023 08:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.93144	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	160 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.016	*
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0060	J (DNQ*)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	0.0078 <sup>(f)</sup>	J (DNQ*)
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	0.056	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	120	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)(p)</sup>	ANR	ANR	ANR
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	3.3	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	3.3	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Perchlorate by 6850	LBS/DAY	5.9	1/Discharge	Composite	0.0019	J (DNQ*)
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,200	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	3,300	*



OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/20/2023 09:25 - 3/21/2023 09:55		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.7444	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	170 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.029	*
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0070	J (DNQ*)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	0.012 <sup>(f)</sup>	J (DNQ*)
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	0.013	*
Zinc	LBS/DAY	117	1/Discharge	Composite	0.071	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	250	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)(p)</sup>	ANR	ANR	ANR
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	4.1	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	4.1	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Perchlorate by 6850	LBS/DAY	5.9	1/Discharge	ANR	ANR	ANR
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,700	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	5,500	*

**OUTFALL 002  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM BENCHMARK LIMIT	SAMPLE FREQUENCY	3/29/2023 08:50 - 3/30/2023 08:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	2.0338	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	12	J (DNQ*)
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	73 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.027	J (DNQ*)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0037	J (DNQ*)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	0.012 <sup>(f)</sup>	J (DNQ*)
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	0.014	*
Zinc	LBS/DAY	117	1/Discharge	Composite	0.059	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	220	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)(p)</sup>	ANR	ANR	ANR
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	3.2	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	3.2	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Perchlorate by 6850	LBS/DAY	5.9	1/Discharge	ANR	ANR	ANR
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	2,000	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	6,400	*

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/5/2023 08:50 - 1/6/2023 09:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.342	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.53	U
pH (Field)	s.u	6.5-8.5	1/Discharge	Grab	7.85	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	ug/L	6	1/Discharge	Composite	ND < 0.36	U
Cadmium	ug/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Copper	ug/L	14	1/Discharge	Composite	2.8	--
Cyanide	ug/L	9.5	1/Discharge	Composite	ND < 2.5	U
Lead	ug/L	5.2	1/Discharge	Composite	0.79	J (DNQ)
Mercury	ug/L	0.13	1/Discharge	Composite	0.16	J (DNQ)
Nickel	ug/L	86	1/Discharge	Composite	2.1	--
Selenium	ug/L	5	1/Discharge	Composite	ND < 0.52	U
Thallium	ug/L	2.0	1/Discharge	Composite	ND < 0.11	U
Zinc	ug/L	120	1/Discharge	Composite	8.5	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.041	J (DNQ)
Boron	mg/L	1.0	1/Year	Composite	0.083	J (DNQ)
Chloride	mg/L	150	1/Discharge	Composite	3.7	J (DNQ)
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass, -44.72	--
Fluoride	mg/L	1.6	1/Year	Composite	ND < 0.23	U
Nitrate - N	mg/L	8	1/Discharge	Composite	1.8	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	1.8	--
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.22	U
Perchlorate	ug/L	6.0	1/Discharge	Composite	1.3	J (DNQ)
Sulfate	mg/L	300	1/Discharge	Composite	3.3	J (DNQ)
Temperature (Field)	Deg F	86	1/Discharge	Grab	52.1	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	110	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	ug/L	-	1/Year	Grab	ND < 0.25	U
1,1,2,2-Tetrachloroethane	ug/L	-	1/Year	Grab	ND < 0.20	U
1,1,2-Trichloroethane	ug/L	-	1/Year	Grab	ND < 0.17	U
1,1-Dichloroethane	ug/L	-	1/Year	Grab	ND < 0.39	U
1,1-Dichloroethene	ug/L	-	1/Year	Grab	ND < 0.33	U
1,2,4-Trichlorobenzene	ug/L	-	1/Year	Composite	ND < 0.12	U
1,2-Dichlorobenzene (VOC)	ug/L	-	1/Year	Grab	ND < 0.16	U
1,2-Dichlorobenzene (SVOC)	ug/L	-	1/Year	Composite	ND < 0.11	U
1,2-Dichloroethane	ug/L	-	1/Year	Grab	ND < 0.15	U
1,2-Dichloropropane	ug/L	-	1/Year	Grab	ND < 0.17	U
1,2-Diphenylhydrazine/Azobenzene	ug/L	-	1/Year	Composite	ND < 0.087	U
1,3-Dichlorobenzene (VOC)	ug/L	-	1/Year	Grab	ND < 0.16	U
1,3-Dichlorobenzene (SVOC)	ug/L	-	1/Year	Composite	ND < 0.11	U
1,4-Dichlorobenzene (VOC)	ug/L	-	1/Year	Grab	ND < 0.11	U
1,4-Dichlorobenzene (SVOC)	ug/L	-	1/Year	Composite	ND < 0.13	U
2,4,6-Trichlorophenol	ug/L	-	1/Year	Composite	ND < 0.13	U
2,4-Dichlorophenol	ug/L	-	1/Year	Composite	ND < 0.13	U
2,4-Dimethylphenol	ug/L	-	1/Year	Composite	ND < 0.12	U
2,4-Dinitrophenol	ug/L	-	1/Year	Composite	ND < 4.1	U
2,4-Dinitrotoluene	ug/L	-	1/Year	Composite	ND < 0.11	U
2,6-Dinitrotoluene	ug/L	-	1/Year	Composite	ND < 0.17	U
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	Grab	ND < 1.1	U
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	Grab	ND < 0.19	UJ (H)
2-Chloronaphthalene	ug/L	-	1/Year	Composite	ND < 0.14	U
2-Chlorophenol	ug/L	-	1/Year	Composite	ND < 0.092	U
2-Methyl-4,6-dinitrophenol	ug/L	-	1/Year	Composite	ND < 4.4	U
2-Nitrophenol	ug/L	-	1/Year	Composite	ND < 3.4	U
3,3'-Dichlorobenzidine	ug/L	-	1/Year	Composite	ND < 2.9	U
4,4'-DDD	ug/L	-	1/Year	Composite	ND < 0.0044	U
4,4'-DDE	ug/L	-	1/Year	Composite	ND < 0.0019	U
4,4'-DDT	ug/L	-	1/Year	Composite	ND < 0.0016	U
4-Bromophenyl phenyl ether	ug/L	-	1/Year	Composite	ND < 0.096	U
4-Chloro-3-methylphenol	ug/L	-	1/Year	Composite	ND < 0.13	U

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/5/2023 08:50 - 1/6/2023 09:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Chlorophenyl phenyl ether	ug/L	-	1/Year	Composite	ND < 0.16	U
4-Nitrophenol	ug/L	-	1/Year	Composite	ND < 3.2	U
Acenaphthene	ug/L	-	1/Year	Composite	ND < 0.094	U
Acenaphthylene	ug/L	-	1/Year	Composite	ND < 0.12	U
Acrolein	ug/L	-	1/Year	Grab	ND < 4.6	U
Acrylonitrile	ug/L	-	1/Year	Grab	ND < 1.4	U
Aldrin	ug/L	-	1/Year	Composite	ND < 0.0031	U
alpha-BHC	ug/L	-	1/Year	Composite	ND < 0.0012	U
alpha-Endosulfan	ug/L	-	1/Year	Composite	ND < 0.0013	U
Anthracene	ug/L	-	1/Year	Composite	ND < 0.081	U
Aroclor 1016	ug/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1221	ug/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1232	ug/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1242	ug/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1248	ug/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1254	ug/L	-	1/Year	Composite	ND < 0.052	U
Aroclor 1260	ug/L	-	1/Year	Composite	ND < 0.052	U
Arsenic	ug/L	-	1/Year	Composite	1.3	--
Asbestos, > 0.5 um	MFL	-	1/Year	Composite	ND < 5.00	U*
Asbestos, >10 um	MFL	-	1/Year	Composite	ND < 5.00	U*
Benzene	ug/L	-	1/Year	Grab	ND < 0.28	U
Benzidine	ug/L	-	1/Year	Composite	ND < 2.6	U
Benzo(a)anthracene	ug/L	-	1/Year	Composite	ND < 0.12	U
Benzo(a)pyrene	ug/L	-	1/Year	Composite	ND < 0.15	U
Benzo(b)fluoranthene	ug/L	-	1/Year	Composite	ND < 0.11	U
Benzo(g,h,i)perylene	ug/L	-	1/Year	Composite	ND < 0.10	U
Benzo(k)fluoranthene	ug/L	-	1/Year	Composite	ND < 0.11	U
Beryllium	ug/L	-	1/Year	Composite	ND < 0.26	U
beta-BHC	ug/L	-	1/Year	Composite	ND < 0.0039	U
beta-Endosulfan	ug/L	-	1/Year	Composite	ND < 0.0041	U
Bis (2-Chloroethoxy) Methane	ug/L	-	1/Year	Composite	ND < 0.10	U
Bis (2-Chloroethyl) Ether	ug/L	-	1/Year	Composite	ND < 0.10	U
Bis (2-Chloroisopropyl) Ether	ug/L	-	1/Year	Composite	ND < 0.13	U
Bis (2-Ethylhexyl) Phthalate	ug/L	-	1/Year	Composite	ND < 3.5	U
Bromoform	ug/L	-	1/Year	Grab	ND < 0.25	U
Bromomethane (Methyl Bromide)	ug/L	-	1/Year	Grab	ND < 0.22	U
Butyl benzylphthalate	ug/L	-	1/Year	Composite	ND < 0.65	U
Carbon tetrachloride	ug/L	-	1/Year	Grab	ND < 0.28	U
Chlordane	ug/L	-	1/Year	Composite	ND < 0.026	U
Chlorobenzene	ug/L	-	1/Year	Grab	ND < 0.19	U
Chlorodibromomethane	ug/L	-	1/Year	Grab	ND < 0.15	U
Chloroethane	ug/L	-	1/Year	Grab	ND < 0.29	U
Chloroform	ug/L	-	1/Year	Grab	ND < 0.19	U
Chloromethane (Methyl Chloride)	ug/L	-	1/Year	Grab	ND < 0.30	U
Chromium	ug/L	-	1/Year	Composite	1.3	J (DNQ*)
Chromium III (Trivalent)	ug/L	-	1/Year	Composite	ND < 3.0	U
Chromium VI (Hexavalent)	ug/L	-	1/Year	Composite	0.037	J (DNQ)
Chrysene	ug/L	-	1/Year	Composite	ND < 0.11	U
cis-1,3-Dichloropropene	ug/L	-	1/Year	Grab	ND < 0.30	U
delta-BHC	ug/L	-	1/Year	Composite	ND < 0.0020	U
Dibenzo(a,h)anthracene	ug/L	-	1/Year	Composite	ND < 0.15	U
Dichlorobromomethane	ug/L	-	1/Year	Grab	ND < 0.19	U
Dieldrin	ug/L	-	1/Year	Composite	ND < 0.0013	U
Diethyl phthalate	ug/L	-	1/Year	Composite	ND < 0.17	U
Dimethyl phthalate	ug/L	-	1/Year	Composite	0.1	J (DNQ)
Di-n-butyl phthalate	ug/L	-	1/Year	Composite	ND < 1.8	U
Di-n-octyl phthalate	ug/L	-	1/Year	Composite	ND < 0.51	U
Endosulfan sulfate	ug/L	-	1/Year	Composite	ND < 0.0014	U
Endrin	ug/L	-	1/Year	Composite	ND < 0.0023	U
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	Composite	ND < 0.024	U
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	Composite	ND < 0.0019	U*
Ethylbenzene	ug/L	-	1/Year	Grab	ND < 0.25	U
Fluoranthene	ug/L	-	1/Year	Composite	ND < 0.097	U

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/5/2023 08:50 - 1/6/2023 09:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Fluorene	ug/L	-	1/Year	Composite	ND < 0.091	U
gamma-BHC (Lindane)	ug/L	-	1/Year	Composite	ND < 0.00066	U
Heptachlor	ug/L	-	1/Year	Composite	ND < 0.0012	U
Heptachlor epoxide	ug/L	-	1/Year	Composite	ND < 0.0039	U
Hexachlorobenzene	ug/L	-	1/Year	Composite	ND < 0.13	U
Hexachlorobutadiene	ug/L	-	1/Year	Composite	ND < 0.15	U
Hexachlorocyclopentadiene	ug/L	-	1/Year	Composite	ND < 0.15	U
Hexachloroethane	ug/L	-	1/Year	Composite	ND < 0.12	U
Indeno(1,2,3-cd)pyrene	ug/L	-	1/Year	Composite	ND < 0.12	U
Isophorone	ug/L	-	1/Year	Composite	ND < 0.095	U
m,p-Xylenes	ug/L	-	1/Year	Grab	ND < 0.17	U
Methylene chloride	ug/L	-	1/Year	Grab	ND < 0.57	U
Naphthalene (VOC)	ug/L	-	1/Year	Grab	ND < 0.33	U
Naphthalene (SVOC)	ug/L	-	1/Year	Composite	ND < 0.11	U
Nitrobenzene	ug/L	-	1/Year	Composite	ND < 0.14	U
N-Nitrosodimethylamine	ug/L	-	1/Year	Composite	ND < 0.18	U
N-Nitroso-di-n-propylamine	ug/L	-	1/Year	Composite	ND < 0.14	U
N-Nitrosodiphenylamine	ug/L	-	1/Year	Composite	ND < 0.10	U
o-Xylene	ug/L	-	1/Year	Grab	ND < 0.15	U
Pentachlorophenol	ug/L	-	1/Year	Composite	ND < 0.81	U
Phenanthrene	ug/L	-	1/Year	Composite	ND < 0.16	U
Phenol	ug/L	-	1/Year	Composite	ND < 0.50	U
Pyrene	ug/L	-	1/Year	Composite	ND < 0.083	U
Tetrachloroethene	ug/L	-	1/Year	Grab	ND < 0.21	U
Toluene	ug/L	-	1/Year	Grab	ND < 0.23	U
Toxaphene	ug/L	-	1/Year	Composite	ND < 0.054	U
trans-1,2-Dichloroethene	ug/L	-	1/Year	Grab	ND < 0.24	U
trans-1,3-Dichloropropene	ug/L	-	1/Year	Grab	ND < 0.18	U
Trichloroethene	ug/L	-	1/Year	Grab	ND < 0.17	U
Trichlorofluoromethane	ug/L	-	1/Year	Grab	ND < 0.29	U
Vinyl chloride	ug/L	-	1/Year	Grab	ND < 0.47	U
Xylenes (Total)	ug/L	-	1/Year	Grab	ND < 0.17	U
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	ug/L	-	1/Year	Composite	1,200	--
Chlorpyrifos	ug/L	-	1/Year	Composite	ND < 0.0013	U
Diazinon	ug/L	-	1/Year	Composite	ND < 0.0010	UJ (H)
E. Coli	mpn/100mL	-	1/Year	Grab	100	--
Hardness (as CaCO3)	mg/L	-	1/Year	Composite	52	--
Iron	mg/L	-	1/Year	Composite	1.0	--
Silver	ug/L	-	1/Discharge	Composite	ND < 0.23	U
Total Suspended Solids	mg/L	-	1/Year	Composite	10	--
Vanadium	ug/L	-	1/Year	Composite	3.1	--

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/5/2023 08:50 - 1/6/2023 09:05						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Aluminum, dissolved	ug/L	-	Additional/Year	Composite	87	--
Antimony, dissolved	ug/L	-	Additional/Discharge	Composite	1.6	J (DNQ)
Arsenic, dissolved	ug/L	-	Additional/Year	Composite	1.0	--
Beryllium, dissolved	ug/L	-	Additional/Year	Composite	ND < 0.26	U
Boron, dissolved	mg/L	-	Additional/Year	Composite	0.078	J (DNQ)
Cadmium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	ug/L	-	Additional/Year	Composite	0.34	J (DNQ*)
cis-1,2-Dichloroethene	ug/L	-	Additional/Year	Grab	ND < 0.21	U
Copper, dissolved	ug/L	-	Additional/Discharge	Composite	2.1	--
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	Composite	48	--
Human Bacteroides	CEs/100mL	-	Additional/Year	Grab	178	J (DNQ*)
Iron, dissolved	mg/L	-	Additional/Year	Composite	0.077	--
Lead, dissolved	ug/L	-	Additional/Discharge	Composite	0.14	J (DNQ)
Mercury, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	ug/L	-	Additional/Discharge	Composite	1.4	J (DNQ)
Selenium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	ug/L	-	Additional/Discharge	Composite	0.27	J (DNQ)
Thallium, dissolved	ug/L	-	Additional/Discharge	Composite	0.11	J (DNQ)
Vanadium, dissolved	ug/L	-	Additional/Year	Composite	1.3	J (DNQ)
Zinc, dissolved	ug/L	-	Additional/Discharge	Composite	3.9	J (DNQ)

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/9/2023 10:30 - 1/11/2023 10:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	2.40	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	3.2	--
pH (Field)	s.u	6.5-8.5	1/Discharge	Grab	8.17	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	ug/L	6	1/Discharge	Composite	0.72	J (DNQ)
Cadmium	ug/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Copper	ug/L	14	1/Discharge	Composite	4.4	--
Cyanide	ug/L	9.5	1/Discharge	Composite	ND < 2.5	U
Lead	ug/L	5.2	1/Discharge	Composite	0.68	J (DNQ)
Mercury	ug/L	0.13	1/Discharge	Composite	ND < 0.12	U
Nickel	ug/L	86	1/Discharge	Composite	1.8	J (DNQ)
Selenium	ug/L	5	1/Discharge	Composite	ND < 0.52	U
Thallium	ug/L	2.0	1/Discharge	Composite	ND < 0.11	U
Zinc	ug/L	120	1/Discharge	Composite	9.7	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	2.6	--
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass, -45.09	--
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	1.2	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	1.3	--
Nitrite - N	mg/L	1	1/Discharge	Composite	0.092	J (DNQ)
Perchlorate	ug/L	6.0	1/Discharge	Composite	1.1	J (DNQ)
Sulfate	mg/L	300	1/Discharge	Composite	2.9	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	51.7	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	140	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/9/2023 10:30 - 1/11/2023 10:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Chlorophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	ug/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	-	1/Year	ANR	ANR	ANR
Asbestos, > 0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, >10 um	MFL	-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-	1/Year	ANR	ANR	ANR
Benzidine	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	ug/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	ug/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	ug/L	-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR



OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/9/2023 10:30 - 1/11/2023 10:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Fluorene	ug/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	ug/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-	1/Year	ANR	ANR	ANR
o-Xylene	ug/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	ug/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	ug/L	-	1/Year	ANR	ANR	ANR
Diazinon	ug/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Silver	ug/L	-	1/Discharge	Composite	ND < 0.23	U
Total Suspended Solids	mg/L	-	1/Year	Composite	9.2	--
Vanadium	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/9/2023 10:30 - 1/11/2023 10:35						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Aluminum, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	ug/L	-	Additional/Discharge	Composite	1.0	J (DNQ)
Arsenic, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	ug/L	-	Additional/Discharge	Composite	2.1	--
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	Grab	ND	U*
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U
Mercury, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	ug/L	-	Additional/Discharge	Composite	1.6	J (DNQ)
Selenium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.23	U
Thallium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.11	U
Vanadium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	ug/L	-	Additional/Discharge	Composite	7.1	J (DNQ)

**OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/14/2023 11:55 - 1/15/2023 10:10		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.491	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.51	U
pH (Field)	s.u	6.5-8.5	1/Discharge	Grab	7.58	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	ug/L	6	1/Discharge	Composite	ND < 0.36	U
Cadmium	ug/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Copper	ug/L	14	1/Discharge	Composite	1.9	J (DNQ)
Cyanide	ug/L	9.5	1/Discharge	Composite	ND < 2.5	U
Lead	ug/L	5.2	1/Discharge	Composite	0.41	J (DNQ)
Mercury	ug/L	0.13	1/Discharge	Composite	ND < 0.12	U
Nickel	ug/L	86	1/Discharge	Composite	1.5	J (DNQ)
Selenium	ug/L	5	1/Discharge	Composite	ND < 0.52	U
Thallium	ug/L	2.0	1/Discharge	Composite	ND < 0.11	U
Zinc	ug/L	120	1/Discharge	Composite	5.0	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	4.5	J (DNQ)
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	1.4	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	1.4	--
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.22	U
Perchlorate	ug/L	6.0	1/Discharge	Composite	ND < 0.91	U
Sulfate	mg/L	300	1/Discharge	Composite	4.5	J (DNQ)
Temperature (Field)	Deg F	86	1/Discharge	Grab	51	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	140	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/14/2023 11:55 - 1/15/2023 10:10						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Chlorophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	ug/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	-	1/Year	ANR	ANR	ANR
Asbestos, > 0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, >10 um	MFL	-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-	1/Year	ANR	ANR	ANR
Benzidine	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	ug/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	ug/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	ug/L	-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/14/2023 11:55 - 1/15/2023 10:10						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Fluorene	ug/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	ug/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-	1/Year	ANR	ANR	ANR
o-Xylene	ug/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	ug/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	ug/L	-	1/Year	ANR	ANR	ANR
Diazinon	ug/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Silver	ug/L	-	1/Discharge	Composite	ND < 0.23	U
Total Suspended Solids	mg/L	-	1/Year	Composite	7.2	--
Vanadium	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/14/2023 11:55 - 1/15/2023 10:10						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Aluminum, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.36	U
Arsenic, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	ug/L	-	Additional/Discharge	Composite	1.7	J (DNQ)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U
Mercury, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	ug/L	-	Additional/Discharge	Composite	1.4	J (DNQ)
Selenium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.23	U
Thallium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.11	U
Vanadium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	ug/L	-	Additional/Discharge	Composite	3.3	J (DNQ)

**OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

1/20/2023 10:50 - 1/21/2023 08:55						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.0920	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.49	U
pH (Field)	s.u	6.5-8.5	1/Discharge	Grab	7.99	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	ug/L	6	1/Discharge	Composite	0.80	J (DNQ)
Cadmium	ug/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Copper	ug/L	14	1/Discharge	Composite	1.4	J (DNQ)
Cyanide	ug/L	9.5	1/Discharge	Composite	ND < 2.5	U
Lead	ug/L	5.2	1/Discharge	Composite	ND < 0.12	U
Mercury	ug/L	0.13	1/Discharge	Composite	ND < 0.12	U
Nickel	ug/L	86	1/Discharge	Composite	1.4	J (DNQ)
Selenium	ug/L	5	1/Discharge	Composite	ND < 0.52	U
Thallium	ug/L	2.0	1/Discharge	Composite	ND < 0.11	U
Zinc	ug/L	120	1/Discharge	Composite	ND < 2.8	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	5.7	--
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	1.5	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	1.6	--
Nitrite - N	mg/L	1	1/Discharge	Composite	0.12	--
Perchlorate	ug/L	6.0	1/Discharge	Composite	ND < 0.91	U
Sulfate	mg/L	300	1/Discharge	Composite	6.6	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	46.4	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	150	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/20/2023 10:50 - 1/21/2023 08:55						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Chlorophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	ug/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	-	1/Year	ANR	ANR	ANR
Asbestos, > 0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, >10 um	MFL	-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-	1/Year	ANR	ANR	ANR
Benzidine	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	ug/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	ug/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	ug/L	-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR



OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/20/2023 10:50 - 1/21/2023 08:55						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Fluorene	ug/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	ug/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-	1/Year	ANR	ANR	ANR
o-Xylene	ug/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	ug/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	ug/L	-	1/Year	ANR	ANR	ANR
Diazinon	ug/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Silver	ug/L	-	1/Discharge	Composite	ND < 0.23	U
Total Suspended Solids	mg/L	-	1/Year	Composite	ND < 0.83	U
Vanadium	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/20/2023 10:50 - 1/21/2023 08:55						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Aluminum, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	ug/L	-	Additional/Discharge	Composite	0.91	J (DNQ)
Arsenic, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	ug/L	-	Additional/Discharge	Composite	1.3	J (DNQ)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U
Mercury, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 2.0	U (B)
Selenium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.23	U
Thallium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.11	U
Vanadium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 2.8	U

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

2/25/2023 08:20 - 2/25/2023 08:35						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	7.21 <sup>(v)</sup>	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.51	U
pH (Field)	s.u	6.5-8.5	1/Discharge	Grab	8.42	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	ug/L	6	1/Discharge	Composite	1.8	J (DNQ*)
Cadmium	ug/L	(4.0) 3.1	1/Discharge	Composite	0.14 <sup>(b)</sup>	J (DNQ*)
Copper	ug/L	14	1/Discharge	Composite	3.5	*
Cyanide	ug/L	9.5	1/Discharge	Composite	ND < 2.5	U*
Lead	ug/L	5.2	1/Discharge	Composite	1.4	*
Mercury	ug/L	0.13	1/Discharge	Composite	ND < 0.12	U*
Nickel	ug/L	86	1/Discharge	Composite	2.1	*
Selenium	ug/L	5	1/Discharge	Composite	ND < 0.52	U*
Thallium	ug/L	2.0	1/Discharge	Composite	0.12	J (DNQ*)
Zinc	ug/L	120	1/Discharge	Composite	8.4	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	2.9	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.47	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.56	*
Nitrite - N	mg/L	1	1/Discharge	Composite	0.091	J (DNQ*)
Perchlorate	ug/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Sulfate	mg/L	300	1/Discharge	Composite	3.1	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	44.5	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	110	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/25/2023 08:20 - 2/25/2023 08:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Chlorophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	ug/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	-	1/Year	ANR	ANR	ANR
Asbestos, > 0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, >10 um	MFL	-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-	1/Year	ANR	ANR	ANR
Benzidine	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	ug/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	ug/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	ug/L	-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/25/2023 08:20 - 2/25/2023 08:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Fluorene	ug/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	ug/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-	1/Year	ANR	ANR	ANR
o-Xylene	ug/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	ug/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	ug/L	-	1/Year	ANR	ANR	ANR
Diazinon	ug/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Silver	ug/L	-	1/Discharge	Composite	0.30	J (DNQ*)
Total Suspended Solids	mg/L	-	1/Year	Composite	23	*
Vanadium	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/25/2023 08:20 - 2/25/2023 08:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Aluminum, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	ug/L	-	Additional/Discharge	Composite	3.0	*
Arsenic, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-	Additional/Discharge	Composite	0.27	J (DNQ*)
Chromium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	ug/L	-	Additional/Discharge	Composite	2.0	*
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	ug/L	-	Additional/Discharge	Composite	0.35	J (DNQ*)
Mercury, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	ug/L	-	Additional/Discharge	Composite	1.1	J (DNQ*)
Selenium, dissolved	ug/L	-	Additional/Discharge	Composite	0.53	J (DNQ*)
Silver, dissolved	ug/L	-	Additional/Discharge	Composite	0.51	J (DNQ*)
Thallium, dissolved	ug/L	-	Additional/Discharge	Composite	0.27	J (DNQ*)
Vanadium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	ug/L	-	Additional/Discharge	Composite	3.5	J (DNQ*)

**OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/5/2023 07:05 - 3/6/2023 07:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.0959 <sup>(w)</sup>	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U
pH (Field)	s.u	6.5-8.5	1/Discharge	Grab	7.41	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	ug/L	6	1/Discharge	Composite	2.5	--
Cadmium	ug/L	(4.0) 3.1	1/Discharge	Composite	0.13 <sup>(a)</sup>	J (DNQ)
Copper	ug/L	14	1/Discharge	Composite	1.1	J (DNQ)
Cyanide	ug/L	9.5	1/Discharge	Composite	ND < 2.5	U*
Lead	ug/L	5.2	1/Discharge	Composite	0.21	J (DNQ)
Mercury	ug/L	0.13	1/Discharge	Composite	ND < 0.12	U*
Nickel	ug/L	86	1/Discharge	Composite	1.0	J (DNQ)
Selenium	ug/L	5	1/Discharge	Composite	ND < 0.52	U
Thallium	ug/L	2.0	1/Discharge	Composite	0.14	J (DNQ)
Zinc	ug/L	120	1/Discharge	Composite	ND < 2.8	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	5.1	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.14	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.29	*
Nitrite - N	mg/L	1	1/Discharge	Composite	0.15	*
Perchlorate	ug/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Sulfate	mg/L	300	1/Discharge	Composite	5.9	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	48.8	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	160	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/5/2023 07:05 - 3/6/2023 07:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Chlorophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	ug/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	-	1/Year	ANR	ANR	ANR
Asbestos, > 0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, >10 um	MFL	-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-	1/Year	ANR	ANR	ANR
Benzidine	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	ug/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	ug/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	ug/L	-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR



OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/5/2023 07:05 - 3/6/2023 07:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Fluorene	ug/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	ug/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-	1/Year	ANR	ANR	ANR
o-Xylene	ug/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	ug/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	ug/L	-	1/Year	ANR	ANR	ANR
Diazinon	ug/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Silver	ug/L	-	1/Discharge	Composite	0.35	J (DNQ)
Total Suspended Solids	mg/L	-	1/Year	Composite	ND < 0.83	U*
Vanadium	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/5/2023 07:05 - 3/6/2023 07:05						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Aluminum, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	ug/L	-	Additional/Discharge	Composite	3.3	J+ (B)
Arsenic, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	ug/L	-	Additional/Discharge	Composite	1.2	J (DNQ)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	ug/L	-	Additional/Discharge	Composite	0.14	J (DNQ)
Mercury, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	ug/L	-	Additional/Discharge	Composite	1.1	J (DNQ)
Selenium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	ug/L	-	Additional/Discharge	Composite	0.4	J (DNQ)
Thallium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.11	U
Vanadium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	ug/L	-	Additional/Discharge	Composite	3.0	J (DNQ)

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/6/2023 07:20 - 3/7/2023 08:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.0959	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.49	U
pH (Field)	s.u	6.5-8.5	1/Discharge	Grab	7.26	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	ug/L	6	1/Discharge	Composite	0.82	J (DNQ*)
Cadmium	ug/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Copper	ug/L	14	1/Discharge	Composite	1.2	J (DNQ*)
Cyanide	ug/L	9.5	1/Discharge	Composite	ND < 2.5	U*
Lead	ug/L	5.2	1/Discharge	Composite	ND < 0.12	U*
Mercury	ug/L	0.13	1/Discharge	Composite	ND < 0.12	U*
Nickel	ug/L	86	1/Discharge	Composite	1.2	J (DNQ*)
Selenium	ug/L	5	1/Discharge	Composite	ND < 0.52	U*
Thallium	ug/L	2.0	1/Discharge	Composite	ND < 0.11	U*
Zinc	ug/L	120	1/Discharge	Composite	ND < 2.8	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	5.4	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.12	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.12	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U*
Perchlorate	ug/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Sulfate	mg/L	300	1/Discharge	Composite	5.9	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	45.1	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	140	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/6/2023 07:20 - 3/7/2023 08:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Chlorophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	ug/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	-	1/Year	ANR	ANR	ANR
Asbestos, > 0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, >10 um	MFL	-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-	1/Year	ANR	ANR	ANR
Benzidine	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	ug/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	ug/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	ug/L	-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/6/2023 07:20 - 3/7/2023 08:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Fluorene	ug/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	ug/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-	1/Year	ANR	ANR	ANR
o-Xylene	ug/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	ug/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	ug/L	-	1/Year	ANR	ANR	ANR
Diazinon	ug/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Silver	ug/L	-	1/Discharge	Composite	ND < 0.23	U*
Total Suspended Solids	mg/L	-	1/Year	Composite	ND < 0.83	U*
Vanadium	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/6/2023 07:20 - 3/7/2023 08:30						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Aluminum, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	ug/L	-	Additional/Discharge	Composite	0.89	J (DNQ*)
Arsenic, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chromium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	ug/L	-	Additional/Discharge	Composite	1.0	J (DNQ*)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Mercury, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	ug/L	-	Additional/Discharge	Composite	0.96	J (DNQ*)
Selenium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.52	U*
Silver, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.23	U*
Thallium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.11	U*
Vanadium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 2.8	U*

**OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/10/2023 09:40 - 3/11/2023 09:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.433	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.51	U*
pH (Field)	s.u	6.5-8.5	1/Discharge	Grab	7.58	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	ug/L	6	1/Discharge	Composite	1.4	J (DNQ*)
Cadmium	ug/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Copper	ug/L	14	1/Discharge	Composite	2.0	*
Cyanide	ug/L	9.5	1/Discharge	Composite	ND < 2.5	U*
Lead	ug/L	5.2	1/Discharge	Composite	0.71	J (DNQ*)
Mercury	ug/L	0.13	1/Discharge	Composite	ND < 0.12	U*
Nickel	ug/L	86	1/Discharge	Composite	1.7	J (DNQ*)
Selenium	ug/L	5	1/Discharge	Composite	ND < 0.52	U*
Thallium	ug/L	2.0	1/Discharge	Composite	ND < 0.11	U*
Zinc	ug/L	120	1/Discharge	Composite	6.1	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	4.2	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.29	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.29	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U*
Perchlorate	ug/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Sulfate	mg/L	300	1/Discharge	Composite	4.9	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	50.1	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	160	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/10/2023 09:40 - 3/11/2023 09:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Chlorophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	ug/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	-	1/Year	ANR	ANR	ANR
Asbestos, > 0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, >10 um	MFL	-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-	1/Year	ANR	ANR	ANR
Benzidine	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	ug/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	ug/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	ug/L	-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR



OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/10/2023 09:40 - 3/11/2023 09:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Fluorene	ug/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	ug/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-	1/Year	ANR	ANR	ANR
o-Xylene	ug/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	ug/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	ug/L	-	1/Year	ANR	ANR	ANR
Diazinon	ug/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Silver	ug/L	-	1/Discharge	Composite	ND < 0.23	U*
Total Suspended Solids	mg/L	-	1/Year	Composite	15	*
Vanadium	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/10/2023 09:40 - 3/11/2023 09:00						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Aluminum, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	ug/L	-	Additional/Discharge	Composite	1.1	J (DNQ*)
Arsenic, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chromium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	ug/L	-	Additional/Discharge	Composite	1.4	J (DNQ*)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Mercury, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	ug/L	-	Additional/Discharge	Composite	1.1	J (DNQ*)
Selenium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.52	U*
Silver, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.23	U*
Thallium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.11	U*
Vanadium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	ug/L	-	Additional/Discharge	Composite	3.0	J (DNQ*)

**OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 08:55 - 3/21/2023 08:50		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.170	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U*
pH (Field)	s.u	6.5-8.5	1/Discharge	Grab	8.00	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	ug/L	6	1/Discharge	Composite	0.58	J (DNQ*)
Cadmium	ug/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Copper	ug/L	14	1/Discharge	Composite	1.3	J (DNQ*)
Cyanide	ug/L	9.5	1/Discharge	Composite	ND < 2.5	U*
Lead	ug/L	5.2	1/Discharge	Composite	ND < 0.12	U*
Mercury	ug/L	0.13	1/Discharge	Composite	ND < 0.12	U*
Nickel	ug/L	86	1/Discharge	Composite	ND < 0.17	U*
Selenium	ug/L	5	1/Discharge	Composite	ND < 0.52	U*
Thallium	ug/L	2.0	1/Discharge	Composite	ND < 0.11	U*
Zinc	ug/L	120	1/Discharge	Composite	3.5	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	5.1	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.12	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.12	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U*
Perchlorate	ug/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Sulfate	mg/L	300	1/Discharge	Composite	5.1	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	55.3	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	160	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 08:55 - 3/21/2023 08:50		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Chlorophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	ug/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	-	1/Year	ANR	ANR	ANR
Asbestos, > 0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, >10 um	MFL	-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-	1/Year	ANR	ANR	ANR
Benzidine	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	ug/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	ug/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	ug/L	-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 08:55 - 3/21/2023 08:50		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Fluorene	ug/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	ug/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-	1/Year	ANR	ANR	ANR
o-Xylene	ug/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	ug/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	ug/L	-	1/Year	ANR	ANR	ANR
Diazinon	ug/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Silver	ug/L	-	1/Discharge	Composite	ND < 0.23	U*
Total Suspended Solids	mg/L	-	1/Year	Composite	2.9	*
Vanadium	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/20/2023 08:55 - 3/21/2023 08:50						
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Aluminum, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	ug/L	-	Additional/Discharge	Composite	1.1	J (DNQ*)
Arsenic, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chromium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	ug/L	-	Additional/Discharge	Composite	1.1	J (DNQ*)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Mercury, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	ug/L	-	Additional/Discharge	Composite	1.1	J (DNQ*)
Selenium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.52	U*
Silver, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.23	U*
Thallium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.11	U*
Vanadium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	ug/L	-	Additional/Discharge	Composite	21	*

**OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/29/2023 10:45 - 3/30/2023 07:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.279	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U*
pH (Field)	s.u	6.5-8.5	1/Discharge	Grab	6.58	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	ug/L	6	1/Discharge	Composite	0.71	J (DNQ*)
Cadmium	ug/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Copper	ug/L	14	1/Discharge	Composite	1.5	J (DNQ*)
Cyanide	ug/L	9.5	1/Discharge	Composite	ND < 2.5	U*
Lead	ug/L	5.2	1/Discharge	Composite	0.43	J (DNQ*)
Mercury	ug/L	0.13	1/Discharge	Composite	ND < 0.12	U*
Nickel	ug/L	86	1/Discharge	Composite	1.5	J (DNQ*)
Selenium	ug/L	5	1/Discharge	Composite	ND < 0.52	U*
Thallium	ug/L	2.0	1/Discharge	Composite	ND < 0.11	U*
Zinc	ug/L	120	1/Discharge	Composite	4.0	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	4.8	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.23	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.23	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.086	U*
Perchlorate	ug/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Sulfate	mg/L	300	1/Discharge	Composite	4.5	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	53.7	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	170	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	ug/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	ug/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/29/2023 10:45 - 3/30/2023 07:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Chlorophenyl phenyl ether	ug/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	ug/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	ug/L	-	1/Year	ANR	ANR	ANR
Acrolein	ug/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	ug/L	-	1/Year	ANR	ANR	ANR
Aldrin	ug/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	ug/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	ug/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	ug/L	-	1/Year	ANR	ANR	ANR
Arsenic	ug/L	-	1/Year	ANR	ANR	ANR
Asbestos, > 0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, >10 um	MFL	-	1/Year	ANR	ANR	ANR
Benzene	ug/L	-	1/Year	ANR	ANR	ANR
Benzidine	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	ug/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR
Beryllium	ug/L	-	1/Year	ANR	ANR	ANR
beta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	ug/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Bromoform	ug/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	ug/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	ug/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	ug/L	-	1/Year	ANR	ANR	ANR
Chlordane	ug/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Chloroform	ug/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium	ug/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	ug/L	-	1/Year	ANR	ANR	ANR
Chrysene	ug/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
delta-BHC	ug/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	ug/L	-	1/Year	ANR	ANR	ANR
Dieldrin	ug/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	ug/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-	1/Year	ANR	ANR	ANR
Endrin	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	ug/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	ug/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	ug/L	-	1/Year	ANR	ANR	ANR



OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/29/2023 10:45 - 3/30/2023 07:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Fluorene	ug/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor	ug/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	ug/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Isophorone	ug/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	ug/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	ug/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	ug/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	ug/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	ug/L	-	1/Year	ANR	ANR	ANR
o-Xylene	ug/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	ug/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	ug/L	-	1/Year	ANR	ANR	ANR
Phenol	ug/L	-	1/Year	ANR	ANR	ANR
Pyrene	ug/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Toluene	ug/L	-	1/Year	ANR	ANR	ANR
Toxaphene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	ug/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	ug/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	ug/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	ug/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	ug/L	-	1/Year	ANR	ANR	ANR
Diazinon	ug/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Silver	ug/L	-	1/Discharge	Composite	0.31	J (DNQ*)
Total Suspended Solids	mg/L	-	1/Year	Composite	2.7	*
Vanadium	ug/L	-	1/Year	ANR	ANR	ANR

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/29/2023 10:45 - 3/30/2023 07:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Aluminum, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	ug/L	-	Additional/Discharge	Composite	1.5	J (DNQ*)
Arsenic, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-	Additional/Discharge	Composite	0.36	J (DNQ*)
Chromium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	ug/L	-	Additional/Discharge	Composite	1.3	J (DNQ*)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	ug/L	-	Additional/Discharge	Composite	0.35	J (DNQ*)
Mercury, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	ug/L	-	Additional/Discharge	Composite	1.4	J (DNQ*)
Selenium, dissolved	ug/L	-	Additional/Discharge	Composite	ND < 0.52	U*
Silver, dissolved	ug/L	-	Additional/Discharge	Composite	0.4	J (DNQ*)
Thallium, dissolved	ug/L	-	Additional/Discharge	Composite	0.23	J (DNQ*)
Vanadium, dissolved	ug/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	ug/L	-	Additional/Discharge	Composite	4.2	J (DNQ*)

**OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/6/2023 09:05 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	3.7E-07	7.5E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	2.2E-07	3.7E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.9E-07	3.7E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	3.1E-07	2.0E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	2.1E-07	7.6E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.6E-07	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.8E-07	4.1E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.5E-07	4.6E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.3E-07	2.1E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	1.8E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.2E-07	1.0E-06	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.3E-07	4.2E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.5E-07	2.7E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	2.2E-07	3.9E-07	UJ (*III)	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.2E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	4.9E-07	7.9E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	1.7E-07	4.0E-06	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/11/2023 10:35 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	2.6E-07	4.4E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	1.4E-07	2.0E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.5E-07	5.7E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	2.0E-07	2.5E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.1E-07	8.0E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	1.9E-07	8.1E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.0E-07	4.9E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	1.7E-07	7.1E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.1E-07	6.1E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	1.7E-07	4.1E-07	U (B)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.1E-07	3.2E-07	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	9.6E-08	3.7E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.2E-07	5.8E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	1.9E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.5E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	2.8E-07	4.6E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	1.5E-07	3.2E-06	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/15/2023 10:10 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	2.8E-07	4.4E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	3.5E-07	2.2E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	3.2E-07	6.2E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	3.1E-07	2.5E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	2.3E-07	7.1E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.8E-07	7.8E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	2.0E-07	5.9E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.6E-07	1.0E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.6E-07	7.7E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	3.0E-07	4.7E-07	U (B)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.8E-07	4.3E-07	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.5E-07	4.2E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.7E-07	5.6E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	3.2E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	5.1E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	5.8E-07	3.2E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	2.8E-07	2.8E-06	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/21/2023 08:55 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.9E-07	1.3E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	1.6E-07	7.3E-07	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.8E-07	4.1E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	2.3E-07	2.1E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.8E-07	5.2E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.2E-07	4.6E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.6E-07	3.7E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.0E-07	3.6E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.5E-07	5.1E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	3.0E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.6E-07	2.7E-07	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.4E-07	2.5E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.9E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	5.9E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	6.8E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	2.4E-07	5.9E-06	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	2.8E-07	1.4E-06	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	2/25/2023 08:35 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	2.9E-07	4.1E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	3.2E-07	2.2E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	3.3E-07	1.0E-06	J (DNQ)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	4.0E-07	2.0E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	3.7E-07	9.2E-07	UJ (*III)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	4.0E-07	9.8E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	3.5E-07	7.6E-07	UJ (*III)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	3.5E-07	1.2E-06	J (DNQ)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	3.4E-07	1.5E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	4.9E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	3.4E-07	8.6E-07	UJ (*III)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	3.2E-07	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	3.9E-07	1.1E-06	J (DNQ)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	8.3E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	4.8E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	5.1E-07	4.8E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	3.8E-07	3.9E-06	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/6/2023 07:05 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.5E-06	2.7E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	5.7E-07	8.6E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	6.8E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	4.4E-07	2.6E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	4.3E-07	2.5E-06	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	4.5E-07	2.4E-06	J (DNQ)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	4.0E-07	1.9E-06	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	4.0E-07	1.7E-06	J (DNQ)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	4.8E-07	6.8E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	5.0E-07	7.0E-07	UJ (*III)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	4.7E-07	1.3E-06	J (DNQ)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	3.9E-07	1.6E-06	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	5.5E-07	2.3E-06	UJ (*III)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	7.0E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.6E-07	2.2E-06	J (DNQ)	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	8.4E-07	2.4E-04	--	2.4E-10
OCDF	1/Discharge	0.0001	0.02	µg/L	5.1E-07	2.0E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	2.4E-10
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08



**OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/7/2023 08:30 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	4.8E-07	4.5E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	2.5E-07	1.0E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	2.9E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	3.2E-07	2.3E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.8E-07	4.6E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	3.3E-07	5.0E-07	UJ (*III)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.7E-07	3.1E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.9E-07	3.4E-07	UJ (*III)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	2.0E-07	5.7E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.9E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	2.4E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.7E-07	3.9E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.7E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	5.8E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	2.4E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	3.3E-07	2.0E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	2.6E-07	3.2E-06	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/11/2023 09:00 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.5E-07	6.9E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	1.7E-08	2.2E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.8E-08	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	2.9E-08	ND	U	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	2.1E-08	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.8E-08	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	2.1E-08	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.6E-08	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	2.3E-08	ND	U	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.2E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.2E-08	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	2.1E-08	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.3E-08	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	6.1E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	1.1E-08	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	5.5E-07	7.3E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	3.3E-08	2.0E-06	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/21/2023 08:50 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.3E-08	ND	U	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	3.4E-09	ND	U	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	3.7E-09	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	6.0E-09	1.4E-06	J (DNQ)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	4.1E-09	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	5.9E-09	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	4.0E-09	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	5.4E-09	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	4.6E-09	4.2E-07	UJ (*III)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	1.3E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	6.9E-09	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	4.2E-09	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	7.7E-09	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	1.0E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	9.1E-09	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	1.5E-08	4.8E-06	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	2.1E-08	6.0E-07	UJ (*III)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/30/2023 07:35 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	3.2E-07	2.4E-06	UJ (BL)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	3.8E-07	ND	UJ (L)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	4.0E-07	ND	UJ (L)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	5.0E-08	2.0E-06	UJ (L*III)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	7.5E-08	ND	UJ (L)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	5.1E-08	ND	UJ (L)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	6.9E-08	ND	UJ (L)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	4.6E-08	ND	UJ (L)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	7.1E-08	1.5E-06	UJ (L*III)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.7E-08	ND	UJ (L)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	2.4E-08	1.9E-06	J (L)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	6.3E-08	ND	UJ (L)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	3.1E-08	ND	UJ (L)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	6.1E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	8.2E-09	ND	UJ (L)	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	1.7E-06	2.7E-05	UJ (BL)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	1.1E-06	ND	UJ (L)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/6/2023 09:05 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	5.22 ± 2.04	2.33	--
Gross Beta	pCi/L	50	1/Discharge	1.98 ± 0.832	1.09	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.28 ± 0.72	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	-0.0229 ± 0.458	0.826	U
Tritium	pCi/L	20,000	1/Discharge	-53.6 ± 149	288	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-2.89 ± 6.85	7.96	U
Uranium	pCi/L	20	1/Discharge	0.248 ± 0.273	0.370	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-26.7 ± 85.3	120	U

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/11/2023 10:35 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.308 ± 0.827	1.51	U
Gross Beta	pCi/L	50	1/Discharge	2.89 ± 0.831	0.935	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.08 ± 0.702	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	-0.0410 ± 0.400	0.727	U
Tritium	pCi/L	20,000	1/Discharge	-15.3 ± 162	297	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	4.23 ± 7.98	9.73	U
Uranium	pCi/L	20	1/Discharge	0.368 ± 0.311	0.331	--
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	20.4 ± 126	145	U

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/15/2023 10:10 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.637 ± 1.14	1.97	U
Gross Beta	pCi/L	50	1/Discharge	2.27 ± 0.764	0.966	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.12 ± 0.744	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	0.444 ± 0.388	0.614	U
Tritium	pCi/L	20,000	1/Discharge	199 ± 167	263	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	0.932 ± 6.56	8.23	U
Uranium	pCi/L	20	1/Discharge	0.0880 ± 0.192	0.348	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-1.15 ± 79.3	116	U

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/21/2023 08:55 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.35 ± 1.18	1.83	U
Gross Beta	pCi/L	50	1/Discharge	0.919 ± 0.581	0.842	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.833 ± 0.458	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	0.249 ± 0.407	0.685	U
Tritium	pCi/L	20,000	1/Discharge	-21.6 ± 153	283	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	3.36 ± 6.12	7.06	U
Uranium	pCi/L	20	1/Discharge	0.199 ± 0.183	0.240	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	47.4 ± 78.3	78.5	U



OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/25/2023 08:35 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	2.44 ± 1.06	1.09	*
Gross Beta	pCi/L	50	1/Discharge	2.91 ± 0.798	0.832	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.26 ± 0.818	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	0.543 ± 0.429	0.67	U*
Tritium	pCi/L	20,000	1/Discharge	-38.7 ± 165	309	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-0.880 ± 13.1	17.2	U*
Uranium	pCi/L	20	1/Discharge	0.300 ± 0.254	0.276	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	100 ± 116	173	U*

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/6/2023 07:05 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.36 ± 1.29	2.01	U*
Gross Beta	pCi/L	50	1/Discharge	0.794 ± 0.602	0.896	U*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.743 ± 0.497	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	-0.0900 ± 0.467	0.849	U*
Tritium	pCi/L	20,000	1/Discharge	40.1 ± 141	252	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	0.000 ± 4.97	12.1	U*
Uranium	pCi/L	20	1/Discharge	0.338 ± 0.220	0.196	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	34.5 ± 89.7	156	U*

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/7/2023 08:30 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.17 ± 1.09	1.68	U*
Gross Beta	pCi/L	50	1/Discharge	1.35 ± 0.719	1.04	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.15 ± 0.596	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	-0.564 ± 0.292	0.689	U*
Tritium	pCi/L	20,000	1/Discharge	-94.1 ± 125	253	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	3.02 ± 5.96	7.72	U*
Uranium	pCi/L	20	1/Discharge	0.344 ± 0.243	0.246	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-227 ± 103	288	U*

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/11/2023 09:00 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.07 ± 1.14	1.82	U*
Gross Beta	pCi/L	50	1/Discharge	2.07 ± 0.738	0.933	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.4 ± 0.637	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	0.537 ± 0.412	0.638	U*
Tritium	pCi/L	20,000	1/Discharge	82.9 ± 141	240	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	2.84 ± 8.90	11.4	U*
Uranium	pCi/L	20	1/Discharge	0.240 ± 0.289	0.403	U*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-192 ± 98.8	254	U*

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/21/2023 08:50 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.15 ± 0.955	1.39	U*
Gross Beta	pCi/L	50	1/Discharge	1.82 ± 0.687	0.872	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.31 ± 0.628	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	1.19 ± 0.823	1.28	U*
Tritium	pCi/L	20,000	1/Discharge	-214 ± 199	402	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	0.725 ± 5.98	7.58	U*
Uranium	pCi/L	20	1/Discharge	0.401 ± 0.206	0.167	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-38.9 ± 72.5	112	U*

OUTFALL 008  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/30/2023 07:35 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.64 ± 1.23	1.78	U*
Gross Beta	pCi/L	50	1/Discharge	1.88 ± 0.694	0.861	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.79 ± 0.524	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	0.126 ± 0.349	0.607	U*
Tritium	pCi/L	20,000	1/Discharge	-172 ± 210	418	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	4.73 ± 8.87	10.7	U*
Uranium	pCi/L	20	1/Discharge	0.512 ± 0.340	0.295	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-118 ± 136	196	U*

**OUTFALL 008  
DISCHARGE MONITORING MASS SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/5/2023 08:50 - 1/6/2023 09:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.342	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(0.24) 0.19	1/Discharge	Composite	ND	U
Copper	LBS/DAY	0.84	1/Discharge	Composite	0.0080	--
Cyanide	LBS/DAY	0.57	1/Discharge	Composite	ND	U
Lead	LBS/DAY	0.31	1/Discharge	Composite	0.0023	J (DNQ)
Mercury	LBS/DAY	0.008	1/Discharge	Composite	0.00046	J (DNQ)
Nickel	LBS/DAY	5.2	1/Discharge	Composite	0.0060	--
Selenium	LBS/DAY	0.3	1/Discharge	Composite	ND	U
TCDD TEQ NoDNQ <sup>(4)</sup>	LBS/DAY	1.7E-09	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	0.12	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	7.22	1/Discharge	Composite	0.024	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	607.3	1/Discharge	Composite	0.12	J (DNQ)
Boron	LBS/DAY	60	1/Year	Composite	0.24	J (DNQ)
Chloride	LBS/DAY	9,020	1/Discharge	Composite	11	J (DNQ)
Fluoride	LBS/DAY	96.2	1/Year	Composite	ND	U
Nitrate - N	LBS/DAY	481	1/Discharge	Composite	5.1	
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481	1/Discharge	Composite	5.1	--
Nitrite - N	LBS/DAY	60	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	0.36	1/Discharge	Composite	0.0037	J (DNQ)
Sulfate	LBS/DAY	18,039	1/Discharge	Composite	9.4	J (DNQ)
Total Dissolved Solids	LBS/DAY	57,124	1/Discharge	Composite	310	--

OUTFALL 008  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/9/2023 10:30 - 1/11/2023 10:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	2.40	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902	1/Discharge	Grab	64	--
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36	1/Discharge	Composite	0.014	J (DNQ)
Cadmium	LBS/DAY	(0.24) 0.19	1/Discharge	Composite	ND	U
Copper	LBS/DAY	0.84	1/Discharge	Composite	0.088	--
Cyanide	LBS/DAY	0.57	1/Discharge	Composite	ND	U
Lead	LBS/DAY	0.31	1/Discharge	Composite	0.014	J (DNQ)
Mercury	LBS/DAY	0.008	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	5.2	1/Discharge	Composite	0.036	J (DNQ)
Selenium	LBS/DAY	0.3	1/Discharge	Composite	ND	U
TCDD TEQ NoDNQ <sup>(4)</sup>	LBS/DAY	1.7E-09	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	0.12	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	7.22	1/Discharge	Composite	0.19	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	607.3	1/Discharge	Composite	ND	U
Boron	LBS/DAY	60	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	9,020	1/Discharge	Composite	52	--
Fluoride	LBS/DAY	96.2	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	481	1/Discharge	Composite	24	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481	1/Discharge	Composite	26	--
Nitrite - N	LBS/DAY	60	1/Discharge	Composite	1.8	J (DNQ)
Perchlorate	LBS/DAY	0.36	1/Discharge	Composite	0.022	J (DNQ)
Sulfate	LBS/DAY	18,039	1/Discharge	Composite	58	--
Total Dissolved Solids	LBS/DAY	57,124	1/Discharge	Composite	2,800	--



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DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

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ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/14/2023 11:55 - 1/15/2023 10:10		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	7.21	1/Discharge	Meas	0.491	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(0.24) 0.19	1/Discharge	Composite	ND	U
Copper	LBS/DAY	0.84	1/Discharge	Composite	0.0078	J (DNQ)
Cyanide	LBS/DAY	0.57	1/Discharge	Composite	ND	U
Lead	LBS/DAY	0.31	1/Discharge	Composite	0.0017	J (DNQ)
Mercury	LBS/DAY	0.008	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	5.2	1/Discharge	Composite	0.0061	J (DNQ)
Selenium	LBS/DAY	0.3	1/Discharge	Composite	ND	U
TCDD TEQ NoDNQ <sup>(4)</sup>	LBS/DAY	1.7E-09	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	0.12	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	7.22	1/Discharge	Composite	0.020	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	607.3	1/Discharge	Composite	ND	U
Boron	LBS/DAY	60	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	9,020	1/Discharge	Composite	18	J (DNQ)
Fluoride	LBS/DAY	96.2	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	481	1/Discharge	Composite	5.7	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481	1/Discharge	Composite	5.7	--
Nitrite - N	LBS/DAY	60	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	0.36	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	18,039	1/Discharge	Composite	18	J (DNQ)
Total Dissolved Solids	LBS/DAY	57,124	1/Discharge	Composite	570	--

OUTFALL 008  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 10:50 - 1/21/2023 08:55		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.0920	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36	1/Discharge	Composite	0.00061	J (DNQ)
Cadmium	LBS/DAY	(0.24) 0.19	1/Discharge	Composite	ND	U
Copper	LBS/DAY	0.84	1/Discharge	Composite	0.0011	J (DNQ)
Cyanide	LBS/DAY	0.57	1/Discharge	Composite	ND	U
Lead	LBS/DAY	0.31	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.008	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	5.2	1/Discharge	Composite	0.0011	J (DNQ)
Selenium	LBS/DAY	0.3	1/Discharge	Composite	ND	U
TCDD TEQ NoDNQ <sup>(4)</sup>	LBS/DAY	1.7E-09	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	0.12	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	7.22	1/Discharge	Composite	ND	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	607.3	1/Discharge	Composite	ND	U
Boron	LBS/DAY	60	1/Year	ANR		
Chloride	LBS/DAY	9,020	1/Discharge	Composite	4.4	--
Fluoride	LBS/DAY	96.2	1/Year	ANR		
Nitrate - N	LBS/DAY	481	1/Discharge	Composite	1.2	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481	1/Discharge	Composite	1.2	--
Nitrite - N	LBS/DAY	60	1/Discharge	Composite	0.092	--
Perchlorate	LBS/DAY	0.36	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	18,039	1/Discharge	Composite	5.1	--
Total Dissolved Solids	LBS/DAY	57,124	1/Discharge	Composite	120	--

OUTFALL 008  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/25/2023 08:20 - 2/25/2023 08:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	7.21 <sup>(v)</sup>	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36	1/Discharge	Composite	0.11	J (DNQ*)
Cadmium	LBS/DAY	(0.24) 0.19	1/Discharge	Composite	0.0084 <sup>(b)</sup>	J (DNQ*)
Copper	LBS/DAY	0.84	1/Discharge	Composite	0.21	*
Cyanide	LBS/DAY	0.57	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	0.31	1/Discharge	Composite	0.084	*
Mercury	LBS/DAY	0.008	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	5.2	1/Discharge	Composite	0.13	*
Selenium	LBS/DAY	0.3	1/Discharge	Composite	ND	U*
TCDD TEQ NoDNQ <sup>(4)</sup>	LBS/DAY	1.7E-09	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	0.12	1/Discharge	Composite	0.0072	J (DNQ*)
Zinc	LBS/DAY	7.22	1/Discharge	Composite	0.51	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	607.3	1/Discharge	Composite	ND	U*
Boron	LBS/DAY	60	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	9,020	1/Discharge	Composite	170	*
Fluoride	LBS/DAY	96.2	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	481	1/Discharge	Composite	28	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481	1/Discharge	Composite	34	*
Nitrite - N	LBS/DAY	60	1/Discharge	Composite	5.5	J (DNQ*)
Perchlorate	LBS/DAY	0.36	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	18,039	1/Discharge	Composite	190	*
Total Dissolved Solids	LBS/DAY	57,124	1/Discharge	Composite	6,600	*

OUTFALL 008  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/5/2023 07:05 - 3/6/2023 07:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.0959 <sup>(w)</sup>	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36	1/Discharge	Composite	0.0020	--
Cadmium	LBS/DAY	(0.24) 0.19	1/Discharge	Composite	0.00010 <sup>(a)</sup>	J (DNQ)
Copper	LBS/DAY	0.84	1/Discharge	Composite	0.00088	J (DNQ)
Cyanide	LBS/DAY	0.57	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	0.31	1/Discharge	Composite	0.00017	J (DNQ)
Mercury	LBS/DAY	0.008	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	5.2	1/Discharge	Composite	0.00080	J (DNQ)
Selenium	LBS/DAY	0.3	1/Discharge	Composite	ND	U
TCDD TEQ NoDNQ <sup>(4)</sup>	LBS/DAY	1.7E-09	1/Discharge	Composite	1.9E-13	*
Thallium	LBS/DAY	0.12	1/Discharge	Composite	0.00011	J (DNQ)
Zinc	LBS/DAY	7.22	1/Discharge	Composite	ND	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	607.3	1/Discharge	Composite	ND	U*
Boron	LBS/DAY	60	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	9,020	1/Discharge	Composite	4.1	*
Fluoride	LBS/DAY	96.2	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	481	1/Discharge	Composite	0.11	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481	1/Discharge	Composite	0.23	*
Nitrite - N	LBS/DAY	60	1/Discharge	Composite	0.12	*
Perchlorate	LBS/DAY	0.36	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	18,039	1/Discharge	Composite	4.7	*
Total Dissolved Solids	LBS/DAY	57,124	1/Discharge	Composite	130	*

OUTFALL 008  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/6/2023 07:20 - 3/7/2023 08:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.0959	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36	1/Discharge	Composite	0.00066	J (DNQ*)
Cadmium	LBS/DAY	(0.24) 0.19	1/Discharge	Composite	ND	U*
Copper	LBS/DAY	0.84	1/Discharge	Composite	0.00096	J (DNQ*)
Cyanide	LBS/DAY	0.57	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	0.31	1/Discharge	Composite	ND	U*
Mercury	LBS/DAY	0.008	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	5.2	1/Discharge	Composite	0.00096	J (DNQ*)
Selenium	LBS/DAY	0.3	1/Discharge	Composite	ND	U*
TCDD TEQ NoDNQ <sup>(4)</sup>	LBS/DAY	1.7E-09	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	0.12	1/Discharge	Composite	ND	U*
Zinc	LBS/DAY	7.22	1/Discharge	Composite	ND	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	607.3	1/Discharge	Composite	ND	U*
Boron	LBS/DAY	60	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	9,020	1/Discharge	Composite	4.3	*
Fluoride	LBS/DAY	96.2	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	481	1/Discharge	Composite	0.096	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481	1/Discharge	Composite	0.096	*
Nitrite - N	LBS/DAY	60	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	0.36	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	18,039	1/Discharge	Composite	4.7	*
Total Dissolved Solids	LBS/DAY	57,124	1/Discharge	Composite	110	*

OUTFALL 008  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/10/2023 09:40 - 3/11/2023 09:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.433	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902	1/Discharge	Grab	ND	U*
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36	1/Discharge	Composite	0.0050	J (DNQ*)
Cadmium	LBS/DAY	(0.24) 0.19	1/Discharge	Composite	ND	U*
Copper	LBS/DAY	0.84	1/Discharge	Composite	0.0072	*
Cyanide	LBS/DAY	0.57	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	0.31	1/Discharge	Composite	0.0026	J (DNQ*)
Mercury	LBS/DAY	0.008	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	5.2	1/Discharge	Composite	0.0061	J (DNQ*)
Selenium	LBS/DAY	0.3	1/Discharge	Composite	ND	U*
TCDD TEQ NoDNQ <sup>(4)</sup>	LBS/DAY	1.7E-09	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	0.12	1/Discharge	Composite	ND	U*
Zinc	LBS/DAY	7.22	1/Discharge	Composite	0.022	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	607.3	1/Discharge	Composite	ND	U*
Boron	LBS/DAY	60	1/Year	ANR		
Chloride	LBS/DAY	9,020	1/Discharge	Composite	15	*
Fluoride	LBS/DAY	96.2	1/Year	ANR		
Nitrate - N	LBS/DAY	481	1/Discharge	Composite	1.0	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481	1/Discharge	Composite	1.0	*
Nitrite - N	LBS/DAY	60	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	0.36	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	18,039	1/Discharge	Composite	18	*
Total Dissolved Solids	LBS/DAY	57,124	1/Discharge	Composite	580	*

OUTFALL 008  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

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ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 08:55 - 3/21/2023 08:50		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.170	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902	1/Discharge	Grab	ND	U*
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36	1/Discharge	Composite	0.00082	J (DNQ*)
Cadmium	LBS/DAY	(0.24) 0.19	1/Discharge	Composite	ND	U*
Copper	LBS/DAY	0.84	1/Discharge	Composite	0.0018	J (DNQ*)
Cyanide	LBS/DAY	0.57	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	0.31	1/Discharge	Composite	ND	U*
Mercury	LBS/DAY	0.008	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	5.2	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	0.3	1/Discharge	Composite	ND	U*
TCDD TEQ NoDNQ <sup>(4)</sup>	LBS/DAY	1.7E-09	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	0.12	1/Discharge	Composite	ND	U*
Zinc	LBS/DAY	7.22	1/Discharge	Composite	0.0050	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	607.3	1/Discharge	Composite	ND	U*
Boron	LBS/DAY	60	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	9,020	1/Discharge	Composite	7.2	*
Fluoride	LBS/DAY	96.2	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	481	1/Discharge	Composite	0.17	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481	1/Discharge	Composite	0.17	*
Nitrite - N	LBS/DAY	60	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	0.36	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	18,039	1/Discharge	Composite	7.2	*
Total Dissolved Solids	LBS/DAY	57,124	1/Discharge	Composite	230	*

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DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/29/2023 10:45 - 3/30/2023 07:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	7.21	1/Discharge	Meas	0.279	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	902	1/Discharge	Grab	ND	U*
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	0.36	1/Discharge	Composite	0.0017	J (DNQ*)
Cadmium	LBS/DAY	(0.24) 0.19	1/Discharge	Composite	ND	U*
Copper	LBS/DAY	0.84	1/Discharge	Composite	0.0035	J (DNQ*)
Cyanide	LBS/DAY	0.57	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	0.31	1/Discharge	Composite	0.0010	J (DNQ*)
Mercury	LBS/DAY	0.008	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	5.2	1/Discharge	Composite	0.0035	J (DNQ*)
Selenium	LBS/DAY	0.3	1/Discharge	Composite	ND	U*
TCDD TEQ NoDNQ <sup>(4)</sup>	LBS/DAY	1.7E-09	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	0.12	1/Discharge	Composite	ND	U*
Zinc	LBS/DAY	7.22	1/Discharge	Composite	0.0093	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	607.3	1/Discharge	Composite	ND	U*
Boron	LBS/DAY	60	1/Year	ANR		
Chloride	LBS/DAY	9,020	1/Discharge	Composite	11	*
Fluoride	LBS/DAY	96.2	1/Year	ANR		
Nitrate - N	LBS/DAY	481	1/Discharge	Composite	0.54	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	481	1/Discharge	Composite	0.54	*
Nitrite - N	LBS/DAY	60	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	0.36	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	18,039	1/Discharge	Composite	10	*
Total Dissolved Solids	LBS/DAY	57,124	1/Discharge	Composite	400	*



**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/1/2023 10:05 - 1/2/2023 08:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	0.8434	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.58	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.35	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0	1/Discharge	Composite	0.65	J (DNQ)
Cadmium	µg/L	4.0	1/Discharge	Composite	ND < 0.13	U
Copper	µg/L	13	1/Discharge	Composite	4.1	--
Cyanide	µg/L	9.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	2.2	--
Mercury	µg/L	0.13	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	86	1/Discharge	Composite	2.5	--
Thallium	µg/L	2.0	1/Discharge	Composite	ND < 0.11	U
Zinc	µg/L	120	1/Discharge	Composite	14	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0	1/Year	Composite	0.042	J (DNQ)
Chloride	mg/L	150	1/Discharge	Composite	3.5	J (DNQ)
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass, -1.00	--
Fluoride	mg/L	1.6	1/Year	Composite	ND < 0.23	U
Nitrate + Nitrite as Nitrogen (N)	mg/L	10	1/Discharge	Composite	1.2	--
Perchlorate	µg/L	6.0	1/Semiannual	Composite	ND < 0.91	U
Sulfate	mg/L	250	1/Discharge	Composite	3.1	J (DNQ)
Temperature (Field)	Deg F	86	1/Discharge	Grab	50.4	*
Total Dissolved Solids	mg/L	850	1/Discharge	Composite	86	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Year	Grab	ND < 0.25	U
1,1,2,2-Tetrachloroethane	µg/L	-	1/Year	Grab	ND < 0.20	U
1,1,2-Trichloroethane	µg/L	-	1/Year	Grab	ND < 0.17	U
1,1-Dichloroethane	µg/L	-	1/Year	Grab	ND < 0.39	U
1,1-Dichloroethene	µg/L	-	1/Year	Grab	ND < 0.33	U
1,2,4-Trichlorobenzene	µg/L	-	1/Year	Composite	ND < 0.13	U
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Year	Grab	ND < 0.16	U
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.12	U
1,2-Dichloroethane	µg/L	-	1/Year	Grab	ND < 0.15	U
1,2-Dichloropropane	µg/L	-	1/Year	Grab	ND < 0.17	U
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	Composite	ND < 0.093	U
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Year	Grab	ND < 0.16	U
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.12	U
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Year	Grab	ND < 0.11	U
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.14	U
2,4,6-Trichlorophenol	µg/L	-	1/Year	Composite	ND < 0.14	U
2,4-Dichlorophenol	µg/L	-	1/Year	Composite	ND < 0.14	U
2,4-Dimethylphenol	µg/L	-	1/Year	Composite	ND < 0.13	U
2,4-Dinitrophenol	µg/L	-	1/Year	Composite	ND < 4.4	U
2,4-Dinitrotoluene	µg/L	-	1/Year	Composite	ND < 0.12	U
2,6-Dinitrotoluene	µg/L	-	1/Year	Composite	ND < 0.18	U
2-Chloroethyl vinyl ether <sup>(9)</sup>	µg/L	-	1/Year	Grab	ND < 1.1	U
2-Chloroethyl vinyl ether <sup>(9)</sup>	µg/L	-	1/Year	Grab	ND < 0.19	U
2-Chloronaphthalene	µg/L	-	1/Year	Composite	ND < 0.15	U
2-Chlorophenol	µg/L	-	1/Year	Composite	ND < 0.098	U
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	Composite	ND < 4.6	U
2-Nitrophenol	µg/L	-	1/Year	Composite	ND < 3.6	U
3,3'-Dichlorobenzidine	µg/L	-	1/Year	Composite	ND < 3.1	U
4,4'-DDD	µg/L	-	1/Year	Composite	ND < 0.0044	U
4,4'-DDE	µg/L	-	1/Year	Composite	ND < 0.0019	U
4,4'-DDT	µg/L	-	1/Year	Composite	ND < 0.0016	U

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/1/2023 10:05 - 1/2/2023 08:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Bromophenyl phenyl ether	µg/L	-	1/Year	Composite	ND < 0.10	U
4-Chloro-3-methylphenol	µg/L	-	1/Year	Composite	ND < 0.13	U
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	Composite	ND < 0.17	U
4-Nitrophenol	µg/L	-	1/Year	Composite	ND < 3.4	U
Acenaphthene	µg/L	-	1/Year	Composite	ND < 0.10	U
Acenaphthylene	µg/L	-	1/Year	Composite	ND < 0.13	U
Acrolein	µg/L	-	1/Year	Grab	ND < 4.6	U
Acrylonitrile	µg/L	-	1/Year	Grab	ND < 1.4	U
Aldrin	µg/L	-	1/Year	Composite	ND < 0.0031	U
alpha-BHC	µg/L	-	1/Year	Composite	ND < 0.0012	U
alpha-Endosulfan	µg/L	-	1/Year	Composite	ND < 0.0013	U
Anthracene	µg/L	-	1/Year	Composite	ND < 0.086	U
Aroclor 1016	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1221	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1232	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1242	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1248	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1254	µg/L	-	1/Year	Composite	ND < 0.052	U
Aroclor 1260	µg/L	-	1/Year	Composite	ND < 0.052	U
Arsenic	µg/L	-	1/Year	Composite	1.1	--
Asbestos, >=0.5 um	MFL	-	1/Year	Composite	ND < 1.00	U*
Asbestos, > 10 um only	MFL	-	1/Year	Composite	ND < 1.00	U*
Benzene	µg/L	-	1/Year	Grab	ND < 0.28	U
Benzydine	µg/L	-	1/Year	Composite	ND < 2.8	U
Benzo(a)anthracene	µg/L	-	1/Year	Composite	ND < 0.13	U
Benzo(a)pyrene	µg/L	-	1/Year	Composite	ND < 0.16	U
Benzo(b)fluoranthene	µg/L	-	1/Year	Composite	0.16	J (DNQ)
Benzo(g,h,i)perylene	µg/L	-	1/Year	Composite	ND < 0.11	U
Benzo(k)fluoranthene	µg/L	-	1/Year	Composite	ND < 0.12	U
Beryllium	µg/L	-	1/Year	Composite	ND < 0.26	U
beta-BHC	µg/L	-	1/Year	Composite	ND < 0.0039	U
beta-Endosulfan	µg/L	-	1/Year	Composite	ND < 0.0041	U
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	Composite	ND < 0.11	U
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	Composite	ND < 0.11	U
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	Composite	ND < 0.13	U
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/Year	Composite	ND < 3.7	U
Bromoform	µg/L	-	1/Year	Grab	ND < 0.25	U
Bromomethane (Methyl Bromide)	µg/L	-	1/Year	Grab	ND < 0.22	U
Butyl benzylphthalate	µg/L	-	1/Year	Composite	ND < 0.69	U
Carbon tetrachloride	µg/L	-	1/Year	Grab	ND < 0.28	U
Chlordane	µg/L	-	1/Year	Composite	ND < 0.026	U
Chlorobenzene	µg/L	-	1/Year	Grab	ND < 0.19	U
Chlorodibromomethane	µg/L	-	1/Year	Grab	ND < 0.15	U
Chloroethane	µg/L	-	1/Year	Grab	ND < 0.29	U
Chloroform	µg/L	-	1/Year	Grab	ND < 0.19	U
Chloromethane (Methyl Chloride)	µg/L	-	1/Year	Grab	ND < 0.30	U
Chromium	µg/L	-	1/Year	Composite	1.7	J (DNQ)
Chromium III (Trivalent)	µg/L	-	1/Year	Composite	ND < 3.0	U
Chromium VI (Hexavalent)	µg/L	-	1/Year	Composite	0.073	J (DNQ)
Chrysene	µg/L	-	1/Year	Composite	ND < 0.11	U
cis-1,3-Dichloropropene	µg/L	-	1/Year	Grab	ND < 0.30	U
delta-BHC	µg/L	-	1/Year	Composite	ND < 0.0020	U
Dibenzo(a,h)anthracene	µg/L	-	1/Year	Composite	ND < 0.16	U
Dichlorobromomethane	µg/L	-	1/Year	Grab	ND < 0.19	U
Dieldrin	µg/L	-	1/Year	Composite	ND < 0.0013	U
Diethyl phthalate	µg/L	-	1/Year	Composite	ND < 0.18	U
Dimethyl phthalate	µg/L	-	1/Year	Composite	0.16	J (DNQ)

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/1/2023 10:05 - 1/2/2023 08:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-butyl phthalate	µg/L	-	1/Year	Composite	ND < 1.9	U
Di-n-octyl phthalate	µg/L	-	1/Year	Composite	ND < 0.55	U
Endosulfan sulfate	µg/L	-	1/Year	Composite	ND < 0.0014	U
Endrin	µg/L	-	1/Year	Composite	ND < 0.0023	U
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	Composite	ND < 0.0038	U*
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	Composite	ND < 0.024	U[A]
Ethylbenzene	µg/L	-	1/Year	Grab	ND < 0.25	U
Fluoranthene	µg/L	-	1/Year	Composite	ND < 0.10	U
Fluorene	µg/L	-	1/Year	Composite	ND < 0.097	U
gamma-BHC (Lindane)	µg/L	-	1/Year	Composite	ND < 0.00066	U
Heptachlor	µg/L	-	1/Year	Composite	ND < 0.0012	U
Heptachlor epoxide	µg/L	-	1/Year	Composite	ND < 0.0039	U
Hexachlorobenzene	µg/L	-	1/Year	Composite	ND < 0.14	U
Hexachlorobutadiene	µg/L	-	1/Year	Composite	ND < 0.16	U
Hexachlorocyclopentadiene	µg/L	-	1/Year	Composite	ND < 0.16	U
Hexachloroethane	µg/L	-	1/Year	Composite	ND < 0.13	U
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	Composite	ND < 0.13	U
Isophorone	µg/L	-	1/Year	Composite	ND < 0.10	U
m,p-Xylenes	µg/L	-	1/Year	Grab	ND < 0.17	U
Methylene chloride	µg/L	-	1/Year	Grab	ND < 0.57	U
Naphthalene (VOC)	µg/L	-	1/Year	Grab	ND < 0.33	U
Naphthalene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.11	U
Nitrobenzene	µg/L	-	1/Year	Composite	ND < 0.15	U
N-Nitrosodimethylamine	µg/L	-	1/Year	Composite	ND < 0.19	U
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	Composite	ND < 0.15	U
N-Nitrosodiphenylamine	µg/L	-	1/Year	Composite	ND < 0.11	U
o-Xylene	µg/L	-	1/Year	Grab	ND < 0.15	U
Pentachlorophenol	µg/L	-	1/Year	Composite	ND < 0.86	U
Phenanthrene	µg/L	-	1/Year	Composite	ND < 0.17	U
Phenol	µg/L	-	1/Year	Composite	ND < 0.54	U
Pyrene	µg/L	-	1/Year	Composite	ND < 0.088	U
Tetrachloroethene	µg/L	-	1/Year	Grab	ND < 0.21	U
Toluene	µg/L	-	1/Year	Grab	ND < 0.23	U
Toxaphene	µg/L	-	1/Year	Composite	ND < 0.054	U
trans-1,2-Dichloroethene	µg/L	-	1/Year	Grab	ND < 0.24	U
trans-1,3-Dichloropropene	µg/L	-	1/Year	Grab	ND < 0.18	U
Trichloroethene	µg/L	-	1/Year	Grab	ND < 0.17	U
Trichlorofluoromethane	µg/L	-	1/Year	Grab	ND < 0.29	U
Vinyl chloride	µg/L	-	1/Year	Grab	ND < 0.47	U
Xylenes (Total)	µg/L	-	1/Year	Grab	ND < 0.17	U

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

				1/1/2023 10:05 - 1/2/2023 08:00		
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-	1/Year	Composite	500	--
Chlorpyrifos	µg/L	-	1/Year	Composite	ND < 0.0013	U
Diazinon	µg/L	-	1/Year	Composite	ND < 0.0010	UJ (H)
E. Coli	mpn/100mL	-	1/Year	Grab	250	J (H)
Hardness (as CaCO3)	mg/L	-	1/Year	Composite	23	--
Iron	mg/L	-	1/Year	Composite	0.910	--
Selenium	µg/L	-	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	-	1/Discharge	Composite	0.34	J (DNQ)
Total Suspended Solids	mg/L	-	1/Year	Composite	18	--
Vanadium	µg/L	-	1/Year	Composite	2.3	--
<b>ADDITIONAL POLLUTANTS<sup>(2)(P)</sup></b>						
Aluminum, dissolved	µg/L	-	Additional/Year	Composite	110	--
Antimony, dissolved	µg/L	-	Additional/Discharge	Composite	1	J (DNQ)
Arsenic, dissolved	µg/L	-	Additional/Year	Composite	0.92	J (DNQ)
Beryllium, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.26	U
Boron, dissolved	mg/L	-	Additional/Year	Composite	0.039	J (DNQ)
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	Composite	0.54	J (DNQ)
cis-1,2-Dichloroethene	µg/L	-	Additional/Year	Grab	ND < 0.21	U
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	3.2	--
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	Composite	20	--
Human Bacteroides	CEs/100mL	-	Additional/Year	Grab	125	J (DNQ*)
Iron, dissolved	mg/L	-	Additional/Year	Composite	0.099	--
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.37	J (DNQ)
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Discharge	Composite	1.5	J (DNQ)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.0	U (B)
Silver, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.23	U
Thallium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.11	U
Vanadium, dissolved	µg/L	-	Additional/Year	Composite	1.2	J (DNQ)
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	6.5	J (DNQ)

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/9/2023 09:00 - 1/10/2023 09:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	18.17	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.49	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.21	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0	1/Discharge	Composite	0.85	J (DNQ)
Cadmium	µg/L	4.0	1/Discharge	Composite	ND < 0.13	U
Copper	µg/L	13	1/Discharge	Composite	4.4	--
Cyanide	µg/L	9.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	1.2	--
Mercury	µg/L	0.13	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	86	1/Discharge	Composite	1.6	J (DNQ)
Thallium	µg/L	2.0	1/Discharge	Composite	ND < 0.11	U
Zinc	µg/L	120	1/Discharge	Composite	9.3	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	2.9	--
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass, 3.59	--
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10	1/Discharge	Composite	1.2	--
Perchlorate	µg/L	6.0	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250	1/Discharge	Composite	3.0	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	50.1	*
Total Dissolved Solids	mg/L	850	1/Discharge	Composite	74	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/9/2023 09:00 - 1/10/2023 09:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-	1/Year	ANR	ANR	ANR
Asbestos, >=0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, > 10 um only	MFL	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Year	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/9/2023 09:00 - 1/10/2023 09:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	Composite <sup>(p)</sup>	ND < 0.0019	U*
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/9/2023 09:00 - 1/10/2023 09:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	-	1/Discharge	Composite	ND < 0.23	U
Total Suspended Solids	mg/L	-	1/Year	Composite	5.2	--
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)(P)</sup></b>						
Aluminum, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-	Additional/Discharge	Composite	0.94	J (DNQ)
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	2.4	--
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.30	J (DNQ)
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Discharge	Composite	1.4	J (DNQ)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	0.66	J (DNQ)
Silver, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.23	U
Thallium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.11	U
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 20	U (B)



**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/14/2023 11:10 - 1/15/2023 09:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	4.234	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	0.69	J (DNQ)
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.66	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0	1/Discharge	Composite	1.5	J (DNQ)
Cadmium	µg/L	4.0	1/Discharge	Composite	ND < 0.13	U
Copper	µg/L	13	1/Discharge	Composite	2.5	--
Cyanide	µg/L	9.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	1.5	--
Mercury	µg/L	0.13	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	86	1/Discharge	Composite	1.7	J (DNQ)
Thallium	µg/L	2.0	1/Discharge	Composite	ND < 0.11	U
Zinc	µg/L	120	1/Discharge	Composite	8.3	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	4.0	J (DNQ)
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10	1/Discharge	Composite	0.87	--
Perchlorate	µg/L	6.0	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250	1/Discharge	Composite	3.9	J (DNQ)
Temperature (Field)	Deg F	86	1/Discharge	Grab	50.8	*
Total Dissolved Solids	mg/L	850	1/Discharge	Composite	99	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/14/2023 11:10 - 1/15/2023 09:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-	1/Year	ANR	ANR	ANR
Asbestos, >=0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, > 10 um only	MFL	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Year	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/14/2023 11:10 - 1/15/2023 09:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

				1/14/2023 11:10 - 1/15/2023 09:15		
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	-	1/Discharge	Composite	ND < 0.23	U
Total Suspended Solids	mg/L	-	1/Year	Composite	6.2	--
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)(P)</sup></b>						
Aluminum, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-	Additional/Discharge	Composite	1.4	J (DNQ)
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	3.1	--
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.46	J (DNQ)
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Discharge	Composite	1.4	J (DNQ)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.23	U
Thallium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.11	U
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	6.3	J (DNQ)

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 10:00 - 1/21/2023 8:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	0.2922	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.07	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0	1/Discharge	Composite	1.8	J (DNQ)
Cadmium	µg/L	4.0	1/Discharge	Composite	ND < 0.13	U
Copper	µg/L	13	1/Discharge	Composite	3.0	--
Cyanide	µg/L	9.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	ND < 1.0	U (B)
Mercury	µg/L	0.13	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	86	1/Discharge	Composite	1.8	J (DNQ)
Thallium	µg/L	2.0	1/Discharge	Composite	ND < 0.11	U
Zinc	µg/L	120	1/Discharge	Composite	3.5	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	5.7	--
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10	1/Discharge	Composite	1.5	--
Perchlorate	µg/L	6.0	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250	1/Discharge	Composite	7.8	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	49.3	*
Total Dissolved Solids	mg/L	850	1/Discharge	Composite	130	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 10:00 - 1/21/2023 8:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-	1/Year	ANR	ANR	ANR
Asbestos, >=0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, > 10 um only	MFL	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Year	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 10:00 - 1/21/2023 8:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 10:00 - 1/21/2023 8:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO <sub>3</sub> )	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	-	1/Discharge	Composite	ND < 0.23	U
Total Suspended Solids	mg/L	-	1/Year	Composite	ND < 0.83	U
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)(P)</sup></b>						
Aluminum, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-	Additional/Discharge	Composite	1.9	J (DNQ)
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	2.8	--
Hardness, dissolved (as CaCO <sub>3</sub> )	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.0	U (B)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.23	U
Thallium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.11	U
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	3.6	J (DNQ)



**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/30/2023 07:05 - 1/31/2023 07:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	0.04269	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.53	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.57	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0	1/Discharge	Composite	0.51	J (DNQ)
Cadmium	µg/L	4.0	1/Discharge	Composite	ND < 0.13	U
Copper	µg/L	13	1/Discharge	Composite	2.5	--
Cyanide	µg/L	9.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	ND < 0.12	U
Mercury	µg/L	0.13	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	86	1/Discharge	Composite	1.6	J (DNQ)
Thallium	µg/L	2.0	1/Discharge	Composite	ND < 0.11	U
Zinc	µg/L	120	1/Discharge	Composite	ND < 2.8	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	8.0	--
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10	1/Discharge	Composite	0.51	--
Perchlorate	µg/L	6.0	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250	1/Discharge	Composite	14	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	42.4	*
Total Dissolved Solids	mg/L	850	1/Discharge	Composite	170	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(9)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(9)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/30/2023 07:05 - 1/31/2023 07:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-	1/Year	ANR	ANR	ANR
Asbestos, >=0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, > 10 um only	MFL	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Year	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/30/2023 07:05 - 1/31/2023 07:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/30/2023 07:05 - 1/31/2023 07:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO <sub>3</sub> )	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	-	1/Discharge	Composite	ND < 0.23	U
Total Suspended Solids	mg/L	-	1/Year	Composite	ND < 0.83	U
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)(P)</sup></b>						
Aluminum, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-	Additional/Discharge	Composite	0.63	J (DNQ)
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	2.3	--
Hardness, dissolved (as CaCO <sub>3</sub> )	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Discharge	Composite	1.5	J (DNQ)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	0.57	J (DNQ)
Silver, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.23	U
Thallium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.11	U
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	3.2	J (DNQ)

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/24/2023 11:10 - 2/25/2023 11:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	21.58	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	0.68	J (DNQ)
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.17	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0	1/Discharge	Composite	1.1	J (DNQ*)
Cadmium	µg/L	4.0	1/Discharge	Composite	ND < 0.13	U*
Copper	µg/L	13	1/Discharge	Composite	3.4	*
Cyanide	µg/L	9.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	3.8	*
Mercury	µg/L	0.13	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	86	1/Discharge	Composite	2.6	*
Thallium	µg/L	2.0	1/Discharge	Composite	ND < 0.11	U*
Zinc	µg/L	120	1/Discharge	Composite	30	*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	1.9	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10	1/Discharge	Composite	0.47	*
Perchlorate	µg/L	6.0	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250	1/Discharge	Composite	1.9	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	43.3	*
Total Dissolved Solids	mg/L	850	1/Discharge	Composite	84	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(9)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(9)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/24/2023 11:10 - 2/25/2023 11:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-	1/Year	ANR	ANR	ANR
Asbestos, >=0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, > 10 um only	MFL	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Year	ANR	ANR	ANR
Benzydine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/24/2023 11:10 - 2/25/2023 11:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

				2/24/2023 11:10 - 2/25/2023 11:45		
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO <sub>3</sub> )	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-	1/Discharge	Composite	ND < 0.52	U*
Silver	µg/L	-	1/Discharge	Composite	0.26	J (DNQ*)
Total Suspended Solids	mg/L	-	1/Year	Composite	29	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)(P)</sup></b>						
Aluminum, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-	Additional/Discharge	Composite	4.5	*
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.8	J (DNQ*)
Hardness, dissolved (as CaCO <sub>3</sub> )	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.44	J (DNQ*)
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Discharge	Composite	1	J (DNQ*)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	0.53	J (DNQ*)
Silver, dissolved	µg/L	-	Additional/Discharge	Composite	0.37	J (DNQ*)
Thallium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.11	U*
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	6.1	J (DNQ*)



**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/4/2023 07:10 - 3/5/2023 07:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	0.3517	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.09	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0	1/Discharge	Composite	1.9	J (DNQ)
Cadmium	µg/L	4.0	1/Discharge	Composite	ND < 0.13	U
Copper	µg/L	13	1/Discharge	Composite	2.4	--
Cyanide	µg/L	9.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	0.17	J (DNQ)
Mercury	µg/L	0.13	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	86	1/Discharge	Composite	1.6	J (DNQ)
Thallium	µg/L	2.0	1/Discharge	Composite	ND < 0.11	U
Zinc	µg/L	120	1/Discharge	Composite	3.1	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	6.8	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10	1/Discharge	Composite	0.79	*
Perchlorate	µg/L	6.0	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250	1/Discharge	Composite	10	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	49.9	*
Total Dissolved Solids	mg/L	850	1/Discharge	Composite	130	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/4/2023 07:10 - 3/5/2023 07:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-	1/Year	ANR	ANR	ANR
Asbestos, >=0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, > 10 um only	MFL	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Year	ANR	ANR	ANR
Benzone	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/4/2023 07:10 - 3/5/2023 07:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

				3/4/2023 07:10 - 3/5/2023 07:30		
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	-	1/Discharge	Composite	0.28	J (DNQ)
Total Suspended Solids	mg/L	-	1/Year	Composite	ND < 0.83	U*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)(P)</sup></b>						
Aluminum, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-	Additional/Discharge	Composite	4.2	J+ (B)
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	2.2	--
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.49	J (DNQ)
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Discharge	Composite	1.5	J (DNQ)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Discharge	Composite	0.43	J (DNQ)
Thallium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.11	U
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	4.4	J (DNQ)

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/6/2023 07:30 - 3/7/2023 10:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	0.2432	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.38	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0	1/Discharge	Composite	1.8	J (DNQ*)
Cadmium	µg/L	4.0	1/Discharge	Composite	ND < 0.13	U*
Copper	µg/L	13	1/Discharge	Composite	2.4	*
Cyanide	µg/L	9.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	0.12	J (DNQ*)
Mercury	µg/L	0.13	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	86	1/Discharge	Composite	1.6	J (DNQ*)
Thallium	µg/L	2.0	1/Discharge	Composite	ND < 0.11	U*
Zinc	µg/L	120	1/Discharge	Composite	ND < 2.8	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	7.3	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10	1/Discharge	Composite	0.52	*
Perchlorate	µg/L	6.0	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250	1/Discharge	Composite	11	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	45.2	*
Total Dissolved Solids	mg/L	850	1/Discharge	Composite	130	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(9)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(9)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/6/2023 07:30 - 3/7/2023 10:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-	1/Year	ANR	ANR	ANR
Asbestos, >=0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, > 10 um only	MFL	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Year	ANR	ANR	ANR
Benzone	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/6/2023 07:30 - 3/7/2023 10:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

				3/6/2023 07:30 - 3/7/2023 10:00		
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-	1/Discharge	Composite	ND < 0.52	1/Discharge U*
Silver	µg/L	-	1/Discharge	Composite	ND < 0.23	U*
Total Suspended Solids	mg/L	-	1/Year	Composite	ND < 0.83	U*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)(P)</sup></b>						
Aluminum, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-	Additional/Discharge	Composite	3.9	*
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	2.2	*
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.16	J (DNQ*)
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Discharge	Composite	1.4	J (DNQ*)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	0.85	J (DNQ*)
Silver, dissolved	µg/L	-	Additional/Discharge	Composite	0.39	J (DNQ*)
Thallium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.11	U*
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.8	U*



**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/10/2023 08:40 <sup>(u)</sup> - 3/11/2023 07:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	3.409	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	0.79	J (DNQ*)
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	6.98	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0	1/Discharge	Composite	2.1	*
Cadmium	µg/L	4.0	1/Discharge	Composite	ND < 0.13	U*
Copper	µg/L	13	1/Discharge	Composite	2.8	*
Cyanide	µg/L	9.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	2.6	*
Mercury	µg/L	0.13	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	86	1/Discharge	Composite	2.2	*
Thallium	µg/L	2.0	1/Discharge	Composite	ND < 0.11	U*
Zinc	µg/L	120	1/Discharge	Composite	10	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	3.3	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10	1/Discharge	Composite	0.23	*
Perchlorate	µg/L	6.0	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250	1/Discharge	Composite	4.5	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	48.1	*
Total Dissolved Solids	mg/L	850	1/Discharge	Composite	62	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/10/2023 08:40 <sup>(u)</sup> - 3/11/2023 07:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-	1/Year	ANR	ANR	ANR
Asbestos, >=0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, > 10 um only	MFL	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Year	ANR	ANR	ANR
Benidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/10/2023 08:40 <sup>(u)</sup> - 3/11/2023 07:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/10/2023 08:40 <sup>(u)</sup> - 3/11/2023 07:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO <sub>3</sub> )	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-	1/Discharge	Composite	ND < 0.52	U*
Silver	µg/L	-	1/Discharge	Composite	ND < 0.23	U*
Total Suspended Solids	mg/L	-	1/Year	Composite	11	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS <sup>(2)(P)</sup></b>						
Aluminum, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-	Additional/Discharge	Composite	1.9	J (DNQ*)
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.9	J (DNQ*)
Hardness, dissolved (as CaCO <sub>3</sub> )	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.32	J (DNQ*)
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Discharge	Composite	1.2	J (DNQ*)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U*
Silver, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.23	U*
Thallium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.11	U*
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	5.8	J (DNQ*)

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 12:15 - 3/21/2023 11:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	1.714	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	2.6	*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.15	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0	1/Discharge	Composite	1.3	J (DNQ*)
Cadmium	µg/L	4.0	1/Discharge	Composite	ND < 0.13	U*
Copper	µg/L	13	1/Discharge	Composite	2.4	*
Cyanide	µg/L	9.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	0.16	J (DNQ*)
Mercury	µg/L	0.13	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	86	1/Discharge	Composite	0.87	J (DNQ*)
Thallium	µg/L	2.0	1/Discharge	Composite	ND < 0.11	U*
Zinc	µg/L	120	1/Discharge	Composite	3.2	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	7.3	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10	1/Discharge	Composite	0.52	*
Perchlorate	µg/L	6.0	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250	1/Discharge	Composite	14	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	54.8	*
Total Dissolved Solids	mg/L	850	1/Discharge	Composite	150	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 12:15 - 3/21/2023 11:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-	1/Year	ANR	ANR	ANR
Asbestos, >=0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, > 10 um only	MFL	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Year	ANR	ANR	ANR
Benzydine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 12:15 - 3/21/2023 11:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 12:15 - 3/21/2023 11:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO <sub>3</sub> )	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-	1/Discharge	Composite	0.95	J (DNQ*)
Silver	µg/L	-	1/Discharge	Composite	ND < 0.23	U*
Total Suspended Solids	mg/L	-	1/Year	Composite	1.3	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)(P)</sup></b>						
Aluminum, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-	Additional/Discharge	Composite	2.1	*
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	2.3	*
Hardness, dissolved (as CaCO <sub>3</sub> )	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.12	J (DNQ*)
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Discharge	Composite	1.5	J (DNQ*)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U*
Silver, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.23	U*
Thallium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.11	U*
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	2.9	J (DNQ*)



**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/29/2023 09:10 - 3/30/2023 09:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	1.276	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.51	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	6.64	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0	1/Discharge	Composite	1.4	J (DNQ*)
Cadmium	µg/L	4.0	1/Discharge	Composite	0.15	J (DNQ*)
Copper	µg/L	13	1/Discharge	Composite	2.2	*
Cyanide	µg/L	9.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	1.3	*
Mercury	µg/L	0.13	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	86	1/Discharge	Composite	1.8	J (DNQ*)
Thallium	µg/L	2.0	1/Discharge	Composite	0.14	J (DNQ*)
Zinc	µg/L	120	1/Discharge	Composite	7.2	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	4.3	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10	1/Discharge	Composite	0.31	*
Perchlorate	µg/L	6.0	1/Semiannual	ANR	ANR	ANR
Sulfate	mg/L	250	1/Discharge	Composite	6.7	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	50.5	*
Total Dissolved Solids	mg/L	850	1/Discharge	Composite	110	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,1-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
2,4,6-Trichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(9)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(9)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/29/2023 09:10 - 3/30/2023 09:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Year	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Year	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-BHC	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Arsenic	µg/L	-	1/Year	ANR	ANR	ANR
Asbestos, >=0.5 um	MFL	-	1/Year	ANR	ANR	ANR
Asbestos, > 10 um only	MFL	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Year	ANR	ANR	ANR
Benzone	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Beryllium	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Year	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Year	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Year	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Chloroform	µg/L	-	1/Year	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chromium VI (Hexavalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Year	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/29/2023 09:10 - 3/30/2023 09:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Year	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Pentachlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Toluene	µg/L	-	1/Year	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Year	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

				3/29/2023 09:10 - 3/30/2023 09:05		
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-	1/Year	ANR	ANR	ANR
Chlorpyrifos	µg/L	-	1/Year	ANR	ANR	ANR
Diazinon	µg/L	-	1/Year	ANR	ANR	ANR
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Iron	mg/L	-	1/Year	ANR	ANR	ANR
Selenium	µg/L	-	1/Discharge	Composite	0.59	J (DNQ*)
Silver	µg/L	-	1/Discharge	Composite	0.45	J (DNQ*)
Total Suspended Solids	mg/L	-	1/Year	Composite	4.7	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR
<b>ADDITIONAL POLLUTANTS<sup>(2)(P)</sup></b>						
Aluminum, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Antimony, dissolved	µg/L	-	Additional/Discharge	Composite	1.9	J (DNQ*)
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.7	J (DNQ*)
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.36	J (DNQ*)
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Discharge	Composite	1.3	J (DNQ*)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	0.54	J (DNQ*)
Silver, dissolved	µg/L	-	Additional/Discharge	Composite	0.36	J (DNQ*)
Thallium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.11	U*
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	4.0	J (DNQ*)

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309  
January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/2/2023 08:00 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	3.3E-07	3.7E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	2.2E-07	7.7E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	2.3E-07	4.5E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	9.7E-08	1.9E-06	UJ (*III)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	6.9E-08	1.1E-06	J (DNQ)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	1.0E-07	2.0E-06	J (DNQ)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	6.6E-08	7.0E-07	UJ (*III)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	9.1E-08	1.4E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	7.2E-08	4.1E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	9.3E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.6E-07	1.4E-06	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	6.5E-08	3.7E-07	UJ (*III)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.7E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	1.1E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.2E-08	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	8.6E-07	4.0E-04	--	4.0E-10
OCDF	1/Discharge	0.0001	0.02	µg/L	2.9E-07	2.0E-05	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>4.0E-10</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309  
January 1 through March 31, 2023**

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/10/2023 09:30 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.6E-07	7.4E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	1.2E-07	3.6E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.3E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	7.7E-08	1.5E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	6.3E-08	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	9.6E-08	4.0E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	6.5E-08	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	7.8E-08	4.3E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	7.1E-08	ND	U	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	1.1E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	6.3E-08	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	6.2E-08	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	6.8E-08	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	4.4E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	1.0E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	2.4E-07	1.2E-04	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	2.4E-07	6.2E-06	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309  
January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/15/2023 09:15 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	4.4E-07	1.7E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	3.4E-07	3.9E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	3.5E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	1.0E-06	3.4E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	8.5E-07	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	1.0E-06	1.1E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	7.6E-07	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	8.9E-07	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	7.2E-07	ND	U	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.5E-07	2.8E-07	U (B)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.6E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	6.4E-07	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.0E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	2.9E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	4.1E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	1.1E-06	1.7E-04	--	1.70E-10
OCDF	1/Discharge	0.0001	0.02	µg/L	2.3E-07	9.3E-06	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>1.70E-10</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309  
January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/21/2023 08:30 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	2.2E-07	1.7E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	1.5E-07	1.5E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.6E-07	3.0E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	2.0E-07	1.8E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.4E-07	1.0E-06	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.0E-07	5.8E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.2E-07	3.6E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	1.8E-07	2.9E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.2E-07	5.1E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.9E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.5E-07	3.5E-07	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.1E-07	5.7E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.7E-07	4.7E-07	UJ (*III)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	6.3E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.0E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	3.0E-07	7.7E-06	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	2.5E-07	1.5E-06	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08



**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309  
January 1 through March 31, 2023**

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/31/2023 07:30 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.7E-07	1.4E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	2.6E-07	1.4E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	2.9E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	3.1E-07	1.6E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.6E-07	3.5E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	3.0E-07	6.2E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.5E-07	4.6E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.7E-07	2.7E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.5E-07	4.1E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	3.1E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	2.1E-07	6.5E-07	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.3E-07	3.7E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.5E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	4.3E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	1.6E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	4.9E-07	5.6E-06	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	4.2E-07	1.2E-06	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309  
January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	2/25/2023 11:45 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	6.9E-07	3.3E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	4.6E-07	9.2E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	4.8E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	3.8E-07	1.6E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	3.4E-07	5.1E-07	UJ (*III)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	4.0E-07	1.4E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	3.4E-07	5.9E-07	UJ (*III)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	3.5E-07	1.1E-06	UJ (*III)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	3.3E-07	1.1E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	4.7E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	4.0E-07	6.5E-07	UJ (*III)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	3.2E-07	9.7E-07	J (DNQ)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	4.5E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	9.0E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	5.1E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	1.1E-06	2.9E-04	--	2.9E-10
OCDF	1/Discharge	0.0001	0.02	µg/L	4.6E-07	1.8E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	2.9E-10
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

**OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309  
January 1 through March 31, 2023**

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/5/2023 07:30 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	4.6E-07	2.4E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	4.3E-07	1.9E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	4.4E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	4.4E-07	1.6E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	3.5E-07	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	4.3E-07	6.3E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	3.2E-07	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	3.8E-07	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	3.1E-07	5.8E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	4.4E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	2.8E-07	4.6E-07	UJ (*III)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	2.7E-07	4.6E-07	J (DNQ)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	3.4E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	8.2E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.7E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	3.9E-07	1.3E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	5.4E-07	3.3E-06	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309  
January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/7/2023 10:00 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	3.8E-08	1.3E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	8.4E-08	1.2E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	8.7E-08	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	5.0E-08	1.2E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	7.1E-08	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	5.0E-08	5.9E-07	UJ (*III)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	6.7E-08	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	4.5E-08	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	7.2E-08	8.2E-07	J (DNQ)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	6.4E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.8E-08	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	6.5E-08	5.2E-07	UJ (*III)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.1E-08	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	3.8E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	7.1E-09	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	8.7E-08	1.1E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	1.6E-07	ND	U	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309  
January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/11/2023 07:35 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	2.4E-07	2.0E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	7.5E-08	7.0E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	8.4E-08	1.3E-06	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	5.4E-08	ND	U	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	2.9E-08	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	5.1E-08	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	2.9E-08	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	4.8E-08	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	3.0E-08	ND	U	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	4.8E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.6E-08	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	2.7E-08	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.9E-08	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	6.0E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	1.4E-08	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	1.7E-06	2.3E-04	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	1.2E-07	1.6E-05	U (B)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309  
January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/21/2023 11:25 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	5.1E-08	2.8E-06	J (DNQ)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	1.1E-08	3.4E-06	J (DNQ)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.2E-08	5.4E-07	UJ (*III)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	1.4E-08	1.4E-06	UJ (*III)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	3.3E-08	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	1.3E-08	4.3E-07	UJ (*III)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	3.3E-08	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	1.2E-08	6.9E-07	UJ (*III)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	3.7E-08	ND	U	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	1.4E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	7.0E-09	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	3.3E-08	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	8.4E-09	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	1.0E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	5.1E-09	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	6.9E-08	1.5E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	1.4E-08	2.9E-06	UJ (*III)	ND

<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>	<b>ND</b>
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309  
January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/30/2023 09:05 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	3.2E-07	7.7E-06	UJ (BL)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	2.1E-07	3.4E-06	UJ (BL)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	2.3E-07	ND	UJ (L)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	6.5E-08	1.4E-06	UJ (L*III)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	8.3E-08	ND	UJ (L)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	6.9E-08	5.1E-07	UJ (L*III)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	7.9E-08	ND	UJ (L)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	6.1E-08	5.2E-07	UJ (L*III)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	8.1E-08	ND	UJ (L)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	3.6E-08	ND	UJ (L)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	2.1E-08	1.8E-06	UJ (L*III)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	7.5E-08	ND	UJ (L)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.4E-08	ND	UJ (L)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	6.2E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	1.6E-08	ND	UJ (L)	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	1.3E-06	8.5E-05	UJ (BL)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	7.9E-07	9.8E-06	UJ (BL)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/2/2023 08:00 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.65 ± 1.12	1.65	--
Gross Beta	pCi/L	50	1/Discharge	2.97 ± 0.826	0.906	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.887 ± 0.591	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	0.471 ± 0.300	0.457	--
Tritium	pCi/L	20,000	1/Discharge	-3.15 ± 158	292	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-7.57 ± 14.7	18.3	U
Uranium	pCi/L	20	1/Discharge	0.182 ± 0.255	0.395	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-249 ± 154	328	U



OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/10/2023 09:30 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.731 ± 0.819	1.33	U
Gross Beta	pCi/L	50	1/Discharge	1.76 ± 0.733	1.00	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.631 ± 0.368	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	0.406 ± 0.469	0.770	U
Tritium	pCi/L	20,000	1/Discharge	-50.9 ± 164	311	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	0.0802 ± 5.84	7.06	U
Uranium	pCi/L	20	1/Discharge	0.133 ± 0.226	0.326	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-11.4 ± 86.1	89.2	U

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/15/2023 09:15 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.440 ± 0.824	1.42	U
Gross Beta	pCi/L	50	1/Discharge	2.04 ± 0.719	0.921	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.27 ± 0.719	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	0.336 ± 0.336	0.542	U
Tritium	pCi/L	20,000	1/Discharge	541 ± 205	259	--
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	2.99 ± 5.78	7.23	U
Uranium	pCi/L	20	1/Discharge	0.289 ± 0.342	0.475	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	62.5 ± 109	122	U

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/21/2023 08:30 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	-0.193 ± 1.12	2.10	U
Gross Beta	pCi/L	50	1/Discharge	0.984 ± 0.614	0.926	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.822 ± 0.423	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	-0.330 ± 0.323	0.640	U
Tritium	pCi/L	20,000	1/Discharge	92.3 ± 160	268	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	2.46 ± 4.49	5.51	U
Uranium	pCi/L	20	1/Discharge	0.179 ± 0.169	0.204	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	30.0 ± 81.1	105	U

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/31/2023 07:30 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	-0.552 ± 1.95	3.93	U
Gross Beta	pCi/L	50	1/Discharge	1.21 ± 0.947	1.48	U
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.778 ± 0.39	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	1.29 ± 1.27	2.04	U
Tritium	pCi/L	20,000	1/Discharge	0.000 ± 175	322	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	2.98 ± 6.85	7.96	U
Uranium	pCi/L	20	1/Discharge	1.85 ± 0.445	0.203	--
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	147 ± 49.0	26.4	--

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

				2/25/2023 11:45 (Composite)		
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.96 ± 0.973	1.19	*
Gross Beta	pCi/L	50	1/Discharge	2.25 ± 0.754	0.909	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.46 ± 0.989	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	-0.0834 ± 0.353	0.659	U*
Tritium	pCi/L	20,000	1/Discharge	62.6 ± 175	305	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	3.03 ± 11.2	14.1	U*
Uranium	pCi/L	20	1/Discharge	0.193 ± 0.288	0.474	U*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	28.9 ± 122	172	U*

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/5/2023 7:30 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.524 ± 0.999	1.74	U*
Gross Beta	pCi/L	50	1/Discharge	0.913 ± 0.649	0.995	U*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.807 ± 0.531	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	-0.112 ± 0.354	0.669	U*
Tritium	pCi/L	20,000	1/Discharge	72.1 ± 153	271	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	3.02 ± 5.96	7.72	U*
Uranium	pCi/L	20	1/Discharge	0.422 ± 0.275	0.261	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-82.3 ± 120	191	U*

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/7/2023 10:00 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.328 ± 0.991	1.78	U*
Gross Beta	pCi/L	50	1/Discharge	0.858 ± 0.594	0.900	U*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.596 ± 0.305	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	-0.271 ± 0.409	0.791	U*
Tritium	pCi/L	20,000	1/Discharge	-7.66 ± 134	248	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	5.28 ± 13.7	17.2	U*
Uranium	pCi/L	20	1/Discharge	0.342 ± 0.222	0.151	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-62.9 ± 129	173	U*

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

				3/11/2023 07:35 (Composite)		
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.571 ± 0.823	1.39	U*
Gross Beta	pCi/L	50	1/Discharge	0.0464 ± 0.420	0.741	U*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.62 ± 0.416	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	-0.0249 ± 0.331	0.602	U*
Tritium	pCi/L	20,000	1/Discharge	66.7 ± 140	244	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	5.99 ± 11.6	14.5	U*
Uranium	pCi/L	20	1/Discharge	0.299 ± 0.227	0.204	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	0.566 ± 168	237	U*



OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/21/2023 11:25 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.48 ± 0.932	1.20	*
Gross Beta	pCi/L	50	1/Discharge	2.31 ± 0.730	0.842	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.883 ± 0.53	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	0.0861 ± 0.643	1.14	U*
Tritium	pCi/L	20,000	1/Discharge	-202 ± 204	412	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-4.43 ± 9.28	11.0	U*
Uranium	pCi/L	20	1/Discharge	0.639 ± 0.367	0.343	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-61.0 ± 99.9	129	U*

OUTFALL 009  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

				3/30/2023 09:05 (Composite)		
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.899 ± 0.948	1.52	U*
Gross Beta	pCi/L	50	1/Discharge	1.21 ± 0.686	1.00	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.744 ± 0.456	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	-0.0499 ± 0.320	0.600	U*
Tritium	pCi/L	20,000	1/Discharge	-203 ± 171	339	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	1.14 ± 7.09	8.82	U*
Uranium	pCi/L	20	1/Discharge	0.297 ± 0.273	0.305	U*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	15.2 ± 59.9	97.7	U*

OUTFALL 009  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/1/2023 10:05 - 1/2/2023 08:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	0.8434	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22	1/Discharge	Composite	0.0046	J (DNQ)
Cadmium	LBS/DAY	2.15	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7	1/Discharge	Composite	0.029	--
Cyanide	LBS/DAY	5.1	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8	1/Discharge	Composite	0.015	--
Mercury	LBS/DAY	0.07	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14	1/Discharge	Composite	0.018	--
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08	1/Discharge	Composite	2.8E-12	*
Thallium	LBS/DAY	1.1	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	64.4	1/Discharge	Composite	0.098	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537	1/Year	Composite	0.30	J (DNQ)
Chloride	LBS/DAY	80,477	1/Discharge	Composite	25	J (DNQ)
Fluoride	LBS/DAY	858	1/Year	Composite	ND	U
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365	1/Discharge	Composite	8.4	--
Perchlorate	LBS/DAY	3.22	1/Semiannual	Composite	ND	U
Sulfate	LBS/DAY	134,128	1/Discharge	Composite	22	J (DNQ)
Total Dissolved Solids	LBS/DAY	456,034	1/Discharge	Composite	610	--

OUTFALL 009  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/9/2023 09:00 - 1/10/2023 09:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	18.17	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22	1/Discharge	Composite	0.13	J (DNQ)
Cadmium	LBS/DAY	2.15	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7	1/Discharge	Composite	0.67	--
Cyanide	LBS/DAY	5.1	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8	1/Discharge	Composite	0.18	--
Mercury	LBS/DAY	0.07	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14	1/Discharge	Composite	0.24	J (DNQ)
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.1	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	64.4	1/Discharge	Composite	1.4	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	80,477	1/Discharge	Composite	440	--
Fluoride	LBS/DAY	858	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365	1/Discharge	Composite	180	--
Perchlorate	LBS/DAY	3.22	1/Semiannual	ANR	ANR	ANR
Sulfate	LBS/DAY	134,128	1/Discharge	Composite	460	--
Total Dissolved Solids	LBS/DAY	456,034	1/Discharge	Composite	11,000	--

OUTFALL 009  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/14/2023 11:10 - 1/15/2023 09:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	4.234	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048	1/Discharge	Grab	24	J (DNQ)
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22	1/Discharge	Composite	0.053	J (DNQ)
Cadmium	LBS/DAY	2.15	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7	1/Discharge	Composite	0.088	--
Cyanide	LBS/DAY	5.1	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8	1/Discharge	Composite	0.053	--
Mercury	LBS/DAY	0.07	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14	1/Discharge	Composite	0.060	J (DNQ)
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08	1/Discharge	Composite	6.0E-12	*
Thallium	LBS/DAY	1.1	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	64.4	1/Discharge	Composite	0.29	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	80,477	1/Discharge	Composite	140	J (DNQ)
Fluoride	LBS/DAY	858	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365	1/Discharge	Composite	31	--
Perchlorate	LBS/DAY	3.22	1/Semiannual	ANR	ANR	ANR
Sulfate	LBS/DAY	134,128	1/Discharge	Composite	140	J (DNQ)
Total Dissolved Solids	LBS/DAY	456,034	1/Discharge	Composite	3,500	--

**OUTFALL 009  
DISCHARGE MONITORING MASS SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 10:00 - 1/21/2023 08:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	0.2922	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22	1/Discharge	Composite	0.0044	J (DNQ)
Cadmium	LBS/DAY	2.15	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7	1/Discharge	Composite	0.0073	--
Cyanide	LBS/DAY	5.1	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8	1/Discharge	Composite	ND	U (B)
Mercury	LBS/DAY	0.07	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14	1/Discharge	Composite	0.0044	J (DNQ)
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.1	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	64.4	1/Discharge	Composite	0.0085	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	80,477	1/Discharge	Composite	14	--
Fluoride	LBS/DAY	858	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365	1/Discharge	Composite	3.7	--
Perchlorate	LBS/DAY	3.22	1/Semiannual	ANR	ANR	ANR
Sulfate	LBS/DAY	134,128	1/Discharge	Composite	19	--
Total Dissolved Solids	LBS/DAY	456,034	1/Discharge	Composite	320	--

OUTFALL 009  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/30/2023 07:05 - 1/31/2023 07:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	0.04269	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22	1/Discharge	Composite	0.00018	J (DNQ)
Cadmium	LBS/DAY	2.15	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7	1/Discharge	Composite	0.00089	--
Cyanide	LBS/DAY	5.1	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.07	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14	1/Discharge	Composite	0.00057	J (DNQ)
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.1	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	64.4	1/Discharge	Composite	ND	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	80,477	1/Discharge	Composite	2.8	--
Fluoride	LBS/DAY	858	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365	1/Discharge	Composite	0.18	--
Perchlorate	LBS/DAY	3.22	1/Semiannual	ANR	ANR	ANR
Sulfate	LBS/DAY	134,128	1/Discharge	Composite	5	--
Total Dissolved Solids	LBS/DAY	456,034	1/Discharge	Composite	61	--

OUTFALL 009  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/24/2023 11:10 - 2/25/2023 11:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	21.58	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048	1/Discharge	Grab	120	J (DNQ)
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22	1/Discharge	Composite	0.20	J (DNQ*)
Cadmium	LBS/DAY	2.15	1/Discharge	Composite	ND	U*
Copper	LBS/DAY	7	1/Discharge	Composite	0.61	*
Cyanide	LBS/DAY	5.1	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	2.8	1/Discharge	Composite	0.68	*
Mercury	LBS/DAY	0.07	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	46.14	1/Discharge	Composite	0.47	*
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08	1/Discharge	Composite	5.2E-11	*
Thallium	LBS/DAY	1.1	1/Discharge	Composite	ND	U*
Zinc	LBS/DAY	64.4	1/Discharge	Composite	5	*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	80,477	1/Discharge	Composite	340	*
Fluoride	LBS/DAY	858	1/Year	Composite	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365	1/Discharge	Composite	85	*
Perchlorate	LBS/DAY	3.22	1/Semiannual	Composite	ANR	ANR
Sulfate	LBS/DAY	134,128	1/Discharge	Composite	340	*
Total Dissolved Solids	LBS/DAY	456,034	1/Discharge	Composite	15,000	*



OUTFALL 009  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/4/2023 07:10 - 3/5/2023 07:30		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	0.3517	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22	1/Discharge	Composite	0.0056	J (DNQ)
Cadmium	LBS/DAY	2.15	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7	1/Discharge	Composite	0.0070	--
Cyanide	LBS/DAY	5.1	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	2.8	1/Discharge	Composite	0.00050	J (DNQ)
Mercury	LBS/DAY	0.07	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	46.14	1/Discharge	Composite	0.0047	J (DNQ)
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.1	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	64.4	1/Discharge	Composite	0.0091	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	80,477	1/Discharge	Composite	20	*
Fluoride	LBS/DAY	858	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365	1/Discharge	Composite	2.3	*
Perchlorate	LBS/DAY	3.22	1/Semiannual	ANR	ANR	ANR
Sulfate	LBS/DAY	134,128	1/Discharge	Composite	29	*
Total Dissolved Solids	LBS/DAY	456,034	1/Discharge	Composite	380	*

OUTFALL 009  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/6/2023 07:30 - 3/7/2023 10:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	0.2432	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22	1/Discharge	Composite	0.0037	J (DNQ*)
Cadmium	LBS/DAY	2.15	1/Discharge	Composite	ND	U*
Copper	LBS/DAY	7	1/Discharge	Composite	0.0049	*
Cyanide	LBS/DAY	5.1	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	2.8	1/Discharge	Composite	0.00024	J (DNQ*)
Mercury	LBS/DAY	0.07	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	46.14	1/Discharge	Composite	0.0033	J (DNQ*)
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.1	1/Discharge	Composite	ND	U*
Zinc	LBS/DAY	64.4	1/Discharge	Composite	ND	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537	1/Year	Composite	ANR	ANR
Chloride	LBS/DAY	80,477	1/Discharge	Composite	15	*
Fluoride	LBS/DAY	858	1/Year	Composite	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365	1/Discharge	Composite	1.1	*
Perchlorate	LBS/DAY	3.22	1/Semiannual	Composite	ANR	ANR
Sulfate	LBS/DAY	134,128	1/Discharge	Composite	22	*
Total Dissolved Solids	LBS/DAY	456,034	1/Discharge	Composite	260	*

OUTFALL 009  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/10/2023 08:40 <sup>(u)</sup> - 3/11/2023 07:35		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	3.409	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048	1/Discharge	Grab	22	J (DNQ*)
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22	1/Discharge	Composite	0.060	*
Cadmium	LBS/DAY	2.15	1/Discharge	Composite	ND	U*
Copper	LBS/DAY	7	1/Discharge	Composite	0.080	*
Cyanide	LBS/DAY	5.1	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	2.8	1/Discharge	Composite	0.074	*
Mercury	LBS/DAY	0.07	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	46.14	1/Discharge	Composite	0.063	*
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.1	1/Discharge	Composite	ND	U*
Zinc	LBS/DAY	64.4	1/Discharge	Composite	0.28	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	80,477	1/Discharge	Composite	94	*
Fluoride	LBS/DAY	858	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365	1/Discharge	Composite	6.5	*
Perchlorate	LBS/DAY	3.22	1/Semiannual	ANR	ANR	ANR
Sulfate	LBS/DAY	134,128	1/Discharge	Composite	130	*
Total Dissolved Solids	LBS/DAY	456,034	1/Discharge	Composite	1,800	*

OUTFALL 009  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 12:15 - 3/21/2023 11:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	1.714	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048	1/Discharge	Grab	37	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22	1/Discharge	Composite	0.019	J (DNQ*)
Cadmium	LBS/DAY	2.15	1/Discharge	Composite	ND	U*
Copper	LBS/DAY	7	1/Discharge	Composite	0.034	*
Cyanide	LBS/DAY	5.1	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	2.8	1/Discharge	Composite	0.0023	J (DNQ*)
Mercury	LBS/DAY	0.07	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	46.14	1/Discharge	Composite	0.012	J (DNQ*)
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.1	1/Discharge	Composite	ND	U*
Zinc	LBS/DAY	64.4	1/Discharge	Composite	0.046	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	80,477	1/Discharge	Composite	100	*
Fluoride	LBS/DAY	858	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365	1/Discharge	Composite	7.4	*
Perchlorate	LBS/DAY	3.22	1/Semiannual	ANR	ANR	ANR
Sulfate	LBS/DAY	134,128	1/Discharge	Composite	200	*
Total Dissolved Solids	LBS/DAY	456,034	1/Discharge	Composite	2,100	*

OUTFALL 009  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/29/2023 09:10 - 3/30/2023 09:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	1.276	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048	1/Discharge	Grab	ND	U*
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22	1/Discharge	Composite	0.015	J (DNQ*)
Cadmium	LBS/DAY	2.15	1/Discharge	Composite	0.0016	J (DNQ*)
Copper	LBS/DAY	7	1/Discharge	Composite	0.023	*
Cyanide	LBS/DAY	5.1	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	2.8	1/Discharge	Composite	0.014	*
Mercury	LBS/DAY	0.07	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	46.14	1/Discharge	Composite	0.019	J (DNQ*)
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.1	1/Discharge	Composite	0.0015	J (DNQ*)
Zinc	LBS/DAY	64.4	1/Discharge	Composite	0.077	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	80,477	1/Discharge	Composite	46	*
Fluoride	LBS/DAY	858	1/Year	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365	1/Discharge	Composite	3.3	*
Perchlorate	LBS/DAY	3.22	1/Semiannual	ANR	ANR	ANR
Sulfate	LBS/DAY	134,128	1/Discharge	Composite	71	*
Total Dissolved Solids	LBS/DAY	456,034	1/Discharge	Composite	1,200	*

**OUTFALL 010  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through January 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/10/2023 08:00 - 1/11/2023 09:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	0.38 <sup>(a)</sup>	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.49	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	6.83	*
<b>PRIORITY POLLUTANTS</b>						
Antimony	µg/L	6.0	1/Discharge	Composite	0.41	J (DNQ)
Cadmium	µg/L	4.0	1/Discharge	Composite	ND < 0.13	U
Copper	µg/L	13	1/Discharge	Composite	2.8	--
Cyanide	µg/L	9.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	1.1	--
Mercury	µg/L	0.13	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	86	1/Discharge	Composite	1.5	J (DNQ)
Thallium	µg/L	2.0	1/Discharge	Composite	ND < 0.11	U
Zinc	µg/L	120	1/Discharge	Composite	8.7	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	mg/L	1.0	1/Year	Composite	0.071	J (DNQ)
Chloride	mg/L	150	1/Discharge	Composite	3.5	--
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass, -64.79	--
Fluoride	mg/L	1.6	1/Year	Composite	0.085	J (DNQ)
Nitrate + Nitrite as Nitrogen (N)	mg/L	10	1/Discharge	Composite	1.2	--
Perchlorate	µg/L	6.0	1/Semiannual	Composite	ND < 0.91	U
Sulfate	mg/L	250	1/Discharge	Composite	2.9	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	54.1	*
Total Dissolved Solids	mg/L	850	1/Discharge	Composite	140	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Year	Grab	ND < 0.25	U
1,1,2,2-Tetrachloroethane	µg/L	-	1/Year	Grab	ND < 0.20	U
1,1,2-Trichloroethane	µg/L	-	1/Year	Grab	ND < 0.17	U
1,1-Dichloroethane	µg/L	-	1/Year	Grab	ND < 0.39	U
1,1-Dichloroethene	µg/L	-	1/Year	Grab	ND < 0.33	U
1,2,4-Trichlorobenzene	µg/L	-	1/Year	Composite	ND < 0.12	U
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Year	Grab	ND < 0.16	U
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.11	U
1,2-Dichloroethane	µg/L	-	1/Year	Grab	ND < 0.15	U
1,2-Dichloropropane	µg/L	-	1/Year	Grab	ND < 0.17	U
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	Composite	ND < 0.088	U
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Year	Grab	ND < 0.16	U
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.11	U
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Year	Grab	ND < 0.11	U
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.13	U
2,4,6-Trichlorophenol	µg/L	-	1/Year	Composite	ND < 0.13	U
2,4-Dichlorophenol	µg/L	-	1/Year	Composite	ND < 0.13	U
2,4-Dimethylphenol	µg/L	-	1/Year	Composite	ND < 0.12	U
2,4-Dinitrophenol	µg/L	-	1/Year	Composite	ND < 4.1	U
2,4-Dinitrotoluene	µg/L	-	1/Year	Composite	ND < 0.11	U
2,6-Dinitrotoluene	µg/L	-	1/Year	Composite	ND < 0.17	U
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	Grab	ND < 0.19	UJ (H)
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	Grab	ND < 1.1	U
2-Chloronaphthalene	µg/L	-	1/Year	Composite	ND < 0.14	U
2-Chlorophenol	µg/L	-	1/Year	Composite	ND < 0.092	U
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	Composite	ND < 4.4	U
2-Nitrophenol	µg/L	-	1/Year	Composite	ND < 3.4	U
3,3'-Dichlorobenzidine	µg/L	-	1/Year	Composite	ND < 2.9	U
4,4'-DDD	µg/L	-	1/Year	Composite	ND < 0.0044	U
4,4'-DDE	µg/L	-	1/Year	Composite	ND < 0.0019	U
4,4'-DDT	µg/L	-	1/Year	Composite	ND < 0.0016	U

OUTFALL 010  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through January 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/10/2023 08:00 - 1/11/2023 09:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
4-Bromophenyl phenyl ether	µg/L	-	1/Year	Composite	ND < 0.096	U
4-Chloro-3-methylphenol	µg/L	-	1/Year	Composite	ND < 0.13	U
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	Composite	ND < 0.16	U
4-Nitrophenol	µg/L	-	1/Year	Composite	ND < 3.3	U
Acenaphthene	µg/L	-	1/Year	Composite	ND < 0.095	U
Acenaphthylene	µg/L	-	1/Year	Composite	ND < 0.13	U
Acrolein	µg/L	-	1/Year	Grab	ND < 4.6	U
Acrylonitrile	µg/L	-	1/Year	Grab	ND < 1.4	U
Aldrin	µg/L	-	1/Year	Composite	ND < 0.0031	U
alpha-BHC	µg/L	-	1/Year	Composite	ND < 0.0012	U
alpha-Endosulfan	µg/L	-	1/Year	Composite	ND < 0.0013	U
Anthracene	µg/L	-	1/Year	Composite	ND < 0.081	U
Aroclor 1016	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1221	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1232	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1242	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1248	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1254	µg/L	-	1/Year	Composite	ND < 0.052	U
Aroclor 1260	µg/L	-	1/Year	Composite	ND < 0.052	U
Arsenic	µg/L	-	1/Year	Composite	1.5	--
Asbestos, > = 0.5 um	MFL	-	1/Year	Composite	10.00	*
Asbestos, > 10 um only	MFL	-	1/Year	Composite	ND < 5.00	U*
Benzene	µg/L	-	1/Year	Grab	ND < 0.28	U
Benazidine	µg/L	-	1/Year	Composite	ND < 2.6	U
Benzo(a)anthracene	µg/L	-	1/Year	Composite	ND < 0.12	U
Benzo(a)pyrene	µg/L	-	1/Year	Composite	ND < 0.15	U
Benzo(b)fluoranthene	µg/L	-	1/Year	Composite	ND < 0.11	U
Benzo(g,h,i)perylene	µg/L	-	1/Year	Composite	ND < 0.10	U
Benzo(k)fluoranthene	µg/L	-	1/Year	Composite	ND < 0.11	U
Beryllium	µg/L	-	1/Year	Composite	ND < 0.26	U
beta-BHC	µg/L	-	1/Year	Composite	ND < 0.0039	U
beta-Endosulfan	µg/L	-	1/Year	Composite	ND < 0.0041	U
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	Composite	ND < 0.10	U
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	Composite	ND < 0.10	U
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	Composite	ND < 0.13	U
Bis (2-Ethylhexyl) Phthalate	µg/L	-	1/Year	Composite	ND < 3.5	U
Bromoform	µg/L	-	1/Year	Grab	ND < 0.25	U
Bromomethane (Methyl Bromide)	µg/L	-	1/Year	Grab	ND < 0.22	U
Butyl benzylphthalate	µg/L	-	1/Year	Composite	ND < 0.65	U
Carbon tetrachloride	µg/L	-	1/Year	Grab	ND < 0.28	U
Chlordane	µg/L	-	1/Year	Composite	ND < 0.026	U
Chlorobenzene	µg/L	-	1/Year	Grab	ND < 0.19	U
Chlorodibromomethane	µg/L	-	1/Year	Grab	ND < 0.15	U
Chloroethane	µg/L	-	1/Year	Grab	ND < 0.29	U
Chloroform	µg/L	-	1/Year	Grab	ND < 0.19	U
Chloromethane (Methyl Chloride)	µg/L	-	1/Year	Grab	ND < 0.30	U
Chromium	µg/L	-	1/Year	Composite	0.64	J (DNQ*)
Chromium III (Trivalent)	µg/L	-	1/Year	Composite	ND < 3.0	U
Chromium VI (Hexavalent)	µg/L	-	1/Year	Composite	0.094	J (DNQ)
Chrysene	µg/L	-	1/Year	Composite	ND < 0.11	U
cis-1,3-Dichloropropene	µg/L	-	1/Year	Grab	ND < 0.30	U
delta-BHC	µg/L	-	1/Year	Composite	ND < 0.0020	U
Dibenzo(a,h)anthracene	µg/L	-	1/Year	Composite	ND < 0.15	U
Dichlorobromomethane	µg/L	-	1/Year	Grab	ND < 0.19	U
Dieldrin	µg/L	-	1/Year	Composite	ND < 0.0013	U
Diethyl phthalate	µg/L	-	1/Year	Composite	ND < 0.17	U
Dimethyl phthalate	µg/L	-	1/Year	Composite	ND < 0.094	U

OUTFALL 010  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through January 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/10/2023 08:00 - 1/11/2023 09:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Di-n-butyl phthalate	µg/L	-	1/Year	Composite	ND < 1.8	UJ (H)
Di-n-octyl phthalate	µg/L	-	1/Year	Composite	ND < 0.52	U
Endosulfan sulfate	µg/L	-	1/Year	Composite	ND < 0.0014	U
Endrin	µg/L	-	1/Year	Composite	ND < 0.0023	U
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	Composite	ND < 0.024	U
Endrin aldehyde <sup>(a)</sup>	µg/L	-	1/Year	Composite	ND < 0.0019	U*
Ethylbenzene	µg/L	-	1/Year	Grab	ND < 0.25	U
Fluoranthene	µg/L	-	1/Year	Composite	ND < 0.097	U
Fluorene	µg/L	-	1/Year	Composite	ND < 0.091	U
gamma-BHC (Lindane)	µg/L	-	1/Year	Composite	ND < 0.00066	U
Heptachlor	µg/L	-	1/Year	Composite	ND < 0.0012	U
Heptachlor epoxide	µg/L	-	1/Year	Composite	ND < 0.0039	U
Hexachlorobenzene	µg/L	-	1/Year	Composite	ND < 0.13	U
Hexachlorobutadiene	µg/L	-	1/Year	Composite	ND < 0.15	U
Hexachlorocyclopentadiene	µg/L	-	1/Year	Composite	ND < 0.15	U
Hexachloroethane	µg/L	-	1/Year	Composite	ND < 0.12	U
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	Composite	ND < 0.12	U
Isophorone	µg/L	-	1/Year	Composite	ND < 0.095	U
m,p-Xylenes	µg/L	-	1/Year	Grab	ND < 0.17	U
Methylene chloride	µg/L	-	1/Year	Grab	ND < 0.57	U
Naphthalene (VOC)	µg/L	-	1/Year	Grab	ND < 0.33	U
Naphthalene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.11	U
Nitrobenzene	µg/L	-	1/Year	Composite	ND < 0.14	U
N-Nitrosodimethylamine	µg/L	-	1/Year	Composite	ND < 0.18	U
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	Composite	ND < 0.14	U
N-Nitrosodiphenylamine	µg/L	-	1/Year	Composite	ND < 0.10	U
o-Xylene	µg/L	-	1/Year	Grab	ND < 0.15	U
Pentachlorophenol	µg/L	-	1/Year	Composite	ND < 0.82	U
Phenanthrene	µg/L	-	1/Year	Composite	ND < 0.16	U
Phenol	µg/L	-	1/Year	Composite	ND < 0.51	U
Pyrene	µg/L	-	1/Year	Composite	ND < 0.083	U
Tetrachloroethene	µg/L	-	1/Year	Grab	ND < 0.21	U
Toluene	µg/L	-	1/Year	Grab	ND < 0.23	U
Toxaphene	µg/L	-	1/Year	Composite	ND < 0.054	U
trans-1,2-Dichloroethene	µg/L	-	1/Year	Grab	ND < 0.24	U
trans-1,3-Dichloropropene	µg/L	-	1/Year	Grab	ND < 0.18	U
Trichloroethene	µg/L	-	1/Year	Grab	ND < 0.17	U
Trichlorofluoromethane	µg/L	-	1/Year	Grab	ND < 0.29	U
Vinyl chloride	µg/L	-	1/Year	Grab	ND < 0.47	U
Xylenes (Total)	µg/L	-	1/Year	Grab	ND < 0.17	U



OUTFALL 010  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through January 31, 2023

				1/10/2023 08:00 - 1/11/2023 09:45		
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
Aluminum	µg/L	-	1/Year	Composite	290	--
Chlorpyrifos	µg/L	-	1/Year	Composite	ND < 0.0040	U
Diazinon	µg/L	-	1/Year	Composite	ND < 0.0034	UJ (H)
E. Coli	mpn/100mL	-	1/Year	Grab	77	J (H)
Hardness (as CaCO3)	mg/L	-	1/Year	Composite	53	--
Iron	mg/L	-	1/Year	Composite	0.26	--
Selenium	µg/L	-	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	-	1/Discharge	Composite	ND < 0.23	U
Total Suspended Solids	mg/L	-	1/Year	Composite	8.3	--
Vanadium	µg/L	-	1/Year	Composite	1.8	J (DNQ)
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Aluminum, dissolved	µg/L	-	Additional/Year	Composite	210	--
Antimony, dissolved	µg/L	-	Additional/Discharge	Composite	0.46	J (DNQ)
Arsenic, dissolved	µg/L	-	Additional/Year	Composite	1.5	--
Beryllium, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.26	U
Boron, dissolved	mg/L	-	Additional/Year	Composite	0.068	J (DNQ)
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	Composite	0.39	J (DNQ*)
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	2.4	--
Hardness, dissolved (as CaCO3)	mg/L	-	Additional/Year	Composite	52	--
Human Bacteroides	CEs/100mL	-	Additional/Year	Grab	ND	U*
Iron, dissolved	mg/L	-	Additional/Year	Composite	0.13	--
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.27	J (DNQ)
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Discharge	Composite	1.1	J (DNQ)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.23	U
Thallium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.11	U
Vanadium, dissolved	µg/L	-	Additional/Year	Composite	1.3	J (DNQ)
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	4.2	J (DNQ)

OUTFALL 010  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through January 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/11/2023 09:45 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	2.5E-06	9.0E-05	--	4.5E-08
1,2,3,4,6,7,8-HpCDF							U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	5.7E-07	7.5E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	3.0E-07	2.3E-06	U (B)	ND
1,2,3,4,7,8-HxCDF							U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	3.0E-07	1.4E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.5E-07	4.6E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.6E-07	8.6E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.5E-07	8.6E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.1E-07	6.6E-07	U (B)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.2E-07	6.0E-07	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.4E-07	6.0E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.4E-07	6.9E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	2.1E-07	4.4E-07	UJ (*III)	ND
2,3,7,8-TCDF							U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	4.6E-06	9.0E-04	--	9.0E-10
OCDF	1/Discharge	0.0001	0.02	µg/L	6.4E-07	1.1E-04	--	2.2E-10

TCDD TEQ w/out DNQ Values	4.6E-08
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 010  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through January 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/11/2023 09:45 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha						
Gross Beta	pCi/L	50	1/Discharge	2.28 ± 0.770	0.952	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.39 ± 0.739	NM	U
Strontium-90						
Tritium	pCi/L	20,000	1/Discharge	32.4 ± 179	323	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-4.92 ± 8.67	10.3	U
Uranium	pCi/L	20	1/Discharge	0.166 ± 0.210	0.320	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	37.9 ± 82.0	105	U

OUTFALL 010  
DISCHARGE MONITORING MASS SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

				1/10/2023 08:00 - 1/11/2023 09:45		
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	64.33	1/Discharge	Meas	0.38 <sup>(x)</sup>	*
<b>CONVENTIONAL POLLUTANTS</b>						
Oil & Grease	LBS/DAY	8,048	1/Discharge	Grab	ND	U
<b>PRIORITY POLLUTANTS</b>						
Antimony	LBS/DAY	3.22	1/Discharge	Composite	0.0013	J (DNQ)
Cadmium	LBS/DAY	2.15	1/Discharge	Composite	ND	U
Copper	LBS/DAY	7	1/Discharge	Composite	0.0089	--
Cyanide	LBS/DAY	5.1	1/Discharge	Composite	ND	U
Lead	LBS/DAY	2.8	1/Discharge	Composite	0.0035	--
Mercury	LBS/DAY	0.07	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	46.14	1/Discharge	Composite	0.0048	J (DNQ)
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	1.5E-08	1/Discharge	Composite	1.5E-10	*
Thallium	LBS/DAY	1.1	1/Discharge	Composite	ND	U
Zinc	LBS/DAY	64.4	1/Discharge	Composite	0.028	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Boron	LBS/DAY	537	1/Year	Composite	0.23	J (DNQ)
Chloride	LBS/DAY	80,477	1/Discharge	Composite	11	--
Fluoride	LBS/DAY	858	1/Year	Composite	0.27	J (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	5,365	1/Discharge	Composite	3.8	--
Perchlorate	LBS/DAY	3.22	1/Semiannual	Composite	ND	U
Sulfate	LBS/DAY	134,128	1/Discharge	Composite	9.2	--
Total Dissolved Solids	LBS/DAY	456,034	1/Discharge	Composite	440	--

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/8/2023 16:00 - 1/10/2023 11:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	16.653	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	ND < 1.0	U
Oil & Grease	mg/L	15	1/Discharge	Grab	0.59	J (DNQ)
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.30	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	4.2 (c)	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	Composite	0.47	J (DNQ)
Arsenic	µg/L	10.0	1/Year <sup>(p)</sup>	Composite	1.3	--
Beryllium	µg/L	4.0	1/Year	Composite	ND < 0.26	U
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	3.9	J (DNQ)
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	Composite	0.067	J (DNQ)
Copper	µg/L	14	1/Discharge	Composite	6.5	--
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	0.40	J (DNQ)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	Composite	1.7	J (DNQ)
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.82	U
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	Composite	ND < 0.23	U
Thallium	µg/L	2.0	1/Year	Composite	ND < 0.11	U
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	17	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.059	J (DNQ)
Barium	mg/L	1.0	1/Year	Composite	0.013	--
Chloride	mg/L	150	1/Discharge	Composite	30	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	Grab	0.0	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass, -13.06	--
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.12	J (DNQ)
Fluoride	mg/L	1.6	1/Year	Composite	0.11	--
Iron	mg/L	0.3	1/Discharge <sup>(i)</sup>	Composite	0.19	--
Manganese	µg/L	50	1/Discharge <sup>(i)</sup>	Composite	61	--
Nitrate - N	mg/L	8	1/Discharge	Composite	1.3	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	1.5	--
Nitrite - N	mg/L	1	1/Discharge	Composite	0.15	--
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	Composite	10	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	54.5	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	150	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	Grab	ND < 0.25	U
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	Grab	ND < 0.20	U
1,1,2-Trichloroethane	µg/L	-	1/Quarter	Grab	ND < 0.17	U
1,1-Dichloroethane	µg/L	-	1/Quarter	Grab	ND < 0.39	U
1,2,4-Trichlorobenzene	µg/L	-	1/Year	Composite	ND < 0.12	U
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	Grab	ND < 0.16	U
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.11	U
1,2-Dichloropropane	µg/L	-	1/Quarter	Grab	ND < 0.17	U
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	Composite	ND < 0.088	U
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	Grab	ND < 0.16	U
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.11	U
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	Grab	ND < 0.11	U
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.13	U

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/8/2023 16:00 - 1/10/2023 11:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	Composite	ND < 0.13	U
2,4-Dimethylphenol	µg/L	-	1/Year	Composite	ND < 0.12	U
2,4-Dinitrophenol	µg/L	-	1/Year	Composite	ND < 4.1	U
2,6-Dinitrotoluene	µg/L	-	1/Year	Composite	ND < 0.17	U
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	Grab	ND < 1.1	UJ (*1)
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	Grab	ND < 0.19	UJ (H)
2-Chloronaphthalene	µg/L	-	1/Year	Composite	ND < 0.14	U
2-Chlorophenol	µg/L	-	1/Year	Composite	ND < 0.092	U
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	Composite	ND < 4.4	U
2-Nitrophenol	µg/L	-	1/Year	Composite	ND < 3.4	U
3,3'-Dichlorobenzidine	µg/L	-	1/Year	Composite	ND < 2.9	U
4,4'-DDD	µg/L	-	1/Year	Composite	ND < 0.0044	U
4,4'-DDE	µg/L	-	1/Year	Composite	ND < 0.0019	U
4,4'-DDT	µg/L	-	1/Year	Composite	ND < 0.0016	U
4-Bromophenyl phenyl ether	µg/L	-	1/Year	Composite	ND < 0.096	U
4-Chloro-3-methylphenol	µg/L	-	1/Year	Composite	ND < 0.13	U
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	Composite	ND < 0.16	U
4-Nitrophenol	µg/L	-	1/Year	Composite	ND < 3.3	U
Acenaphthene	µg/L	-	1/Year	Composite	ND < 0.095	U
Acenaphthylene	µg/L	-	1/Year	Composite	ND < 0.13	U
Acrolein	µg/L	-	1/Quarter	Grab	ND < 4.6	UJ(*1)
Acrylonitrile	µg/L	-	1/Quarter	Grab	ND < 1.4	U
Aldrin	µg/L	-	1/Year	Composite	ND < 0.0031	U
alpha-Endosulfan	µg/L	-	1/Year	Composite	ND < 0.0013	U
Anthracene	µg/L	-	1/Year	Composite	ND < 0.081	U
Aroclor 1016	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1221	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1232	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1242	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1248	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1254	µg/L	-	1/Year	Composite	ND < 0.052	U
Aroclor 1260	µg/L	-	1/Year	Composite	ND < 0.052	U
Benzene	µg/L	-	1/Quarter	Grab	ND < 0.28	U
Benzidine	µg/L	-	1/Year	Composite	ND < 2.6	U
Benzo(a)anthracene	µg/L	-	1/Year	Composite	ND < 0.12	U
Benzo(a)pyrene	µg/L	-	1/Year	Composite	ND < 0.15	U
Benzo(b)fluoranthene	µg/L	-	1/Year	Composite	ND < 0.11	U
Benzo(g,h,i)perylene	µg/L	-	1/Year	Composite	ND < 0.10	U
Benzo(k)fluoranthene	µg/L	-	1/Year	Composite	ND < 0.11	U
beta-BHC	µg/L	-	1/Year	Composite	ND < 0.0039	U
beta-Endosulfan	µg/L	-	1/Year	Composite	ND < 0.0041	U
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	Composite	ND < 0.10	U
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	Composite	ND < 0.10	U
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	Composite	ND < 0.13	U
Bromoform	µg/L	-	1/Quarter	Grab	ND < 0.25	U
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	Grab	ND < 0.22	U
Butyl benzylphthalate	µg/L	-	1/Year	Composite	ND < 0.65	U
Carbon tetrachloride	µg/L	-	1/Quarter	Grab	ND < 0.28	U
Chlordane	µg/L	-	1/Year	Composite	ND < 0.026	U
Chlorobenzene	µg/L	-	1/Quarter	Grab	ND < 0.19	U
Chlorodibromomethane	µg/L	-	1/Quarter	Grab	ND < 0.15	U
Chloroethane	µg/L	-	1/Quarter	Grab	ND < 0.29	U
Chloroform	µg/L	-	1/Quarter	Grab	ND < 0.19	U
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	Grab	ND < 0.30	U
Chromium	µg/L	-	1/Year	Composite	0.69	J (DNQ)
Chromium III (Trivalent)	µg/L	-	1/Year	Composite	ND < 3.0	U
Chrysene	µg/L	-	1/Year	Composite	ND < 0.11	U
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	Grab	ND < 0.30	U
delta-BHC	µg/L	-	1/Year	Composite	ND < 0.0020	U
Dibenzo(a,h)anthracene	µg/L	-	1/Year	Composite	ND < 0.15	U
Dichlorobromomethane	µg/L	-	1/Quarter	Grab	ND < 0.19	U
Dieldrin	µg/L	-	1/Year	Composite	ND < 0.0013	U
Diethyl phthalate	µg/L	-	1/Year	Composite	ND < 0.17	U

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/8/2023 16:00 - 1/10/2023 11:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	Composite	ND < 0.094	U
Di-n-butyl phthalate	µg/L	-	1/Year	Composite	ND < 1.8	U
Di-n-octyl phthalate	µg/L	-	1/Year	Composite	ND < 0.52	U
Endosulfan sulfate	µg/L	-	1/Year	Composite	ND < 0.0014	U
Endrin	µg/L	-	1/Year	Composite	ND < 0.0023	U
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	Composite	ND < 0.024	U
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	Composite	ND < 0.0019	U
Ethylbenzene	µg/L	-	1/Quarter	Grab	ND < 0.25	U
Fluoranthene	µg/L	-	1/Year	Composite	ND < 0.097	U
Fluorene	µg/L	-	1/Year	Composite	ND < 0.091	U
gamma-BHC (Lindane)	µg/L	-	1/Year	Composite	ND < 0.00066	U
Heptachlor	µg/L	-	1/Year	Composite	ND < 0.0012	U
Heptachlor epoxide	µg/L	-	1/Year	Composite	ND < 0.0039	U
Hexachlorobenzene	µg/L	-	1/Year	Composite	ND < 0.13	U
Hexachlorobutadiene	µg/L	-	1/Year	Composite	ND < 0.15	U
Hexachlorocyclopentadiene	µg/L	-	1/Year	Composite	ND < 0.15	U
Hexachloroethane	µg/L	-	1/Year	Composite	ND < 0.12	U
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	Composite	ND < 0.12	U
Isophorone	µg/L	-	1/Year	Composite	ND < 0.095	U
m,p-Xylenes	µg/L	-	1/Year	Grab	ND < 0.17	U
Methylene chloride	µg/L	-	1/Quarter	Grab	ND < 0.57	U
Naphthalene (VOC)	µg/L	-	1/Year	Grab	ND < 0.33	U
Naphthalene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.11	U
Nitrobenzene	µg/L	-	1/Year	Composite	ND < 0.14	U
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	Composite	ND < 0.14	U
N-Nitrosodiphenylamine	µg/L	-	1/Year	Composite	ND < 0.10	U
o-Xylene	µg/L	-	1/Year	Grab	ND < 0.15	U
Phenanthrene	µg/L	-	1/Year	Composite	ND < 0.16	U
Phenol	µg/L	-	1/Year	Composite	ND < 0.51	U
Pyrene	µg/L	-	1/Year	Composite	ND < 0.083	U
Tetrachloroethene	µg/L	-	1/Quarter	Grab	ND < 0.21	U
Toluene	µg/L	-	1/Quarter	Grab	ND < 0.23	U
Toxaphene	µg/L	-	1/Year	Composite	ND < 0.054	U
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	Grab	ND < 0.24	U
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	Grab	ND < 0.18	U
Trichlorofluoromethane	µg/L	-	1/Year	Grab	ND < 0.29	U
Vinyl chloride	µg/L	-	1/Quarter	Grab	ND < 0.47	U
Xylenes (Total)	µg/L	-	1/Year	Grab	ND < 0.17	U
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	Grab	ND < 0.33	U
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	Grab	ND < 0.58	U
1,4-Dioxane	µg/L	-	1/Year	Composite	ND < 0.55	U
Boron	mg/L	-	1/Year	Composite	0.064	J (DNQ)
cis-1,2-Dichloroethene	µg/L	-	1/Year	Grab	ND < 0.21	U
Cobalt	µg/L	-	1/Year	Composite	0.19	J (DNQ)
Conductivity	µmhos/cm	-	1/Discharge	Grab	220	--
Cyclohexane	µg/L	-	1/Year	Grab	ND < 0.79	U
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	Grab	0.052	--
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	12.38	*
E. Coli	mpn/100mL	-	1/Year	Grab	110	J (H)
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	Grab	ND < 0.030	U
Hardness (as CaCO3)	mg/L	-	1/Year	Composite	34	--
Monomethyl hydrazine	µg/L	-	1/Year	Composite	ND < 0.31	U*
Total Organic Carbon	mg/L	-	1/Year	Composite	11	--
Turbidity	NTU	-	1/Discharge	Composite	5.5	--
Vanadium	µg/L	-	1/Year	Composite	1.3	J (DNQ)

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/8/2023 16:00 - 1/10/2023 11:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	Composite	0.62	J (DNQ)
Arsenic, dissolved	µg/L	-	Additional/Year <sup>(p)</sup>	Composite	1.2	--
Barium, dissolved	mg/L	-	Additional/Year	Composite	0.011	--
Beryllium, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.26	U
Boron, dissolved	mg/L	-	Additional/Year	Composite	0.062	J (DNQ)
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chlorpyrifos	ug/L	-	Additional <sup>(p)</sup>	Composite	ND < 0.0040	U*
Chromium, dissolved	µg/L	-	Additional/Year	Composite	0.65	J (DNQ)
Cobalt, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.14	U
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	5.9	--
Diazinon	ug/L	-	Additional <sup>(p)</sup>	Composite	ND < 0.0034	U*
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	Composite	33	--
Human Bacteroides	CEs/100mL	-	Additional/Year	Grab	25.8	J (DNQ*)
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(t)</sup>	Composite	0.053	--
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(t)</sup>	Composite	25	--
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	Composite	1.7	J (DNQ)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	0.65	J (DNQ)
Silver, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.23	U
Thallium, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.11	U
Vanadium, dissolved	µg/L	-	Additional/Year	Composite	1.1	J (DNQ)
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 20	U (B)



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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/15/2023 14:00 - 1/17/2023 08:00		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	1.1924	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	1.0	J (DNQ)
Oil & Grease	mg/L	15	1/Discharge	Grab	1.3	--
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	6.90	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	7.6 (c)	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year <sup>(p)</sup>	Composite	1.8	--
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	4.9	--
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	0.85	J (DNQ)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.81	U
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	7.1	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	3.4	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass, -40.98	J (H)
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.14	J (DNQ)
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(i)</sup>	Composite	0.780	--
Manganese	µg/L	50	1/Discharge <sup>(i)</sup>	Composite	19	--
Nitrate - N	mg/L	8	1/Discharge	Composite	0.78	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.78	--
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	Composite	3.9	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	51.7	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	110	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/15/2023 14:00 - 1/17/2023 08:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/15/2023 14:00 - 1/17/2023 08:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	110	--
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	12.44	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	20	--
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/15/2023 14:00 - 1/17/2023 08:00		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year <sup>(p)</sup>	Composite	1.3	--
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chlorpyrifos	ug/L	-	Additional <sup>(p)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	4.8	--
Diazinon	ug/L	-	Additional <sup>(p)</sup>	ANR	ANR	ANR
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(t)</sup>	Composite	0.110	--
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 1.0	U (B)
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(t)</sup>	Composite	5.1	--
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	3.9	J (DNQ)

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 11:20 <sup>(m)</sup>		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	1.1039	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	ND < 1.0	U
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.51	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.89	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	Composite	2.3 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year <sup>(p)</sup>	Composite	1.5	--
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	1.4	J (DNQ)
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	ND < 1.0	U (B)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.81	U
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	2.9	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.056	J (DNQ)
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	3.8	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.054	U
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(i)</sup>	Composite	0.220	--
Manganese	µg/L	50	1/Discharge <sup>(i)</sup>	Composite	5.1	J+ (B)
Nitrate - N	mg/L	8	1/Discharge	Composite	1.1	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	1.1	--
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U
Settleable Solids <sup>#</sup>	ml/L	0.3	1/Discharge	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	Composite	5.6	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	47.1	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	86	--
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

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THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 11:20 <sup>(m)</sup>		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(n)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 11:20 <sup>(m)</sup>		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	81	--
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	17.26	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	6.2	--
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 11:20 <sup>(m)</sup>		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year <sup>(p)</sup>	Composite	1.4	--
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chlorpyrifos	ug/L	-	Additional <sup>(p)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.2	J (DNQ)
Diazinon	ug/L	-	Additional <sup>(p)</sup>	ANR	ANR	ANR
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(t)</sup>	Composite	0.074	--
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(t)</sup>	Composite	3.3	--
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.8	U



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SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/25/2023 07:40 - 2/25/2023 12:20		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	17.198	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	1.0	J (DNQ*)
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.53	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.43	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	92 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year <sup>(p)</sup>	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.5	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	0.13 <sup>(b)</sup>	J (DNQ)
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	5.3	--
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	3.2	--
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.81	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	0.60 <sup>(f)</sup>	J (DNQ)
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	23	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	2.6	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass, 0.00 <sup>(z)</sup>	*
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(i)</sup>	Composite	4.0	--
Manganese	µg/L	50	1/Discharge <sup>(i)</sup>	Composite	79	--
Nitrate - N	mg/L	8	1/Discharge	Composite	0.41	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.47	*
Nitrite - N	mg/L	1	1/Discharge	Composite	0.060	J (DNQ*)
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids#	m/L	0.3	1/Discharge	Grab	0.10 <sup>(c)</sup>	--
Sulfate	mg/L	300	1/Discharge	Composite	5.0	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	44.1	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	97	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/25/2023 07:40 - 2/25/2023 12:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/25/2023 07:40 - 2/25/2023 12:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	67	--
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	15.75	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	140	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/25/2023 07:40 - 2/25/2023 12:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year <sup>(p)</sup>	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chlorpyrifos	ug/L	-	Additional <sup>(p)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	2.8	--
Diazinon	ug/L	-	Additional <sup>(p)</sup>	ANR	ANR	ANR
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(t)</sup>	Composite	0.290	--
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.20	J (DNQ)
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(t)</sup>	Composite	3.6	--
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	4.5	J (DNQ)

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/14/2023 15:30 - 3/16/2023 07:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.0901	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	4.7	*
Oil & Grease	mg/L	15	1/Discharge	Grab	2.8	*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	6.68	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	42 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year <sup>(p)</sup>	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	0.20 <sup>(b)</sup>	J (DNQ*)
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	4.3	*
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	1.9	*
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	0.87 <sup>(f)</sup>	J (DNQ*)
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	Composite	16	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.039	J (DNQ*)
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	3.3	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(i)</sup>	Composite	3.2	--
Manganese	µg/L	50	1/Discharge <sup>(i)</sup>	Composite	50	*
Nitrate - N	mg/L	8	1/Discharge	Composite	0.16	J (DNQ*)
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.16	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.086	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	Composite	12	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	56.0	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	130	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/14/2023 15:30 - 3/16/2023 07:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/14/2023 15:30 - 3/16/2023 07:15		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	240	*
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	27.56	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	55	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/14/2023 15:30 - 3/16/2023 07:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year <sup>(p)</sup>	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	0.13	J (DNQ*)
Chlorpyrifos	ug/L	-	Additional <sup>(p)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	2.6	*
Diazinon	ug/L	-	Additional <sup>(p)</sup>	ANR	ANR	ANR
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(i)</sup>	Composite	0.13	*
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.20	J (DNQ*)
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(i)</sup>	Composite	2.6	*
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	0.69	J (DNQ*)
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	3.5	J (DNQ*)



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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 14:10 - 3/21/2023 14:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.0915	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C	mg/L	30	1/Discharge	Composite	ND < 1.0	U*
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.15	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	ND < 0.83	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year <sup>(p)</sup>	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	2.0	*
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	ND < 0.12	U*
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U*
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	Composite	2.9	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.034	J (DNQ*)
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	11	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.063	J (DNQ*)
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(i)</sup>	Composite	0.0085	J (DNQ*)
Manganese	µg/L	50	1/Discharge <sup>(i)</sup>	Composite	7.2	*
Nitrate - N	mg/L	8	1/Discharge	Composite	0.14	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.14	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids#	ml/L	0.3	1/Discharge	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	Composite	69	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	54.8	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	210	*
<b>REMAINING PRIORITY POLLUTANTS</b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 14:10 - 3/21/2023 14:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 14:10 - 3/21/2023 14:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	380	*
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	7.94	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	0.25	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 14:10 - 3/21/2023 14:20		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year <sup>(p)</sup>	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	0.33	J (DNQ*)
Chlorpyrifos	ug/L	-	Additional <sup>(p)</sup>	ANR	ANR	ANR
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.8	J (DNQ*)
Diazinon	ug/L	-	Additional <sup>(p)</sup>	ANR	ANR	ANR
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(i)</sup>	Composite	0.0079	J (DNQ*)
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.26	J (DNQ*)
Manganese, dissolved	µg/L	-	Additional/Discharge <sup>(i)</sup>	Composite	6.8	*
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	0.67	J (DNQ*)
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	2.9	J (DNQ*)

**OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/10/2023 11:05 (Composite)		LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
					LAB MDL	LAB RESULT		
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	2.3E-07	2.1E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	1.9E-07	1.6E-05	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.6E-07	8.4E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	7.5E-08	1.7E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	9.1E-08	8.9E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	9.1E-08	5.5E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	9.4E-08	5.3E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	7.5E-08	1.2E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	9.2E-08	3.9E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	3.0E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	6.4E-08	2.4E-07	UJ (*III)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	8.8E-08	5.3E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	7.1E-08	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	5.5E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	9.3E-08	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	3.9E-07	2.1E-04	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	2.2E-07	2.0E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

**OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/17/2023 08:00 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.2E-06	2.4E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	3.6E-07	1.1E-05	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	4.0E-07	2.0E-06	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	2.8E-07	3.5E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	2.5E-07	1.6E-06	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.7E-07	1.7E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	2.3E-07	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.4E-07	2.2E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	2.4E-07	1.5E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	4.0E-07	1.3E-06	UJ (*III)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.9E-07	1.1E-06	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	2.1E-07	1.4E-06	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.2E-07	1.2E-06	J (DNQ)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	6.2E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.1E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	1.2E-06	1.7E-04	--	1.7E-10
OCDF	1/Discharge	0.0001	0.02	µg/L	3.8E-07	1.9E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	1.7E-10
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

**OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/20/2023 11:20 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	8.5E-07	1.9E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	3.0E-07	4.0E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	3.2E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	2.2E-07	2.2E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.9E-07	4.1E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.2E-07	8.5E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.6E-07	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	1.9E-07	4.8E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.7E-07	5.3E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.7E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.6E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.5E-07	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.9E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	5.5E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	5.2E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	3.1E-06	5.0E-04	--	5.0E-10
OCDF	1/Discharge	0.0001	0.02	µg/L	3.6E-07	2.1E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	5.0E-10
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

**OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	2/25/2023 12:20 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	2.0E-06	1.1E-04	--	5.5E-08
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	7.8E-07	2.5E-05	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	8.2E-07	1.8E-06	J (DNQ)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	5.2E-07	2.2E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	3.9E-07	1.2E-06	UJ (*III)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	5.1E-07	3.7E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	3.7E-07	1.1E-06	UJ (*III)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	4.6E-07	2.7E-06	J (DNQ)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	3.7E-07	1.3E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	4.2E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	2.5E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	3.5E-07	9.5E-07	UJ (*III)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.7E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	7.8E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.5E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	4.1E-06	2.5E-03	--	2.5E-09
OCDF	1/Discharge	0.0001	0.02	µg/L	5.5E-07	5.2E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	5.8E-08
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08



**OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/16/2023 07:15 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	4.9E-07	4.2E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	2.5E-07	9.6E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	2.7E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	1.0E-07	1.5E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	6.2E-08	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	1.0E-07	2.1E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	6.3E-08	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	9.5E-08	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	6.5E-08	ND	U	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	4.6E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.8E-08	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	5.9E-08	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.0E-08	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	1.8E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	7.9E-09	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	1.1E-06	4.3E-04	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	2.2E-07	2.3E-05	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

**OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/21/2023 14:20 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD EQUIVALENT (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.5E-06	9.0E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	9.3E-07	2.2E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.2E-06	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	6.9E-07	1.8E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	4.4E-07	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	6.4E-07	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	4.1E-07	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	5.9E-07	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	6.1E-07	ND	U	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	5.3E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	3.7E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	4.0E-07	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	4.3E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	4.8E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	2.6E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	1.6E-06	5.5E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	8.6E-07	5.8E-06	U (B)	ND

TCDD TEQ w/out DNQ Values <sup>(4)</sup>	ND
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TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/10/2023 11:05 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.428 ± 0.979	1.72	U
Gross Beta	pCi/L	50	1/Discharge	1.80 ± 0.659	0.819	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.09 ± 0.751	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	1.25 ± 0.742	1.11	--
Tritium	pCi/L	20,000	1/Discharge	-30.6 ± 165	309	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	7.04 ± 7.42	8.59	U
Uranium	pCi/L	20	1/Discharge	0.324 ± 0.356	0.405	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	136 ± 62.9	50.1	--

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/17/2023 08:00 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.39 ± 0.831	1.07	--
Gross Beta	pCi/L	50	1/Discharge	1.96 ± 0.710	0.88	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	2.02 ± 1.26	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	0.0563 ± 0.274	0.495	U
Tritium	pCi/L	20,000	1/Discharge	0.901 ± 157	287	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	0.660 ± 8.01	9.86	U
Uranium	pCi/L	20	1/Discharge	0.490 ± 0.308	0.301	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	47.3 ± 53.8	80.9	U

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 11:20 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.195 ± 0.773	1.41	U
Gross Beta	pCi/L	50	1/Discharge	1.15 ± 0.590	0.835	--
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	1.23 ± 0.549	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	0.539 ± 0.443	0.701	U
Tritium	pCi/L	20,000	1/Discharge	132 ± 169	279	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	0.414 ± 7.51	9.37	U
Uranium	pCi/L	20	1/Discharge	0.314 ± 0.259	0.266	U (B)
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-36.5 ± 91.2	128	U

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DISCHARGE MONITORING DATA SUMMARY TABLE

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THE BOEING COMPANY  
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ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/25/2023 12:20 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	3.06 ± 1.46	1.81	*
Gross Beta	pCi/L	50	1/Discharge	4.77 ± 1.03	0.966	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	2.87 ± 1.72	NM	U
Strontium-90	pCi/L	8.0	1/Discharge	0.220 ± 0.405	0.693	U*
Tritium	pCi/L	20,000	1/Discharge	-67.1 ± 174	342	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	1.53 ± 8.30	10.3	U*
Uranium	pCi/L	20	1/Discharge	2.00 ± 2.00	2.49	U*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	93.0 ± 52.8	52.7	*

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
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January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/16/2023 07:15 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	3.16 ± 1.59	2.08	*
Gross Beta	pCi/L	50	1/Discharge	6.31 ± 1.19	0.977	*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	3.16 ± 1.83 <sup>(b)</sup>	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	-0.0290 ± 0.522	0.935	U*
Tritium	pCi/L	20,000	1/Discharge	114 ± 156	263	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-1.17 ± 15.1	19.5	U*
Uranium	pCi/L	20	1/Discharge	0.347 ± 0.292	0.326	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-53.8 ± 159	237	U*

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/21/2023 14:20 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.629 ± 1.11	1.92	U*
Gross Beta	pCi/L	50	1/Discharge	0.902 ± 0.620	0.939	U*
Combined Radium-226 & Radium-228	pCi/L	5.0	1/Discharge	0.233 ± 0.302	NM	--
Strontium-90	pCi/L	8.0	1/Discharge	0.382 ± 0.453	0.746	U*
Tritium	pCi/L	20,000	1/Discharge	-86.0 ± 219	416	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-0.293 ± 8.39	10.7	U*
Uranium	pCi/L	20	1/Discharge	0.113 ± 0.1117	0.132	U*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-24.2 ± 92.4	143	U*



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ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/8/2023 16:00 - 1/10/2023 11:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	16.653	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	82	J (DNQ)
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	580 <sup>(6)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	Composite	0.065	J (DNQ)
Arsenic	LBS/DAY	9.83	1/Year <sup>(p)</sup>	Composite	0.18	--
Beryllium	LBS/DAY	3.93	1/Year	Composite	ND	U
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	0.54	J (DNQ)
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	Composite	0.0093	J (DNQ)
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.90	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.056	J (DNQ)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	Composite	0.24	J (DNQ)
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	Composite	ND	U
TCDD TEQ, NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	Composite	ND	U
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	2.4	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	8.2	J (DNQ)
Barium	LBS/DAY	983	1/Year	Composite	1.8	--
Chloride	LBS/DAY	147,405	1/Discharge	Composite	4,200	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	Grab	0.0	*
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	17	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	Composite	15	--
Iron	LBS/DAY	295	1/Discharge <sup>(i)</sup>	Composite	26	--
Manganese	LBS/DAY	49.1	1/Discharge <sup>(i)</sup>	Composite	8.5	--
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	181	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	210	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	21	--
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,400	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	21,000	--

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/15/2023 14:00 - 1/17/2023 08:00		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	1.1924	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	10	J (DNQ)
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	13	--
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	76 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year <sup>(p)</sup>	Composite	0.018	--
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.049	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0085	J (DNQ)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ, NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	1.7E-12	*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	0.071	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	34	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	1.4	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(i)</sup>	Composite	7.8	--
Manganese	LBS/DAY	49.1	1/Discharge <sup>(i)</sup>	Composite	0.19	--
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	7.8	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	7.8	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	39	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	1,100	--

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	1/20/2023 11:20 <sup>(m)</sup>	
					RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.1039	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	21 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year <sup>(p)</sup>	Composite	0.014	--
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.013	J (DNQ)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U (B)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ, NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	4.6E-12	*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	0.027	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	0.52	J (DNQ)
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	35	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(i)</sup>	Composite	2.0	--
Manganese	LBS/DAY	49.1	1/Discharge <sup>(i)</sup>	Composite	0.047	J+ (B)
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	10	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	10	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	52	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	790	--

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/25/2023 07:40 - 2/25/2023 12:20		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	17.198	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	140	J (DNQ*)
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	13,000 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year <sup>(p)</sup>	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	0.019 <sup>(b)</sup>	J (DNQ)
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.76	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.46	--
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	0.086 <sup>(f)</sup>	J (DNQ)
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ, NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	8.3E-09	*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	3.3	--
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	370	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(i)</sup>	Composite	570	--
Manganese	LBS/DAY	49.1	1/Discharge <sup>(i)</sup>	Composite	11	--
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	59	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	67	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	8.6	J (DNQ*)
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	720	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	14,000	*

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/14/2023 15:30 - 3/16/2023 07:15		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	1.0901	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	43	*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	26	*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	380 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year <sup>(p)</sup>	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	0.0018 <sup>(b)</sup>	J (DNQ*)
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.039	*
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.017	*
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	0.0079 <sup>(f)</sup>	J (DNQ*)
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ, NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	0.15	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	0.36	J (DNQ*)
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	30	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(i)</sup>	Composite	29	--
Manganese	LBS/DAY	49.1	1/Discharge <sup>(i)</sup>	Composite	0.45	*
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	1.5	J (DNQ*)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	1.5	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	110	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	1,200	*

OUTFALL 011  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 14:10 - 3/21/2023 14:20		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	1.0915	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	ND	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year <sup>(p)</sup>	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.018	*
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U*
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U*
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ, NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	0.026	J (DNQ*)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	0.31	J (DNQ*)
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	100	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	0.57	J (DNQ*)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(i)</sup>	Composite	0.077	J (DNQ*)
Manganese	LBS/DAY	49.1	1/Discharge <sup>(i)</sup>	Composite	0.066	*
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	1.3	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	1.3	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	630	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	1,900	*

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/4/2023 14:00 - 1/6/2023 10:15

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.37313	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	Composite	ND < 1.0	U
Oil & Grease	mg/L	15	1/Discharge	Grab	1.3	--
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	6.78	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	Composite	ND < 1.7	U
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	Composite	0.36	J (DNQ)
Arsenic	µg/L	10.0	1/Year	Composite	0.26	J (DNQ)
Beryllium	µg/L	4.0	1/Year	Composite	ND < 0.26	U
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	Composite	0.22	--
Copper	µg/L	14	1/Discharge	Composite	7.3	--
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	ND < 1.0	U (B)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	Composite	1.1	J (DNQ)
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	Composite	ND < 0.23	U
Thallium	µg/L	2.0	1/Year	Composite	ND < 0.11	U
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	13	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.064	J (DNQ)
Barium	mg/L	1.0	1/Year	Composite	0.035	--
Chloride	mg/L	150	1/Discharge	Composite	4.9	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	Grab	0	*
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass, -9.58	--
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.09	J (DNQ)
Fluoride	mg/L	1.6	1/Year	Composite	ND < 0.046	U
Iron	mg/L	0.3	1/Discharge <sup>(1)</sup>	Composite	0.022	--
Manganese	µg/L	50	1/Year	Composite	17	--
Nitrate - N	mg/L	8	1/Discharge	Composite	0.92	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	1	--
Nitrite - N	mg/L	1	1/Discharge	Composite	0.097	J (DNQ)
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U
Settleable Solids <sup>#</sup>	mL/L	0.3	1/Discharge	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	Composite	150	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	56	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	290	--
<b>REMAINING PRIORITY POLLUTANTS<sup>(p)</sup></b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	Grab	ND < 0.25	U
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	Grab	ND < 0.20	U
1,1,2-Trichloroethane	µg/L	-	1/Quarter	Grab	ND < 0.17	U
1,1-Dichloroethane	µg/L	-	1/Quarter	Grab	ND < 0.39	U
1,2,4-Trichlorobenzene	µg/L	-	1/Year	Composite	ND < 0.12	U
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	Grab	ND < 0.16	U
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.11	U
1,2-Dichloropropane	µg/L	-	1/Quarter	Grab	ND < 0.17	U
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	Composite	ND < 0.085	U
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	Grab	ND < 0.16	U
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.11	U
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	Grab	ND < 0.11	U
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.13	U

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/4/2023 14:00 - 1/6/2023 10:15

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	Composite	ND < 0.13	U
2,4-Dimethylphenol	µg/L	-	1/Year	Composite	ND < 0.12	U
2,4-Dinitrophenol	µg/L	-	1/Year	Composite	ND < 4.0	U
2,6-Dinitrotoluene	µg/L	-	1/Year	Composite	ND < 0.17	U
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	Grab	ND < 1.1	U
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	Grab	ND < 0.19	UJ (H)
2-Chloronaphthalene	µg/L	-	1/Year	Composite	ND < 0.14	U
2-Chlorophenol	µg/L	-	1/Year	Composite	ND < 0.090	U
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	Composite	ND < 4.3	U
2-Nitrophenol	µg/L	-	1/Year	Composite	ND < 3.3	U
3,3'-Dichlorobenzidine	µg/L	-	1/Year	Composite	ND < 2.8	U
4,4'-DDD	µg/L	-	1/Year	Composite	ND < 0.0044	U
4,4'-DDE	µg/L	-	1/Year	Composite	ND < 0.0019	U
4,4'-DDT	µg/L	-	1/Year	Composite	ND < 0.0016	U
4-Bromophenyl phenyl ether	µg/L	-	1/Year	Composite	ND < 0.094	U
4-Chloro-3-methylphenol	µg/L	-	1/Year	Composite	ND < 0.12	U
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	Composite	ND < 0.16	U
4-Nitrophenol	µg/L	-	1/Year	Composite	ND < 3.2	U
Acenaphthene	µg/L	-	1/Year	Composite	ND < 0.093	U
Acenaphthylene	µg/L	-	1/Year	Composite	ND < 0.12	U
Acrolein	µg/L	-	1/Quarter	Grab	ND < 4.6	U
Acrylonitrile	µg/L	-	1/Quarter	Grab	ND < 1.4	U
Aldrin	µg/L	-	1/Year	Composite	ND < 0.0031	U
alpha-Endosulfan	µg/L	-	1/Year	Composite	ND < 0.0013	U
Anthracene	µg/L	-	1/Year	Composite	ND < 0.079	U
Aroclor 1016	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1221	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1232	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1242	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1248	µg/L	-	1/Year	Composite	ND < 0.044	U
Aroclor 1254	µg/L	-	1/Year	Composite	ND < 0.052	U
Aroclor 1260	µg/L	-	1/Year	Composite	ND < 0.052	U
Benzene	µg/L	-	1/Quarter	Grab	ND < 0.28	U
Benzidine	µg/L	-	1/Year	Composite	ND < 2.5	U
Benzo(a)anthracene	µg/L	-	1/Year	Composite	ND < 0.12	U
Benzo(a)pyrene	µg/L	-	1/Year	Composite	ND < 0.14	U
Benzo(b)fluoranthene	µg/L	-	1/Year	Composite	ND < 0.11	U
Benzo(g,h,i)perylene	µg/L	-	1/Year	Composite	ND < 0.10	U
Benzo(k)fluoranthene	µg/L	-	1/Year	Composite	ND < 0.11	U
beta-BHC	µg/L	-	1/Year	Composite	ND < 0.0039	U
beta-Endosulfan	µg/L	-	1/Year	Composite	ND < 0.0041	U
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	Composite	ND < 0.099	U
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	Composite	ND < 0.098	U
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	Composite	ND < 0.12	U
Bromoform	µg/L	-	1/Quarter	Grab	ND < 0.25	U
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	Grab	ND < 0.22	U
Butyl benzylphthalate	µg/L	-	1/Year	Composite	ND < 0.63	U
Carbon tetrachloride	µg/L	-	1/Quarter	Grab	ND < 0.28	U
Chlordane	µg/L	-	1/Year	Composite	ND < 0.026	U
Chlorobenzene	µg/L	-	1/Quarter	Grab	ND < 0.19	U
Chlorodibromomethane	µg/L	-	1/Quarter	Grab	ND < 0.15	U
Chloroethane	µg/L	-	1/Quarter	Grab	ND < 0.29	U
Chloroform	µg/L	-	1/Quarter	Grab	ND < 0.19	U
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	Grab	ND < 0.30	U
Chromium	µg/L	-	1/Year	Composite	0.41	J (DNQ)
Chromium III (Trivalent)	µg/L	-	1/Year	Composite	ND < 3.0	U
Chrysene	µg/L	-	1/Year	Composite	ND < 0.11	U
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	Grab	ND < 0.30	U
delta-BHC	µg/L	-	1/Year	Composite	ND < 0.0020	U
Dibenzo(a,h)anthracene	µg/L	-	1/Year	Composite	ND < 0.15	U
Dichlorobromomethane	µg/L	-	1/Quarter	Grab	ND < 0.19	U
Dieldrin	µg/L	-	1/Year	Composite	ND < 0.0013	U
Diethyl phthalate	µg/L	-	1/Year	Composite	ND < 0.17	U



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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/4/2023 14:00 - 1/6/2023 10:15

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	Composite	ND < 0.092	U
Di-n-butyl phthalate	µg/L	-	1/Year	Composite	ND < 1.7	U
Di-n-octyl phthalate	µg/L	-	1/Year	Composite	ND < 0.50	U
Endosulfan sulfate	µg/L	-	1/Year	Composite	ND < 0.0014	U
Endrin	µg/L	-	1/Year	Composite	ND < 0.0023	U
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	Composite	ND < 0.024	U
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	Composite	ND < 0.0019	U*
Ethylbenzene	µg/L	-	1/Quarter	Grab	ND < 0.25	U
Fluoranthene	µg/L	-	1/Year	Composite	ND < 0.095	U
Fluorene	µg/L	-	1/Year	Composite	ND < 0.089	U
gamma-BHC (Lindane)	µg/L	-	1/Year	Composite	ND < 0.00066	U
Heptachlor	µg/L	-	1/Year	Composite	ND < 0.0012	U
Heptachlor epoxide	µg/L	-	1/Year	Composite	ND < 0.0039	U
Hexachlorobenzene	µg/L	-	1/Year	Composite	ND < 0.13	U
Hexachlorobutadiene	µg/L	-	1/Year	Composite	ND < 0.14	U
Hexachlorocyclopentadiene	µg/L	-	1/Year	Composite	ND < 0.14	U
Hexachloroethane	µg/L	-	1/Year	Composite	ND < 0.12	U
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	Composite	ND < 0.12	U
Isophorone	µg/L	-	1/Year	Composite	ND < 0.093	U
m,p-Xylenes	µg/L	-	1/Year	Grab	ND < 0.17	U
Methylene chloride	µg/L	-	1/Quarter	Grab	ND < 0.57	U
Naphthalene (VOC)	µg/L	-	1/Year	Grab	ND < 0.33	U
Naphthalene (SVOC)	µg/L	-	1/Year	Composite	ND < 0.10	U
Nitrobenzene	µg/L	-	1/Year	Composite	ND < 0.14	U
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	Composite	ND < 0.14	U
N-Nitrosodiphenylamine	µg/L	-	1/Year	Composite	ND < 0.10	U
o-Xylene	µg/L	-	1/Year	Grab	ND < 0.15	U
Phenanthrene	µg/L	-	1/Year	Composite	ND < 0.16	U
Phenol	µg/L	-	1/Year	Composite	ND < 0.49	U
Pyrene	µg/L	-	1/Year	Composite	ND < 0.081	U
Tetrachloroethene	µg/L	-	1/Quarter	Grab	ND < 0.21	U
Toluene	µg/L	-	1/Quarter	Grab	ND < 0.23	U
Toxaphene	µg/L	-	1/Year	Composite	ND < 0.054	U
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	Grab	ND < 0.24	U
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	Grab	ND < 0.18	U
Trichlorofluoromethane	µg/L	-	1/Year	Grab	ND < 0.29	U
Vinyl chloride	µg/L	-	1/Quarter	Grab	ND < 0.47	U
Xylenes (Total)	µg/L	-	1/Year	Grab	ND < 0.17	U
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	Grab	ND < 0.33	U
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	Grab	ND < 0.58	U
1,4-Dioxane	µg/L	-	1/Year	Composite	ND < 0.55	U
Boron	mg/L	-	1/Year	Composite	0.058	J (DNQ)
cis-1,2-Dichloroethene	µg/L	-	1/Year	Grab	ND < 0.21	U
Cobalt	µg/L	-	1/Year	Composite	ND < 0.14	U
Conductivity	µmhos/cm	-	1/Discharge	Grab	660	--
Cyclohexane	µg/L	-	1/Year	Grab	ND < 0.79	U
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	Grab	0.072	--
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	29.77	*
E. Coli	mpn/100mL	-	1/Year	Grab	1	--
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	Grab	ND < 0.03	U
Hardness (as CaCO3)	mg/L	-	1/Year	Composite	100	--
Monomethyl hydrazine	µg/L	-	1/Year	Composite	ND < 0.31	UJ (H)
Total Organic Carbon	mg/L	-	1/Year	Composite	4.8	--
Turbidity	NTU	-	1/Discharge	Composite	0.55	--
Vanadium	µg/L	-	1/Year	Composite	0.51	J (DNQ)

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/4/2023 14:00 - 1/6/2023 10:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	Composite	0.37	J (DNQ)
Arsenic, dissolved	µg/L	-	Additional/Year	Composite	0.26	J (DNQ)
Barium, dissolved	mg/L	-	Additional/Year	Composite	0.032	--
Beryllium, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.26	U
Boron, dissolved	mg/L	-	Additional/Year	Composite	0.05	J (DNQ)
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	Composite	0.34	J (DNQ)
Cobalt, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.14	U*
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.6	J (DNQ)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	Composite	100	--
Human Bacteroides	CEs/100mL	-	Additional/Year	Grab	ND	U*
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(1)</sup>	Composite	ND < 0.0037	U
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Year	Composite	15	--
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	UJ (H)
Nickel, dissolved	µg/L	-	Additional/Year	Composite	1.0	J (DNQ)
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.23	U
Thallium, dissolved	µg/L	-	Additional/Year	Composite	ND < 0.11	U
Vanadium, dissolved	µg/L	-	Additional/Year	Composite	0.52	J (DNQ)
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.8	U

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/9/2023 08:00 - 1/11/2023 08:45

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	4.8473	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	Composite	ND < 1.0	U
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.51	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.45	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	Composite	ND < 2.6	U
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	2.2	--
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	0.15	J (DNQ)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	ND < 2.8	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.041	J (DNQ)
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	3.2	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	Composite	Pass, -30.48	--
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.054	U
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(1)</sup>	Composite	0.0068	J (DNQ)
Manganese	µg/L	50	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	1.2	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	1.3	--
Nitrite - N	mg/L	1	1/Discharge	Composite	0.076	J (DNQ)
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U
Settleable Solids <sup>#</sup>	mL/L	0.3	1/Discharge	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	Composite	96	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	53.6	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	260	--
<b>REMAINING PRIORITY POLLUTANTS<sup>(p)</sup></b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/9/2023 08:00 - 1/11/2023 08:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/9/2023 08:00 - 1/11/2023 08:45

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	340	--
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	11.78	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	0.30	--
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/9/2023 08:00 - 1/11/2023 08:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.1	J (DNQ)
Hardness, Dissolved (as CaCO <sub>3</sub> )	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	Grab	ND	U*
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(f)</sup>	Composite	0.0046	J (DNQ)
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.8	U

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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/14/2023 10:55 - 1/15/2023 09:45

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/14/2023 10:55 - 1/15/2023 09:45		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	1.7376	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	Composite	ND < 1.0	U
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.56	U
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	6.95	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	Composite	6.6 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	1.9	J (DNQ)
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	0.23	J (DNQ)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.17	U
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	4.6	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	4	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.11	J (DNQ)
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(c)</sup>	Composite	0.20	--
Manganese	µg/L	50	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.97	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	1.1	--
Nitrite - N	mg/L	1	1/Discharge	Composite	0.1	J (DNQ)
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U
Settleable Solids <sup>#</sup>	mL/L	0.3	1/Discharge	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	Composite	73	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	49.8	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	220	--
<b>REMAINING PRIORITY POLLUTANTS<sup>(d)</sup></b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

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NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/14/2023 10:55 - 1/15/2023 09:45

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR



OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/14/2023 10:55 - 1/15/2023 09:45

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	360	--
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	10.02	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	4.50	--
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/14/2023 10:55 - 1/15/2023 09:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.7	J (DNQ)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(f)</sup>	Composite	0.017	J (DNQ)
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	3.4	J (DNQ)

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 09:45 - 1/21/2023 09:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.3030	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	Composite	4	--
Oil & Grease	mg/L	15	1/Discharge	Grab	0.6	J (DNQ)
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	8.28	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	Composite	1.8 <sup>(c)</sup>	J (DNQ)
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	1.5	J (DNQ)
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	ND < 0.12	U
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U
Zinc	µg/L	119	1/Discharge	Composite	ND < 2.8	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.037	J (DNQ)
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	5.3	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.054	U
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(c)</sup>	Composite	0.0041	J (DNQ)
Manganese	µg/L	50	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.74	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.85	--
Nitrite - N	mg/L	1	1/Discharge	Composite	0.11	--
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U
Settleable Solids <sup>#</sup>	mL/L	0.3	1/Discharge	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	Composite	110	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	46.8	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	270	--
<b>REMAINING PRIORITY POLLUTANTS<sup>(d)</sup></b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/20/2023 09:45 - 1/21/2023 09:25

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

1/20/2023 09:45 - 1/21/2023 09:25

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 09:45 - 1/21/2023 09:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	370	--
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	3.12	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	0.60	--
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 09:45 - 1/21/2023 09:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.4	J (DNQ)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(f)</sup>	Composite	ND < 0.0037	U
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.8	U

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

2/24/2023 07:00 - 2/26/2023 07:55

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	3.4034	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	Composite	1.0	J (DNQ)
Oil & Grease	mg/L	15	1/Discharge	Grab	0.62	J (DNQ)
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.3	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	Composite	5.0 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.67	U
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.30	U
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	1.7	J (DNQ)
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U
Lead	µg/L	5.2	1/Discharge	Composite	0.18	J (DNQ)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.81	U
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.35	U
Zinc	µg/L	119	1/Discharge	Composite	3.0	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	11	--
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.059	J (DNQ)
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(c)</sup>	ANR	ANR	ANR
Manganese	µg/L	50	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.11	J (DNQ)
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.11	--
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.086	U
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U
Settleable Solids <sup>#</sup>	mL/L	0.3	1/Discharge	Grab	ND < 0.10	U
Sulfate	mg/L	300	1/Discharge	Composite	180	--
Temperature (Field)	Deg F	86	1/Discharge	Grab	45.2	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	430	--
<b>REMAINING PRIORITY POLLUTANTS<sup>(d)</sup></b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

2/24/2023 07:00 - 2/26/2023 07:55

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR



OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

2/24/2023 07:00 - 2/26/2023 07:55

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	720	--
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	28.35	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	4.40	--
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/24/2023 07:00 - 2/26/2023 07:55		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.7	J (DNQ)
Hardness, Dissolved (as CaCO <sub>3</sub> )	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(f)</sup>	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Manganese, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	3.2	J (DNQ)

**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

3/4/2023 08:20 - 3/5/2023 07:55

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.4925	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	Composite	1.5	J (DNQ*)
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.50	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.05	*
Total Suspended Solids#	mg/L	45	1/Discharge	Composite	ND < 0.83	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	1.6	J (DNQ*)
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	ND < 0.12	U*
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.81	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	0.63 <sup>(6)</sup>	J (DNQ*)
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	Composite	ND < 2.8	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	ND < 0.032	U*
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	6.6	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.052	J (DNQ*)
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(1)</sup>	ANR	ANR	ANR
Manganese	µg/L	50	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.31	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.31	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids#	mL/L	0.3	1/Discharge	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	Composite	88	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	50.6	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	240	*
<b>REMAINING PRIORITY POLLUTANTS<sup>(b)</sup></b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/4/2023 08:20 - 3/5/2023 07:55

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/4/2023 08:20 - 3/5/2023 07:55

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	410	*
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	31.45	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	0.40	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/4/2023 08:20 - 3/5/2023 07:55		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.7	J (DNQ*)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(f)</sup>	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.13	J (DNQ*)
Manganese, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U*
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.8	U*

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/6/2023 07:45 - 3/7/2023 09:10

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.5518	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	Composite	ND < 1.0	U*
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.52	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	6.98	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	Composite	ND < 0.83	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	2.2	*
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	ND < 0.12	U*
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U*
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	Composite	ND < 2.8	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.059	J (DNQ*)
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	14	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	0.069	J (DNQ*)
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(1)</sup>	ANR	ANR	ANR
Manganese	µg/L	50	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.21	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.21	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids <sup>#</sup>	mL/L	0.3	1/Discharge	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	Composite	96	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	49.5	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	320	*
<b>REMAINING PRIORITY POLLUTANTS<sup>(p)</sup></b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/6/2023 07:45 - 3/7/2023 09:10

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR



OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/6/2023 07:45 - 3/7/2023 09:10

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	440	*
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	18.95	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	0.20	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/6/2023 07:45 - 3/7/2023 09:10		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	2.0	*
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(f)</sup>	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Manganese, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U*
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.8	U*

**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

3/13/2023 13:10 - 3/16/2023 07:45

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/13/2023 13:10 - 3/16/2023 07:45		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Flow**	MGD	117.83	1/Discharge	Meas	1.3480	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	Composite	3.0	*
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.51	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.26	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	Composite	ND < 0.83	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	2.0	*
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	ND < 0.12	U*
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U*
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	Composite	ND < 2.8	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.041	J (DNQ*)
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	8.3	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(1)</sup>	ANR	ANR	ANR
Manganese	µg/L	50	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.20	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.20	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.086	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids <sup>#</sup>	mL/L	0.3	1/Discharge	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	Composite	83	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	57.2	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	260	*
<b>REMAINING PRIORITY POLLUTANTS<sup>(p)</sup></b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

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FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/13/2023 13:10 - 3/16/2023 07:45

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/13/2023 13:10 - 3/16/2023 07:45

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/13/2023 13:10 - 3/16/2023 07:45		LABORATORY/ VALIDATION QUALIFIER
				SAMPLE TYPE	RESULT	
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	420	*
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	28.64	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	0.35	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/13/2023 13:10 - 3/16/2023 07:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.8	J (DNQ*)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(f)</sup>	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Manganese, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	0.93	J (DNQ*)
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.8	U*

**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 10:15 - 3/21/2023 10:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.4119	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	Composite	ND < 1.0	U*
Oil & Grease	mg/L	15	1/Discharge	Grab	1.2	*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	7.31	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	Composite	2.1 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	1.8	J (DNQ*)
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	0.16	J (DNQ*)
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	0.70 <sup>(f)</sup>	J (DNQ*)
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	Composite	ND < 2.8	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.069	J (DNQ*)
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	15	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(i)</sup>	ANR	ANR	ANR
Manganese	µg/L	50	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.18	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.18	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids <sup>#</sup>	mL/L	0.3	1/Discharge	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	Composite	91	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	55.2	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	290	*
<b>REMAINING PRIORITY POLLUTANTS<sup>(p)</sup></b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 10:15 - 3/21/2023 10:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR



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DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 10:15 - 3/21/2023 10:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	450	*
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	10.88	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	0.20	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 10:15 - 3/21/2023 10:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.13	U*
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.6	J (DNQ*)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(f)</sup>	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Manganese, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.52	U*
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.8	U*

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/29/2023 08:30 - 3/30/2023 08:05

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.4090	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	30	1/Discharge	Composite	ND < 1.0	U*
Oil & Grease	mg/L	15	1/Discharge	Grab	ND < 0.49	U*
pH (Field)	s.u.	6.5-8.5	1/Discharge	Grab	6.64	*
Total Suspended Solids <sup>#</sup>	mg/L	45	1/Discharge	Composite	ND < 0.83	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	µg/L	6.0	1/Discharge	Grab	ND < 0.33	U*
1,2-Dichloroethane	µg/L	0.5	1/Discharge	Grab	ND < 0.15	U*
2,4,6-Trichlorophenol	µg/L	13	1/Discharge	Composite	ND < 0.13	U*
2,4-Dinitrotoluene	µg/L	18	1/Discharge	Composite	ND < 0.11	U*
alpha-BHC	µg/L	0.03	1/Discharge	Composite	ND < 0.0012	U*
Antimony	µg/L	6.0	1/Year	ANR	ANR	ANR
Arsenic	µg/L	10.0	1/Year	ANR	ANR	ANR
Beryllium	µg/L	4.0	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	µg/L	4.0	1/Discharge	Composite	ND < 3.4	U*
Cadmium	µg/L	(4.0) 3.1	1/Discharge	Composite	ND < 0.13	U*
Chromium VI (Hexavalent)	µg/L	16	1/Year	ANR	ANR	ANR
Copper	µg/L	14	1/Discharge	Composite	1.5	J (DNQ*)
Cyanide	µg/L	8.5	1/Discharge	Composite	ND < 2.5	U*
Lead	µg/L	5.2	1/Discharge	Composite	ND < 0.12	U*
Mercury	µg/L	0.1	1/Discharge	Composite	ND < 0.12	U*
Nickel	µg/L	94	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	µg/L	16	1/Discharge	Composite	ND < 0.18	U*
Pentachlorophenol	µg/L	16.5	1/Discharge	Composite	ND < 0.80	U*
Selenium	µg/L	(5) 8.2	1/Discharge	Composite	ND < 0.52	U*
Silver	µg/L	4.1	1/Year	ANR	ANR	ANR
Thallium	µg/L	2.0	1/Year	ANR	ANR	ANR
Trichloroethene	µg/L	5.0	1/Discharge	Grab	ND < 0.17	U*
Zinc	µg/L	119	1/Discharge	Composite	ND < 2.8	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	mg/L	10.1	1/Discharge	Composite	0.044	J (DNQ*)
Barium	mg/L	1.0	1/Year	ANR	ANR	ANR
Chloride	mg/L	150	1/Discharge	Composite	8.9	*
Chlorine, Total Residual (Field)	mg/L	0.1	1/Year	ANR	ANR	ANR
Chronic Toxicity	Pass or Fail and % Effect	Pass or % Effect <50	1st & 2nd rain event/Year	ANR	ANR	ANR
Detergents (as MBAS)	mg/L	0.5	1/Discharge	Composite	ND < 0.050	U*
Fluoride	mg/L	1.6	1/Year	ANR	ANR	ANR
Iron	mg/L	0.3	1/Discharge <sup>(1)</sup>	ANR	ANR	ANR
Manganese	µg/L	50	1/Year	ANR	ANR	ANR
Nitrate - N	mg/L	8	1/Discharge	Composite	0.18	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8	1/Discharge	Composite	0.18	*
Nitrite - N	mg/L	1	1/Discharge	Composite	ND < 0.043	U*
Perchlorate	µg/L	6.0	1/Discharge	Composite	ND < 0.91	U*
Settleable Solids <sup>#</sup>	mL/L	0.3	1/Discharge	Grab	ND < 0.10	U*
Sulfate	mg/L	300	1/Discharge	Composite	85	*
Temperature (Field)	Deg F	86	1/Discharge	Grab	53.1	*
Total Dissolved Solids	mg/L	950	1/Discharge	Composite	290	*
<b>REMAINING PRIORITY POLLUTANTS<sup>(p)</sup></b>						
1,1,1-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1,2-Trichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,1-Dichloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2,4-Trichlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,2-Dichloropropane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	µg/L	-	1/Year	ANR	ANR	ANR
1,3-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,3-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dichlorobenzene (VOC)	µg/L	-	1/Quarter	ANR	ANR	ANR
1,4-Dichlorobenzene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/29/2023 08:30 - 3/30/2023 08:05

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
2,4-Dichlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dimethylphenol	µg/L	-	1/Year	ANR	ANR	ANR
2,4-Dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2,6-Dinitrotoluene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(a)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloroethyl vinyl ether <sup>(m)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
2-Chloronaphthalene	µg/L	-	1/Year	ANR	ANR	ANR
2-Chlorophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
2-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
3,3'-Dichlorobenzidine	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDD	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDE	µg/L	-	1/Year	ANR	ANR	ANR
4,4'-DDT	µg/L	-	1/Year	ANR	ANR	ANR
4-Bromophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Chloro-3-methylphenol	µg/L	-	1/Year	ANR	ANR	ANR
4-Chlorophenyl phenyl ether	µg/L	-	1/Year	ANR	ANR	ANR
4-Nitrophenol	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthene	µg/L	-	1/Year	ANR	ANR	ANR
Acenaphthylene	µg/L	-	1/Year	ANR	ANR	ANR
Acrolein	µg/L	-	1/Quarter	ANR	ANR	ANR
Acrylonitrile	µg/L	-	1/Quarter	ANR	ANR	ANR
Aldrin	µg/L	-	1/Year	ANR	ANR	ANR
alpha-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1016	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1221	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1232	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1242	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1248	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1254	µg/L	-	1/Year	ANR	ANR	ANR
Aroclor 1260	µg/L	-	1/Year	ANR	ANR	ANR
Benzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Benzidine	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(a)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(b)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(g,h,i)perylene	µg/L	-	1/Year	ANR	ANR	ANR
Benzo(k)fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
beta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
beta-Endosulfan	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethoxy) Methane	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroethyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bis (2-Chloroisopropyl) Ether	µg/L	-	1/Year	ANR	ANR	ANR
Bromoform	µg/L	-	1/Quarter	ANR	ANR	ANR
Bromomethane (Methyl Bromide)	µg/L	-	1/Quarter	ANR	ANR	ANR
Butyl benzylphthalate	µg/L	-	1/Year	ANR	ANR	ANR
Carbon tetrachloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlordane	µg/L	-	1/Year	ANR	ANR	ANR
Chlorobenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Chlorodibromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloroform	µg/L	-	1/Quarter	ANR	ANR	ANR
Chloromethane (Methyl Chloride)	µg/L	-	1/Quarter	ANR	ANR	ANR
Chromium	µg/L	-	1/Year	ANR	ANR	ANR
Chromium III (Trivalent)	µg/L	-	1/Year	ANR	ANR	ANR
Chrysene	µg/L	-	1/Year	ANR	ANR	ANR
cis-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
delta-BHC	µg/L	-	1/Year	ANR	ANR	ANR
Dibenzo(a,h)anthracene	µg/L	-	1/Year	ANR	ANR	ANR
Dichlorobromomethane	µg/L	-	1/Quarter	ANR	ANR	ANR
Dieldrin	µg/L	-	1/Year	ANR	ANR	ANR
Diethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

3/29/2023 08:30 - 3/30/2023 08:05

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/29/2023 08:30 - 3/30/2023 08:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Dimethyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-butyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Di-n-octyl phthalate	µg/L	-	1/Year	ANR	ANR	ANR
Endosulfan sulfate	µg/L	-	1/Year	ANR	ANR	ANR
Endrin	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Endrin aldehyde <sup>(q)</sup>	µg/L	-	1/Year	ANR	ANR	ANR
Ethylbenzene	µg/L	-	1/Quarter	ANR	ANR	ANR
Fluoranthene	µg/L	-	1/Year	ANR	ANR	ANR
Fluorene	µg/L	-	1/Year	ANR	ANR	ANR
gamma-BHC (Lindane)	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor	µg/L	-	1/Year	ANR	ANR	ANR
Heptachlor epoxide	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobenzene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorobutadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachlorocyclopentadiene	µg/L	-	1/Year	ANR	ANR	ANR
Hexachloroethane	µg/L	-	1/Year	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Isophorone	µg/L	-	1/Year	ANR	ANR	ANR
m,p-Xylenes	µg/L	-	1/Year	ANR	ANR	ANR
Methylene chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Naphthalene (VOC)	µg/L	-	1/Year	ANR	ANR	ANR
Naphthalene (SVOC)	µg/L	-	1/Year	ANR	ANR	ANR
Nitrobenzene	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitroso-di-n-propylamine	µg/L	-	1/Year	ANR	ANR	ANR
N-Nitrosodiphenylamine	µg/L	-	1/Year	ANR	ANR	ANR
o-Xylene	µg/L	-	1/Year	ANR	ANR	ANR
Phenanthrene	µg/L	-	1/Year	ANR	ANR	ANR
Phenol	µg/L	-	1/Year	ANR	ANR	ANR
Pyrene	µg/L	-	1/Year	ANR	ANR	ANR
Tetrachloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toluene	µg/L	-	1/Quarter	ANR	ANR	ANR
Toxaphene	µg/L	-	1/Year	ANR	ANR	ANR
trans-1,2-Dichloroethene	µg/L	-	1/Quarter	ANR	ANR	ANR
trans-1,3-Dichloropropene	µg/L	-	1/Quarter	ANR	ANR	ANR
Trichlorofluoromethane	µg/L	-	1/Year	ANR	ANR	ANR
Vinyl chloride	µg/L	-	1/Quarter	ANR	ANR	ANR
Xylenes (Total)	µg/L	-	1/Year	ANR	ANR	ANR
<b>EFFLUENT MONITORING (NO LIMITATIONS) POLLUTANTS</b>						
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	-	1/Quarter	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	µg/L	-	1/Year	ANR	ANR	ANR
1,4-Dioxane	µg/L	-	1/Year	ANR	ANR	ANR
Boron	mg/L	-	1/Year	ANR	ANR	ANR
cis-1,2-Dichloroethene	µg/L	-	1/Year	ANR	ANR	ANR
Cobalt	µg/L	-	1/Year	ANR	ANR	ANR
Conductivity	µmhos/cm	-	1/Discharge	Grab	430	*
Cyclohexane	µg/L	-	1/Year	ANR	ANR	ANR
Diesel Range Organics (DRO C13-C28)	mg/L	-	1/Year	ANR	ANR	ANR
Dissolved Oxygen (Field)	mg/L	-	1/Discharge	Grab	16.90	*
E. Coli	mpn/100mL	-	1/Year	ANR	ANR	ANR
Gasoline Range Organics (GRO C4-C12)	mg/L	-	1/Year	ANR	ANR	ANR
Hardness (as CaCO3)	mg/L	-	1/Year	ANR	ANR	ANR
Monomethyl hydrazine	µg/L	-	1/Year	ANR	ANR	ANR
Total Organic Carbon	mg/L	-	1/Year	ANR	ANR	ANR
Turbidity	NTU	-	1/Discharge	Composite	0.20	*
Vanadium	µg/L	-	1/Year	ANR	ANR	ANR

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/29/2023 08:30 - 3/30/2023 08:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
<b>ADDITIONAL POLLUTANTS<sup>(2)</sup></b>						
Antimony, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Arsenic, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Barium, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Beryllium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Boron, dissolved	mg/L	-	Additional/Year	ANR	ANR	ANR
Cadmium, dissolved	µg/L	-	Additional/Discharge	Composite	0.25	J (DNQ*)
Chromium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Cobalt, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Copper, dissolved	µg/L	-	Additional/Discharge	Composite	1.6	J (DNQ*)
Hardness, Dissolved (as CaCO3)	mg/L	-	Additional/Year	ANR	ANR	ANR
Human Bacteroides	CEs/100mL	-	Additional/Year	ANR	ANR	ANR
Iron, dissolved	mg/L	-	Additional/Discharge <sup>(f)</sup>	ANR	ANR	ANR
Lead, dissolved	µg/L	-	Additional/Discharge	Composite	0.35	J (DNQ*)
Manganese, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Mercury, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 0.12	U*
Nickel, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Selenium, dissolved	µg/L	-	Additional/Discharge	Composite	0.79	J (DNQ*)
Silver, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Thallium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Vanadium, dissolved	µg/L	-	Additional/Year	ANR	ANR	ANR
Zinc, dissolved	µg/L	-	Additional/Discharge	Composite	ND < 2.8	U*

**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/6/2023 10:15 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD Equivalent (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	2.6E-07	4.2E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	2.4E-07	2.2E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.8E-07	5.1E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	3.1E-07	2.5E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	2.6E-07	1.0E-06	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.7E-07	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	2.4E-07	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.6E-07	8.2E-07	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.4E-07	2.6E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.5E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.8E-07	1.2E-06	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.5E-07	7.4E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.4E-07	5.0E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	2.2E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.7E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	2.8E-07	1.5E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	1.5E-07	2.1E-06	U (B)	ND
<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>								<b>ND</b>

**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/11/2023 08:45 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD Equivalent (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.5E-07	2.1E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	1.5E-07	8.5E-07	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.7E-07	3.4E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	2.3E-07	2.2E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	9.1E-08	5.8E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.4E-07	5.3E-07	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	8.6E-08	2.8E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.1E-07	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	9.1E-08	5.6E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.0E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.0E-07	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	8.2E-08	2.1E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.2E-07	4.3E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	2.4E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.6E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	2.7E-07	1.4E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	1.5E-07	1.5E-06	U (B)	ND
<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>								<b>ND</b>

**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**



**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/15/2023 09:45 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD Equivalent (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	4.2E-07	1.1E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	2.8E-07	3.3E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	3.2E-07	1.5E-06	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	3.2E-07	2.9E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	2.5E-07	1.1E-06	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	3.3E-07	1.4E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	2.3E-07	9.8E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.9E-07	1.3E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	2.4E-07	1.2E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	2.6E-07	8.6E-07	U (B)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.9E-07	9.0E-07	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	2.1E-07	8.8E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.3E-07	7.9E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	3.1E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	5.0E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	9.7E-07	9.5E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	2.9E-07	6.1E-06	U (B)	ND
<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>								<b>ND</b>

**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	1/21/2023 09:25 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD Equivalent (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.6E-07	2.6E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	2.2E-07	1.5E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	2.6E-07	8.2E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	2.6E-07	2.7E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.8E-07	7.0E-07	U (B)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	2.6E-07	1.1E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.6E-07	5.6E-07	U (B)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.3E-07	1.1E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.8E-07	1.0E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	3.1E-07	7.4E-07	U (B)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	2.0E-07	7.6E-07	U (B)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.6E-07	7.4E-07	U (B)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.3E-07	6.4E-07	U (B)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	3.2E-07	4.4E-07	UJ (*III)	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	4.5E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	4.4E-07	7.2E-06	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	3.5E-07	2.6E-06	U (B)	ND
<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>								<b>ND</b>

**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	2/26/2023 07:55 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD Equivalent (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	4.7E-07	9.5E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	3.0E-07	3.0E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	3.2E-07	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	3.2E-07	1.7E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	2.2E-07	1.0E-06	J (DNQ)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	3.1E-07	1.1E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	2.1E-07	5.1E-07	UJ (*III)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.8E-07	8.0E-07	UJ (*III)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	2.1E-07	8.6E-07	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	4.8E-07	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	2.4E-07	6.1E-07	UJ (*III)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.9E-07	3.8E-07	UJ (*III)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.7E-07	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	7.0E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	3.1E-07	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	6.5E-07	7.4E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	3.6E-07	5.9E-06	U (B)	ND
<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>								<b>ND</b>

**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/5/2023 07:55 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD Equivalent (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.1E-06	2.7E-05	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	4.9E-07	1.6E-05	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	5.2E-07	9.5E-06	J (DNQ)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	4.9E-07	8.9E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	3.4E-07	6.6E-06	J (DNQ)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	4.9E-07	8.0E-06	U (B)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	3.2E-07	6.8E-06	J (DNQ)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	4.3E-07	7.7E-06	U (B)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	3.1E-07	7.1E-06	U (B)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	3.3E-07	4.1E-06	J (DNQ)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	2.5E-07	3.4E-06	J (DNQ)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	2.7E-07	8.8E-06	J (DNQ)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	2.9E-07	5.1E-06	J (DNQ)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	6.8E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	1.3E-06	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	6.5E-07	1.6E-04	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	4.5E-07	3.4E-05	U (B)	ND
<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>								<b>ND</b>

**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/7/2023 09:10 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD Equivalent (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	4.0E-08	1.7E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	6.7E-08	1.1E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	6.2E-08	3.1E-07	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	4.3E-08	1.3E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	5.9E-08	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	4.4E-08	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	5.8E-08	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	4.0E-08	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	5.7E-08	4.6E-07	UJ (*III)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	3.1E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	8.5E-09	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	5.5E-08	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	9.9E-09	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	5.2E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	4.4E-09	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	2.7E-08	8.3E-06	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	8.1E-08	1.1E-06	U (B)	ND
<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>								<b>ND</b>

**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/16/2023 07:45 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD Equivalent (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.3E-07	5.0E-06	U (B)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	1.0E-07	4.2E-06	U (B)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.1E-07	1.7E-06	U (B)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	3.3E-08	2.0E-06	U (B)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	3.8E-08	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	3.1E-08	ND	U	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	3.9E-08	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	2.9E-08	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	4.2E-08	ND	U	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	1.7E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.6E-08	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	3.8E-08	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.8E-08	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	1.3E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	5.9E-09	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	2.1E-07	3.5E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	1.5E-07	8.9E-06	U (B)	ND
<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>								<b>ND</b>

**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/21/2023 10:25 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD Equivalent (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	1.0E-08	2.4E-06	UJ (*III)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	1.2E-08	1.2E-06	UJ (*III)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	1.3E-08	ND	U	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	1.4E-08	1.0E-06	J (DNQ)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.1E-08	ND	U	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	1.3E-08	3.9E-07	UJ (*III)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.1E-08	ND	U	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	1.2E-08	ND	U	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.2E-08	ND	U	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	1.5E-08	ND	U	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	7.3E-09	ND	U	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.1E-08	ND	U	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	8.3E-09	ND	U	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	1.4E-08	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	7.2E-09	ND	U	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	1.0E-07	3.7E-05	U (B)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	1.4E-08	4.7E-06	UJ (*III)	ND
<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>								<b>ND</b>

**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**

**OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	SAMPLE FREQUENCY	1998 WHO TEF	BEF GREAT LAKES WATER QUALITY INITIATIVE	UNITS	3/30/2023 08:05 (Composite)			
					LAB MDL	LAB RESULT	LABORATORY/ VALIDATION QUALIFIER	TCDD Equivalent (w/out DNQ Values)
1,2,3,4,6,7,8-HpCDD	1/Discharge	0.01	0.05	µg/L	7.8E-07	ND	UJ (L)	ND
1,2,3,4,6,7,8-HpCDF	1/Discharge	0.01	0.01	µg/L	5.3E-07	ND	UJ (L)	ND
1,2,3,4,7,8,9-HpCDF	1/Discharge	0.01	0.4	µg/L	5.7E-07	ND	UJ (L)	ND
1,2,3,4,7,8-HxCDD	1/Discharge	0.1	0.3	µg/L	5.9E-08	ND	UJ (L)	ND
1,2,3,4,7,8-HxCDF	1/Discharge	0.1	0.08	µg/L	1.4E-07	ND	UJ (L)	ND
1,2,3,6,7,8-HxCDD	1/Discharge	0.1	0.1	µg/L	6.2E-08	ND	UJ (L)	ND
1,2,3,6,7,8-HxCDF	1/Discharge	0.1	0.2	µg/L	1.3E-07	ND	UJ (L)	ND
1,2,3,7,8,9-HxCDD	1/Discharge	0.1	0.1	µg/L	5.5E-08	ND	UJ (L)	ND
1,2,3,7,8,9-HxCDF	1/Discharge	0.1	0.6	µg/L	1.3E-07	ND	UJ (L)	ND
1,2,3,7,8-PeCDD	1/Discharge	1.0	0.9	µg/L	3.5E-08	ND	UJ (L)	ND
1,2,3,7,8-PeCDF	1/Discharge	0.05	0.2	µg/L	1.2E-08	2.1E-06	J (L)	ND
2,3,4,6,7,8-HxCDF	1/Discharge	0.1	0.7	µg/L	1.1E-07	ND	UJ (L)	ND
2,3,4,7,8-PeCDF	1/Discharge	0.5	1.6	µg/L	1.2E-08	ND	UJ (L)	ND
2,3,7,8-TCDD	1/Discharge	1.0	1.0	µg/L	1.0E-07	ND	U	ND
2,3,7,8-TCDF	1/Discharge	0.1	0.8	µg/L	9.0E-09	ND	UJ (L)	ND
OCDD	1/Discharge	0.0001	0.01	µg/L	8.1E-06	ND	UJ (L)	ND
OCDF	1/Discharge	0.0001	0.02	µg/L	5.7E-06	ND	UJ (L)	ND
<b>TCDD TEQ w/out DNQ Values<sup>(4)</sup></b>								<b>ND</b>

**TCDD TEQ (PRIORITY POLLUTANTS) PERMIT LIMIT = 2.8E-08**



OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/6/2023 10:15 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.45 ± 1.36	2.12	UJ (B)
Gross Beta	pCi/L	50	1/Discharge	2.09 ± 0.735	0.911	--
Combined Radium-226 & Radium-228	pCi/L	5	1/Discharge	1.11 ± 0.543	NM	U
Strontium-90	pCi/L	8	1/Discharge	-0.0687 ± 0.164	0.311	U
Tritium	pCi/L	20,000	1/Discharge	-83.3 ± 157	307	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	3.70 ± 6.83	8.2	U
Uranium	pCi/L	20	1/Discharge	0.128 ± 0.1161	0.1120	--
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	1.92 ± 60.8	103	U

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/11/2023 08:45 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.784 ± 0.931	1.52	U
Gross Beta	pCi/L	50	1/Discharge	2.41 ± 0.710	0.776	--
Combined Radium-226 & Radium-228	pCi/L	5	1/Discharge	0.461 ± 0.309	NM	U
Strontium-90	pCi/L	8	1/Discharge	0.270 ± 0.218	0.34	U
Tritium	pCi/L	20,000	1/Discharge	-13.5 ± 164	300	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-4.92 ± 8.67	10.3	U
Uranium	pCi/L	20	1/Discharge	0.163 ± 0.1440	0.1430	--
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-15.3 ± 99.1	124	U

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/15/2023 09:45 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	2.61 ± 1.74	2.56	--
Gross Beta	pCi/L	50	1/Discharge	3.65 ± 0.934	0.985	--
Combined Radium-226 & Radium-228	pCi/L	5	1/Discharge	0.828 ± 0.465	NM	U
Strontium-90	pCi/L	8	1/Discharge	0.0237 ± 0.374	0.67	U
Tritium	pCi/L	20,000	1/Discharge	-36.0 ± 174	333	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	2.49 ± 6.71	8.23	U
Uranium	pCi/L	20	1/Discharge	0.260 ± 0.168	0.1460	--
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-15.0 ± 77.7	116	U

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/21/2023 09:25 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.000 ± 1.18	2.25	U
Gross Beta	pCi/L	50	1/Discharge	1.97 ± 0.726	0.949	--
Combined Radium-226 & Radium-228	pCi/L	5	1/Discharge	0.458 ± 0.268	NM	U
Strontium-90	pCi/L	8	1/Discharge	0.395 ± 0.252	0.384	--
Tritium	pCi/L	20,000	1/Discharge	-78.4 ± 144	277	U
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-2.57 ± 8.11	9.39	U
Uranium	pCi/L	20	1/Discharge	0.0800 ± 0.09358	0.1260	U
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	22.7 ± 87.0	89.2	U

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

				2/26/2023 07:55 (Composite)		
ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	-0.357 ± 1.20	2.61	U*
Gross Beta	pCi/L	50	1/Discharge	4.09 ± 1.08	1.18	*
Combined Radium-226 & Radium-228	pCi/L	5	1/Discharge	0.907 ± 0.608	NM	U
Strontium-90	pCi/L	8	1/Discharge	0.242 ± 0.496	0.850	U*
Tritium	pCi/L	20,000	1/Discharge	-75.2 ± 160	309	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	3.32 ± 8.01	10.2	U*
Uranium	pCi/L	20	1/Discharge	0.747 ± 0.306	0.190	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-60.8 ± 161	220	U*

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/5/2023 07:55 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	-0.865 ± 0.721	1.77	U*
Gross Beta	pCi/L	50	1/Discharge	0.660 ± 0.508	0.785	U*
Combined Radium-226 & Radium-228	pCi/L	5	1/Discharge	0.754 ± 0.474	NM	U
Strontium-90	pCi/L	8	1/Discharge	0.197 ± 0.262	0.436	U*
Tritium	pCi/L	20,000	1/Discharge	57.2 ± 147	261	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	4.23 ± 8.43	10.9	U*
Uranium	pCi/L	20	1/Discharge	0.643 ± 0.300	0.166	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	18.7 ± 94.5	173	U*

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/7/2023 09:10 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.30 ± 1.54	2.51	U*
Gross Beta	pCi/L	50	1/Discharge	1.80 ± 0.699	0.899	*
Combined Radium-226 & Radium-228	pCi/L	5	1/Discharge	0.832 ± 0.517	NM	U
Strontium-90	pCi/L	8	1/Discharge	0.000 ± 0.465	0.848	U*
Tritium	pCi/L	20,000	1/Discharge	86.5 ± 196	341	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	4.69 ± 11.3	14.5	U*
Uranium	pCi/L	20	1/Discharge	1.01 ± 0.380	0.191	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-13.0 ± 166	237	U*

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/16/2023 07:45 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.52 ± 1.78	2.90	U*
Gross Beta	pCi/L	50	1/Discharge	3.18 ± 0.858	0.918	*
Combined Radium-226 & Radium-228	pCi/L	5	1/Discharge	0.756 ± 0.421	NM	U
Strontium-90	pCi/L	8	1/Discharge	0.283 ± 0.432	0.724	U*
Tritium	pCi/L	20,000	1/Discharge	81.5 ± 150	259	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-7.52 ± 13.6	16.3	U*
Uranium	pCi/L	20	1/Discharge	0.370 ± 0.198	0.149	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	-56.3 ± 142	196	U*



OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/21/2023 10:25 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	1.78 ± 1.68	2.63	U*
Gross Beta	pCi/L	50	1/Discharge	1.63 ± 0.712	0.957	*
Combined Radium-226 & Radium-228	pCi/L	5	1/Discharge	0.718 ± 0.489	NM	U
Strontium-90	pCi/L	8	1/Discharge	0.269 ± 0.298	0.488	U*
Tritium	pCi/L	20,000	1/Discharge	-118 ± 213	409	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	1.62 ± 6.33	7.49	U*
Uranium	pCi/L	20	1/Discharge	0.773 ± 0.280	0.132	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	100 ± 58.0	50.5	*

OUTFALL 018  
DISCHARGE MONITORING DATA SUMMARY TABLE

FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/30/2023 08:05 (Composite)		
				RESULT	MDA	LABORATORY/ VALIDATION QUALIFIER
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Gross Alpha	pCi/L	15	1/Discharge	0.828 ± 1.58	2.75	U*
Gross Beta	pCi/L	50	1/Discharge	2.06 ± 0.724	0.901	*
Combined Radium-226 & Radium-228	pCi/L	5	1/Discharge	0.604 ± 0.401	NM	U
Strontium-90	pCi/L	8	1/Discharge	-0.228 ± 0.229	0.456	U*
Tritium	pCi/L	20,000	1/Discharge	-136 ± 215	420	U*
<b>ADDITIONAL POLLUTANTS</b>						
Cesium-137	pCi/L	200	1/Discharge	-1.40 ± 8.64	9.71	U*
Uranium	pCi/L	20	1/Discharge	0.987 ± 0.320	0.155	*
<b>ADDITIONAL POLLUTANTS WITHOUT LIMITS</b>						
Potassium-40	pCi/L	-	1/Discharge	32.5 ± 71.4	97.9	U*

**OUTFALL 018  
DISCHARGE MONITORING MASS SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/4/2023 14:00 - 1/6/2023 10:15		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	0.37313	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	4.0	--
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	ND	U
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	Composite	0.0011	J (DNQ)
Arsenic	LBS/DAY	9.83	1/Year	Composite	0.00081	J (DNQ)
Beryllium	LBS/DAY	3.93	1/Year	Composite	ND	U
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	Composite	0.00068	--
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.023	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U (B)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	Composite	0.0034	J (DNQ)
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	Composite	ND	U
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	Composite	ND	U
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	0.040	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	0.20	J (DNQ)
Barium	LBS/DAY	983	1/Year	Composite	0.11	--
Chloride	LBS/DAY	147,405	1/Discharge	Composite	15	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	Grab	0.0	*
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	0.28	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	Composite	ND	U
Iron	LBS/DAY	295	1/Discharge <sup>(r)</sup>	Composite	0.068	--
Manganese	LBS/DAY	49.1	1/Year	Composite	0.053	--
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	2.9	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	3.0	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	0.30	J (DNQ)
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	470	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	900	--

**OUTFALL 018  
DISCHARGE MONITORING MASS SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/9/2023 08:00 - 1/11/2023 08:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	4.8473	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	ND	U
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.089	--
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0061	J (DNQ)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	ND	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	1.7	J (DNQ)
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	130	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)</sup>	Composite	0.27	J (DNQ)
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	49	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	53	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	3.1	J (DNQ)
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	3,900	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	11,000	--

**OUTFALL 018  
DISCHARGE MONITORING MASS SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/14/2023 10:55 - 1/15/2023 09:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.7376	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	96 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.028	J (DNQ)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0033	J (DNQ)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	0.067	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	58	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	1.6	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)</sup>	Composite	2.9	--
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	14	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	16	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	1.0	J (DNQ)
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,100	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	3,200	--

**OUTFALL 018  
DISCHARGE MONITORING MASS SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	1/20/2023 09:45 - 1/21/2023 09:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.3030	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	43	--
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	7.0	J (DNQ)
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	20 <sup>(c)</sup>	J (DNQ)
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.016	J (DNQ)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	ND	U
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	0.40	J (DNQ)
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	58	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)</sup>	Composite	0.045	J (DNQ)
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	8.0	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	9.2	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	1.2	--
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,200	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	2,900	--

**OUTFALL 018  
DISCHARGE MONITORING MASS SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	2/24/2023 07:00 - 2/26/2023 07:55		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	3.4034	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	28	J (DNQ)
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	18	J (DNQ)
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	140 <sup>(c)</sup>	--
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.048	J (DNQ)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0051	J (DNQ)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U
Zinc	LBS/DAY	117	1/Discharge	Composite	0.085	J (DNQ)
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	310	--
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	1.7	J (DNQ)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)</sup>	ANR	ANR	ANR
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	3.1	J (DNQ)
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	3.1	--
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	5,100	--
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	12,000	--

**OUTFALL 018  
DISCHARGE MONITORING MASS SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/4/2023 08:20 - 3/5/2023 07:55		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.4925	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	19	J (DNQ*)
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	ND	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.020	J (DNQ*)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U*
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	0.0078 <sup>(e)</sup>	J (DNQ*)
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	ND	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	ND	U*
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	82	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	0.65	J (DNQ*)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)</sup>	ANR	ANR	ANR
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	3.9	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	3.9	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,100	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	3,000	*



**OUTFALL 018  
DISCHARGE MONITORING MASS SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/6/2023 07:45 - 3/7/2023 09:10		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.5518	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	ND	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.028	*
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U*
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U*
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	ND	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	0.76	J (DNQ*)
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	180	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	0.89	J (DNQ*)
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)</sup>	ANR	ANR	ANR
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	2.7	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	2.7	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,200	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	4,100	*

**OUTFALL 018  
DISCHARGE MONITORING MASS SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/13/2023 13:10 - 3/16/2023 07:45		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.3480	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	34	*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	ND	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.022	*
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U*
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U*
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	ND	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	0.46	J (DNQ*)
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	93	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)</sup>	ANR	ANR	ANR
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	2.2	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	2.2	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	930	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	2,900	*

**OUTFALL 018  
DISCHARGE MONITORING MASS SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/20/2023 10:15 - 3/21/2023 10:25		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.4119	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	14	*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	25 <sup>(c)</sup>	*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.021	J (DNQ*)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	0.0019	J (DNQ*)
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	0.0080 <sup>(f)</sup>	J (DNQ*)
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	ND	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	0.81	J (DNQ*)
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	180	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)</sup>	ANR	ANR	ANR
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	2.1	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	2.1	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,100	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	3,400	*

**OUTFALL 018  
DISCHARGE MONITORING MASS SUMMARY TABLE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

ANALYTE	UNITS	DAILY MAXIMUM PERMIT LIMIT	SAMPLE FREQUENCY	3/29/2023 08:30 - 3/30/2023 08:05		
				SAMPLE TYPE	RESULT	LABORATORY/ VALIDATION QUALIFIER
Flow**	MGD	117.83	1/Discharge	Meas	1.4090	*
<b>CONVENTIONAL POLLUTANTS</b>						
Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	LBS/DAY	29,481	1/Discharge	Composite	ND	U*
Oil & Grease	LBS/DAY	14,741	1/Discharge	Grab	ND	U*
Total Suspended Solids <sup>#</sup>	LBS/DAY	44,222	1/Discharge	Composite	ND	U*
<b>PRIORITY POLLUTANTS</b>						
1,1-Dichloroethene	LBS/DAY	5.9	1/Discharge	Grab	ND	U*
1,2-Dichloroethane	LBS/DAY	0.49	1/Discharge	Grab	ND	U*
2,4,6-Trichlorophenol	LBS/DAY	12.8	1/Discharge	Composite	ND	U*
2,4-Dinitrotoluene	LBS/DAY	17.7	1/Discharge	Composite	ND	U*
alpha-BHC	LBS/DAY	0.03	1/Discharge	Composite	ND	U*
Antimony	LBS/DAY	5.9	1/Year	ANR	ANR	ANR
Arsenic	LBS/DAY	9.83	1/Year	ANR	ANR	ANR
Beryllium	LBS/DAY	3.93	1/Year	ANR	ANR	ANR
Bis (2-Ethylhexyl) Phthalate	LBS/DAY	3.93	1/Discharge	Composite	ND	U*
Cadmium	LBS/DAY	(3.93) 3.05	1/Discharge	Composite	ND	U*
Chromium VI (Hexavalent)	LBS/DAY	15.72	1/Year	ANR	ANR	ANR
Copper	LBS/DAY	13.76	1/Discharge	Composite	0.018	J (DNQ*)
Cyanide	LBS/DAY	8.35	1/Discharge	Composite	ND	U*
Lead	LBS/DAY	5.11	1/Discharge	Composite	ND	U*
Mercury	LBS/DAY	0.1	1/Discharge	Composite	ND	U*
Nickel	LBS/DAY	92.4	1/Year	ANR	ANR	ANR
N-Nitrosodimethylamine	LBS/DAY	15.72	1/Discharge	Composite	ND	U*
Pentachlorophenol	LBS/DAY	16.22	1/Discharge	Composite	ND	U*
Selenium	LBS/DAY	(4.91) 8.06	1/Discharge	Composite	ND	U*
Silver	LBS/DAY	4.03	1/Year	ANR	ANR	ANR
TCDD TEQ_NoDNQ <sup>(4)</sup>	LBS/DAY	2.75E-08	1/Discharge	Composite	ND	U*
Thallium	LBS/DAY	1.97	1/Year	ANR	ANR	ANR
Trichloroethene	LBS/DAY	4.91	1/Discharge	Grab	ND	U*
Zinc	LBS/DAY	117	1/Discharge	Composite	ND	U*
<b>NON-CONVENTIONAL POLLUTANTS</b>						
Ammonia - N	LBS/DAY	9,925.3	1/Discharge	Composite	0.52	J (DNQ*)
Barium	LBS/DAY	983	1/Year	ANR	ANR	ANR
Chloride	LBS/DAY	147,405	1/Discharge	Composite	100	*
Chlorine, Total Residual (Field)	LBS/DAY	98.3	1/Year	ANR	ANR	ANR
Detergents (as MBAS)	LBS/DAY	491.4	1/Discharge	Composite	ND	U*
Fluoride	LBS/DAY	1,572.3	1/Year	ANR	ANR	ANR
Iron	LBS/DAY	295	1/Discharge <sup>(r)</sup>	ANR	ANR	ANR
Manganese	LBS/DAY	49.1	1/Year	ANR	ANR	ANR
Nitrate - N	LBS/DAY	7,862	1/Discharge	Composite	2.1	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	7,862	1/Discharge	Composite	2.1	*
Nitrite - N	LBS/DAY	983	1/Discharge	Composite	ND	U*
Perchlorate	LBS/DAY	5.9	1/Discharge	Composite	ND	U*
Sulfate	LBS/DAY	294,810	1/Discharge	Composite	1,000	*
Total Dissolved Solids	LBS/DAY	933,567	1/Discharge	Composite	3,400	*

**APPENDIX D**  
**First Quarter 2023 NPDES Permit Limit**  
**Exceedances and/or Non-Compliance**

**TABLE D  
SUMMARY OF PERMIT LIMIT EXCEEDANCES AND/OR NON-COMPLIANCE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

DAILY MAXIMUM BENCHMARK EXCEEDANCES AND/OR NON-COMPLIANCE							
OUTFALL	SAMPLE DATE	SAMPLE TYPE	ANALYTE	DAILY MAXIMUM BENCHMARK LIMIT	RESULT	UNITS	LABORATORY/ VALIDATION QUALIFIER
Outfall 001	01/06/2023	Comp	Iron	0.3	0.83	mg/L	--
Outfall 001	01/15/2023	Comp	Iron	0.3	3.6	mg/L	--
Outfall 001	02/26/2023	Comp	Iron	0.3	3.7	mg/L	--
Outfall 001	03/11/2023	Comp	Iron	0.3	1.9	mg/L	--
Outfall 002	01/02/2023	Comp	Iron	0.3	0.86	mg/L	--
Outfall 002	01/06/2023	Comp	Iron	0.3	0.93	mg/L	--
Outfall 002	01/15/2023	Comp	Iron	0.3	1.3	mg/L	--

DAILY MAXIMUM PERMIT LIMIT EXCEEDANCES AND/OR NON-COMPLIANCE							
OUTFALL	SAMPLE DATE	SAMPLE TYPE	ANALYTE	PERMIT LIMIT DAILY MAX	RESULT	UNITS	LABORATORY/ VALIDATION QUALIFIER
Outfall 010	01/11/2023	Comp	TCDD TEQ w/out DNQ	2.8E-08	4.6E-08	µg/L	*
Outfall 011	01/10/2023	Comp	Manganese	50	61	µg/L	--
Outfall 011	01/17/2023	Comp	Iron	0.3	0.78	mg/L	--
Outfall 011	02/25/2023	Comp	Manganese	50	79	µg/L	--
Outfall 011	02/25/2023	Comp	Iron	0.3	4.0	mg/L	--
Outfall 011	02/25/2023	Comp	Iron	295	570	lbs/day	--
Outfall 011	02/25/2023	Comp	TCDD TEQ w/out DNQ	2.8E-08	5.8E-08	µg/L	*
Outfall 011	03/16/2023	Comp	Iron	0.3	3.2	mg/L	--

**TABLE D  
SUMMARY OF PERMIT LIMIT EXCEEDANCES AND/OR NON-COMPLIANCE**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

SINGLE SAMPLE MAXIMUM RECEIVING WATER LIMIT EXCEEDANCES							
LOCATIONS	SAMPLE DATE	SAMPLE TYPE	ANALYTE	SINGLE SAMPLE MAXIMUM LIMIT	DAILY MAX RESULT	UNITS	LABORATORY/ VALIDATION QUALIFIER
Arroyo Simi (RSW-002)	01/01/2023	Grab	E. coli	235	31,000	MPN/100 ml	J (H)
Arroyo Simi (RSW-002)	01/03/2023	Grab	E. coli	235	2,400	MPN/100 ml	--
Arroyo Simi (RSW-002)	01/09/2023	Grab	E. coli	235	4,400	MPN/100 ml	J (H)
Arroyo Simi (RSW-002)	01/13/2023	Grab	E. coli	235	12,000	MPN/100 ml	J (H)
Arroyo Simi (RSW-002)	01/17/2023	Grab	E. coli	235	1,200	MPN/100 ml	J (H)
Outfall 002 (RSW-001)	01/01/2023	Grab	E. coli	235	490	MPN/100 ml	J (H)
Outfall 002 (RSW-001)	01/04/2023	Grab	E. coli	235	240	MPN/100 ml	J (H)
Outfall 002 (RSW-001)	01/05/2023	Grab	E. coli	235	520	MPN/100 ml	--

GEOMETRIC MEAN RECEIVING WATER LIMIT EXCEEDANCES							
LOCATIONS	SAMPLE DATES	SAMPLE TYPE	ANALYTE	GEOMEAN LIMIT	GEOMEAN RESULT	UNITS	LABORATORY/ VALIDATION QUALIFIER
Arroyo Simi (RSW-002)	01/01/2023-01/17/2023	Grab	E. coli	126	5,428	MPN/100 ml	*
Outfall 002 (RSW-001)	01/01/2023-01/06/2023	Grab	E. coli	126	246	MPN/100 ml	*

**APPENDIX E**  
**First Quarter 2023 Analytical Laboratory**  
**Reports, Chain of Custody Forms, and**  
**Validation Reports**  
**(Submitted Separately)**



**APPENDIX F**  
**First Quarter 2023 Reasonable**  
**Potential Analysis Tables**

## **APPENDIX F**

### **TABLE OF CONTENTS**

Reasonable Potential Analysis Summary Notes

Table F1 – Reasonable Potential Analysis – Priority Pollutants  
(Outfalls 001, 002, 011 and 018)

Table F2 – Reasonable Potential Analysis – Priority Pollutants  
(Outfalls 003-007, 009, and 010)

Table F3 – Reasonable Potential Analysis – Non-priority Pollutants  
(Outfalls 003-007, 009, and 010)

Table F4 – Reasonable Potential Analysis – Priority Pollutants  
(Outfall 008)

Table F5 – Reasonable Potential Analysis – Non-priority Pollutants  
(Outfall 008)

**REASONABLE POTENTIAL ANALYSIS SUMMARY NOTES  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

**Notes:**

1. The following Reasonable Potential Analysis (RPA) provides the analytical results as performed by the procedures outlined in *Reasonable Potential Analysis Methodology Technical Memo* (MWH and Flow Science, 2006).
2. The monitoring data set utilized to conduct the RPA consists of all applicable and relevant data from the present reporting quarter.
3. As directed by the CTR and the Regional Water Control Board 2,3,7,8-TCDD (Dioxin) values are to be expressed in NPDES permitting and this RPA as TCDD Total Equivalence units (TEQs). A TCDD TEQ is determined by multiplying each of the seventeen dioxin and furan congeners by their respective toxicity equivalency factor (TEF) and bioaccumulation equivalency factor (BEF) then summing the results of those products. For the purposes of this RPA, the resulting TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 26, of the NPDES Permit Effective April 1, 2015 (Water Board, 2015).
4. Data reported with qualifiers (e.g., J [DNQ] or R) are considered estimated or rejected and are not used in this RPA.
5. All of the following abbreviations and/or notes may not occur on every table.
6. Based on ORDER NO. R4-2015-0033, page E-2, Section I.C, only pollutants which do not have a final effluent limitation in the NPDES permit are included in this RPA analysis.

Definition of Acronyms, Abbreviations, and Terminology Used

>=	Greater than or equal to
*	Freshwater aquatic life criteria for metals are expressed as a function of total hardness (mg/L) in the water body. The equations are provided in the CTR, (US EPA, 2011). Values displayed correspond to a total hardness of 100 mg/l.
‡	Available data are below detection limits; detection limit is assigned for maximum effluent concentration (MEC) and is not applicable to compare against lowest water quality criteria concentration (C)
µg/L	Concentration units, micrograms per liter
All Data Qualified	All available monitoring data are qualified and no statistical analysis is performed.
Annual	The 2015 NPDES Permit requires annual monitoring.
ANR	Analysis not required; e.g., constituent or outfall was not required by the NPDES permit to be sampled and analyzed.
Available Data < DL	All available monitoring data that are not qualified are below detection limits.
B	Background
C	Concentration
CCC	Criterion Continuous Concentration
CMC	Criterion Maximum Concentration
CTR	California Toxics Rule
CV	Coefficient of Variation
DL	Detection Limit
EPA TSD	EPA's Technical Support Document for Water Quality Based Toxics Control, (see references).

**REASONABLE POTENTIAL ANALYSIS SUMMARY NOTES  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Definition of Acronyms, Abbreviations, and Terminology Used (Continued)

Fibers/L	Units for asbestos concentration, fibers per liter
HH O	Human Health criteria for consumption of Organisms only
HH W&OMEC	Maximum Observed Effluent Concentration
mg/L	Concentration units, milligrams per liter
Min	Minimum
MPN/100ml	Most probable number per 100 milliliters
NA	Not Applicable
Narrative	Water quality criteria are expressed as a narrative objective rather than a numeric objective, and therefore are not part of the statistical RPA calculations.
None	No available CTR or Basin Plan criteria.
pH Dependent	CTR Criteria are based on pH.
Discharge	The 2015 NPDES Permit requires monitoring once per discharge event.
Qualified Data	Data qualifier definitions are: (a) J- The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL), (b) UJ- The analyte was not detected in the sample at the detection limit /estimated detection limit (EDL), (c) Nondetect U with blank qualifier(B, F, T) - Analyte found in sample and associated blank, and (d) DNQ- Detected Not Quantified (sample results less than the RL, but great than or equal to the laboratory's MDL)
Reserved	EPA has reserved the CTR criteria.
RPA	Reasonable Potential Analysis
SIP	The State Water Resources Control Board "Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California," (see references).
Tot	Total

Priority Pollutant RPA Column Explanation

OUTFALL	Outfall (or group of outfalls) with sampling data used in RPA.
CTR	Provides CTR constituent reference number.
Constituent	Provides CTR constituent common name.
Units	Provides the data set's concentration units as referenced by 2015 NPDES Permit.
MEC	Provides the outfall monitoring group's maximum value from the applicable data set.
CV	Equal to the standard deviation divided by the average of the applicable data set. If the number of samples is less than 10, the CV is assumed to be 0.6. NA for Qualified Data and Available Data < DL.
<i>Step 1 identifies all applicable water quality criteria.</i>	
CTR Criteria	Concentration criteria as listed in the CTR.
CMC = Acute	The Freshwater CMC is listed as the acute concentration criterion.
CCC = Chronic	The Freshwater CCC is listed as the chronic concentration criterion.
HH W&O (Not App)	The HH W&O is deemed not applicable based on past Regional Board RPAs.
HH O = HH	The HH O is listed as the CTR human health concentration criterion.

**REASONABLE POTENTIAL ANALYSIS SUMMARY NOTES  
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Priority Pollutant RPA Column Explanation (Continued)

Basin Plan Criteria	Applicable Basin Plan Criteria are listed for the Los Angeles River and/or Calleguas Creek watersheds.
C = Lowest Criteria	The comparison concentration (C) is equal to the lowest criterion for a constituent based on the CMC, CCC, HH O, and Basin Plan Criteria listed.
<i>Step 2 defines the applicable data set.</i>	
Is Effluent Data Available	If all data is qualified, then NO. If not, then YES.
<i>Step 3 determines the maximum observed effluent concentration.</i>	
Was Constituent Detected in Effluent Data	If the constituent was detected, then YES. If all monitoring data are non-detect or qualified then NO.
Are all Detection Limits >C	If constituent was detected in effluent data then not applicable (NA). If constituent was not detected and all analysis detection limits are greater than the comparison concentration, then YES, if not then NO.
If DL > C, MEC = Min (DL)	If the previous cell answer was yes, then the MEC is equal to the minimum detection limit. If not, then NA.
<i>Step 4 compares the MEC to the lowest applicable water quality criteria.</i>	
MEC >= C	If the MEC is greater than or equal to the comparison concentration then YES, if not then NO.

Note: Steps 5 and 6 of the Priority Pollutant RPA do not apply to the Santa Susana Site because the Regional Board gives no consideration for receiving water background constituent concentrations. Furthermore, Boeing defers the application of best professional judgment in Step 7 and final determination of reasonable potential in Step 8 to the Regional Board Staff.

Non-priority Pollutant RPA Column Explanation

Constituent	Provides the Non-Priority Pollutant constituent common name
Monitoring	Provides the 2015 NPDES Permit directed monitoring frequency
Units	Provides the data set's concentration units
Number of Samples	Provides the number of available samples that are not qualified
MEC	Provides the outfall monitoring group's maximum value from the applicable data set
CV	Equal to the standard deviation divided by the average of the applicable data set. If the number of samples is less than 10, the CV is assumed to be 0.6.
Multiplier	Utilizes the EPA's TSD calculation to determine multiplier for which the maximum effluent concentration is calculated. (MWH and Flow Science, 2006, or EPA TSD, 1991)
Projected Maximum Effluent Concentration	Utilizes the product of the multiplier and the MEC as an estimate for the projected maximum effluent concentration.
99/99	Statistical technique used in the Environmental Protection Agency's Technical Support Document RPA to compute the upper 99th confidence range of the 99th % value of the log normal distribution of monitoring data.
Dilution Ratio	The Regional Board allocates no dilution ratio to the Santa Susana Site (NA).
Background Concentration	The Regional Board allocates no background concentration to the Santa Susana Site (NA).
Projected Maximum Receiving Water Concentration	The Regional Board estimates the projected maximum receiving water concentration as equal to the projected maximum effluent concentration.

**REASONABLE POTENTIAL ANALYSIS SUMMARY NOTES  
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Non-priority Pollutant RPA Column Explanation (Continued)

Step 1, Determine Water Quality Objectives	The water quality objective is based on appropriate Basin Plan criteria as noted in the Reasonable Potential Analysis Methodology Technical Memo.
BU – Beneficial Use Protection, NC – Human Non-carcinogen, AP- Aquatic Life Protection, TMDL – Total Maximum Daily Load	This is the Regional Board’s Basis for determining if reasonable potential should be evaluated for a non-priority pollutant.

Note: Boeing has completed appropriate statistical calculations but defers the application of best professional judgment and the final determination of reasonable potential to the Regional Board Staff.

**REASONABLE POTENTIAL ANALYSIS SUMMARY NOTES  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

References:

1. Los Angeles Regional Water Quality Control Board, "Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties, (Basin Plan)." June 13, 1994.
2. MWH and Flow Science, "Reasonable Potential Analysis Methodology Technical Memo- Version 1, Final, Santa Susan Field Laboratory, Ventura County, California." April 28, 2006.
3. State Water Resources Control Board, "Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California, (SIP)" Resolution No. 2005-0019, February 24, 2005.
4. US EPA, *40CFR part 131, Water Quality Standards; Establishment of numeric Criteria for Priority Toxic Pollutants for the State of California*, (CTR) Federal Registry, 2011, pp. 496 - 507.
5. US EPA, "Technical Support Document for Water Quality-based Toxics Control." EPA/505/2-90-001, PB-91-127415, March 1991.

**TABLE F-1  
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 001, 002, 011, AND 018)**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C				Basin Plan	C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C
						CTR CRITERIA							Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	
						Freshwater		Human Health								
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
1, 2, 11, 18	17	Acrolein	µg/L	Available Data <DL	0.6	NONE	NONE	320	780	NONE	780	Yes	No	No	NA	No
1, 2, 11, 18	18	Acrylonitrile	µg/L	Available Data <DL	0.6	NONE	NONE	0.059	0.66	NONE	0.66	Yes	No	Yes	1.4	NA‡
1, 2, 11, 18	19	Benzene	µg/L	Available Data <DL	0.6	NONE	NONE	1.2	71	1	1	Yes	No	No	NA	No
1, 2, 11, 18	20	Bromoform	µg/L	Available Data <DL	0.6	NONE	NONE	4.3	360	NONE	360	Yes	No	No	NA	No
1, 2, 11, 18	21	Carbon Tetrachloride	µg/L	Available Data <DL	0.6	NONE	NONE	0.25	4.4	0.5	0.5	Yes	No	No	NA	No
1, 2, 11, 18	22	Chlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	680	21,000	70	70	Yes	No	No	NA	No
1, 2, 11, 18	23	Dibromochloromethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.401	34	NONE	34	Yes	No	No	NA	No
1, 2, 11, 18	24	Chloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	25	2-Chloroethyl vinyl ether	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	26	Chloroform (Trichloromethane)	µg/L	Available Data <DL	0.6	NONE	NONE	Reserved	Reserved	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	27	Dichlorobromomethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.56	46	NONE	46	Yes	No	No	NA	No
1, 2, 11, 18	28	1,1-Dichloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA	No
1, 2, 11, 18	31	1,2-Dichloropropane	µg/L	Available Data <DL	0.6	NONE	NONE	0.52	39	5	5	Yes	No	No	NA	No
1, 2, 11, 18	32	cis-1,3-Dichloropropene	µg/L	Available Data <DL	0.6	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
1, 2, 11, 18	32a	trans-1,3-Dichloropropene	µg/L	Available Data <DL	0.6	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
1, 2, 11, 18	33	Ethylbenzene	µg/L	Available Data <DL	0.6	NONE	NONE	3,100	29,000	700	700	Yes	No	No	NA	No
1, 2, 11, 18	34	Bromomethane	µg/L	Available Data <DL	0.6	NONE	NONE	48	4,000	NONE	4,000	Yes	No	No	NA	No
1, 2, 11, 18	35	Chloromethane (Methyl Chloride)	µg/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	36	Methylene chloride	µg/L	Available Data <DL	0.6	NONE	NONE	4.7	1,600	NONE	1,600	Yes	No	No	NA	No
1, 2, 11, 18	37	1,1,2,2-Tetrachloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.17	11	1	1	Yes	No	No	NA	No
1, 2, 11, 18	38	Tetrachloroethene	µg/L	Available Data <DL	0.6	NONE	NONE	0.8	8.85	5	5	Yes	No	No	NA	No
1, 2, 11, 18	39	Toluene	µg/L	Available Data <DL	0.6	NONE	NONE	6,800	200,000	150	150	Yes	No	No	NA	No
1, 2, 11, 18	40	trans-1,2-Dichloroethene	µg/L	Available Data <DL	0.6	NONE	NONE	700	140,000	10	10	Yes	No	No	NA	No
1, 2, 11, 18	41	1,1,1-Trichloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
1, 2, 11, 18	42	1,1,2-Trichloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.60	42	5	5	Yes	No	No	NA	No
1, 2, 11, 18	44	Vinyl chloride	µg/L	Available Data <DL	0.6	NONE	NONE	2	525	0.5	0.5	Yes	No	No	NA	No
1, 2, 11, 18	45	2-Chlorophenol	µg/L	Available Data <DL	0.6	NONE	NONE	120	400	NONE	400	Yes	No	No	NA	No
1, 2, 11, 18	46	2,4-Dichlorophenol	µg/L	Available Data <DL	0.6	NONE	NONE	93	790	NONE	790	Yes	No	No	NA	No
1, 2, 11, 18	47	2,4-Dimethylphenol	µg/L	Available Data <DL	0.6	NONE	NONE	540	2,300	NONE	2,300	Yes	No	No	NA	No
1, 2, 11, 18	48	2-Methyl-4,6-dinitrophenol	µg/L	Available Data <DL	0.6	NONE	NONE	13.4	765	NONE	765	Yes	No	No	NA	No
1, 2, 11, 18	49	2,4-Dinitrophenol	µg/L	Available Data <DL	0.6	NONE	NONE	70	14,000	NONE	14,000	Yes	No	No	NA	No
1, 2, 11, 18	50	2-Nitrophenol	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	51	4-Nitrophenol	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	52	4-Chloro-3-methylphenol	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	54	Phenol	µg/L	Available Data <DL	0.6	NONE	NONE	21,000	4,600,000	NONE	4,600,000	Yes	No	No	NA	No
1, 2, 11, 18	56	Acenaphthene	µg/L	Available Data <DL	0.6	NONE	NONE	1,200	2,700	NONE	2,700	Yes	No	No	NA	No
1, 2, 11, 18	57	Acenaphthylene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	58	Anthracene	µg/L	Available Data <DL	0.6	NONE	NONE	9,600	110,000	NONE	110,000	Yes	No	No	NA	No
1, 2, 11, 18	59	Benzidine	µg/L	Available Data <DL	0.6	NONE	NONE	0.00012	0.00054	NONE	0.00054	Yes	No	Yes	2.6	NA‡
1, 2, 11, 18	60	Benzo(a)Anthracene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.120	NA‡
1, 2, 11, 18	61	Benzo(a)Pyrene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	0.2	0.049	Yes	No	Yes	0.15	NA‡
1, 2, 11, 18	62	Benzo(b)Fluoranthene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.11	NA‡
1, 2, 11, 18	63	Benzo(g,h,i)Perylene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	64	Benzo(k)Fluoranthene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.11	NA‡
1, 2, 11, 18	65	Bis (2-Chloroethoxy) methane	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	66	Bis (2-Chloroethyl) ether	µg/L	Available Data <DL	0.6	NONE	NONE	0.0310	1.4	NONE	1.4	Yes	No	No	NA	No
1, 2, 11, 18	67	Bis (2-Chloroisopropyl) Ether	µg/L	Available Data <DL	0.6	NONE	NONE	1,400	170,000	NONE	170,000	Yes	No	No	NA	No
1, 2, 11, 18	69	4-Bromophenyl phenyl ether	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	70	Butyl benzylphthalate	µg/L	Available Data <DL	0.6	NONE	NONE	3,000	5,200	NONE	5,200	Yes	No	No	NA	No



**TABLE F-1  
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 001, 002, 011, AND 018)**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C				Basin Plan	C = Lowest Criteria	Is Effluent Data Available	Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	Step 4 MEC >= C
						CTR CRITERIA										
						Freshwater		Human Health								
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
1, 2, 11, 18	71	2-Chloronaphthalene	µg/L	Available Data <DL	0.6	NONE	NONE	1,700	4,300	NONE	4,300	Yes	No	No	NA	No
1, 2, 11, 18	72	4-Chlorophenyl phenyl ether	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	73	Chrysene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.11	NA‡
1, 2, 11, 18	74	Dibenz(a,h)anthracene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.15	NA‡
1, 2, 11, 18	75	1,2-Dichlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	2,700	17,000	600	600	Yes	No	No	NA	No
1, 2, 11, 18	76	1,3-Dichlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	400	2,600	NONE	2,600	Yes	No	No	NA	No
1, 2, 11, 18	77	1,4-Dichlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	400	2,600	5	5	Yes	No	No	NA	No
1, 2, 11, 18	78	3,3'-Dichlorobenzidine	µg/L	Available Data <DL	0.6	NONE	NONE	0.04	0.077	NONE	0.077	Yes	No	Yes	2.9	NA‡
1, 2, 11, 18	79	Diethyl phthalate	µg/L	Available Data <DL	0.6	NONE	NONE	23,000	120,000	NONE	120,000	Yes	No	No	NA	No
1, 2, 11, 18	80	Dimethyl phthalate	µg/L	Available Data <DL	0.6	NONE	NONE	313,000	2,900,000	NONE	2,900,000	Yes	No	No	NA	No
1, 2, 11, 18	81	Di-n-butyl phthalate	µg/L	Available Data <DL	0.6	NONE	NONE	2,700	12,000	NONE	12,000	Yes	No	No	NA	No
1, 2, 11, 18	83	2,6-Dinitrotoluene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	84	Di-n-octyl phthalate	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	85	1,2-Diphenylhydrazine/Azobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	0.040	0.54	NONE	0.54	Yes	No	No	NA	No
1, 2, 11, 18	86	Fluoranthene	µg/L	Available Data <DL	0.6	NONE	NONE	300	370	NONE	370	Yes	No	No	NA	No
1, 2, 11, 18	87	Fluorene	µg/L	Available Data <DL	0.6	NONE	NONE	1,300	14,000	NONE	14,000	Yes	No	No	NA	No
1, 2, 11, 18	88	Hexachlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	0.00075	0.00077	1	0.00077	Yes	No	Yes	0.13000	NA‡
1, 2, 11, 18	89	Hexachlorobutadiene	µg/L	Available Data <DL	0.6	NONE	NONE	0.44	50	NONE	50	Yes	No	No	NA	No
1, 2, 11, 18	90	Hexachlorocyclopentadiene	µg/L	Available Data <DL	0.6	NONE	NONE	240	17,000	50	50	Yes	No	No	NA	No
1, 2, 11, 18	91	Hexachloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	1.9	8.9	NONE	8.9	Yes	No	No	NA	No
1, 2, 11, 18	92	Indeno(1,2,3-cd)Pyrene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.12	NA‡
1, 2, 11, 18	93	Isophorone	µg/L	Available Data <DL	0.6	NONE	NONE	8.4	600	NONE	600	Yes	No	No	NA	No
1, 2, 11, 18	94	Naphthalene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	95	Nitrobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	17	1,900	NONE	1,900	Yes	No	No	NA	No
1, 2, 11, 18	97	n-Nitroso-di-n-propylamine	µg/L	Available Data <DL	0.6	NONE	NONE	0.005	1.4	NONE	1.4	Yes	No	No	NA	No
1, 2, 11, 18	98	N-Nitrosodiphenylamine	µg/L	Available Data <DL	0.6	NONE	NONE	5.0	16	NONE	16	Yes	No	No	NA	No
1, 2, 11, 18	99	Phenanthrene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
1, 2, 11, 18	100	Pyrene	µg/L	Available Data <DL	0.6	NONE	NONE	960	11,000	NONE	11,000	Yes	No	No	NA	No
1, 2, 11, 18	101	1,2,4-Trichlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	70	70	Yes	No	No	NA	No
1, 2, 11, 18	102	Aldrin	µg/L	Available Data <DL	0.6	3	NONE	0.00013	0.00014	NONE	0.00014	Yes	No	Yes	0.0031	NA‡
1, 2, 11, 18	104	beta-BHC	µg/L	Available Data <DL	0.6	NONE	NONE	0.014	0.046	NONE	0.046	Yes	No	No	NA	No
1, 2, 11, 18	105	gamma-BHC (Lindane)	µg/L	Available Data <DL	0.6	0.95	NONE	0.019	0.063	0.2	0.063	Yes	No	No	NA	No
1, 2, 11, 18	107	Chlordane	µg/L	Available Data <DL	0.6	2.4	0.0043	0.00057	0.00059	0.1	0.00059	Yes	No	Yes	0.026	NA‡
1, 2, 11, 18	108	4,4'-DDT	µg/L	Available Data <DL	0.6	1.1	0.001	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.0016	NA‡
1, 2, 11, 18	109	4,4'-DDE	µg/L	Available Data <DL	0.6	NONE	NONE	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.0019	NA‡
1, 2, 11, 18	110	4,4'-DDD	µg/L	Available Data <DL	0.6	NONE	NONE	0.00083	0.00084	NONE	0.00084	Yes	No	Yes	0.0044	NA‡
1, 2, 11, 18	111	Dieldrin	µg/L	Available Data <DL	0.6	0.24	0.056	0.00014	0.00014	NONE	0.00014	Yes	No	Yes	0.00130	NA‡
1, 2, 11, 18	112	alpha-Endosulfan	µg/L	Available Data <DL	0.6	0.22	0.056	110	240	NONE	0.056	Yes	No	No	NA	No
1, 2, 11, 18	113	beta-Endosulfan	µg/L	Available Data <DL	0.6	0.22	0.056	110	240	NONE	0.056	Yes	No	No	NA	No
1, 2, 11, 18	114	Endosulfan Sulfate	µg/L	Available Data <DL	0.6	NONE	NONE	110	240	NONE	240	Yes	No	No	NA	No
1, 2, 11, 18	115	Endrin	µg/L	Available Data <DL	0.6	0.086	0.036	0.76	0.81	2	0.036	Yes	No	No	NA	No
1, 2, 11, 18	116	Endrin Aldehyde	µg/L	Available Data <DL	0.6	NONE	NONE	0.76	0.81	NONE	0.81	Yes	No	No	NA	No
1, 2, 11, 18	117	Heptachlor	µg/L	Available Data <DL	0.6	0.52	0.0038	0.00021	0.00021	0.01	0.00021	Yes	No	Yes	0.0012	NA‡
1, 2, 11, 18	118	Heptachlor Epoxide	µg/L	Available Data <DL	0.6	0.52	0.0038	0.00010	0.00011	0.01	0.00011	Yes	No	Yes	0.00390	NA‡
1, 2, 11, 18	119	Aroclor 1016	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.04400	NA‡
1, 2, 11, 18	120	Aroclor 1221	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.04400	NA‡
1, 2, 11, 18	121	Aroclor 1232	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.04400	NA‡
1, 2, 11, 18	122	Aroclor 1242	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.04400	NA‡
1, 2, 11, 18	123	Aroclor 1248	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.04400	NA‡

**TABLE F-1  
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 001, 002, 011, AND 018)**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C				Basin Plan	C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C
						CTR CRITERIA							Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	
						Freshwater		Human Health								
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
1, 2, 11, 18	124	Aroclor 1254	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.04400	NA‡
1, 2, 11, 18	125	Aroclor 1260	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.04400	NA‡
1, 2, 11, 18	126	Toxaphene	µg/L	Available Data <DL	0.6	0.73	0.0002	0.00073	0.00075	3	0.0002	Yes	No	Yes	0.0540	NA‡

**TABLE F-2  
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 003-007, 009, AND 010)**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C				Basin Plan	C = Lowest Criteria	Is Effluent Data Available	Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	Step 4 MEC >= C
						CTR CRITERIA										
						Freshwater		Human Health								
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
3-7, 9, 10	2	Arsenic	µg/L	1.5	0.6	340	150	NONE	NONE	50	50	Yes	Yes	NA	NA	No
3-7, 9, 10	3	Beryllium	µg/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	4	4	Yes	No	No	NA	No
3-7, 9, 10	5a	Chromium III	µg/L	Available Data <DL	0.6	550	180	Narrative	Narrative	50	50	Yes	No	NA	NA	No
3-7, 9, 10	5b	Chromium VI (Hexavalent)	µg/L	All Data Qualified	0.6	16	11	Narrative	Narrative	NONE	11	No	No	No	NA	No
3-7, 9, 10	10	Selenium	µg/L	Available Data <DL	0.6	Reserved	5	Narrative	Narrative	50	5	Yes	No	No	NA	No
3-7, 9, 10	11	Silver	µg/L	Available Data <DL	0.6	3.4	NONE	NONE	NONE	NONE	3.4	Yes	No	No	NA	No
3-7, 9, 10	15	Asbestos > 10 um	Fibers/L	Available Data <DL	0.6	NONE	NONE	7,000,000	NONE	7,000,000	7,000,000	Yes	No	No	NA	No
3-7, 9, 10	17	Acrolein	µg/L	Available Data <DL	0.6	NONE	NONE	320	780	NONE	780	Yes	No	No	NA	No
3-7, 9, 10	18	Acrylonitrile	µg/L	Available Data <DL	0.6	NONE	NONE	0.059	0.66	NONE	0.66	Yes	No	Yes	1.4	NA <sup>†</sup>
3-7, 9, 10	19	Benzene	µg/L	Available Data <DL	0.6	NONE	NONE	1.2	71	1	1	Yes	No	No	NA	No
3-7, 9, 10	20	Bromoform	µg/L	Available Data <DL	0.6	NONE	NONE	4.3	360	NONE	360	Yes	No	No	NA	No
3-7, 9, 10	21	Carbon Tetrachloride	µg/L	Available Data <DL	0.6	NONE	NONE	0.25	4.4	0.5	0.5	Yes	No	No	NA	No
3-7, 9, 10	22	Chlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	680	21,000	70	70	Yes	No	No	NA	No
3-7, 9, 10	23	Dibromochloromethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.401	34	NONE	34	Yes	No	No	NA	No
3-7, 9, 10	24	Chloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	25	2-Chloroethyl vinyl ether	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	26	Chloroform	µg/L	Available Data <DL	0.6	NONE	NONE	Reserved	Reserved	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	27	Dichlorobromomethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.56	46	NONE	46	Yes	No	No	NA	No
3-7, 9, 10	28	1,1-Dichloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA	No
3-7, 9, 10	29	1,2-Dichloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.38	99	0.5	0.5	Yes	No	No	NA	No
3-7, 9, 10	30	1,1-Dichloroethene	µg/L	Available Data <DL	0.6	NONE	NONE	0.057	3.2	6	3.2	Yes	No	No	NA	No
3-7, 9, 10	31	1,2-Dichloropropane	µg/L	Available Data <DL	0.6	NONE	NONE	0.52	39	5	5	Yes	No	No	NA	No
3-7, 9, 10	32	cis-1,3-Dichloropropene	µg/L	Available Data <DL	0.6	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
3-7, 9, 10	32a	trans-1,3-Dichloropropene	µg/L	Available Data <DL	0.6	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
3-7, 9, 10	33	Ethylbenzene	µg/L	Available Data <DL	0.6	NONE	NONE	3,100	29,000	700	700	Yes	No	No	NA	No
3-7, 9, 10	34	Bromomethane	µg/L	Available Data <DL	0.6	NONE	NONE	48	4,000	NONE	4,000	Yes	No	No	NA	No
3-7, 9, 10	35	Chloromethane (Methyl Chloride)	µg/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	36	Methylene chloride	µg/L	Available Data <DL	0.6	NONE	NONE	4.7	1,600	NONE	1,600	Yes	No	No	NA	No
3-7, 9, 10	37	1,1,2,2-Tetrachloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.17	11	1	1	Yes	No	No	NA	No
3-7, 9, 10	38	Tetrachloroethene	µg/L	Available Data <DL	0.6	NONE	NONE	0.8	8.85	5	5	Yes	No	No	NA	No
3-7, 9, 10	39	Toluene	µg/L	Available Data <DL	0.6	NONE	NONE	6,800	200,000	150	150	Yes	No	No	NA	No
3-7, 9, 10	40	trans-1,2-Dichloroethene	µg/L	Available Data <DL	0.6	NONE	NONE	700	140,000	10	10	Yes	No	No	NA	No
3-7, 9, 10	41	1,1,1-Trichloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
3-7, 9, 10	42	1,1,2-Trichloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.6	42	5	5	Yes	No	No	NA	No
3-7, 9, 10	43	Trichloroethene	µg/L	Available Data <DL	0.6	NONE	NONE	2.7	81	5	5	Yes	No	No	NA	No
3-7, 9, 10	44	Vinyl chloride	µg/L	Available Data <DL	0.6	NONE	NONE	2	525	0.5	0.5	Yes	No	No	NA	No
3-7, 9, 10	45	2-Chlorophenol	µg/L	Available Data <DL	0.6	NONE	NONE	120	400	NONE	400	Yes	No	No	NA	No
3-7, 9, 10	46	2,4-Dichlorophenol	µg/L	Available Data <DL	0.6	NONE	NONE	93	790	NONE	790	Yes	No	No	NA	No
3-7, 9, 10	47	2,4-Dimethylphenol	µg/L	Available Data <DL	0.6	NONE	NONE	540	2,300	NONE	2,300	Yes	No	No	NA	No
3-7, 9, 10	48	2-Methyl-4,6-dinitrophenol	µg/L	Available Data <DL	0.6	NONE	NONE	13.4	765	NONE	765	Yes	No	No	NA	No
3-7, 9, 10	49	2,4-Dinitrophenol	µg/L	Available Data <DL	0.6	NONE	NONE	70	14,000	NONE	14,000	Yes	No	No	NA	No
3-7, 9, 10	50	2-Nitrophenol	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	51	4-Nitrophenol	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	52	4-Chloro-3-methylphenol	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	53	Pentachlorophenol	µg/L	Available Data <DL	0.6	pH dependent	pH dependent	0.28	8.2	1	1	Yes	No	No	NA	No
3-7, 9, 10	54	Phenol	µg/L	Available Data <DL	0.6	NONE	NONE	21,000	4,600,000	NONE	4,600,000	Yes	No	No	NA	No

**TABLE F-2  
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 003-007, 009, AND 010)**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C				Basin Plan	C = Lowest Criteria	Is Effluent Data Available	Step 3			MEC >= C
						CTR CRITERIA							Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	
						Freshwater		Human Health								
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
3-7, 9, 10	55	2,4,6-Trichlorophenol	µg/L	Available Data <DL	0.6	NONE	NONE	2.1	6.5	NONE	6.5	Yes	No	No	NA	No
3-7, 9, 10	56	Acenaphthene	µg/L	Available Data <DL	0.6	NONE	NONE	1,200	2,700	NONE	2,700	Yes	No	No	NA	No
3-7, 9, 10	57	Acenaphthylene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	58	Anthracene	µg/L	Available Data <DL	0.6	NONE	NONE	9,600	110,000	NONE	110,000	Yes	No	No	NA	No
3-7, 9, 10	59	Benzdine	µg/L	Available Data <DL	0.6	NONE	NONE	0.00012	0.00054	NONE	0.00054	Yes	No	Yes	2.8	NA <sup>†</sup>
3-7, 9, 10	60	Benzo(a)Anthracene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.130	NA <sup>†</sup>
3-7, 9, 10	61	Benzo(a)Pyrene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	0.2	0.049	Yes	No	Yes	0.160	NA <sup>†</sup>
3-7, 9, 10	62	Benzo(b)Fluoranthene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	0.11	NA	NA <sup>†</sup>
3-7, 9, 10	63	Benzo(g,h,i)Perylene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	64	Benzo(k)Fluoranthene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.120	NA <sup>†</sup>
3-7, 9, 10	65	Bis (2-Chloroethoxy) methane	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	66	Bis (2-Chloroethyl) ether	µg/L	Available Data <DL	0.6	NONE	NONE	0.031	1.4	NONE	1.4	Yes	No	No	NA	No
3-7, 9, 10	67	Bis (2-Chloroisopropyl) Ether	µg/L	Available Data <DL	0.6	NONE	NONE	1,400	170,000	NONE	170,000	Yes	No	No	NA	No
3-7, 9, 10	68	Bis (2-ethylhexyl) Phthalate	µg/L	Available Data <DL	0.6	NONE	NONE	1.8	5.9	4	4	Yes	No	No	NA	No
3-7, 9, 10	69	4-Bromophenyl phenyl ether	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	70	Butyl benzylphthalate	µg/L	Available Data <DL	0.6	NONE	NONE	3,000	5,200	NONE	5,200	Yes	No	No	NA	No
3-7, 9, 10	71	2-Chloronaphthalene	µg/L	Available Data <DL	0.6	NONE	NONE	1,700	4,300	NONE	4,300	Yes	No	No	NA	No
3-7, 9, 10	72	4-Chlorophenyl phenyl ether	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	73	Chrysene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.110	NA <sup>†</sup>
3-7, 9, 10	74	Dibenz(a,h)anthracene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.15	NA <sup>†</sup>
3-7, 9, 10	75	1,2-Dichlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	2,700	17,000	600	600	Yes	No	No	NA	No
3-7, 9, 10	76	1,3-Dichlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	400	2,600	NONE	2,600	Yes	No	No	NA	No
3-7, 9, 10	77	1,4-Dichlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	400	2,600	5	5	Yes	No	No	NA	No
3-7, 9, 10	78	3,3'-Dichlorobenzidine	µg/L	Available Data <DL	0.6	NONE	NONE	0.04	0.077	NONE	0.077	Yes	No	Yes	3.1	NA <sup>†</sup>
3-7, 9, 10	79	Diethyl phthalate	µg/L	Available Data <DL	0.6	NONE	NONE	23,000	120,000	NONE	120,000	Yes	No	No	NA	No
3-7, 9, 10	80	Dimethyl phthalate	µg/L	Available Data <DL	0.6	NONE	NONE	313,000	2,900,000	NONE	2,900,000	Yes	No	No	NA	No
3-7, 9, 10	81	Di-n-butyl phthalate	µg/L	Available Data <DL	0.6	NONE	NONE	2,700	12,000	NONE	12,000	Yes	No	No	NA	No
3-7, 9, 10	82	2,4-Dinitrotoluene	µg/L	Available Data <DL	0.6	NONE	NONE	0.11	9.1	NONE	9.1	Yes	No	No	NA	No
3-7, 9, 10	83	2,6-Dinitrotoluene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	84	Di-n-octyl phthalate	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	85	1,2-Diphenylhydrazine/Azobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	0.04	0.54	NONE	0.54	Yes	No	No	NA	No
3-7, 9, 10	86	Fluoranthene	µg/L	Available Data <DL	0.6	NONE	NONE	300	370	NONE	370	Yes	No	No	NA	No
3-7, 9, 10	87	Fluorene	µg/L	Available Data <DL	0.6	NONE	NONE	1,300	14,000	NONE	14,000	Yes	No	No	NA	No
3-7, 9, 10	88	Hexachlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	0.00075	0.00077	1	0.00077	Yes	No	Yes	0.140	NA <sup>†</sup>
3-7, 9, 10	89	Hexachlorobutadiene	µg/L	Available Data <DL	0.6	NONE	NONE	0.44	50	NONE	50	Yes	No	No	NA	No
3-7, 9, 10	90	Hexachlorocyclopentadiene	µg/L	Available Data <DL	0.6	NONE	NONE	240	17,000	50	50	Yes	No	No	NA	No
3-7, 9, 10	91	Hexachloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	1.9	8.9	NONE	8.9	Yes	No	No	NA	No
3-7, 9, 10	92	Indeno(1,2,3-cd)Pyrene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.120	NA <sup>†</sup>
3-7, 9, 10	93	Isophorone	µg/L	Available Data <DL	0.6	NONE	NONE	8.4	600	NONE	600	Yes	No	No	NA	No
3-7, 9, 10	94	Naphthalene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	95	Nitrobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	17	1,900	NONE	1,900	Yes	No	No	NA	No
3-7, 9, 10	96	N-Nitrosodimethylamine	µg/L	Available Data <DL	0.6	NONE	NONE	0.00069	8.1	NONE	8.1	Yes	No	No	NA	No
3-7, 9, 10	97	n-Nitroso-di-n-propylamine	µg/L	Available Data <DL	0.6	NONE	NONE	0.005	1.4	NONE	1.4	Yes	No	No	NA	No
3-7, 9, 10	98	N-Nitrosodiphenylamine	µg/L	Available Data <DL	0.6	NONE	NONE	5	16	NONE	16	Yes	No	No	NA	No
3-7, 9, 10	99	Phenanthrene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	100	Pyrene	µg/L	Available Data <DL	0.6	NONE	NONE	960	11,000	NONE	11,000	Yes	No	No	NA	No
3-7, 9, 10	101	1,2,4-Trichlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	70	70	Yes	No	No	NA	No
3-7, 9, 10	102	Aldrin	µg/L	Available Data <DL	0.6	3	NONE	0.00013	0.00014	NONE	0.00014	Yes	No	Yes	0.0031	NA <sup>†</sup>
3-7, 9, 10	103	alpha-BHC	µg/L	Available Data <DL	0.6	NONE	NONE	0.0039	0.013	NONE	0.013	Yes	No	No	NA	No

See attached RPA Summary for abbreviations, definitions and other explanations for the data presented.

**TABLE F-2  
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALLS 003-007, 009, AND 010)**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C				Basin Plan	C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C
						CTR CRITERIA							Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	
						Freshwater		Human Health								
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
3-7, 9, 10	104	beta-BHC	µg/L	Available Data <DL	0.6	NONE	NONE	0.014	0.046	NONE	0.046	Yes	No	No	NA	No
3-7, 9, 10	105	gamma-BHC (Lindane)	µg/L	Available Data <DL	0.6	0.95	NONE	0.019	0.063	0.2	0.063	Yes	No	No	NA	No
3-7, 9, 10	106	delta-BHC	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
3-7, 9, 10	107	Chlordane	µg/L	Available Data <DL	0.6	2.4	0.0043	0.00057	0.00059	0.1	0.00059	Yes	No	Yes	0.026	NA <sup>†</sup>
3-7, 9, 10	108	4,4'-DDT	µg/L	Available Data <DL	0.6	1.1	0.001	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.0016	NA <sup>†</sup>
3-7, 9, 10	109	4,4'-DDE	µg/L	Available Data <DL	0.6	NONE	NONE	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.0019	NA <sup>†</sup>
3-7, 9, 10	110	4,4'-DDD	µg/L	Available Data <DL	0.6	NONE	NONE	0.00083	0.00084	NONE	0.00084	Yes	No	Yes	0.004	NA <sup>†</sup>
3-7, 9, 10	111	Dieldrin	µg/L	Available Data <DL	0.6	0.24	0.056	0.00014	0.00014	NONE	0.00014	Yes	No	Yes	0.001	NA <sup>†</sup>
3-7, 9, 10	112	alpha-Endosulfan	µg/L	Available Data <DL	0.6	0.22	0.056	110	240	NONE	0.056	Yes	No	No	NA	No
3-7, 9, 10	113	beta-Endosulfan	µg/L	Available Data <DL	0.6	0.22	0.056	110	240	NONE	0.056	Yes	No	No	NA	No
3-7, 9, 10	114	Endosulfan Sulfate	µg/L	Available Data <DL	0.6	NONE	NONE	110	240	NONE	240	Yes	No	No	NA	No
3-7, 9, 10	115	Endrin	µg/L	Available Data <DL	0.6	0.086	0.036	0.76	0.81	2	0.036	Yes	No	No	NA	No
3-7, 9, 10	116	Endrin Aldehyde	µg/L	Available Data <DL	0.6	NONE	NONE	0.76	0.81	NONE	0.81	Yes	No	No	NA	No
3-7, 9, 10	117	Heptachlor	µg/L	Available Data <DL	0.6	0.52	0.0038	0.00021	0.00021	0.01	0.00021	Yes	No	Yes	0.001	NA <sup>†</sup>
3-7, 9, 10	118	Heptachlor Epoxide	µg/L	Available Data <DL	0.6	0.52	0.0038	0.0001	0.00011	0.01	0.00011	Yes	No	Yes	0.0039	NA <sup>†</sup>
3-7, 9, 10	119	Aroclor 1016	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.044	NA <sup>†</sup>
3-7, 9, 10	120	Aroclor 1221	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.044	NA <sup>†</sup>
3-7, 9, 10	121	Aroclor 1232	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.044	NA <sup>†</sup>
3-7, 9, 10	122	Aroclor 1242	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.044	NA <sup>†</sup>
3-7, 9, 10	123	Aroclor 1248	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.044	NA <sup>†</sup>
3-7, 9, 10	124	Aroclor 1254	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.052	NA <sup>†</sup>
3-7, 9, 10	125	Aroclor 1260	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.052	NA <sup>†</sup>
3-7, 9, 10	126	Toxaphene	µg/L	Available Data <DL	0.6	0.73	0.0002	0.00073	0.00075	3	0.0002	Yes	No	Yes	0.054	NA <sup>†</sup>
3-7, 9, 10	127	E. Coli	MPN/100ml	250	0.6	NA	NA	NA	NA	235	235	Yes	Yes	NA	NA	Yes

**TABLE F-3  
REASONABLE POTENTIAL ANALYSIS - NON-PRIORITY POLLUTANTS (OUTFALLS 003-007, 009, AND 010)**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

<b>Outfall</b>	<b>Constituent</b>	<b>Monitoring</b>	<b>Units</b>	<b>Number of Samples</b>	<b>MEC</b>	<b>CV</b>	<b>Multiplier</b>	<b>Projected Maximum Effluent Concentration (99/99)</b>	<b>Dilution Ratio</b>	<b>Background Concentration</b>	<b>Projected Maximum Receiving Water Concentration</b>	<b>Step 1, Determine Water Quality Objectives</b>	<b>BU - Beneficial use protection NC - Human noncarcinogen AP - Aquatic life protection TMDL - Total Maximum Daily Load</b>
3-7, 9, 10	Total Suspended Solids	Discharge	mg/L	12.00	29	0.60	2.80	81.12	NA	NA	81.12	45	BU

**TABLE F-4  
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALL 008)**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C					C = Lowest Criteria	Is Effluent Data Available	Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	Step 4 MEC >= C
						CTR CRITERIA				Basin Plan Title 22 GWR						
						Freshwater		Human Health								
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
8	002	Arsenic	µg/L	1.3	0.6	340	150	NONE	NONE	50	50	Yes	Yes	NA	NA	No
8	003	Beryllium	µg/L	Available Data <DL	NA	NONE	NONE	Narrative	Narrative	4	4	Yes	No	No	NA	No
8	005a	Chromium III	µg/L	Available Data <DL	0.6	550	180	Narrative	Narrative	50	50	Yes	No	No	NA	No
8	005b	Chromium VI	µg/L	All Data Qualified	0.6	16	11	Narrative	Narrative	NONE	11	No	No	No	NA	No
8	011	Silver	µg/L	Available Data <DL	NA	3.4	NONE	NONE	NONE	NONE	3.4	Yes	No	No	NA	No
8	015	Asbestos > 10 um	Fibers/L	Available Data <DL	0.6	NONE	NONE	7,000,000	NONE	7,000,000	7,000,000	Yes	No	No	NA	No
8	017	Acrolein	µg/L	Available Data <DL	0.6	NONE	NONE	320	780	NONE	780	Yes	No	No	NA	No
8	018	Acrylonitrile	µg/L	Available Data <DL	0.6	NONE	NONE	0.059	0.66	NONE	0.66	Yes	No	Yes	1.4	NA <sup>†</sup>
8	019	Benzene	µg/L	Available Data <DL	0.6	NONE	NONE	1.2	71	1	1	Yes	No	No	NA	No
8	020	Bromoform	µg/L	Available Data <DL	0.6	NONE	NONE	4.3	360	NONE	360	Yes	No	No	NA	No
8	021	Carbon Tetrachloride	µg/L	Available Data <DL	0.6	NONE	NONE	0.25	4.4	0.5	0.5	Yes	No	No	NA	No
8	022	Chlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	680	21,000	70	70	Yes	No	No	NA	No
8	023	Dibromochloromethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.401	34	NONE	34	Yes	No	No	NA	No
8	024	Chloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	025	2-Chloroethyl vinyl ether	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	026	Chloroform	µg/L	Available Data <DL	0.6	NONE	NONE	Reserved	Reserved	NONE	NONE	Yes	No	NA	NA	NA
8	027	Dichlorobromomethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.56	46	NONE	46	Yes	No	No	NA	No
8	028	1,1-Dichloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA	No
8	029	1,2-Dichloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.38	99	0.5	0.5	Yes	No	No	NA	No
8	030	1,1-Dichloroethene	µg/L	Available Data <DL	0.6	NONE	NONE	0.057	3.2	6	3.2	Yes	No	No	NA	No
8	031	1,2-Dichloropropane	µg/L	Available Data <DL	0.6	NONE	NONE	0.52	39	5	5	Yes	No	No	NA	No
8	032	cis-1,3-Dichloropropene	µg/L	Available Data <DL	0.6	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
8	032a	trans-1,3-Dichloropropene	µg/L	Available Data <DL	0.6	NONE	NONE	10	1,700	0.5	0.5	Yes	No	No	NA	No
8	033	Ethylbenzene	µg/L	Available Data <DL	0.6	NONE	NONE	3,100	29,000	700	700	Yes	No	No	NA	No
8	034	Bromomethane	µg/L	Available Data <DL	0.6	NONE	NONE	48	4,000	NONE	4,000	Yes	No	No	NA	No
8	035	Chloromethane (Methyl Chloride)	µg/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	NONE	NONE	Yes	No	NA	NA	NA
8	036	Methylene chloride	µg/L	Available Data <DL	0.6	NONE	NONE	4.7	1,600	NONE	1,600	Yes	No	No	NA	No
8	037	1,1,2,2-Tetrachloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.17	11	1	1	Yes	No	No	NA	No
8	038	Tetrachloroethene	µg/L	Available Data <DL	0.6	NONE	NONE	0.8	8.85	5	5	Yes	No	No	NA	No
8	039	Toluene	µg/L	Available Data <DL	0.6	NONE	NONE	6,800	200,000	150	150	Yes	No	No	NA	No
8	040	trans-1,2-Dichloroethene	µg/L	Available Data <DL	0.6	NONE	NONE	700	140,000	10	10	Yes	No	No	NA	No
8	041	1,1,1-Trichloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
8	042	1,1,2-trichloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	0.6	42	5	5	Yes	No	No	NA	No
8	043	Trichloroethene	µg/L	Available Data <DL	0.6	NONE	NONE	2.7	81	5	5	Yes	No	No	NA	No
8	044	Vinyl chloride	µg/L	Available Data <DL	0.6	NONE	NONE	2	525	0.5	0.5	Yes	No	No	NA	No
8	045	2-chlorophenol	µg/L	Available Data <DL	0.6	NONE	NONE	120	400	NONE	400	Yes	No	No	NA	No
8	046	2,4-Dichlorophenol	µg/L	Available Data <DL	0.6	NONE	NONE	93	790	NONE	790	Yes	No	No	NA	No
8	047	2,4-dimethylphenol	µg/L	Available Data <DL	0.6	NONE	NONE	540	2,300	NONE	2,300	Yes	No	No	NA	No
8	048	2-Methyl-4,6-dinitrophenol	µg/L	Available Data <DL	0.6	NONE	NONE	13.4	765	NONE	765	Yes	No	No	NA	No
8	049	2,4-dinitrophenol	µg/L	Available Data <DL	0.6	NONE	NONE	70	14,000	NONE	14,000	Yes	No	No	NA	No
8	050	2-nitrophenol	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	051	4-nitrophenol	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	052	4-Chloro-3-methylphenol	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	053	Pentachlorophenol	µg/L	Available Data <DL	0.6	pH dependent	pH dependent	0.28	8.2	1	1	Yes	No	No	NA	No
8	054	Phenol	µg/L	Available Data <DL	0.6	NONE	NONE	21,000	4,600,000	NONE	4,600,000	Yes	No	No	NA	No
8	055	2,4,6-Trichlorophenol	µg/L	Available Data <DL	0.6	NONE	NONE	2.1	6.5	NONE	6.5	Yes	No	No	NA	No
8	056	Acenaphthene	µg/L	Available Data <DL	0.6	NONE	NONE	1,200	2,700	NONE	2,700	Yes	No	No	NA	No
8	057	Acenaphthylene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	058	Anthracene	µg/L	Available Data <DL	0.6	NONE	NONE	9,600	110,000	NONE	110,000	Yes	No	No	NA	No

**TABLE F-4  
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALL 008)**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C				Basin Plan Title 22 GWR	C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3 Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	Step 4 MEC >= C
						CTR CRITERIA										
						Freshwater		Human Health								
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH							
8	059	Benzidine	µg/L	Available Data <DL	0.6	NONE	NONE	0.00012	0.00054	NONE	0.00054	Yes	No	Yes	2.6	NA <sup>†</sup>
8	060	Benzo(a)Anthracene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.120	NA <sup>†</sup>
8	061	Benzo(a)Pyrene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	0.2	0.049	Yes	No	Yes	0.150	NA <sup>†</sup>
8	062	Benzo(b)Fluoranthene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.11	NA <sup>†</sup>
8	063	Benzo(g,h,i)Perylene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	064	Benzo(k)Fluoranthene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.110	NA <sup>†</sup>
8	065	Bis(2-Chloroethoxy) methane	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	066	bis (2-Chloroethyl) ether	µg/L	Available Data <DL	0.6	NONE	NONE	0.031	1.4	NONE	1.4	Yes	No	No	NA	No
8	067	Bis(2-Chloroisopropyl) Ether	µg/L	Available Data <DL	0.6	NONE	NONE	1,400	170,000	NONE	170,000	Yes	No	No	NA	No
8	068	bis (2-ethylhexyl) Phthalate	µg/L	Available Data <DL	0.6	NONE	NONE	1.8	5.9	4	4	Yes	No	No	NA	No
8	069	4-Bromophenylphenylether	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	070	Butylbenzylphthalate	µg/L	Available Data <DL	0.6	NONE	NONE	3,000	5,200	NONE	5,200	Yes	No	No	NA	No
8	071	2-Chloronaphthalene	µg/L	Available Data <DL	0.6	NONE	NONE	1,700	4,300	NONE	4,300	Yes	No	No	NA	No
8	072	4-Chlorophenylphenylether	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	073	Chrysene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.110	NA <sup>†</sup>
8	074	Dibenzo(a,h)Anthracene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.15	NA <sup>†</sup>
8	075	1,2-Dichlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	2,700	17,000	600	600	Yes	No	No	NA	No
8	076	1,3-Dichlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	400	2,600	NONE	2,600	Yes	No	No	NA	No
8	077	1,4-Dichlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	400	2,600	5	5	Yes	No	No	NA	No
8	078	3,3'-Dichlorobenzidine	µg/L	Available Data <DL	0.6	NONE	NONE	0.04	0.077	NONE	0.077	Yes	No	Yes	2.9	NA <sup>†</sup>
8	079	Diethyl phthalate	µg/L	Available Data <DL	0.6	NONE	NONE	23,000	120,000	NONE	120,000	Yes	No	No	NA	No
8	080	Dimethylphthalate	µg/L	Available Data <DL	0.6	NONE	NONE	313,000	2,900,000	NONE	2,900,000	Yes	No	No	NA	No
8	081	Di-n-butylphthalate	µg/L	Available Data <DL	0.6	NONE	NONE	2,700	12,000	NONE	12,000	Yes	No	No	NA	No
8	082	2,4-Dinitrotoluene	µg/L	Available Data <DL	0.6	NONE	NONE	0.11	9.1	NONE	9.1	Yes	No	No	NA	No
8	083	2,6-Dinitrotoluene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	084	Di-n-octylphthalate	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	085	1,2-Diphenylhydrazine	µg/L	Available Data <DL	0.6	NONE	NONE	0.04	0.54	NONE	0.54	Yes	No	No	NA	No
8	086	Fluoranthene	µg/L	Available Data <DL	0.6	NONE	NONE	300	370	NONE	370	Yes	No	No	NA	No
8	087	Fluorene	µg/L	Available Data <DL	0.6	NONE	NONE	1,300	14,000	NONE	14,000	Yes	No	No	NA	No
8	088	Hexachlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	0.00075	0.00077	1	0.00077	Yes	No	Yes	0.13	NA <sup>†</sup>
8	089	Hexachlorobutadiene	µg/L	Available Data <DL	0.6	NONE	NONE	0.44	50	NONE	50	Yes	No	No	NA	No
8	090	Hexachlorocyclopentadiene	µg/L	Available Data <DL	0.6	NONE	NONE	240	17,000	50	50	Yes	No	No	NA	No
8	091	Hexachloroethane	µg/L	Available Data <DL	0.6	NONE	NONE	1.9	8.9	NONE	8.9	Yes	No	No	NA	No
8	092	Indeno(1,2,3-cd)Pyrene	µg/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049	NONE	0.049	Yes	No	Yes	0.12	NA <sup>†</sup>
8	093	Isophorone	µg/L	Available Data <DL	0.6	NONE	NONE	8.4	600	NONE	600	Yes	No	No	NA	No
8	094	Naphthalene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	095	Nitrobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	17	1,900	NONE	1,900	Yes	No	No	NA	No
8	096	N-Nitrosodimethylamine	µg/L	Available Data <DL	0.6	NONE	NONE	0.00069	8.1	NONE	8.1	Yes	No	No	NA	No
8	097	n-Nitroso-di-n-propylamine	µg/L	Available Data <DL	0.6	NONE	NONE	0.005	1.4	NONE	1.4	Yes	No	No	NA	No
8	098	N-Nitrosodiphenylamine	µg/L	Available Data <DL	0.6	NONE	NONE	5	16	NONE	16	Yes	No	No	NA	No
8	099	Phenanthrene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	100	Pyrene	µg/L	Available Data <DL	0.6	NONE	NONE	960	11,000	NONE	11,000	Yes	No	No	NA	No
8	101	1,2,4-Trichlorobenzene	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	70	70	Yes	No	No	NA	No
8	102	Aldrin	µg/L	Available Data <DL	0.6	3	NONE	0.00013	0.00014	NONE	0.00014	Yes	No	Yes	0.0031	NA <sup>†</sup>
8	103	alpha-BHC	µg/L	Available Data <DL	0.6	NONE	NONE	0.0039	0.013	NONE	0.013	Yes	No	No	NA	No
8	104	beta-BHC	µg/L	Available Data <DL	0.6	NONE	NONE	0.014	0.046	NONE	0.046	Yes	No	No	NA	No
8	105	gamma-BHC (Lindane)	µg/L	Available Data <DL	0.6	0.95	NONE	0.019	0.063	0.2	0.063	Yes	No	No	NA	No
8	106	delta-BHC	µg/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	NONE	NONE	Yes	No	NA	NA	NA
8	107	Chlordane	µg/L	Available Data <DL	0.6	2.4	0.0043	0.00057	0.00059	0.1	0.00059	Yes	No	Yes	0.026	NA <sup>†</sup>

See attached RPA Summary for abbreviations, definitions and other explanations for the data presented.



**TABLE F-4  
REASONABLE POTENTIAL ANALYSIS - PRIORITY POLLUTANTS (OUTFALL 008)**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Outfall	CTR	Constituent	Units	MEC	CV	Step 1: Water Quality Criteria, Determine C				Basin Plan Title 22 GWR	C = Lowest Criteria	Step 2 Is Effluent Data Available	Step 3			Step 4 MEC >= C		
						CTR CRITERIA							C = Lowest Criteria	Step 2 Is Effluent Data Available	Was Constituent Detected in Effluent Data		Are all Detection Limits > C	If DL > C, MEC = Min (DL)
						Freshwater		Human Health										
						CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH									
8	108	4,4'-DDT	µg/L	Available Data <DL	0.6	1.1	0.001	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.0016	NA <sup>†</sup>		
8	109	4,4'-DDE	µg/L	Available Data <DL	0.6	NONE	NONE	0.00059	0.00059	NONE	0.00059	Yes	No	Yes	0.0019	NA <sup>‡</sup>		
8	110	4,4'-DDD	µg/L	Available Data <DL	0.6	NONE	NONE	0.00083	0.00084	NONE	0.00084	Yes	No	Yes	0.0044	NA <sup>‡</sup>		
8	111	Dieldrin	µg/L	Available Data <DL	0.6	0.24	0.056	0.00014	0.00014	NONE	0.00014	Yes	No	Yes	0.0013	NA <sup>†</sup>		
8	112	Endosulfan I	µg/L	Available Data <DL	0.6	0.22	0.056	110	240	NONE	0.056	Yes	No	No	NA	No		
8	113	Endosulfan II	µg/L	Available Data <DL	0.6	0.22	0.056	110	240	NONE	0.056	Yes	No	No	NA	No		
8	114	Endosulfan Sulfate	µg/L	Available Data <DL	0.6	NONE	NONE	110	240	NONE	240	Yes	No	No	NA	No		
8	115	Endrin	µg/L	Available Data <DL	0.6	0.086	0.036	0.76	0.81	2	0.036	Yes	No	No	NA	No		
8	116	Endrin Aldehyde	µg/L	Available Data <DL	0.6	NONE	NONE	0.76	0.81	NONE	0.81	Yes	No	No	NA	No		
8	117	Heptachlor	µg/L	Available Data <DL	0.6	0.52	0.0038	0.00021	0.00021	0.01	0.00021	Yes	No	Yes	0.0012	NA <sup>†</sup>		
8	118	Heptachlor Epoxide	µg/L	Available Data <DL	0.6	0.52	0.0038	0.0001	0.00011	0.01	0.00011	Yes	No	Yes	0.0039	NA <sup>†</sup>		
8	119	Aroclor-1016	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.044	NA <sup>†</sup>		
8	120	Aroclor-1221	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.044	NA <sup>†</sup>		
8	121	Aroclor-1232	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.044	NA <sup>†</sup>		
8	122	Aroclor-1242	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.044	NA <sup>†</sup>		
8	123	Aroclor-1248	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.044	NA <sup>†</sup>		
8	124	Aroclor-1254	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.052	NA <sup>†</sup>		
8	125	Aroclor-1260	µg/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017	0.5	0.00017	Yes	No	Yes	0.052	NA <sup>†</sup>		
8	126	Toxaphene	µg/L	Available Data <DL	0.6	0.73	0.0002	0.00073	0.00075	3	0.0002	Yes	No	Yes	0.054	NA <sup>†</sup>		
8	127	E. Coli	MPN/100ml	100	0.6	NA	NA	NA	NA	235	235	Yes	Yes	NA	NA	No		

**TABLE F-5  
REASONABLE POTENTIAL ANALYSIS - NON-PRIORITY POLLUTANTS (OUTFALL 008)**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

<b>Outfall</b>	<b>Constituent</b>	<b>Monitoring</b>	<b>Units</b>	<b>Number of Samples</b>	<b>MEC</b>	<b>CV</b>	<b>Multiplier</b>	<b>Projected Maximum Effluent Concentration (99/99)</b>	<b>Dilution Ratio</b>	<b>Background Concentration</b>	<b>Projected Maximum Receiving Water Concentration</b>	<b>Step 1, Determine Water Quality Objectives</b>	<b>BU - Beneficial use protection NC - Human noncarcinogen AP - Aquatic life protection</b>
8	Total Suspended Solids	Discharge	mg/L	10	23	0.60	3.02	69.41	0	0	69.41	45	BU

**APPENDIX G**  
**First Quarter 2023 Analytical Laboratory Methods,  
Method Detection Limits, Reporting Limits, QA/QC  
Procedures, and ELAP Certifications**

## **APPENDIX G**

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Table G – Annual List of Analytical Methods by Analyte with Corresponding Laboratory Reporting Limits and Method Detection Limits

Eurofins Calscience CA Certificate of Environmental Laboratory Accreditation

Eurofins Sacramento CA Certificate of Environmental Laboratory Accreditation

Eurofins St. Louis CA Certificate of Environmental Laboratory Accreditation

Eurofins Seattle WA Certificate of Environmental Laboratory Accreditation Fields of Accreditation

Aquatic Bioassay & Consulting Laboratories, Inc. CA Certificate of Environmental Laboratory Accreditation Program

Aquatic Bioassay & Consulting Laboratories, Inc. CA Environmental Laboratory Accreditation Program Fields of Accreditation

Eurofins Calscience Quality Assurance Manual for Environmental Analytical Services

Eurofins Lancaster Laboratories Environment Testing, LLC CA Environmental Laboratory Accreditation Program

Weck Laboratories, Inc. CA Environmental Laboratory Accreditation Program

Enthalpy Analytical, LLC CA Environmental Laboratory Accreditation Program

**TABLE G**  
**ANNUAL LIST OF ANALYTICAL METHODS BY ANALYTE WITH CORRESPONDING LABORATORY REPORTING LIMITS AND METHOD DETECTION LIMITS**

FIRST QUARTER 2023  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Method	Analyte	Units	Laboratory 2022 MDL	Laboratory 2022 RL	SWRCB ML	Laboratory vs ML <sup>(1)</sup>	Permit Limits/Benchmarks					
							Monthly Average Limits	Daily Maximum Limits	Daily Maximum Limits	Daily Maximum Limits	Receiving Water Limits	Receiving Water Sediment Limits
							019, 020	001, 002 011, 018	003-007, 009, 010	008	Arroyo Simi	Arroyo Simi
EPA 624 - Low-level	1,1,1-Trichloroethane	µg/L	0.25	0.50	2	-- <sup>(b)</sup>						
	1,1,2,2-Tetrachloroethane	µg/L	0.20	0.50	1	-- <sup>(b)</sup>						
	1,1,2-Trichloroethane	µg/L	0.17	0.50	2	-- <sup>(b)</sup>						
	1,1-Dichloroethane	µg/L	0.39	0.50	1	-- <sup>(b)</sup>						
	1,1-Dichloroethene	µg/L	0.33	0.50	2	-- <sup>(a)</sup>	3.2	6.0				
	1,2-Dichlorobenzene	µg/L	0.16	0.50	2	-- <sup>(b)</sup>						
	1,2-Dichloroethane	µg/L	0.15	0.50	2	-- <sup>(a)</sup>		0.5				
	1,2-Dichloropropane	µg/L	0.17	0.50	1	-- <sup>(b)</sup>						
	1,3-Dichlorobenzene	µg/L	0.16	0.50	2	-- <sup>(b)</sup>						
	1,4-Dichlorobenzene	µg/L	0.11	0.50	2	-- <sup>(b)</sup>						
	Benzene	µg/L	0.28	0.50	2	-- <sup>(b)</sup>						
	Bromoform	µg/L	0.25	1.00	2	-- <sup>(b)</sup>						
	Bromomethane	µg/L	0.22	0.50	2	-- <sup>(b)</sup>						
	Carbon tetrachloride	µg/L	0.28	0.50	2	-- <sup>(b)</sup>						
	Chlorobenzene	µg/L	0.19	0.50	2	-- <sup>(b)</sup>						
	Chlorodibromomethane	µg/L	0.19	0.50	2	-- <sup>(b)</sup>						
	Chloroethane	µg/L	0.29	1.00	2	-- <sup>(b)</sup>						
	Chloroform	µg/L	0.19	0.50	2	-- <sup>(b)</sup>						
	Chloromethane (Methyl Chloride)	µg/L	0.30	0.50	2	-- <sup>(b)</sup>						
	cis-1,2-Dichloroethene	µg/L	0.21	0.50	2	-- <sup>(b)</sup>						
	cis-1,3-Dichloropropene	µg/L	0.30	0.50	2	-- <sup>(b)</sup>						
	Dichlorobromomethane	µg/L	0.15	0.50	2	-- <sup>(b)</sup>						
	Ethylbenzene	µg/L	0.25	0.50	2	-- <sup>(b)</sup>						
	Methylene chloride	µg/L	0.57	2.00	2	-- <sup>(b)</sup>						
	Tetrachloroethene	µg/L	0.21	0.50	2	-- <sup>(b)</sup>						
	Toluene	µg/L	0.23	0.50	2	-- <sup>(b)</sup>						
	trans-1,2-Dichloroethene	µg/L	0.24	0.50	2	-- <sup>(b)</sup>						
	trans-1,3-Dichloropropene	µg/L	0.18	0.50	2	-- <sup>(b)</sup>						
	Trichloroethene	µg/L	0.17	0.50	2	-- <sup>(a)</sup>						
	Vinyl chloride	µg/L	0.47	0.50	2	-- <sup>(b)</sup>			5.0			
	m,p-Xylenes	µg/L	0.17	1.00	n/a	-- <sup>(d)</sup>						
Naphthalene	µg/L	0.33	1.00	n/a	-- <sup>(d)</sup>							
o-Xylene	µg/L	0.15	0.50	n/a	-- <sup>(d)</sup>							
Trichlorofluoromethane	µg/L	0.29	0.50	n/a	-- <sup>(d)</sup>							
Xylene (Total)	µg/L	0.17	1.00	n/a	-- <sup>(d)</sup>							
VOC - Add-ons (EPA 624)	1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	0.33	2.00	n/a	-- <sup>(d)</sup>						
	1,2-Dichloro-1,1,2-trifluoroethane	µg/L	0.58	2.00	n/a	-- <sup>(d)</sup>						
	Cyclohexane	µg/L	0.79	2.00	n/a	-- <sup>(d)</sup>						
EPA 624/8260B A-A+2CVE LOW	Acrolein	µg/L	4.64	5.00	5	-- <sup>(b)</sup>						
	Acrylonitrile	µg/L	1.43	2.00	2	-- <sup>(b)</sup>						
	2-Chloroethyl vinyl ether	µg/L	0.19	1.00	1	-- <sup>(b)</sup>						

**TABLE G**  
**ANNUAL LIST OF ANALYTICAL METHODS BY ANALYTE WITH CORRESPONDING LABORATORY REPORTING LIMITS AND METHOD DETECTION LIMITS**

FIRST QUARTER 2023  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Method	Analyte	Units	Laboratory 2022 MDL	Laboratory 2022 RL	SWRCB ML	Laboratory vs ML <sup>(1)</sup>	Permit Limits/Benchmarks					
							Monthly Average Limits	Daily Maximum Limits	Daily Maximum Limits	Daily Maximum Limits	Receiving Water Limits	Receiving Water Sediment Limits
							019, 020	001, 002 011, 018	003-007, 009, 010	008	Arroyo Simi	Arroyo Simi
	1,2,4-Trichlorobenzene	µg/L	0.12	0.19	5	-- <sup>(b)</sup>						
	1,2-Dichlorobenzene	µg/L	0.11	0.19	2	-- <sup>(b)</sup>						
	1,2-Diphenylhydrazine/Azobenzene	µg/L	0.09	0.19	1	-- <sup>(b)</sup>						
	1,3-Dichlorobenzene	µg/L	0.11	0.19	1	-- <sup>(b)</sup>						
	1,4-Dichlorobenzene	µg/L	0.13	0.19	1	-- <sup>(b)</sup>						
	2,4-Dichlorophenol	µg/L	0.13	0.94	5	-- <sup>(b)</sup>						
	2,4-Dimethylphenol	µg/L	0.12	0.19	2	-- <sup>(b)</sup>						
	2,4-Dinitrophenol	µg/L	4.0 - 4.4	4.7 - 5.1	5	-- <sup>(b)</sup>						
	2,4-Dinitrotoluene	µg/L	0.11	0.19	5	-- <sup>(a)</sup>	9.1	18				
	2,4,6-Trichlorophenol	µg/L	0.13	0.94	10	-- <sup>(a)</sup>	6.5	13				
	2,6-Dinitrotoluene	µg/L	0.17	0.19	5	-- <sup>(b)</sup>						
	2-Chloronaphthalene	µg/L	0.14	0.19	10	-- <sup>(b)</sup>						
	2-Chlorophenol	µg/L	0.09	0.19	5	-- <sup>(b)</sup>						
	2-Methyl-4,6-Dinitrophenol	µg/L	4.0 - 4.4	4.7 - 5.1	5	-- <sup>(b)</sup>						
	2-Nitrophenol	µg/L	3.3 - 3.6	4.7 - 5.1	10	-- <sup>(b)</sup>						
	3,3'-Dichlorobenzidine	µg/L	2.8 - 3.1	4.7 - 5.1	5	-- <sup>(b)</sup>						
	4-Bromophenyl phenyl ether	µg/L	0.10	0.19	5	-- <sup>(b)</sup>						
	4-Chloro-3-methylphenol	µg/L	0.12	0.94	1	-- <sup>(b)</sup>						
	4-Chlorophenyl phenyl ether	µg/L	0.16	0.19	5	-- <sup>(b)</sup>						
	4-Nitrophenol	µg/L	3.2 - 3.4	4.7 - 5.1	10	-- <sup>(b)</sup>						
	Acenaphthene	µg/L	0.09	0.19	1	-- <sup>(b)</sup>						
	Acenaphthylene	µg/L	0.12	0.19	10	-- <sup>(b)</sup>						
	Anthracene	µg/L	0.08	0.19	10	-- <sup>(b)</sup>						
EPA 625+NDMA+Hydrazine -Low-level	Benzdine	µg/L	2.5 - 2.8	4.7 - 5.1	5	-- <sup>(b)</sup>						
	Benzo(a)anthracene	µg/L	0.12	0.19	5	-- <sup>(b)</sup>						
	Benzo(a)pyrene	µg/L	0.14	0.19	10	-- <sup>(b)</sup>						
	Benzo(b)fluoranthene	µg/L	0.11	0.19	10	-- <sup>(b)</sup>						
	Benzo(g,h,i)perylene	µg/L	0.10	0.19	5	-- <sup>(b)</sup>						
	Benzo(k)fluoranthene	µg/L	0.11	0.19	10	-- <sup>(b)</sup>						
	Bis (2-chloroethoxy) methane	µg/L	0.10	0.19	5	-- <sup>(b)</sup>						
	Bis (2-chloroethyl) ether	µg/L	0.10	0.19	1	-- <sup>(b)</sup>						
	Bis (2-chloroisopropyl) ether	µg/L	0.12	0.19	2	-- <sup>(b)</sup>						
	Bis (2-ethylhexyl) phthalate	µg/L	3.4 - 3.8	4.7 - 5.2	5	-- <sup>(a)</sup>		4.0				
	Butyl benzylphthalate	µg/L	0.64 - 0.69	1.00	10	-- <sup>(b)</sup>						
	Chrysene	µg/L	0.11	0.19	10	-- <sup>(b)</sup>						
	Dibenzo(a,h)anthracene	µg/L	0.15 - 0.16	0.19 - 0.2	10	-- <sup>(b)</sup>						
	Diethyl phthalate	µg/L	0.17 - 0.18	1.9 - 2	2	-- <sup>(b)</sup>						
	Dimethyl phthalate	µg/L	0.092 - 0.1	1.9 - 2	2	-- <sup>(b)</sup>						
	Di-n-butyl phthalate	µg/L	1.80	1.90	10	-- <sup>(b)</sup>						
	Di-n-octyl phthalate	µg/L	0.52	2.90	10	-- <sup>(b)</sup>						
	Fluoranthene	µg/L	0.10	0.20	1	-- <sup>(b)</sup>						
	Fluorene	µg/L	0.10	0.20	10	-- <sup>(b)</sup>						
	Hexachlorobenzene	µg/L	0.13	0.19	1	-- <sup>(b)</sup>						
	Hexachlorobutadiene	µg/L	0.15	0.19	1	-- <sup>(b)</sup>						
	Hexachlorocyclopentadiene	µg/L	0.15	0.19	5	-- <sup>(b)</sup>						
	Hexachloroethane	µg/L	0.12	0.19	1	-- <sup>(b)</sup>						
	Indeno(1,2,3-cd)pyrene	µg/L	0.15	0.19	10	-- <sup>(b)</sup>						

**TABLE G  
ANNUAL LIST OF ANALYTICAL METHODS BY ANALYTE WITH CORRESPONDING LABORATORY REPORTING LIMITS AND METHOD DETECTION LIMITS**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Method	Analyte	Units	Laboratory 2022 MDL	Laboratory 2022 RL	SWRCB ML	Laboratory vs ML <sup>(1)</sup>	Permit Limits/Benchmarks					
							Monthly Average Limits	Daily Maximum Limits	Daily Maximum Limits	Daily Maximum Limits	Receiving Water Limits	Receiving Water Sediment Limits
							019, 020	001, 002 011, 018	003-007, 009, 010	008	Arroyo Simi	Arroyo Simi
EPA 625+NDMA+Hydrazine -Low-level	Isophorone	µg/L	0.11	0.19	1	-- <sup>(b)</sup>						
	Naphthalene	µg/L	0.11	0.19	1	-- <sup>(b)</sup>						
	Nitrobenzene	µg/L	0.14	0.19	1	-- <sup>(b)</sup>						
	n-Nitrosodimethylamine	µg/L	0.18	0.19	5	-- <sup>(a)</sup>	8.1	16				
	n-Nitroso-di-n-propylamine	µg/L	0.14	0.19	5	-- <sup>(b)</sup>						
	n-Nitrosodiphenylamine	µg/L	0.10	0.19	1	-- <sup>(b)</sup>						
	Pentachlorophenol	µg/L	0.79 - 0.88	0.94 - 1.0	5	-- <sup>(a)</sup>	8.2	16.5				
	Phenanthrene	µg/L	0.16	0.19	5	-- <sup>(b)</sup>						
	Phenol	µg/L	0.49 - 0.54	0.94 - 1.0	1	-- <sup>(b)</sup>						
Pyrene	µg/L	0.081 - 0.088	0.19	10	-- <sup>(b)</sup>							
PCB, Low Level (EPA 608)	Aroclor 1016	µg/L	0.044	0.1	0.5	-- <sup>(g)</sup>					0.0003	
	Aroclor 1221	µg/L	0.044	0.1	0.5	-- <sup>(g)</sup>					0.0003	
	Aroclor 1232	µg/L	0.044	0.1	0.5	-- <sup>(g)</sup>					0.0003	
	Aroclor 1242	µg/L	0.044	0.1	0.5	-- <sup>(g)</sup>					0.0003	
	Aroclor 1248	µg/L	0.044	0.1	0.5	-- <sup>(g)</sup>					0.0003	
	Aroclor 1254	µg/L	0.052	0.1	0.5	-- <sup>(g)</sup>					0.0003	
	Aroclor 1260	µg/L	0.052	0.1	0.5	-- <sup>(g)</sup>					0.0003	
	Aroclor 1016	µg/Kg	7.90	10.00	n/a	-- <sup>(f)</sup>						0.12
	Aroclor 1221	µg/Kg	7.90	10.00	n/a	-- <sup>(f)</sup>						0.12
	Aroclor 1232	µg/Kg	7.90	10.00	n/a	-- <sup>(f)</sup>						0.12
	Aroclor 1242	µg/Kg	7.90	10.00	n/a	-- <sup>(f)</sup>						0.12
	Aroclor 1248	µg/Kg	7.90	10.00	n/a	-- <sup>(f)</sup>						0.12
	Aroclor 1254	µg/Kg	5.10	10.00	n/a	-- <sup>(f)</sup>						0.12
Aroclor 1260	µg/Kg	5.10	10.00	n/a	-- <sup>(f)</sup>						0.12	
Pesticides, Low Level (EPA 608)	Aldrin	µg/L	0.00310	0.00330	0.005	-- <sup>(b)</sup>						
	alpha-BHC	µg/L	0.00080	0.00130	0.01	-- <sup>(a)</sup>	0.01	0.03				
	alpha-Endosulfan	µg/L	0.00070	0.00130	0.02	-- <sup>(b)</sup>						
	beta-BHC	µg/L	0.00390	0.0050	0.005	-- <sup>(b)</sup>						
	beta-Endosulfan	µg/L	0.00410	0.00670	0.01	-- <sup>(b)</sup>						
	delta-BHC	µg/L	0.00200	0.00330	0.005	-- <sup>(b)</sup>						
	gamma-BHC (Lindane)	µg/L	0.00066	0.0013	0.02	-- <sup>(b)</sup>						
	Chlordane	µg/L	0.0260	0.033	0.1	-- <sup>(g)</sup>					0.001	0.0033
	4,4'-DDD	µg/L	0.0044	0.0067	0.05	-- <sup>(g)</sup>					0.0014	0.002
	4,4'-DDE	µg/L	0.00190	0.00330	0.05	-- <sup>(g)</sup>					0.001	0.0014
	4,4'-DDT	µg/L	0.00160	0.0033	0.01	-- <sup>(g)</sup>					0.001	0.003
	Dieldrin	µg/L	0.00130	0.00330	0.01	-- <sup>(g)</sup>					0.0002	0.0002
	Endosulfan sulfate	µg/L	0.00140	0.0033	0.05	-- <sup>(b)</sup>						
	Endrin	µg/L	0.00230	0.00330	0.01	-- <sup>(b)</sup>						
	Endrin aldehyde	µg/L	0.0019	0.01	0.01	-- <sup>(b)</sup>						
	Heptachlor	µg/L	0.00120	0.00130	0.01	-- <sup>(b)</sup>						
	Heptachlor epoxide	µg/L	0.00390	0.00670	0.01	-- <sup>(b)</sup>						
	Toxaphene	µg/L	0.05400	0.067	0.5	-- <sup>(g)</sup>					0.0003	0.0006
	Chlordane	µg/Kg	0.82	5.00	n/a	-- <sup>(f)</sup>						0.0033
	4,4'-DDD	µg/Kg	0.14	1.00	n/a	-- <sup>(f)</sup>					0.0014	0.002
4,4'-DDE	µg/Kg	0.14	1.00	n/a	-- <sup>(f)</sup>					0.001	0.0014	

**TABLE G**  
**ANNUAL LIST OF ANALYTICAL METHODS BY ANALYTE WITH CORRESPONDING LABORATORY REPORTING LIMITS AND METHOD DETECTION LIMITS**

FIRST QUARTER 2023  
 THE BOEING COMPANY  
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Method	Analyte	Units	Laboratory 2022 MDL	Laboratory 2022 RL	SWRCB ML	Laboratory vs ML <sup>(1)</sup>	Permit Limits/Benchmarks					
							Monthly Average Limits	Daily Maximum Limits	Daily Maximum Limits	Daily Maximum Limits	Receiving Water Limits	Receiving Water Sediment Limits
							019, 020	001, 002 011, 018	003-007, 009, 010	008	Arroyo Simi	Arroyo Simi
Pesticides, Low Level (EPA 608)	4,4'-DDT	µg/Kg	0.24	1.00	n/a	-- <sup>(f)</sup>					0.001	0.0003
	Dieldrin	µg/Kg	0.11	0.20	n/a	-- <sup>(f)</sup>					0.0002	0.0002
	Toxaphene	µg/Kg	3.10	5.00	n/a	-- <sup>(f)</sup>					0.0003	0.0006
EPA 525.2	Chlorpyrifos	µg/L	0.0040	0.01	n/a	-- <sup>(c)</sup>					0.02	
	Diazinon	µg/L	0.0034	0.01	n/a	-- <sup>(c)</sup>					0.16	
ICP/MS 200.8	Aluminum	µg/L	8.6	15.00	n/a	-- <sup>(d)</sup>						
	Antimony	µg/L	0.36 - 0.5	2.00	0.5	-- <sup>(a)</sup>	6.0	6.0	6.0	6.0		
	Arsenic	µg/L	0.16	1.00	2	-- <sup>(a)</sup>	10.0	10.0				
	Barium	µg/L	0.17	1.00	n/a	-- <sup>(c)</sup>	1.0	1.0				
	Beryllium	µg/L	0.26	0.50	0.5	-- <sup>(a)</sup>	4.0	4.0				
	Cadmium	µg/L	0.13	1.00	0.25	-- <sup>(a)</sup>	2.0	4.0/3.1	4	4.0/3.1		
	Chromium	µg/L	0.14	2.00	0.5	-- <sup>(a)</sup>	8.0	16.0				
	Cobalt	µg/L	0.14	1.00	n/a	-- <sup>(d)</sup>						
	Copper	µg/L	0.32 - 0.5	2.00	0.5	-- <sup>(a)</sup>	5.8	14	13	14		
	Iron	mg/L	0.0037	0.02	n/a	-- <sup>(c)</sup>	0.3	0.3				
	Lead	µg/L	0.12 - 0.5	1.00	0.5	-- <sup>(a)</sup>	2.6	5.2	5.2	5.2		
	Manganese	µg/L	0.41	1.00	n/a	-- <sup>(c)</sup>		50.0				
	Nickel	µg/L	0.17	2.00	1	-- <sup>(a)</sup>	35.0	94.0	86.0	86.0		
	Selenium	µg/L	0.500	2.00	2	-- <sup>(a)</sup>	4.1	8.2/5		5		
	Silver	µg/L	0.230	1.00	0.25	-- <sup>(a)</sup>	2.0	4.1				
Thallium	µg/L	0.11 - 0.2	1.00	1	-- <sup>(a)</sup>	2.0	2.0	2.0	2.0			
Vanadium	µg/L	0.17	2.00	n/a	-- <sup>(d)</sup>							
Zinc	µg/L	2.8	20	1	-- <sup>(i)</sup>	43.0	119.0	120.0	120.0			
ICP 200.7	Arsenic	µg/L	8.90	20.00	10	-- <sup>(a)</sup>	10.0	10.0				
	Barium	mg/L	0.0022	0.01	n/a	-- <sup>(c)</sup>	1	1				
	Beryllium	µg/L	0.44	2.00	2	-- <sup>(a)</sup>	4.0	4.0				
	Boron	mg/L	0.0035	0.50	n/a	-- <sup>(c)</sup>			1.0	1.0		
	Chromium	µg/L	2.50	5.00	10	-- <sup>(a)</sup>	8.0	16.0				
	Cobalt	µg/L	2.80	10.00	n/a	-- <sup>(d)</sup>						
	Hardness (as CaCO3)	mg/L	0.170	0.91	n/a	-- <sup>(d)</sup>						
	Nickel	µg/L	5.00	10.00	20	-- <sup>(a)</sup>	35	94	86	86		
Vanadium	µg/L	2.10	10.00	n/a	-- <sup>(d)</sup>							
Mercury (EPA 245.1)	Mercury	µg/L	0.10 - 0.12	0.20 - 0.25	0.2	-- <sup>(g)</sup>	0.05	0.10	0.13	0.13		
Chromium VI (EPA 218.6)	Chromium VI (Hexavalent)	µg/L	0.019	0.20	n/a	-- <sup>(c)</sup>	8.0	16				
	Chromium III (Trivalent)	µg/L	0.500	1.00	n/a	-- <sup>(d)</sup>						
Cyanide by EPA (KELADA)	Cyanide	µg/L	2.50	5.00	5	-- <sup>(a)</sup>	4.3	8.5	9.5	9.5		
Asbestos by EPA 600	Asbestos	MFL	n/a <sup>(2)</sup>	5.00	n/a	-- <sup>(d)</sup>						
EPA 8260B-Mod	1,4-Dioxane	µg/L	0.55	1.00	n/a	-- <sup>(d)</sup>						



**TABLE G  
ANNUAL LIST OF ANALYTICAL METHODS BY ANALYTE WITH CORRESPONDING LABORATORY REPORTING LIMITS AND METHOD DETECTION LIMITS**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Method	Analyte	Units	Laboratory 2022 MDL	Laboratory 2022 RL	SWRCB ML	Laboratory vs ML <sup>(1)</sup>	Permit Limits/Benchmarks					
							Monthly Average Limits	Daily Maximum Limits	Daily Maximum Limits	Daily Maximum Limits	Receiving Water Limits	Receiving Water Sediment Limits
							019, 020	001, 002 011, 018	003-007, 009, 010	008	Arroyo Simi	Arroyo Simi
EPA 8015-Mod	Diesel Range Organics (DRO C13-C28)	mg/L	0.036	0.50	n/a	-- <sup>(d)</sup>						
	Gasoline Range Organics (GRO C4-C12)	mg/L	0.0300	0.05	n/a	-- <sup>(d)</sup>						
EPA 314.0	Perchlorate	µg/L	0.91	2.0	n/a	-- <sup>(c)</sup>	6	6.0	6.0	6.0		
EPA 1613	TCDD TEQ	µg/L	n/a	n/a	n/a	-- <sup>(e)</sup>	1.4E-08	2.8E-08	2.8E-08	2.8E-08		
General Chemistry, (Field Test)	Chlorine, Total Residual <sup>(3)</sup>	mg/L	n/a	0.10	n/a	-- <sup>(c)</sup>	0.1	0.1				
	Dissolved Oxygen <sup>(3)</sup>	mg/L	n/a	1	n/a	-- <sup>(d)</sup>						
General Chemistry, SM 2510	Conductivity at 25 C	µmhos/cm	1.00	1.00	n/a	-- <sup>(d)</sup>						
General Chemistry, EPA 1664	Oil & Grease	mg/L	0.49 - 0.71	0.95 - 1.4	n/a	-- <sup>(c)</sup>	10	15	15	15		
General Chemistry, SM 2130	Turbidity	NTU	0.0500	0.05	n/a	-- <sup>(d)</sup>						
General Chemistry, EPA 300	Chloride	mg/L	0.360	1.00	n/a	-- <sup>(c)</sup>	150	150	150	150		
	Fluoride	mg/L	0.046	0.10	n/a	-- <sup>(c)</sup>	2	1.6	1.6	1.6		
	Nitrate + Nitrite as Nitrogen (N)	mg/L	0.02	0.10	n/a	-- <sup>(c)</sup>	8	8	10	8		
	Nitrate - N	mg/L	0.02	0.10	n/a	-- <sup>(c)</sup>	8	8		8		
	Nitrite - N	mg/L	0.043	0.10	n/a	-- <sup>(c)</sup>	1	1		1		
	Sulfate	mg/L	0.24	1.00	n/a	-- <sup>(c)</sup>		300	250	300		
General Chemistry, SM2540C	Total Dissolved Solids	mg/L	8.7	10	n/a	-- <sup>(c)</sup>	950	950	850	950		
General Chemistry, SM2540D	Total Suspended Solids	mg/L	0.5 - 4.1	1.0 - 5.0	n/a	-- <sup>(c)</sup>	15	45				
General Chemistry, SM2540F	Settleable Solids	ml/L	0.1	0.10	n/a	-- <sup>(c)</sup>	0.1	0.3				
General Chemistry, SM4500-NH3G	Ammonia - N	mg/L	0.032	0.08	n/a	-- <sup>(c)</sup>	1.96	10.1		10.1		
	Ammonia - N	mg/Kg	1.980	9.88	n/a	-- <sup>(d)</sup>						
General Chemistry, SM5210B	Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	1.0 - 1.5	2.0 - 3.0	n/a	-- <sup>(c)</sup>	20	30				
General Chemistry, SM5310B	Total Organic Carbon	mg/L	0.260	0.50	n/a	-- <sup>(d)</sup>						
General Chemistry, SM5540	Detergents (as MBAS)	mg/L	0.05 - 0.054	0.2 - 0.3	n/a	-- <sup>(c)</sup>	1	0.5				
Radiochemistry	Uranium	pCi/L	n/a	1.00 <sup>(4)</sup>	n/a	-- <sup>(c)</sup>		20	20	20		
Radiochemistry, EPA 900	Gross Alpha	pCi/L	n/a	3.00 <sup>(4)</sup>	n/a	-- <sup>(c)</sup>	15	15	15	15		
	Gross Beta	pCi/L	n/a	4.00 <sup>(4)</sup>	n/a	-- <sup>(c)</sup>	50	50	50	50		
Radiochemistry, EPA 901.1	Cesium-137	pCi/L	n/a	20.0 <sup>(4)</sup>	n/a	-- <sup>(c)</sup>		200	200	200		
	Potassium-40	pCi/L	n/a	n/a	n/a	-- <sup>(d)</sup>						

**TABLE G  
ANNUAL LIST OF ANALYTICAL METHODS BY ANALYTE WITH CORRESPONDING LABORATORY REPORTING LIMITS AND METHOD DETECTION LIMITS**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

Method	Analyte	Units	Laboratory 2022 MDL	Laboratory 2022 RL	SWRCB ML	Laboratory vs ML <sup>(1)</sup>	Permit Limits/Benchmarks					
							Monthly Average Limits	Daily Maximum Limits	Daily Maximum Limits	Daily Maximum Limits	Receiving Water Limits	Receiving Water Sediment Limits
							019, 020	001, 002 011, 018	003-007, 009, 010	008	Arroyo Simi	Arroyo Simi
Radiochemistry, EPA 903/904	Combined Radium-226 & Radium-228	pCi/L	n/a	1.00 <sup>(4)</sup>	n/a	-- <sup>(c)</sup>	5.0	5.0	5.0	5.0		
Radiochemistry, EPA 905.0	Strontium-90	pCi/L	n/a	3.00 <sup>(4)</sup>	n/a	-- <sup>(c)</sup>	8.0	8.0	8.0	8.0		
Radiochemistry, EPA 906.0	Tritium	pCi/L	n/a	500 <sup>(4)</sup>	n/a	-- <sup>(c)</sup>	20000	20000	20000	20000		
8315M (Truesdail Lab)	Monomethyl hydrazine	µg/L	0.3	2.00	n/a	-- <sup>(d)</sup>						
	1,1-Dimethylhydrazine	µg/L	0.3	2.00	n/a	-- <sup>(d)</sup>						
	Hydrazine	µg/L	0.4	1.00	n/a	-- <sup>(d)</sup>						
Toxicity (Aquatic Lab), EPA 1002	Chronic Toxicity	Pass or Fail, % Effect	n/a	n/a	n/a	-- <sup>(e)</sup>	Pass or Fail	Pass or % Effect <50	Pass or % Effect <50	Pass or % Effect <50		
Biological, SM9221F/SM9223B	E. Coli	MPN/100ml	n/a	1.00	n/a	-- <sup>(c)</sup>					235	

**Notes:**

Benchmark limitations: Outfalls 001, 002

Compliance limitations: Outfalls 003-011, 018-020

The RLs and MDLs may vary slightly based on a number of factors such as instrument used, dilution factor, aliquot, blank contamination, etc.

Columns are used to compare laboratory's reporting limits (RLs) and method detection limits (MDLs) to the SWRCB Minimum Levels (MLs) and the permit limits (PLs).

(1) This column indicates the status of analytical capabilities if the ML is less than the laboratory RL and/or MDL. See explanation for "--" below.

The following designations summarize the comparison of RLs, MDLs, MLs, and permit limits:

-- = Laboratory reporting limit meets ML if applicable and permit limit requirements.

--<sup>(a)</sup> Laboratory reporting limit or method detection limit meets ML and permit limit requirements.

--<sup>(b)</sup> Laboratory reporting limit or method detection limit meets ML. This analyte has no permit limit requirements.

--<sup>(c)</sup> Laboratory reporting limit or method detection limit meets permit limit. This analyte has no ML.

--<sup>(d)</sup> This analyte has no ML or permit limit.

--<sup>(e)</sup> This analyte is a calculation or chronic toxicity and does not have a reporting limit. This calculation or chronic toxicity has no ML.

--<sup>(f)</sup> This analyte has no ML. Laboratory reporting limit or method detection limit does not meet permit limit.

--<sup>(g)</sup> Laboratory reporting limit or method detection limit meets ML, but does not meet permit limit requirements.

--<sup>(h)</sup> Laboratory reporting limit or method detection limit does not meet the ML as the laboratory recalculated the MDL during their annual MDL studies. This analyte has no permit limit requirements.

--<sup>(i)</sup> Laboratory reporting limit or method detection limit does not meet the ML, but does meet permit limit requirements. Method 200.8 is preferred as method 200.7 does not meet the permit limit requirements.

In the above context, "meet" means equal to or less than (i.e., if a Laboratory reporting limit or method detection limit meets a criteria, the laboratory reporting limit is less than or equal to that criteria).

The receiving water sediment limits do not have a ML and are included for reference only.

(2) The RL and MDL for asbestos varies based upon the sample.

(3) Total residual chlorine (TRC) and dissolved oxygen (DO) are measured in the field. The RL is the lowest limit of the instrument. The MDL is not relevant for field parameters.

(4) This value is the minimum detectable activity (MDA) which applies only to radiological constituents.

**Acronyms:**

µg/g = micrograms per gram

µg/kg = micrograms per kilogram

µg/L = micrograms per liter

µmhos/cm = micromhos per centimeter

CVE = Common Vulnerabilities and Exposures

EPA = United States Environmental Protection Agency

ICP/MS = Inductively Coupled Plasma Mass Spectrometry

MFL = million fibers per liter

mg/kg = milligrams per kilogram

mg/L = milligrams per liter

ml/L = milliliters per liter

MPN/100ml = most probable number per 100 milliliters

n/a = not applicable

NDMA = N-Nitrosodimethylamine

NTU = nephelometric turbidity unit

PCB = polychlorinated biphenyl

pCi/L = picoCuries per liter

SWRCB = State Water Resources Control Board



STATE WATER RESOURCES CONTROL BOARD  
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF  
ENVIRONMENTAL LABORATORY ACCREDITATION**

Is hereby granted to

**Eurofins Calscience**

2841 Dow Avenue

Tustin, CA 92780

Scope of the certificate is limited to the  
"Fields of Accreditation"  
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations,  
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **3082**

Effective Date: **8/1/2022**

Expiration Date: **7/31/2024**

A handwritten signature in blue ink, appearing to read "Christine Sotelo".

Sacramento, California  
subject to forfeiture or revocation

Christine Sotelo, Program Manager  
Environmental Laboratory Accreditation Program



**CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Fields of Accreditation**



**Eurofins Calscience**

2841 Dow Avenue  
Tustin, CA 92780  
Phone: 7148955494

**Certificate Number: 3082  
Expiration Date: 7/31/2024**

**Field of Accreditation: 108 - Inorganic Constituents in Non-Potable Water**

108.001	001	Specific Conductance	EPA 120.1
108.009	001	Turbidity	EPA 180.1
108.013	001	Calcium	EPA 200.7
108.013	002	Magnesium	EPA 200.7
108.013	003	Phosphorus, Total	EPA 200.7
108.013	004	Potassium	EPA 200.7
108.013	005	Silica, Dissolved	EPA 200.7
108.013	006	Sodium	EPA 200.7
108.015	001	Calcium	EPA 200.8
108.015	002	Magnesium	EPA 200.8
108.015	003	Potassium	EPA 200.8
108.015	005	Sodium	EPA 200.8
108.017	001	Bromide	EPA 300.0
108.017	002	Chloride	EPA 300.0
108.017	003	Fluoride	EPA 300.0
108.017	004	Nitrate (as N)	EPA 300.0
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0
108.017	006	Nitrite (as N)	EPA 300.0
108.017	007	Phosphate, Ortho (as P)	EPA 300.0
108.017	008	Sulfate (as SO <sub>4</sub> )	EPA 300.0
108.019	001	Bromide	EPA 300.1
108.025	001	Ammonia (as N)	EPA 350.1
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.035	001	Phosphate, Ortho (as P)	EPA 365.1
108.035	002	Phosphorus, Total	EPA 365.1
108.045	001	Chemical Oxygen Demand	EPA 410.4
108.047	001	Phenols, Total	EPA 420.1
108.053	001	Oil & Grease, Total Recoverable	EPA 1664 A
108.053	002	Oil & Grease, Total Recoverable	EPA 1664 B
108.055	001	Color	SM 2120 B-2011
108.059	001	Turbidity	SM 2130 B-2011
108.061	001	Acidity	SM 2310 B-2011
108.063	001	Alkalinity	SM 2320 B-2011

108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.067	001	Hardness	SM 2340 C-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.109	001	Chlorine, Total Residual	SM 4500-CI F-2011
108.114	001	Chlorine, Total Residual	SM 4500-CI G-2011
108.114	002	Chlorine, Free	SM 4500-CI G-2011
108.117	001	Chloride	SM 4500-Chloride C-2011
108.125	001	Cyanide, Total	SM 4500-CN E-2011
108.129	001	Cyanide, Available	SM 4500-CN G-2011
108.131	001	Fluoride	SM 4500-F C-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.139	001	Ammonia (as N)	SM 4500-NH3 C-2011
108.139	002	Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 C-2011
108.140	001	Ammonia (as N)	SM 4500-NH3 D-2011
108.147	001	Ammonia (as N)	SM 4500-NH3 G-2011
108.153	001	Nitrite (as N)	SM 4500-NO2 B-2011
108.157	001	Nitrate-Nitrite (as N)	SM 4500-NO3 E-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011
108.175	001	Phosphate, Ortho (as P)	SM 4500-P E-2011
108.175	002	Phosphorus, Total	SM 4500-P E-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.219	001	Organic Carbon-Total (TOC)	SM 5310 D-2011
108.225	001	Surfactants	SM 5540 C-2011
108.335	001	Cyanide, Total	Kelada-01

**Field of Accreditation:**109 - Metals and Trace Elements in Non-Potable Water

109.623	001	Aluminum	EPA 200.7
109.623	002	Antimony	EPA 200.7
109.623	003	Arsenic	EPA 200.7
109.623	004	Barium	EPA 200.7
109.623	005	Beryllium	EPA 200.7
109.623	006	Boron	EPA 200.7
109.623	007	Cadmium	EPA 200.7
109.623	008	Chromium	EPA 200.7
109.623	009	Cobalt	EPA 200.7
109.623	010	Copper	EPA 200.7

109.623	011	Iron	EPA 200.7
109.623	012	Lead	EPA 200.7
109.623	013	Manganese	EPA 200.7
109.623	014	Molybdenum	EPA 200.7
109.623	015	Nickel	EPA 200.7
109.623	016	Selenium	EPA 200.7
109.623	017	Silver	EPA 200.7
109.623	018	Thallium	EPA 200.7
109.623	019	Tin	EPA 200.7
109.623	020	Titanium	EPA 200.7
109.623	021	Vanadium	EPA 200.7
109.623	022	Zinc	EPA 200.7
109.625	001	Aluminum	EPA 200.8
109.625	002	Antimony	EPA 200.8
109.625	003	Arsenic	EPA 200.8
109.625	004	Barium	EPA 200.8
109.625	005	Beryllium	EPA 200.8
109.625	006	Boron	EPA 200.8
109.625	007	Cadmium	EPA 200.8
109.625	008	Chromium	EPA 200.8
109.625	009	Cobalt	EPA 200.8
109.625	010	Copper	EPA 200.8
109.625	012	Iron	EPA 200.8
109.625	013	Lead	EPA 200.8
109.625	014	Manganese	EPA 200.8
109.625	015	Molybdenum	EPA 200.8
109.625	016	Nickel	EPA 200.8
109.625	017	Selenium	EPA 200.8
109.625	018	Silver	EPA 200.8
109.625	019	Thallium	EPA 200.8
109.625	020	Tin	EPA 200.8
109.625	021	Titanium	EPA 200.8
109.625	022	Vanadium	EPA 200.8
109.625	023	Zinc	EPA 200.8
109.629	001	Chromium VI (Hexavalent Chromium)	EPA 218.6
109.635	001	Mercury	EPA 245.1

**Field of Accreditation:**110 - Volatile Organic Constituents in Non-Potable Water

110.020	001	Benzene	EPA 602
110.020	006	Ethylbenzene	EPA 602
110.020	007	Toluene	EPA 602
110.040	001	Acetone	EPA 624.1
110.040	002	Acetonitrile	EPA 624.1

110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethyl vinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane (Ethylene Dichloride)	EPA 624.1
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 624.1
110.040	027	Ethanol	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	036	Tetrahydrofuran	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1
110.040	047	2-Butanone (MEK)	EPA 624.1

**Field of Accreditation:**111 - Semi-volatile Organic Constituents in Non-Potable Water

111.055	001	Aldrin	EPA 608.3
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111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016 (Aroclor-1016)	EPA 608.3
111.055	020	PCB-1221 (Aroclor-1221)	EPA 608.3
111.055	021	PCB-1232 (Aroclor-1232)	EPA 608.3
111.055	022	PCB-1242 (Aroclor-1242)	EPA 608.3
111.055	023	PCB-1248 (Aroclor-1248)	EPA 608.3
111.055	024	PCB-1254 (Aroclor-1254)	EPA 608.3
111.055	025	PCB-1260 (Aroclor-1260)	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	048	Mirex	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.070	001	Acenaphthene	EPA 610
111.070	002	Acenaphthylene	EPA 610
111.070	003	Anthracene	EPA 610
111.070	004	Benzo(a)anthracene	EPA 610
111.070	005	Benzo(a)pyrene	EPA 610
111.070	006	Benzo(b)fluoranthene	EPA 610
111.070	007	Benzo(g,h,i)perylene	EPA 610
111.070	008	Benzo(k)fluoranthene	EPA 610
111.070	009	Chrysene	EPA 610
111.070	010	Dibenz(a,h)anthracene	EPA 610
111.070	011	Fluoranthene	EPA 610
111.070	012	Fluorene	EPA 610
111.070	013	Indeno(1,2,3-c,d)pyrene	EPA 610
111.070	014	Naphthalene	EPA 610
111.070	015	Phenanthrene	EPA 610
111.070	016	Pyrene	EPA 610



111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	bis(2-Chloroisopropyl) ether (2,2'-Oxybis[1-chloropropane])	EPA 625.1
111.160	013	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitroso-di-n-propylamine	EPA 625.1
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1

111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.160	098	Hexachlorocyclopentadiene	EPA 625.1
111.160	108	N-nitrosodimethylamine	EPA 625.1
111.160	110	N-nitrosodiphenylamine	EPA 625.1
111.160	139	Acetophenone	EPA 625.1
111.160	140	Carbazole	EPA 625.1
111.160	141	o-Cresol	EPA 625.1
111.160	142	n-decane (n-C10)	EPA 625.1
111.160	143	1,2-Diphenylhydrazine	EPA 625.1
111.160	144	n-octadecane (n-C18)	EPA 625.1
111.160	145	Pyridine	EPA 625.1
111.160	147	m+p-Cresol	EPA 625.1
111.160	148	2-Methylnaphthalene	EPA 625.1
111.160	151	2,4,5-Trichlorophenol	EPA 625.1
111.260	041	N-nitrosodimethylamine	EPA 1625 B
111.260	042	N-nitroso-di-n-propylamine	EPA 1625 B

**Field of Accreditation:** 114 - Inorganic Constituents in Hazardous Waste

114.315	001	Aluminum	EPA 6010 B
114.315	002	Antimony	EPA 6010 B
114.315	003	Arsenic	EPA 6010 B
114.315	004	Barium	EPA 6010 B
114.315	005	Beryllium	EPA 6010 B
114.315	006	Boron	EPA 6010 B
114.315	007	Cadmium	EPA 6010 B
114.315	008	Calcium	EPA 6010 B
114.315	009	Chromium	EPA 6010 B
114.315	010	Cobalt	EPA 6010 B
114.315	011	Copper	EPA 6010 B
114.315	012	Iron	EPA 6010 B
114.315	013	Lead	EPA 6010 B
114.315	014	Magnesium	EPA 6010 B
114.315	015	Manganese	EPA 6010 B
114.315	016	Molybdenum	EPA 6010 B
114.315	017	Nickel	EPA 6010 B
114.315	018	Potassium	EPA 6010 B

114.315	019	Selenium	EPA 6010 B
114.315	020	Silver	EPA 6010 B
114.315	021	Sodium	EPA 6010 B
114.315	022	Strontium	EPA 6010 B
114.315	023	Thallium	EPA 6010 B
114.315	024	Tin	EPA 6010 B
114.315	025	Titanium	EPA 6010 B
114.315	026	Vanadium	EPA 6010 B
114.315	027	Zinc	EPA 6010 B
114.325	001	Aluminum	EPA 6010 D
114.325	002	Antimony	EPA 6010 D
114.325	003	Arsenic	EPA 6010 D
114.325	004	Barium	EPA 6010 D
114.325	005	Beryllium	EPA 6010 D
114.325	006	Boron	EPA 6010 D
114.325	007	Cadmium	EPA 6010 D
114.325	008	Calcium	EPA 6010 D
114.325	009	Chromium	EPA 6010 D
114.325	010	Cobalt	EPA 6010 D
114.325	011	Copper	EPA 6010 D
114.325	012	Iron	EPA 6010 D
114.325	013	Lead	EPA 6010 D
114.325	014	Magnesium	EPA 6010 D
114.325	015	Manganese	EPA 6010 D
114.325	016	Molybdenum	EPA 6010 D
114.325	017	Nickel	EPA 6010 D
114.325	018	Potassium	EPA 6010 D
114.325	019	Selenium	EPA 6010 D
114.325	020	Silver	EPA 6010 D
114.325	021	Sodium	EPA 6010 D
114.325	022	Strontium	EPA 6010 D
114.325	023	Thallium	EPA 6010 D
114.325	024	Tin	EPA 6010 D
114.325	025	Titanium	EPA 6010 D
114.325	026	Vanadium	EPA 6010 D
114.325	027	Zinc	EPA 6010 D
114.335	001	Aluminum	EPA 6020
114.335	002	Antimony	EPA 6020
114.335	003	Arsenic	EPA 6020
114.335	004	Barium	EPA 6020
114.335	005	Beryllium	EPA 6020
114.335	006	Cadmium	EPA 6020

114.335	007	Chromium	EPA 6020
114.335	008	Cobalt	EPA 6020
114.335	009	Copper	EPA 6020
114.335	010	Lead	EPA 6020
114.335	011	Manganese	EPA 6020
114.335	012	Nickel	EPA 6020
114.335	013	Silver	EPA 6020
114.335	014	Thallium	EPA 6020
114.335	015	Zinc	EPA 6020
114.335	016	Molybdenum	EPA 6020
114.335	017	Selenium	EPA 6020
114.335	018	Vanadium	EPA 6020
114.345	001	Aluminum	EPA 6020 B
114.345	002	Antimony	EPA 6020 B
114.345	003	Arsenic	EPA 6020 B
114.345	004	Barium	EPA 6020 B
114.345	005	Beryllium	EPA 6020 B
114.345	006	Cadmium	EPA 6020 B
114.345	007	Calcium	EPA 6020 B
114.345	008	Chromium	EPA 6020 B
114.345	009	Cobalt	EPA 6020 B
114.345	010	Copper	EPA 6020 B
114.345	011	Iron	EPA 6020 B
114.345	012	Lead	EPA 6020 B
114.345	013	Magnesium	EPA 6020 B
114.345	014	Manganese	EPA 6020 B
114.345	016	Nickel	EPA 6020 B
114.345	017	Potassium	EPA 6020 B
114.345	018	Selenium	EPA 6020 B
114.345	019	Silver	EPA 6020 B
114.345	020	Sodium	EPA 6020 B
114.345	021	Thallium	EPA 6020 B
114.345	022	Vanadium	EPA 6020 B
114.345	023	Zinc	EPA 6020 B
114.345	024	Molybdenum	EPA 6020 B
114.435	001	Chromium VI (Hexavalent Chromium)	EPA 7196 A
114.465	001	Chromium VI (Hexavalent Chromium)	EPA 7199
114.535	001	Mercury	EPA 7471 A
114.545	001	Mercury	EPA 7471 B
114.725	001	Cyanide, Total	EPA 9014
114.735	001	Sulfides	EPA 9034
114.745	001	Fluoride	EPA 9056

114.755	001	Fluoride	EPA 9056 A
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114.805	001	Oil & Grease (n-Hexane Extractable Materials)	EPA 9071 B
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**Field of Accreditation:115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste**

115.055	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
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115.085	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
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115.135	001	Corrosivity - pH Determination	EPA 9045 C
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115.145	001	Corrosivity - pH Determination	EPA 9045 D
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**Field of Accreditation:116 - Volatile Organic Compounds in Hazardous Waste**

116.220	001	Gasoline Range Organics (GRO)	EPA 8015 B
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116.221	001	Gasoline Range Organics (GRO)	EPA 8015 C
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116.225	001	Benzene	EPA 8021 B
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116.225	017	Ethylbenzene	EPA 8021 B
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116.225	023	Toluene	EPA 8021 B
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116.225	028	m+p-Xylene	EPA 8021 B
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116.225	029	o-Xylene	EPA 8021 B
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116.265	001	Benzene	EPA 8260 B
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116.265	002	Bromobenzene	EPA 8260 B
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116.265	003	Bromochloromethane	EPA 8260 B
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116.265	004	Bromodichloromethane	EPA 8260 B
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116.265	005	Bromoform	EPA 8260 B
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116.265	006	Bromomethane (Methyl Bromide)	EPA 8260 B
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116.265	007	n-Butylbenzene	EPA 8260 B
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116.265	008	sec-Butylbenzene	EPA 8260 B
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116.265	009	tert-Butylbenzene	EPA 8260 B
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116.265	010	Carbon Disulfide	EPA 8260 B
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116.265	011	Carbon Tetrachloride	EPA 8260 B
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116.265	012	Chlorobenzene	EPA 8260 B
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116.265	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 B
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116.265	014	Chloroethane	EPA 8260 B
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116.265	015	Chloroform	EPA 8260 B
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116.265	016	Chloromethane (Methyl Chloride)	EPA 8260 B
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116.265	017	Dibromomethane	EPA 8260 B
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116.265	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 B
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116.265	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 B
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116.265	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 B
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116.265	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 B
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116.265	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 B
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116.265	023	Ethylbenzene	EPA 8260 B
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116.265	024	Hexachlorobutadiene	EPA 8260 B
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116.265	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 B
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116.265	026	Methylene Chloride (Dichloromethane)	EPA 8260 B
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116.265	027	Naphthalene	EPA 8260 B
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116.265 029	N-propylbenzene	EPA 8260 B
116.265 030	Styrene	EPA 8260 B
116.265 031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 B
116.265 032	Toluene	EPA 8260 B
116.265 033	Trichloroethylene (Trichloroethene)	EPA 8260 B
116.265 034	Trichlorofluoromethane	EPA 8260 B
116.265 035	Vinyl Chloride	EPA 8260 B
116.265 036	m+p-Xylene	EPA 8260 B
116.265 037	o-Xylene	EPA 8260 B
116.265 040	1,1-Dichloroethane	EPA 8260 B
116.265 041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 B
116.265 042	1,1,1-Trichloroethane	EPA 8260 B
116.265 043	1,1,1,2-Tetrachloroethane	EPA 8260 B
116.265 044	1,1,2,2-Tetrachloroethane	EPA 8260 B
116.265 045	1,1,2-Trichloroethane	EPA 8260 B
116.265 046	1,2-Dichlorobenzene	EPA 8260 B
116.265 047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 B
116.265 048	1,2-Dibromoethane (EDB)	EPA 8260 B
116.265 049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 B
116.265 050	1,2-Dichloropropane	EPA 8260 B
116.265 051	1,2,3-Trichloropropane (TCP)	EPA 8260 B
116.265 052	1,2,4-Trichlorobenzene	EPA 8260 B
116.265 053	1,3-Dichlorobenzene	EPA 8260 B
116.265 054	1,4-Dichlorobenzene	EPA 8260 B
116.265 055	2-Chloroethyl vinyl Ether	EPA 8260 B
116.265 056	4-Chlorotoluene	EPA 8260 B
116.265 057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 B
116.265 058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 B
116.265 059	Diisopropyl ether (DIPE)	EPA 8260 B
116.265 060	1,4-Dioxane	EPA 8260 B
116.265 061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 B
116.265 062	tert-Amyl Methyl Ether (TAME)	EPA 8260 B
116.266 001	Gasoline Range Organics (GRO)	EPA 8260 B
116.266 002	Gasoline Range Organics (GRO) [LUFT Range]	EPA 8260 B
116.275 001	Benzene	EPA 8260 D
116.275 002	Bromobenzene	EPA 8260 D
116.275 003	Bromochloromethane	EPA 8260 D
116.275 004	Bromodichloromethane	EPA 8260 D
116.275 005	Bromoform	EPA 8260 D
116.275 006	Bromomethane (Methyl Bromide)	EPA 8260 D
116.275 007	n-Butylbenzene	EPA 8260 D
116.275 008	sec-Butylbenzene	EPA 8260 D

116.275 009	tert-Butylbenzene	EPA 8260 D
116.275 010	Carbon Disulfide	EPA 8260 D
116.275 011	Carbon Tetrachloride	EPA 8260 D
116.275 012	Chlorobenzene	EPA 8260 D
116.275 013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 D
116.275 014	Chloroethane	EPA 8260 D
116.275 015	Chloroform	EPA 8260 D
116.275 016	Chloromethane (Methyl Chloride)	EPA 8260 D
116.275 017	Dibromomethane	EPA 8260 D
116.275 018	Dichlorodifluoromethane (Freon 12)	EPA 8260 D
116.275 019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 D
116.275 020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 D
116.275 021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 D
116.275 022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 D
116.275 023	Ethylbenzene	EPA 8260 D
116.275 024	Hexachlorobutadiene	EPA 8260 D
116.275 025	Methyl tert-butyl Ether (MTBE)	EPA 8260 D
116.275 026	Methylene Chloride (Dichloromethane)	EPA 8260 D
116.275 027	Naphthalene	EPA 8260 D
116.275 029	N-propylbenzene	EPA 8260 D
116.275 030	Styrene	EPA 8260 D
116.275 031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 D
116.275 032	Toluene	EPA 8260 D
116.275 033	Trichloroethylene (Trichloroethene)	EPA 8260 D
116.275 034	Trichlorofluoromethane	EPA 8260 D
116.275 035	Vinyl Chloride	EPA 8260 D
116.275 036	m+p-Xylene	EPA 8260 D
116.275 037	o-Xylene	EPA 8260 D
116.275 040	1,1-Dichloroethane	EPA 8260 D
116.275 041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 D
116.275 042	1,1,1-Trichloroethane	EPA 8260 D
116.275 043	1,1,1,2-Tetrachloroethane	EPA 8260 D
116.275 044	1,1,2,2-Tetrachloroethane	EPA 8260 D
116.275 045	1,1,2-Trichloroethane	EPA 8260 D
116.275 046	1,2-Dichlorobenzene	EPA 8260 D
116.275 047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 D
116.275 048	1,2-Dibromoethane (EDB)	EPA 8260 D
116.275 049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 D
116.275 050	1,2-Dichloropropane	EPA 8260 D
116.275 051	1,2,3-Trichloropropane (TCP)	EPA 8260 D
116.275 052	1,2,4-Trichlorobenzene	EPA 8260 D
116.275 053	1,3-Dichlorobenzene	EPA 8260 D

116.275	054	1,4-Dichlorobenzene	EPA 8260 D
116.275	055	2-Chloroethyl vinyl Ether	EPA 8260 D
116.275	056	4-Chlorotoluene	EPA 8260 D
116.275	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 D
116.275	058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 D
116.275	059	Diisopropyl ether (DIPE)	EPA 8260 D
116.275	060	1,4-Dioxane	EPA 8260 D
116.275	061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 D
116.276	001	Gasoline Range Organics (GRO)	EPA 8260 D

**Field of Accreditation:117 - Semi-volatile Organic Chemistry of Hazardous Waste**

117.235	002	Diesel Range Organics (DRO)	EPA 8015 B
117.235	004	Oil Range Organics (ORO) [LUFT Range]	EPA 8015 B
117.245	002	Diesel Range Organics (DRO)	EPA 8015 C
117.245	004	Oil Range Organics (ORO) [LUFT Range]	EPA 8015 C
117.255	006	n-Butyl Alcohol (1-Butanol)	EPA 8015 B
117.255	012	Ethanol	EPA 8015 B
117.255	018	Isobutyl Alcohol	EPA 8015 B
117.255	019	Isopropyl Alcohol (Isopropanol)	EPA 8015 B
117.255	020	Methanol	EPA 8015 B
117.265	006	n-Butyl Alcohol (1-Butanol)	EPA 8015 C
117.265	012	Ethanol	EPA 8015 C
117.265	016	Isobutyl Alcohol	EPA 8015 C
117.265	017	Isopropyl Alcohol (Isopropanol)	EPA 8015 C
117.265	018	Methanol	EPA 8015 C
117.315	001	Aldrin	EPA 8081 A
117.315	002	alpha-BHC	EPA 8081 A
117.315	003	beta-BHC	EPA 8081 A
117.315	004	delta-BHC	EPA 8081 A
117.315	005	gamma-BHC (Lindane)	EPA 8081 A
117.315	006	Chlordane (total)	EPA 8081 A
117.315	008	4,4'-DDD	EPA 8081 A
117.315	009	4,4'-DDE	EPA 8081 A
117.315	010	4,4'-DDT	EPA 8081 A
117.315	011	Dieldrin	EPA 8081 A
117.315	012	Endosulfan I	EPA 8081 A
117.315	013	Endosulfan II	EPA 8081 A
117.315	014	Endosulfan Sulfate	EPA 8081 A
117.315	015	Endrin	EPA 8081 A
117.315	016	Endrin Aldehyde	EPA 8081 A
117.315	017	Endrin Ketone	EPA 8081 A
117.315	018	Heptachlor	EPA 8081 A
117.315	019	Heptachlor Epoxide	EPA 8081 A



117.315	020	Methoxychlor	EPA 8081 A
117.315	021	Toxaphene	EPA 8081 A
117.325	001	Aldrin	EPA 8081 B
117.325	002	alpha-BHC	EPA 8081 B
117.325	003	beta-BHC	EPA 8081 B
117.325	004	delta-BHC	EPA 8081 B
117.325	005	gamma-BHC (Lindane)	EPA 8081 B
117.325	006	Chlordane (total)	EPA 8081 B
117.325	008	4,4'-DDD	EPA 8081 B
117.325	009	4,4'-DDE	EPA 8081 B
117.325	010	4,4'-DDT	EPA 8081 B
117.325	011	Dieldrin	EPA 8081 B
117.325	012	Endosulfan I	EPA 8081 B
117.325	013	Endosulfan II	EPA 8081 B
117.325	014	Endosulfan Sulfate	EPA 8081 B
117.325	015	Endrin	EPA 8081 B
117.325	016	Endrin Aldehyde	EPA 8081 B
117.325	017	Endrin Ketone	EPA 8081 B
117.325	018	Heptachlor	EPA 8081 B
117.325	019	Heptachlor Epoxide	EPA 8081 B
117.325	020	Methoxychlor	EPA 8081 B
117.325	021	Toxaphene	EPA 8081 B
117.335	001	Aroclor 1016	EPA 8082
117.335	002	Aroclor 1221	EPA 8082
117.335	003	Aroclor 1232	EPA 8082
117.335	004	Aroclor 1242	EPA 8082
117.335	005	Aroclor 1248	EPA 8082
117.335	006	Aroclor 1254	EPA 8082
117.335	007	Aroclor 1260	EPA 8082
117.345	001	Aroclor 1016	EPA 8082 A
117.345	002	Aroclor 1221	EPA 8082 A
117.345	003	Aroclor 1232	EPA 8082 A
117.345	004	Aroclor 1242	EPA 8082 A
117.345	005	Aroclor 1248	EPA 8082 A
117.345	006	Aroclor 1254	EPA 8082 A
117.345	007	Aroclor 1260	EPA 8082 A
117.405	001	Azinphos Methyl	EPA 8141 A
117.405	002	Chlorpyrifos	EPA 8141 A
117.405	005	Diazinon	EPA 8141 A
117.405	006	Dichlorvos (DDVP)	EPA 8141 A
117.405	007	Disulfoton	EPA 8141 A
117.405	008	Malathion	EPA 8141 A

117.405	009	Parathion Ethyl	EPA 8141 A
117.405	010	Parathion Methyl	EPA 8141 A
117.405	011	Phorate	EPA 8141 A
117.405	012	Ronnel	EPA 8141 A
117.405	013	Stirophos (Tetrachlorovinphos)	EPA 8141 A
117.415	001	Azinphos Methyl	EPA 8141 B
117.415	002	Chlorpyrifos	EPA 8141 B
117.415	003	Demeton-O	EPA 8141 B
117.415	004	Demeton-S	EPA 8141 B
117.415	005	Diazinon	EPA 8141 B
117.415	006	Dichlorvos (DDVP)	EPA 8141 B
117.415	007	Disulfoton	EPA 8141 B
117.415	008	Malathion	EPA 8141 B
117.415	009	Parathion Ethyl	EPA 8141 B
117.415	010	Parathion Methyl	EPA 8141 B
117.415	011	Phorate	EPA 8141 B
117.415	012	Ronnel	EPA 8141 B
117.415	013	Stirophos (Tetrachlorovinphos)	EPA 8141 B
117.425	001	2,4-D	EPA 8151 A
117.425	002	2,4-DB	EPA 8151 A
117.425	003	2,4,5-TP (Silvex)	EPA 8151 A
117.425	004	2,4,5-T	EPA 8151 A
117.425	005	Dalapon	EPA 8151 A
117.425	006	Dicamba	EPA 8151 A
117.425	007	Dichloroprop	EPA 8151 A
117.425	008	Dinoseb	EPA 8151 A
117.425	009	MCPA	EPA 8151 A
117.425	010	MCPP	EPA 8151 A
117.435	001	Acenaphthene	EPA 8270 C
117.435	002	Acenaphthylene	EPA 8270 C
117.435	003	Aniline	EPA 8270 C
117.435	004	Anthracene	EPA 8270 C
117.435	005	Benzidine	EPA 8270 C
117.435	006	Benzoic Acid	EPA 8270 C
117.435	007	Benzo(a)anthracene	EPA 8270 C
117.435	008	Benzo(b)fluoranthene	EPA 8270 C
117.435	009	Benzo(k)fluoranthene	EPA 8270 C
117.435	010	Benzo(g,h,i)perylene	EPA 8270 C
117.435	011	Benzo(a)pyrene	EPA 8270 C
117.435	012	Benzyl Alcohol	EPA 8270 C
117.435	013	Bis(2-chloroethoxy) Methane	EPA 8270 C
117.435	014	Bis(2-chloroethyl) Ether	EPA 8270 C

117.435	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 C
117.435	016	Butyl Benzyl Phthalate	EPA 8270 C
117.435	017	Chrysene	EPA 8270 C
117.435	018	Dibenz(a,h)anthracene	EPA 8270 C
117.435	019	Dibenzofuran	EPA 8270 C
117.435	020	Di-n-butyl Phthalate	EPA 8270 C
117.435	021	Diethyl Phthalate	EPA 8270 C
117.435	022	Dimethyl Phthalate	EPA 8270 C
117.435	023	Di-n-octyl Phthalate	EPA 8270 C
117.435	024	Fluoranthene	EPA 8270 C
117.435	025	Fluorene	EPA 8270 C
117.435	026	Naphthalene	EPA 8270 C
117.435	027	Nitrobenzene	EPA 8270 C
117.435	028	Pentachlorobenzene	EPA 8270 C
117.435	029	Pentachlorophenol	EPA 8270 C
117.435	031	1,2-Dichlorobenzene	EPA 8270 C
117.435	032	1,3-Dichlorobenzene	EPA 8270 C
117.435	033	1,4-Dichlorobenzene	EPA 8270 C
117.435	034	2-Chloronaphthalene	EPA 8270 C
117.435	035	2-Chlorophenol	EPA 8270 C
117.435	036	2,4-Dichlorophenol	EPA 8270 C
117.435	037	2,4-Dimethylphenol	EPA 8270 C
117.435	038	2,4-Dinitrophenol	EPA 8270 C
117.435	039	2,4-Dinitrotoluene	EPA 8270 C
117.435	040	2,6-Dichlorophenol	EPA 8270 C
117.435	041	2,6-Dinitrotoluene	EPA 8270 C
117.435	042	2-Nitroaniline	EPA 8270 C
117.435	043	2-Nitrophenol	EPA 8270 C
117.435	044	3-Nitroaniline	EPA 8270 C
117.435	045	3,3'-Dichlorobenzidine	EPA 8270 C
117.435	046	4-Chloroaniline	EPA 8270 C
117.435	047	4-Chloro-3-methylphenol	EPA 8270 C
117.435	048	4-Bromophenyl Phenyl Ether	EPA 8270 C
117.435	049	4-Chlorophenyl Phenyl Ether	EPA 8270 C
117.435	050	4-Nitroaniline	EPA 8270 C
117.435	051	4-Nitrophenol	EPA 8270 C
117.435	052	Aldrin	EPA 8270 C
117.435	053	alpha-BHC	EPA 8270 C
117.435	054	beta-BHC	EPA 8270 C
117.435	055	delta-BHC	EPA 8270 C
117.435	056	gamma-BHC (Lindane)	EPA 8270 C
117.435	057	4,4'-DDD	EPA 8270 C

117.435	058	4,4'-DDE	EPA 8270 C
117.435	059	4,4'-DDT	EPA 8270 C
117.435	060	Dieldrin	EPA 8270 C
117.435	061	Dinoseb	EPA 8270 C
117.435	062	Endosulfan I	EPA 8270 C
117.435	063	Endosulfan II	EPA 8270 C
117.435	064	Endosulfan Sulfate	EPA 8270 C
117.435	065	Endrin	EPA 8270 C
117.435	066	Endrin Aldehyde	EPA 8270 C
117.435	067	Endrin Ketone	EPA 8270 C
117.435	068	Heptachlor	EPA 8270 C
117.435	069	Heptachlor Epoxide	EPA 8270 C
117.435	070	Methoxychlor	EPA 8270 C
117.435	074	Disulfoton	EPA 8270 C
117.435	076	Parathion Ethyl	EPA 8270 C
117.435	077	Parathion Methyl	EPA 8270 C
117.435	078	Phorate	EPA 8270 C
117.435	087	N-nitrosodiethylamine	EPA 8270 C
117.435	088	N-nitrosodimethylamine	EPA 8270 C
117.435	089	N-nitrosodiphenylamine	EPA 8270 C
117.435	090	N-nitroso-di-n-propylamine	EPA 8270 C
117.435	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 C
117.435	092	Isophorone	EPA 8270 C
117.435	093	2-Methylnaphthalene	EPA 8270 C
117.435	094	Phenanthrene	EPA 8270 C
117.445	001	Acenaphthene	EPA 8270 E
117.445	002	Acenaphthylene	EPA 8270 E
117.445	003	Aniline	EPA 8270 E
117.445	004	Anthracene	EPA 8270 E
117.445	005	Benzidine	EPA 8270 E
117.445	006	Benzoic Acid	EPA 8270 E
117.445	007	Benzo(a)anthracene	EPA 8270 E
117.445	008	Benzo(b)fluoranthene	EPA 8270 E
117.445	009	Benzo(k)fluoranthene	EPA 8270 E
117.445	010	Benzo(g,h,i)perylene	EPA 8270 E
117.445	011	Benzo(a)pyrene	EPA 8270 E
117.445	012	Benzyl Alcohol	EPA 8270 E
117.445	013	Bis(2-chloroethoxy) Methane	EPA 8270 E
117.445	014	Bis(2-chloroethyl) Ether	EPA 8270 E
117.445	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 E
117.445	016	Butyl Benzyl Phthalate	EPA 8270 E
117.445	017	Chrysene	EPA 8270 E

117.445	018	Dibenz(a,h)anthracene	EPA 8270 E
117.445	019	Dibenzofuran	EPA 8270 E
117.445	020	Di-n-butyl Phthalate	EPA 8270 E
117.445	021	Diethyl Phthalate	EPA 8270 E
117.445	022	Dimethyl Phthalate	EPA 8270 E
117.445	023	Di-n-octyl Phthalate	EPA 8270 E
117.445	024	Fluoranthene	EPA 8270 E
117.445	025	Fluorene	EPA 8270 E
117.445	026	Naphthalene	EPA 8270 E
117.445	027	Nitrobenzene	EPA 8270 E
117.445	028	Pentachlorobenzene	EPA 8270 E
117.445	029	Pentachlorophenol	EPA 8270 E
117.445	031	1,2-Dichlorobenzene	EPA 8270 E
117.445	032	1,3-Dichlorobenzene	EPA 8270 E
117.445	033	1,4-Dichlorobenzene	EPA 8270 E
117.445	034	2-Chloronaphthalene	EPA 8270 E
117.445	035	2-Chlorophenol	EPA 8270 E
117.445	036	2,4-Dichlorophenol	EPA 8270 E
117.445	037	2,4-Dimethylphenol	EPA 8270 E
117.445	038	2,4-Dinitrophenol	EPA 8270 E
117.445	039	2,4-Dinitrotoluene	EPA 8270 E
117.445	040	2,6-Dichlorophenol	EPA 8270 E
117.445	041	2,6-Dinitrotoluene	EPA 8270 E
117.445	042	2-Nitroaniline	EPA 8270 E
117.445	043	2-Nitrophenol	EPA 8270 E
117.445	044	3-Nitroaniline	EPA 8270 E
117.445	045	3,3'-Dichlorobenzidine	EPA 8270 E
117.445	046	4-Chloroaniline	EPA 8270 E
117.445	047	4-Chloro-3-methylphenol	EPA 8270 E
117.445	048	4-Bromophenyl Phenyl Ether	EPA 8270 E
117.445	049	4-Chlorophenyl Phenyl Ether	EPA 8270 E
117.445	050	4-Nitroaniline	EPA 8270 E
117.445	051	4-Nitrophenol	EPA 8270 E
117.445	052	Aldrin	EPA 8270 E
117.445	053	alpha-BHC	EPA 8270 E
117.445	054	beta-BHC	EPA 8270 E
117.445	055	delta-BHC	EPA 8270 E
117.445	056	gamma-BHC (Lindane)	EPA 8270 E
117.445	057	4,4'-DDD	EPA 8270 E
117.445	058	4,4'-DDE	EPA 8270 E
117.445	059	4,4'-DDT	EPA 8270 E
117.445	060	Dieldrin	EPA 8270 E

117.445	061	Dinoseb	EPA 8270 E
117.445	062	Endosulfan I	EPA 8270 E
117.445	063	Endosulfan II	EPA 8270 E
117.445	064	Endosulfan Sulfate	EPA 8270 E
117.445	065	Endrin	EPA 8270 E
117.445	066	Endrin Aldehyde	EPA 8270 E
117.445	067	Endrin Ketone	EPA 8270 E
117.445	068	Heptachlor	EPA 8270 E
117.445	069	Heptachlor Epoxide	EPA 8270 E
117.445	070	Methoxychlor	EPA 8270 E
117.445	074	Disulfoton	EPA 8270 E
117.445	076	Parathion Ethyl	EPA 8270 E
117.445	077	Parathion Methyl	EPA 8270 E
117.445	078	Phorate	EPA 8270 E
117.445	087	N-nitrosodiethylamine	EPA 8270 E
117.445	088	N-nitrosodimethylamine	EPA 8270 E
117.445	089	N-nitrosodiphenylamine	EPA 8270 E
117.445	090	N-nitroso-di-n-propylamine	EPA 8270 E
117.445	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 E
117.445	092	Isophorone	EPA 8270 E
117.445	093	2-Methylnaphthalene	EPA 8270 E
117.445	094	Phenanthrene	EPA 8270 E
117.475	001	Acenaphthene	EPA 8310
117.475	002	Acenaphthylene	EPA 8310
117.475	003	Anthracene	EPA 8310
117.475	004	Benzo(a)anthracene	EPA 8310
117.475	005	Benzo(a)pyrene	EPA 8310
117.475	006	Benzo(b)fluoranthene	EPA 8310
117.475	007	Benzo(g,h,i)perylene	EPA 8310
117.475	008	Benzo(k)fluoranthene	EPA 8310
117.475	009	Chrysene	EPA 8310
117.475	010	Dibenz(a,h)anthracene	EPA 8310
117.475	011	Fluoranthene	EPA 8310
117.475	012	Fluorene	EPA 8310
117.475	013	Indeno(1,2,3-c,d)pyrene	EPA 8310
117.475	014	Naphthalene	EPA 8310
117.475	015	Phenanthrene	EPA 8310
117.475	016	Pyrene	EPA 8310
117.485	001	Acetaldehyde	EPA 8315 A
117.485	010	Formaldehyde	EPA 8315 A
117.535	001	Nitrobenzene	EPA 8330
117.535	002	1,3-Dinitrobenzene	EPA 8330

117.535	003	1,3,5-Trinitrobenzene	EPA 8330
117.535	004	2,4-Dinitrotoluene	EPA 8330
117.535	005	2,4,6-Trinitrotoluene	EPA 8330
117.535	006	2,6-Dinitrotoluene	EPA 8330
117.535	007	2-Nitrotoluene	EPA 8330
117.535	008	3-Nitrotoluene	EPA 8330
117.535	009	4-Nitrotoluene	EPA 8330
117.545	001	1,3,5-Trinitrobenzene	EPA 8330 A
117.545	002	1,3-Dinitrobenzene	EPA 8330 A
117.545	003	Nitrobenzene	EPA 8330 A
117.545	004	2,4,6-Trinitrotoluene	EPA 8330 A
117.545	005	2,4-Dinitrotoluene	EPA 8330 A
117.545	006	2,6-Dinitrotoluene	EPA 8330 A
117.545	007	2-Nitrotoluene	EPA 8330 A
117.545	008	3-Nitrotoluene	EPA 8330 A
117.545	009	4-Nitrotoluene	EPA 8330 A

**Field of Accreditation:**130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)

130.010	001	Aluminum	EPA 6010 B
130.010	002	Antimony	EPA 6010 B
130.010	003	Arsenic	EPA 6010 B
130.010	004	Barium	EPA 6010 B
130.010	005	Beryllium	EPA 6010 B
130.010	006	Boron	EPA 6010 B
130.010	007	Cadmium	EPA 6010 B
130.010	008	Calcium	EPA 6010 B
130.010	009	Chromium	EPA 6010 B
130.010	010	Cobalt	EPA 6010 B
130.010	011	Copper	EPA 6010 B
130.010	012	Iron	EPA 6010 B
130.010	013	Lead	EPA 6010 B
130.010	014	Magnesium	EPA 6010 B
130.010	015	Manganese	EPA 6010 B
130.010	016	Molybdenum	EPA 6010 B
130.010	017	Nickel	EPA 6010 B
130.010	018	Potassium	EPA 6010 B
130.010	019	Selenium	EPA 6010 B
130.010	020	Silver	EPA 6010 B
130.010	021	Sodium	EPA 6010 B
130.010	022	Strontium	EPA 6010 B
130.010	023	Thallium	EPA 6010 B
130.010	024	Tin	EPA 6010 B
130.010	025	Titanium	EPA 6010 B

130.010	026	Vanadium	EPA 6010 B
130.010	027	Zinc	EPA 6010 B
130.020	001	Aluminum	EPA 6010 D
130.020	002	Antimony	EPA 6010 D
130.020	003	Arsenic	EPA 6010 D
130.020	004	Barium	EPA 6010 D
130.020	005	Beryllium	EPA 6010 D
130.020	006	Boron	EPA 6010 D
130.020	007	Cadmium	EPA 6010 D
130.020	008	Calcium	EPA 6010 D
130.020	009	Chromium	EPA 6010 D
130.020	010	Cobalt	EPA 6010 D
130.020	011	Copper	EPA 6010 D
130.020	012	Iron	EPA 6010 D
130.020	013	Lead	EPA 6010 D
130.020	014	Magnesium	EPA 6010 D
130.020	015	Manganese	EPA 6010 D
130.020	016	Molybdenum	EPA 6010 D
130.020	017	Nickel	EPA 6010 D
130.020	018	Potassium	EPA 6010 D
130.020	019	Selenium	EPA 6010 D
130.020	020	Silver	EPA 6010 D
130.020	021	Sodium	EPA 6010 D
130.020	022	Strontium	EPA 6010 D
130.020	023	Thallium	EPA 6010 D
130.020	024	Tin	EPA 6010 D
130.020	025	Titanium	EPA 6010 D
130.020	026	Vanadium	EPA 6010 D
130.020	027	Zinc	EPA 6010 D
130.030	001	Aluminum	EPA 6020
130.030	002	Antimony	EPA 6020
130.030	003	Arsenic	EPA 6020
130.030	004	Barium	EPA 6020
130.030	005	Beryllium	EPA 6020
130.030	006	Cadmium	EPA 6020
130.030	007	Chromium	EPA 6020
130.030	008	Cobalt	EPA 6020
130.030	009	Copper	EPA 6020
130.030	010	Lead	EPA 6020
130.030	011	Manganese	EPA 6020
130.030	012	Nickel	EPA 6020
130.030	013	Silver	EPA 6020



130.030	014	Thallium	EPA 6020
130.030	015	Zinc	EPA 6020
130.030	016	Molybdenum	EPA 6020
130.030	017	Selenium	EPA 6020
130.030	018	Vanadium	EPA 6020
130.040	001	Aluminum	EPA 6020 B
130.040	002	Antimony	EPA 6020 B
130.040	003	Arsenic	EPA 6020 B
130.040	004	Barium	EPA 6020 B
130.040	005	Beryllium	EPA 6020 B
130.040	006	Cadmium	EPA 6020 B
130.040	007	Calcium	EPA 6020 B
130.040	008	Chromium	EPA 6020 B
130.040	009	Cobalt	EPA 6020 B
130.040	010	Copper	EPA 6020 B
130.040	011	Iron	EPA 6020 B
130.040	012	Lead	EPA 6020 B
130.040	013	Magnesium	EPA 6020 B
130.040	014	Manganese	EPA 6020 B
130.040	016	Nickel	EPA 6020 B
130.040	017	Potassium	EPA 6020 B
130.040	018	Selenium	EPA 6020 B
130.040	019	Silver	EPA 6020 B
130.040	020	Sodium	EPA 6020 B
130.040	021	Thallium	EPA 6020 B
130.040	022	Vanadium	EPA 6020 B
130.040	023	Zinc	EPA 6020 B
130.040	024	Molybdenum	EPA 6020 B
130.140	001	Chromium VI (Hexavalent Chromium)	EPA 7196 A
130.170	001	Chromium VI (Hexavalent Chromium)	EPA 7199
130.250	001	Mercury	EPA 7470 A
130.450	001	Cyanide, Total	EPA 9014
130.460	001	Sulfides	EPA 9034
130.470	001	Fluoride	EPA 9056
130.480	001	Fluoride	EPA 9056 A
130.490	001	Organic Carbon-Total (TOC)	EPA 9060 A

**Field of Accreditation:**131 - Leaching/Extraction, Physical Characteristics in Hazardous Waste (Matrix Aqueous)

131.010	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
131.040	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
131.060	001	Ignitability	EPA 1010
131.070	001	Ignitability	EPA 1010 A
131.110	001	Corrosivity - pH Determination	EPA 9040 B

131.120	001	Corrosivity - pH Determination	EPA 9040 C
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**Field of Accreditation:**132 - Volatile Organic Compounds in Hazardous Waste (Matrix Aqueous)
 

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132.015	001	Gasoline Range Organics (GRO)	EPA 8015 B
132.016	001	Gasoline Range Organics (GRO)	EPA 8015 C
132.020	001	Benzene	EPA 8021 B
132.020	017	Ethylbenzene	EPA 8021 B
132.020	023	Toluene	EPA 8021 B
132.020	028	m+p-Xylene	EPA 8021 B
132.020	029	o-Xylene	EPA 8021 B
132.060	001	Benzene	EPA 8260 B
132.060	002	Bromobenzene	EPA 8260 B
132.060	003	Bromochloromethane	EPA 8260 B
132.060	004	Bromodichloromethane	EPA 8260 B
132.060	005	Bromoform	EPA 8260 B
132.060	006	Bromomethane (Methyl Bromide)	EPA 8260 B
132.060	007	n-Butylbenzene	EPA 8260 B
132.060	008	sec-Butylbenzene	EPA 8260 B
132.060	009	tert-Butylbenzene	EPA 8260 B
132.060	010	Carbon Disulfide	EPA 8260 B
132.060	011	Carbon Tetrachloride	EPA 8260 B
132.060	012	Chlorobenzene	EPA 8260 B
132.060	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 B
132.060	014	Chloroethane	EPA 8260 B
132.060	015	Chloroform	EPA 8260 B
132.060	016	Chloromethane (Methyl Chloride)	EPA 8260 B
132.060	017	Dibromomethane	EPA 8260 B
132.060	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 B
132.060	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 B
132.060	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 B
132.060	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 B
132.060	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 B
132.060	023	Ethylbenzene	EPA 8260 B
132.060	024	Hexachlorobutadiene	EPA 8260 B
132.060	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 B
132.060	026	Methylene Chloride (Dichloromethane)	EPA 8260 B
132.060	027	Naphthalene	EPA 8260 B
132.060	029	N-propylbenzene	EPA 8260 B
132.060	030	Styrene	EPA 8260 B
132.060	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 B
132.060	032	Toluene	EPA 8260 B
132.060	033	Trichloroethylene (Trichloroethene)	EPA 8260 B
132.060	034	Trichlorofluoromethane	EPA 8260 B

132.060	035	Vinyl Chloride	EPA 8260 B
132.060	036	m+p-Xylene	EPA 8260 B
132.060	037	o-Xylene	EPA 8260 B
132.060	040	1,1-Dichloroethane	EPA 8260 B
132.060	041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 B
132.060	042	1,1,1-Trichloroethane	EPA 8260 B
132.060	043	1,1,1,2-Tetrachloroethane	EPA 8260 B
132.060	044	1,1,2,2-Tetrachloroethane	EPA 8260 B
132.060	045	1,1,2-Trichloroethane	EPA 8260 B
132.060	046	1,2-Dichlorobenzene	EPA 8260 B
132.060	047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 B
132.060	048	1,2-Dibromoethane (EDB)	EPA 8260 B
132.060	049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 B
132.060	050	1,2-Dichloropropane	EPA 8260 B
132.060	051	1,2,3-Trichloropropane (TCP)	EPA 8260 B
132.060	052	1,2,4-Trichlorobenzene	EPA 8260 B
132.060	053	1,3-Dichlorobenzene	EPA 8260 B
132.060	054	1,4-Dichlorobenzene	EPA 8260 B
132.060	055	2-Chloroethyl vinyl Ether	EPA 8260 B
132.060	056	4-Chlorotoluene	EPA 8260 B
132.060	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 B
132.060	058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 B
132.060	059	Diisopropyl ether (DIPE)	EPA 8260 B
132.060	060	1,4-Dioxane	EPA 8260 B
132.060	061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 B
132.060	062	tert-Amyl Methyl Ether (TAME)	EPA 8260 B
132.061	001	Gasoline Range Organics (GRO)	EPA 8260 B
132.070	001	Benzene	EPA 8260 D
132.070	002	Bromobenzene	EPA 8260 D
132.070	003	Bromochloromethane	EPA 8260 D
132.070	004	Bromodichloromethane	EPA 8260 D
132.070	005	Bromoform	EPA 8260 D
132.070	006	Bromomethane (Methyl Bromide)	EPA 8260 D
132.070	007	n-Butylbenzene	EPA 8260 D
132.070	008	sec-Butylbenzene	EPA 8260 D
132.070	009	tert-Butylbenzene	EPA 8260 D
132.070	010	Carbon Disulfide	EPA 8260 D
132.070	011	Carbon Tetrachloride	EPA 8260 D
132.070	012	Chlorobenzene	EPA 8260 D
132.070	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 D
132.070	014	Chloroethane	EPA 8260 D
132.070	015	Chloroform	EPA 8260 D

132.070	016	Chloromethane (Methyl Chloride)	EPA 8260 D
132.070	017	Dibromomethane	EPA 8260 D
132.070	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 D
132.070	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 D
132.070	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 D
132.070	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 D
132.070	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 D
132.070	023	Ethylbenzene	EPA 8260 D
132.070	024	Hexachlorobutadiene	EPA 8260 D
132.070	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 D
132.070	026	Methylene Chloride (Dichloromethane)	EPA 8260 D
132.070	027	Naphthalene	EPA 8260 D
132.070	029	N-propylbenzene	EPA 8260 D
132.070	030	Styrene	EPA 8260 D
132.070	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 D
132.070	032	Toluene	EPA 8260 D
132.070	033	Trichloroethylene (Trichloroethene)	EPA 8260 D
132.070	034	Trichlorofluoromethane	EPA 8260 D
132.070	035	Vinyl Chloride	EPA 8260 D
132.070	036	m+p-Xylene	EPA 8260 D
132.070	037	o-Xylene	EPA 8260 D
132.070	040	1,1-Dichloroethane	EPA 8260 D
132.070	041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 D
132.070	042	1,1,1-Trichloroethane	EPA 8260 D
132.070	043	1,1,1,2-Tetrachloroethane	EPA 8260 D
132.070	044	1,1,2,2-Tetrachloroethane	EPA 8260 D
132.070	045	1,1,2-Trichloroethane	EPA 8260 D
132.070	046	1,2-Dichlorobenzene	EPA 8260 D
132.070	047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 D
132.070	048	1,2-Dibromoethane (EDB)	EPA 8260 D
132.070	049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 D
132.070	050	1,2-Dichloropropane	EPA 8260 D
132.070	051	1,2,3-Trichloropropane (TCP)	EPA 8260 D
132.070	052	1,2,4-Trichlorobenzene	EPA 8260 D
132.070	053	1,3-Dichlorobenzene	EPA 8260 D
132.070	054	1,4-Dichlorobenzene	EPA 8260 D
132.070	055	2-Chloroethyl vinyl Ether	EPA 8260 D
132.070	056	4-Chlorotoluene	EPA 8260 D
132.070	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 D
132.070	058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 D
132.070	059	Diisopropyl ether (DIPE)	EPA 8260 D
132.070	060	1,4-Dioxane	EPA 8260 D

132.070	061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 D
132.070	062	tert-Amyl Methyl Ether (TAME)	EPA 8260 D
132.071	001	Gasoline Range Organics (GRO)	EPA 8260 D

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**Field of Accreditation:**133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)
 

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133.010	002	Diesel Range Organics (DRO)	EPA 8015 B
133.020	002	Diesel Range Organics (DRO)	EPA 8015 C
133.030	006	n-Butyl Alcohol (1-Butanol)	EPA 8015 B
133.030	012	Ethanol	EPA 8015 B
133.030	018	Isobutyl Alcohol	EPA 8015 B
133.030	019	Isopropyl Alcohol (Isopropanol)	EPA 8015 B
133.030	020	Methanol	EPA 8015 B
133.040	006	n-Butyl Alcohol (1-Butanol)	EPA 8015 C
133.040	012	Ethanol	EPA 8015 C
133.040	016	Isobutyl Alcohol	EPA 8015 C
133.040	017	Isopropyl Alcohol (Isopropanol)	EPA 8015 C
133.040	018	Methanol	EPA 8015 C
133.090	001	Aldrin	EPA 8081 A
133.090	002	alpha-BHC	EPA 8081 A
133.090	003	beta-BHC	EPA 8081 A
133.090	004	delta-BHC	EPA 8081 A
133.090	005	gamma-BHC (Lindane)	EPA 8081 A
133.090	006	Chlordane	EPA 8081 A
133.090	008	4,4'-DDD	EPA 8081 A
133.090	009	4,4'-DDE	EPA 8081 A
133.090	010	4,4'-DDT	EPA 8081 A
133.090	011	Dieldrin	EPA 8081 A
133.090	012	Endosulfan I	EPA 8081 A
133.090	013	Endosulfan II	EPA 8081 A
133.090	014	Endosulfan Sulfate	EPA 8081 A
133.090	015	Endrin	EPA 8081 A
133.090	016	Endrin Aldehyde	EPA 8081 A
133.090	017	Endrin Ketone	EPA 8081 A
133.090	018	Heptachlor	EPA 8081 A
133.090	019	Heptachlor Epoxide	EPA 8081 A
133.090	020	Methoxychlor	EPA 8081 A
133.090	021	Toxaphene	EPA 8081 A
133.110	001	Aldrin	EPA 8081 B
133.110	002	alpha-BHC	EPA 8081 B
133.110	003	beta-BHC	EPA 8081 B
133.110	004	delta-BHC	EPA 8081 B
133.110	005	gamma-BHC (Lindane)	EPA 8081 B
133.110	006	Chlordane	EPA 8081 B

133.110	008	4,4'-DDD	EPA 8081 B
133.110	009	4,4'-DDE	EPA 8081 B
133.110	010	4,4'-DDT	EPA 8081 B
133.110	011	Dieldrin	EPA 8081 B
133.110	012	Endosulfan I	EPA 8081 B
133.110	013	Endosulfan II	EPA 8081 B
133.110	014	Endosulfan Sulfate	EPA 8081 B
133.110	015	Endrin	EPA 8081 B
133.110	016	Endrin Aldehyde	EPA 8081 B
133.110	017	Endrin Ketone	EPA 8081 B
133.110	018	Heptachlor	EPA 8081 B
133.110	019	Heptachlor Epoxide	EPA 8081 B
133.110	020	Methoxychlor	EPA 8081 B
133.110	021	Toxaphene	EPA 8081 B
133.120	001	Aroclor 1016	EPA 8082
133.120	002	Aroclor 1221	EPA 8082
133.120	003	Aroclor 1232	EPA 8082
133.120	004	Aroclor 1242	EPA 8082
133.120	005	Aroclor 1248	EPA 8082
133.120	006	Aroclor 1254	EPA 8082
133.120	007	Aroclor 1260	EPA 8082
133.130	001	Aroclor 1016	EPA 8082 A
133.130	002	Aroclor 1221	EPA 8082 A
133.130	003	Aroclor 1232	EPA 8082 A
133.130	004	Aroclor 1242	EPA 8082 A
133.130	005	Aroclor 1248	EPA 8082 A
133.130	006	Aroclor 1254	EPA 8082 A
133.130	007	Aroclor 1260	EPA 8082 A
133.190	001	Azinphos Methyl	EPA 8141 A
133.190	002	Chlorpyrifos	EPA 8141 A
133.190	005	Diazinon	EPA 8141 A
133.190	006	Dichlorvos (DDVP)	EPA 8141 A
133.190	007	Disulfoton	EPA 8141 A
133.190	008	Malathion	EPA 8141 A
133.190	009	Parathion Ethyl	EPA 8141 A
133.190	010	Parathion Methyl	EPA 8141 A
133.190	011	Phorate	EPA 8141 A
133.190	012	Ronnel	EPA 8141 A
133.190	013	Stirophos (Tetrachlorovinphos)	EPA 8141 A
133.210	001	Azinphos Methyl	EPA 8141 B
133.210	002	Chlorpyrifos	EPA 8141 B
133.210	003	Demeton-O	EPA 8141 B

133.210	004	Demeton-S	EPA 8141 B
133.210	005	Diazinon	EPA 8141 B
133.210	006	Dichlorvos (DDVP)	EPA 8141 B
133.210	007	Disulfoton	EPA 8141 B
133.210	008	Malathion	EPA 8141 B
133.210	009	Parathion Ethyl	EPA 8141 B
133.210	010	Parathion Methyl	EPA 8141 B
133.210	011	Phorate	EPA 8141 B
133.210	012	Ronnel	EPA 8141 B
133.210	013	Stirophos (Tetrachlorovinphos)	EPA 8141 B
133.220	001	2,4-D	EPA 8151 A
133.220	002	2,4-DB	EPA 8151 A
133.220	003	2,4,5-TP (Silvex)	EPA 8151 A
133.220	004	2,4,5-T	EPA 8151 A
133.220	005	Dalapon	EPA 8151 A
133.220	006	Dicamba	EPA 8151 A
133.220	007	Dichloroprop	EPA 8151 A
133.220	008	Dinoseb	EPA 8151 A
133.220	009	MCPA	EPA 8151 A
133.220	010	MCPP	EPA 8151 A
133.230	001	Acenaphthene	EPA 8270 C
133.230	002	Acenaphthylene	EPA 8270 C
133.230	003	Aniline	EPA 8270 C
133.230	004	Anthracene	EPA 8270 C
133.230	005	Benzidine	EPA 8270 C
133.230	006	Benzoic Acid	EPA 8270 C
133.230	007	Benzo(a)anthracene	EPA 8270 C
133.230	008	Benzo(b)fluoranthene	EPA 8270 C
133.230	009	Benzo(k)fluoranthene	EPA 8270 C
133.230	010	Benzo(g,h,i)perylene	EPA 8270 C
133.230	011	Benzo(a)pyrene	EPA 8270 C
133.230	012	Benzyl Alcohol	EPA 8270 C
133.230	013	Bis(2-chloroethoxy) Methane	EPA 8270 C
133.230	014	Bis(2-chloroethyl) Ether	EPA 8270 C
133.230	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 C
133.230	016	Butyl Benzyl Phthalate	EPA 8270 C
133.230	017	Chrysene	EPA 8270 C
133.230	018	Dibenz(a,h)anthracene	EPA 8270 C
133.230	019	Dibenzofuran	EPA 8270 C
133.230	020	Di-n-butyl Phthalate	EPA 8270 C
133.230	021	Diethyl Phthalate	EPA 8270 C
133.230	022	Dimethyl Phthalate	EPA 8270 C

133.230	023	Di-n-octyl Phthalate	EPA 8270 C
133.230	024	Fluoranthene	EPA 8270 C
133.230	025	Fluorene	EPA 8270 C
133.230	026	Naphthalene	EPA 8270 C
133.230	027	Nitrobenzene	EPA 8270 C
133.230	028	Pentachlorobenzene	EPA 8270 C
133.230	029	Pentachlorophenol	EPA 8270 C
133.230	031	1,2-Dichlorobenzene	EPA 8270 C
133.230	032	1,3-Dichlorobenzene	EPA 8270 C
133.230	033	1,4-Dichlorobenzene	EPA 8270 C
133.230	034	2-Chloronaphthalene	EPA 8270 C
133.230	035	2-Chlorophenol	EPA 8270 C
133.230	036	2,4-Dichlorophenol	EPA 8270 C
133.230	037	2,4-Dimethylphenol	EPA 8270 C
133.230	038	2,4-Dinitrophenol	EPA 8270 C
133.230	039	2,4-Dinitrotoluene	EPA 8270 C
133.230	040	2,6-Dichlorophenol	EPA 8270 C
133.230	041	2,6-Dinitrotoluene	EPA 8270 C
133.230	042	2-Nitroaniline	EPA 8270 C
133.230	043	2-Nitrophenol	EPA 8270 C
133.230	044	3-Nitroaniline	EPA 8270 C
133.230	045	3,3'-Dichlorobenzidine	EPA 8270 C
133.230	046	4-Chloroaniline	EPA 8270 C
133.230	047	4-Chloro-3-methylphenol	EPA 8270 C
133.230	048	4-Bromophenyl Phenyl Ether	EPA 8270 C
133.230	049	4-Chlorophenyl Phenyl Ether	EPA 8270 C
133.230	050	4-Nitroaniline	EPA 8270 C
133.230	051	4-Nitrophenol	EPA 8270 C
133.230	052	Aldrin	EPA 8270 C
133.230	053	alpha-BHC	EPA 8270 C
133.230	054	beta-BHC	EPA 8270 C
133.230	055	delta-BHC	EPA 8270 C
133.230	056	gamma-BHC (Lindane)	EPA 8270 C
133.230	057	4,4'-DDD	EPA 8270 C
133.230	058	4,4'-DDE	EPA 8270 C
133.230	059	4,4'-DDT	EPA 8270 C
133.230	060	Dieldrin	EPA 8270 C
133.230	061	Dinoseb	EPA 8270 C
133.230	062	Endosulfan I	EPA 8270 C
133.230	063	Endosulfan II	EPA 8270 C
133.230	064	Endosulfan Sulfate	EPA 8270 C
133.230	065	Endrin	EPA 8270 C



133.230	066	Endrin Aldehyde	EPA 8270 C
133.230	067	Endrin Ketone	EPA 8270 C
133.230	068	Heptachlor	EPA 8270 C
133.230	069	Heptachlor Epoxide	EPA 8270 C
133.230	070	Methoxychlor	EPA 8270 C
133.230	074	Disulfoton	EPA 8270 C
133.230	076	Parathion Ethyl	EPA 8270 C
133.230	077	Parathion Methyl	EPA 8270 C
133.230	078	Phorate	EPA 8270 C
133.230	087	N-nitrosodiethylamine	EPA 8270 C
133.230	088	N-nitrosodimethylamine	EPA 8270 C
133.230	089	N-nitrosodiphenylamine	EPA 8270 C
133.230	090	N-nitroso-di-n-propylamine	EPA 8270 C
133.230	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 C
133.230	092	Isophorone	EPA 8270 C
133.230	093	2-Methylnaphthalene	EPA 8270 C
133.230	094	Phenanthrene	EPA 8270 C
133.240	001	Acenaphthene	EPA 8270 E
133.240	002	Acenaphthylene	EPA 8270 E
133.240	003	Aniline	EPA 8270 E
133.240	004	Anthracene	EPA 8270 E
133.240	005	Benzidine	EPA 8270 E
133.240	006	Benzoic Acid	EPA 8270 E
133.240	007	Benzo(a)anthracene	EPA 8270 E
133.240	008	Benzo(b)fluoranthene	EPA 8270 E
133.240	009	Benzo(k)fluoranthene	EPA 8270 E
133.240	010	Benzo(g,h,i)perylene	EPA 8270 E
133.240	011	Benzo(a)pyrene	EPA 8270 E
133.240	012	Benzyl Alcohol	EPA 8270 E
133.240	013	Bis(2-chloroethoxy) Methane	EPA 8270 E
133.240	014	Bis(2-chloroethyl) Ether	EPA 8270 E
133.240	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 E
133.240	016	Butyl Benzyl Phthalate	EPA 8270 E
133.240	017	Chrysene	EPA 8270 E
133.240	018	Dibenz(a,h)anthracene	EPA 8270 E
133.240	019	Dibenzofuran	EPA 8270 E
133.240	020	Di-n-butyl Phthalate	EPA 8270 E
133.240	021	Diethyl Phthalate	EPA 8270 E
133.240	022	Dimethyl Phthalate	EPA 8270 E
133.240	023	Di-n-octyl Phthalate	EPA 8270 E
133.240	024	Fluoranthene	EPA 8270 E
133.240	025	Fluorene	EPA 8270 E

133.240	026	Naphthalene	EPA 8270 E
133.240	027	Nitrobenzene	EPA 8270 E
133.240	028	Pentachlorobenzene	EPA 8270 E
133.240	029	Pentachlorophenol	EPA 8270 E
133.240	031	1,2-Dichlorobenzene	EPA 8270 E
133.240	032	1,3-Dichlorobenzene	EPA 8270 E
133.240	033	1,4-Dichlorobenzene	EPA 8270 E
133.240	034	2-Chloronaphthalene	EPA 8270 E
133.240	035	2-Chlorophenol	EPA 8270 E
133.240	036	2,4-Dichlorophenol	EPA 8270 E
133.240	037	2,4-Dimethylphenol	EPA 8270 E
133.240	038	2,4-Dinitrophenol	EPA 8270 E
133.240	039	2,4-Dinitrotoluene	EPA 8270 E
133.240	040	2,6-Dichlorophenol	EPA 8270 E
133.240	041	2,6-Dinitrotoluene	EPA 8270 E
133.240	042	2-Nitroaniline	EPA 8270 E
133.240	043	2-Nitrophenol	EPA 8270 E
133.240	044	3-Nitroaniline	EPA 8270 E
133.240	045	3,3'-Dichlorobenzidine	EPA 8270 E
133.240	046	4-Chloroaniline	EPA 8270 E
133.240	047	4-Chloro-3-methylphenol	EPA 8270 E
133.240	048	4-Bromophenyl Phenyl Ether	EPA 8270 E
133.240	049	4-Chlorophenyl Phenyl Ether	EPA 8270 E
133.240	050	4-Nitroaniline	EPA 8270 E
133.240	051	4-Nitrophenol	EPA 8270 E
133.240	052	Aldrin	EPA 8270 E
133.240	053	alpha-BHC	EPA 8270 E
133.240	054	beta-BHC	EPA 8270 E
133.240	055	delta-BHC	EPA 8270 E
133.240	056	gamma-BHC (Lindane)	EPA 8270 E
133.240	057	4,4'-DDD	EPA 8270 E
133.240	058	4,4'-DDE	EPA 8270 E
133.240	059	4,4'-DDT	EPA 8270 E
133.240	060	Dieldrin	EPA 8270 E
133.240	061	Dinoseb	EPA 8270 E
133.240	062	Endosulfan I	EPA 8270 E
133.240	063	Endosulfan II	EPA 8270 E
133.240	064	Endosulfan Sulfate	EPA 8270 E
133.240	065	Endrin	EPA 8270 E
133.240	066	Endrin Aldehyde	EPA 8270 E
133.240	067	Endrin Ketone	EPA 8270 E
133.240	068	Heptachlor	EPA 8270 E

133.240	069	Heptachlor Epoxide	EPA 8270 E
133.240	070	Methoxychlor	EPA 8270 E
133.240	074	Disulfoton	EPA 8270 E
133.240	076	Parathion Ethyl	EPA 8270 E
133.240	077	Parathion Methyl	EPA 8270 E
133.240	078	Phorate	EPA 8270 E
133.240	087	N-nitrosodiethylamine	EPA 8270 E
133.240	088	N-nitrosodimethylamine	EPA 8270 E
133.240	089	N-nitrosodiphenylamine	EPA 8270 E
133.240	090	N-nitroso-di-n-propylamine	EPA 8270 E
133.240	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 E
133.240	092	Isophorone	EPA 8270 E
133.240	093	2-Methylnaphthalene	EPA 8270 E
133.240	094	Phenanthrene	EPA 8270 E
133.270	001	Acenaphthene	EPA 8310
133.270	002	Acenaphthylene	EPA 8310
133.270	003	Anthracene	EPA 8310
133.270	004	Benzo(a)anthracene	EPA 8310
133.270	005	Benzo(a)pyrene	EPA 8310
133.270	006	Benzo(b)fluoranthene	EPA 8310
133.270	007	Benzo(g,h,i)perylene	EPA 8310
133.270	008	Benzo(k)fluoranthene	EPA 8310
133.270	009	Chrysene	EPA 8310
133.270	010	Dibenz(a,h)anthracene	EPA 8310
133.270	011	Fluoranthene	EPA 8310
133.270	012	Fluorene	EPA 8310
133.270	013	Indeno(1,2,3-c,d)pyrene	EPA 8310
133.270	014	Naphthalene	EPA 8310
133.270	015	Phenanthrene	EPA 8310
133.270	016	Pyrene	EPA 8310
133.280	001	Acetaldehyde	EPA 8315 A
133.280	010	Formaldehyde	EPA 8315 A
133.340	001	1,3,5-Trinitrobenzene	EPA 8330
133.340	002	1,3-Dinitrobenzene	EPA 8330
133.340	003	Nitrobenzene	EPA 8330
133.340	004	2,4,6-Trinitrotoluene	EPA 8330
133.340	005	2,4-Dinitrotoluene	EPA 8330
133.340	006	2,6-Dinitrotoluene	EPA 8330
133.340	007	2-Nitrotoluene	EPA 8330
133.340	008	3-Nitrotoluene	EPA 8330
133.340	009	4-Nitrotoluene	EPA 8330
133.350	001	1,3,5-Trinitrobenzene	EPA 8330 A

133.350	002	1,3-Dinitrobenzene	EPA 8330 A
133.350	003	Nitrobenzene	EPA 8330 A
133.350	004	2,4,6-Trinitrotoluene	EPA 8330 A
133.350	005	2,4-Dinitrotoluene	EPA 8330 A
133.350	006	2,6-Dinitrotoluene	EPA 8330 A
133.350	007	2-Nitrotoluene	EPA 8330 A
133.350	008	3-Nitrotoluene	EPA 8330 A
133.350	009	4-Nitrotoluene	EPA 8330 A



STATE WATER RESOURCES CONTROL BOARD  
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF  
ENVIRONMENTAL LABORATORY ACCREDITATION**

Is hereby granted to

**Eurofins Sacramento**

880 Riverside Parkway  
West Sacramento, CA 95605

Scope of the certificate is limited to the  
"Fields of Accreditation"  
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations,  
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2897**

Effective Date: **2/1/2022**

Expiration Date: **1/31/2024**

A handwritten signature in blue ink, appearing to read "Christine Sotelo".

Sacramento, California  
subject to forfeiture or revocation

Christine Sotelo, Program Manager  
Environmental Laboratory Accreditation Program



**CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Fields of Accreditation**



**Eurofins Sacramento**

880 Riverside Parkway  
West Sacramento, CA 95605  
Phone: 9163735600

**Certificate Number: 2897  
Expiration Date: 1/31/2024**

**Field of Accreditation:102 - Inorganic Chemistry of Drinking Water**

102.045	001	Perchlorate	EPA 314.0	I
102.047	001	Perchlorate	EPA 331.0	I

**Field of Accreditation:105 - Semi-volatile Organic Chemistry of Drinking Water**

105.103	001	11-Chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	EPA 533	
105.103	002	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	EPA 533	
105.103	003	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 533	
105.103	004	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 533	
105.103	005	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 533	
105.103	006	Perfluorobutanoic Acid (PFBA)	EPA 533	
105.103	007	Perfluorobutane Sulfonic Acid (PFBS)	EPA 533	
105.103	008	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	EPA 533	
105.103	009	Perfluorodecanoic Acid (PFDA)	EPA 533	
105.103	010	Perfluorododecanoic Acid (PFDoA)	EPA 533	
105.103	011	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	EPA 533	
105.103	012	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 533	
105.103	013	Perfluoroheptanoic Acid (PFHpA)	EPA 533	
105.103	014	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	EPA 533	
105.103	015	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 533	
105.103	016	Perfluorohexanoic Acid (PFHxA)	EPA 533	
105.103	017	Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 533	
105.103	018	Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 533	
105.103	019	Perfluorononanoic Acid (PFNA)	EPA 533	
105.103	020	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	EPA 533	
105.103	021	Perfluorooctane Sulfonic Acid (PFOS)	EPA 533	
105.103	022	Perfluorooctanoic Acid (PFOA)	EPA 533	
105.103	023	Perfluoropentanoic Acid (PFPeA)	EPA 533	
105.103	024	Perfluoropentane Sulfonic Acid (PFPeS)	EPA 533	
105.103	025	Perfluoroundecanoic Acid (PFUnDA)	EPA 533	
105.106	001	11-Chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	EPA 537.1	I
105.106	002	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	EPA 537.1	I
105.106	003	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 537.1	I
105.106	004	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 537.1	I
105.106	005	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	EPA 537.1	I

As of 1/23/2023 , this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

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105.106	006	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	EPA 537.1	I
105.106	007	Perfluorobutane Sulfonic Acid (PFBS)	EPA 537.1	I
105.106	008	Perfluorodecanoic Acid (PFDA)	EPA 537.1	I
105.106	009	Perfluorododecanoic Acid (PFDoA)	EPA 537.1	I
105.106	010	Perfluoroheptanoic Acid (PFHpA)	EPA 537.1	I
105.106	011	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 537.1	I
105.106	012	Perfluorohexanoic Acid (PFHxA)	EPA 537.1	I
105.106	013	Perfluorononanoic Acid (PFNA)	EPA 537.1	I
105.106	014	Perfluorooctanoic Acid (PFOA)	EPA 537.1	I
105.106	015	Perfluorooctane Sulfonic Acid (PFOS)	EPA 537.1	I
105.106	016	Perfluorotetradecanoic Acid (PFTDA)	EPA 537.1	I
105.106	017	Perfluorotridecanoic Acid (PFTrDA)	EPA 537.1	I
105.106	018	Perfluoroundecanoic Acid (PFUnDA)	EPA 537.1	I
105.230	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B	I

**Field of Accreditation:**108 - Inorganic Constituents in Non-Potable Water

108.001	001	Specific Conductance	EPA 120.1 (1982 Rev.1.0)	
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)	
108.015	001	Calcium	EPA 200.8 (1994 Rev. 5.4)	
108.015	002	Magnesium	EPA 200.8 (1994 Rev. 5.4)	
108.015	003	Potassium	EPA 200.8 (1994 Rev. 5.4)	
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)	
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)	
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)	
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)	
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)	
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)	
108.017	007	Phosphate, Ortho (as P)	EPA 300.0 (1993 Rev. 2.1)	
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)	
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)	
108.033	002	Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)	
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)	
108.059	001	Turbidity	SM 2130 B-2011	
108.063	001	Alkalinity	SM 2320 B-2011	
108.065	001	Hardness (Calculation)	SM 2340 B-2011	
108.069	001	Specific Conductance	SM 2510 B-2011	
108.071	001	Residue, Total	SM 2540 B-2011	
108.073	001	Residue, Filterable TDS	SM 2540 C-2011	
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011	
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011	
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011	
108.213	001	Chemical Oxygen Demand	SM 5220 D-2011	

**Field of Accreditation:**109 - Metals and Trace Elements in Non-Potable Water

As of 1/23/2023, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

109.625 001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625 002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625 003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625 004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625 005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625 007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625 008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625 009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625 010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625 012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625 013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625 014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625 015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625 016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625 017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625 018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625 019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625 020	Tin	EPA 200.8 (1994 Rev. 5.4)
109.625 021	Titanium	EPA 200.8 (1994 Rev. 5.4)
109.625 022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625 023	Zinc	EPA 200.8 (1994 Rev. 5.4)

**Field of Accreditation:111 - Semi-volatile Organic Constituents in Non-Potable Water**

111.250 001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
111.250 002	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
111.250 003	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 1613 B
111.250 004	Total Tetrachlorodibenzofuran (TCDF)	EPA 1613 B
111.250 005	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 1613 B
111.250 006	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 1613 B
111.250 007	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 1613 B
111.250 008	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 1613 B
111.250 009	Total Pentachlorodibenzofuran (PeCDF)	EPA 1613 B
111.250 010	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B
111.250 011	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B
111.250 012	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B
111.250 013	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B
111.250 014	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250 015	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250 016	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250 017	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250 018	Total Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250 019	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 1613 B
111.250 020	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 1613 B



111.250	021	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 1613 B
111.250	022	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 1613 B
111.250	023	Total Heptachlorodibenzofuran (HpCDF)	EPA 1613 B
111.250	024	OCDD	EPA 1613 B
111.250	025	OCDF	EPA 1613 B
111.345	001	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	DoD QSM Version 5.1 (or newer)
111.345	002	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	DoD QSM Version 5.1 (or newer)
111.345	003	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	DoD QSM Version 5.1 (or newer)
111.345	004	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	DoD QSM Version 5.1 (or newer)
111.345	005	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	DoD QSM Version 5.1 (or newer)
111.345	006	Perfluorobutanoic Acid (PFBA)	DoD QSM Version 5.1 (or newer)
111.345	007	Perfluorobutane Sulfonic Acid (PFBS)	DoD QSM Version 5.1 (or newer)
111.345	008	Perfluorodecanoic Acid (PFDA)	DoD QSM Version 5.1 (or newer)
111.345	009	Perfluorododecanoic Acid (PFDoA)	DoD QSM Version 5.1 (or newer)
111.345	010	Perfluorodecane Sulfonic Acid (PFDS)	DoD QSM Version 5.1 (or newer)
111.345	011	Perfluoroheptanoic Acid (PFHpA)	DoD QSM Version 5.1 (or newer)
111.345	012	Perfluoroheptane Sulfonic Acid (PFHpS)	DoD QSM Version 5.1 (or newer)
111.345	013	Perfluorohexane Sulfonic Acid (PFHxS)	DoD QSM Version 5.1 (or newer)
111.345	014	Perfluorohexanoic Acid (PFHxA)	DoD QSM Version 5.1 (or newer)
111.345	015	Perfluorononanoic Acid (PFNA)	DoD QSM Version 5.1 (or newer)
111.345	016	Perfluorooctanoic Acid (PFOA)	DoD QSM Version 5.1 (or newer)
111.345	017	Perfluorooctane Sulfonic Acid (PFOS)	DoD QSM Version 5.1 (or newer)
111.345	018	Perfluorooctane Sulfonamide (PFOSAm)	DoD QSM Version 5.1 (or newer)
111.345	019	Perfluoropentanoic Acid (PFPeA)	DoD QSM Version 5.1 (or newer)
111.345	020	Perfluoropentane Sulfonic Acid (PFPeS)	DoD QSM Version 5.1 (or newer)
111.345	021	Perfluorotetradecanoic Acid (PFTDA)	DoD QSM Version 5.1 (or newer)
111.345	022	Perfluorotridecanoic Acid (PFTrDA)	DoD QSM Version 5.1 (or newer)
111.345	023	Perfluoroundecanoic Acid (PFUnDA)	DoD QSM Version 5.1 (or newer)
111.345	024	11-Chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	DoD QSM Version 5.1 (or newer)
111.345	025	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	DoD QSM Version 5.1 (or newer)
111.345	026	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	DoD QSM Version 5.1 (or newer)
111.345	027	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	DoD QSM Version 5.1 (or newer)
111.345	028	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	DoD QSM Version 5.1 (or newer)
111.345	029	10:2 Fluorotelomer Sulfonic Acid (10:2 FTS)	DoD QSM Version 5.1 (or newer)
111.345	030	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	DoD QSM Version 5.1 (or newer)
111.345	031	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	DoD QSM Version 5.1 (or newer)
111.345	032	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	DoD QSM Version 5.1 (or newer)
111.345	033	Perfluorohexadecanoic Acid (PFHxDA)	DoD QSM Version 5.1 (or newer)
111.345	034	Perfluorononane Sulfonic Acid (PFNS)	DoD QSM Version 5.1 (or newer)
111.345	035	Perfluorooctadecanoic Acid (PFODA)	DoD QSM Version 5.1 (or newer)
111.345	036	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	DoD QSM Version 5.1 (or newer)
111.345	037	2H,2H,3H,3H-Perfluorohexanoic Acid (3:3 FTCA)	DoD QSM Version 5.1 (or newer)

111.345	038	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	DoD QSM Version 5.1 (or newer)
111.345	039	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	DoD QSM Version 5.1 (or newer)
111.345	040	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	DoD QSM Version 5.1 (or newer)
111.345	041	Perfluoro-3-methoxypropanoic acid (PFMPA)	DoD QSM Version 5.1 (or newer)
111.345	042	Perfluoro-4-methoxybutanoic acid (PFMBA)	DoD QSM Version 5.1 (or newer)

**Field of Accreditation:**114 - Inorganic Constituents in Hazardous Waste

114.315	001	Aluminum	EPA 6010 B
114.315	002	Antimony	EPA 6010 B
114.315	003	Arsenic	EPA 6010 B
114.315	004	Barium	EPA 6010 B
114.315	005	Beryllium	EPA 6010 B
114.315	006	Boron	EPA 6010 B
114.315	007	Cadmium	EPA 6010 B
114.315	008	Calcium	EPA 6010 B
114.315	009	Chromium	EPA 6010 B
114.315	010	Cobalt	EPA 6010 B
114.315	011	Copper	EPA 6010 B
114.315	012	Iron	EPA 6010 B
114.315	013	Lead	EPA 6010 B
114.315	014	Magnesium	EPA 6010 B
114.315	015	Manganese	EPA 6010 B
114.315	016	Molybdenum	EPA 6010 B
114.315	017	Nickel	EPA 6010 B
114.315	018	Potassium	EPA 6010 B
114.315	019	Selenium	EPA 6010 B
114.315	020	Silver	EPA 6010 B
114.315	021	Sodium	EPA 6010 B
114.315	023	Thallium	EPA 6010 B
114.315	024	Tin	EPA 6010 B
114.315	025	Titanium	EPA 6010 B
114.315	026	Vanadium	EPA 6010 B
114.315	027	Zinc	EPA 6010 B
114.335	001	Aluminum	EPA 6020
114.335	002	Antimony	EPA 6020
114.335	003	Arsenic	EPA 6020
114.335	004	Barium	EPA 6020
114.335	005	Beryllium	EPA 6020
114.335	006	Cadmium	EPA 6020
114.335	007	Chromium	EPA 6020
114.335	008	Cobalt	EPA 6020
114.335	009	Copper	EPA 6020
114.335	010	Lead	EPA 6020

114.335	011	Manganese	EPA 6020
114.335	012	Nickel	EPA 6020
114.335	013	Silver	EPA 6020
114.335	014	Thallium	EPA 6020
114.335	015	Zinc	EPA 6020
114.335	016	Molybdenum	EPA 6020
114.335	017	Selenium	EPA 6020
114.335	018	Vanadium	EPA 6020
114.535	001	Mercury	EPA 7471 A
114.545	001	Mercury	EPA 7471 B
114.745	001	Fluoride	EPA 9056
114.755	001	Fluoride	EPA 9056 A

**Field of Accreditation:115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste**

115.055	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.085	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.095	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312
115.135	001	Corrosivity - pH Determination	EPA 9045 C
115.145	001	Corrosivity - pH Determination	EPA 9045 D

**Field of Accreditation:116 - Volatile Organic Compounds in Hazardous Waste**

116.265	001	Benzene	EPA 8260 B
116.265	002	Bromobenzene	EPA 8260 B
116.265	003	Bromochloromethane	EPA 8260 B
116.265	004	Bromodichloromethane	EPA 8260 B
116.265	005	Bromoform	EPA 8260 B
116.265	006	Bromomethane (Methyl Bromide)	EPA 8260 B
116.265	007	n-Butylbenzene	EPA 8260 B
116.265	008	sec-Butylbenzene	EPA 8260 B
116.265	009	tert-Butylbenzene	EPA 8260 B
116.265	010	Carbon Disulfide	EPA 8260 B
116.265	011	Carbon Tetrachloride	EPA 8260 B
116.265	012	Chlorobenzene	EPA 8260 B
116.265	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 B
116.265	014	Chloroethane	EPA 8260 B
116.265	015	Chloroform	EPA 8260 B
116.265	016	Chloromethane (Methyl Chloride)	EPA 8260 B
116.265	017	Dibromomethane	EPA 8260 B
116.265	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 B
116.265	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 B
116.265	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 B
116.265	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 B
116.265	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 B
116.265	023	Ethylbenzene	EPA 8260 B

116.265 024	Hexachlorobutadiene	EPA 8260 B
116.265 025	Methyl tert-butyl Ether (MTBE)	EPA 8260 B
116.265 026	Methylene Chloride (Dichloromethane)	EPA 8260 B
116.265 027	Naphthalene	EPA 8260 B
116.265 029	N-propylbenzene	EPA 8260 B
116.265 030	Styrene	EPA 8260 B
116.265 031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 B
116.265 032	Toluene	EPA 8260 B
116.265 033	Trichloroethylene (Trichloroethene)	EPA 8260 B
116.265 034	Trichlorofluoromethane	EPA 8260 B
116.265 035	Vinyl Chloride	EPA 8260 B
116.265 036	m+p-Xylene	EPA 8260 B
116.265 037	o-Xylene	EPA 8260 B
116.265 038	m-Xylene	EPA 8260 B
116.265 039	p-Xylene	EPA 8260 B
116.265 040	1,1-Dichloroethane	EPA 8260 B
116.265 041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 B
116.265 042	1,1,1-Trichloroethane	EPA 8260 B
116.265 043	1,1,1,2-Tetrachloroethane	EPA 8260 B
116.265 044	1,1,2,2-Tetrachloroethane	EPA 8260 B
116.265 045	1,1,2-Trichloroethane	EPA 8260 B
116.265 046	1,2-Dichlorobenzene	EPA 8260 B
116.265 047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 B
116.265 048	1,2-Dibromoethane (EDB)	EPA 8260 B
116.265 049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 B
116.265 050	1,2-Dichloropropane	EPA 8260 B
116.265 051	1,2,3-Trichloropropane (TCP)	EPA 8260 B
116.265 052	1,2,4-Trichlorobenzene	EPA 8260 B
116.265 053	1,3-Dichlorobenzene	EPA 8260 B
116.265 054	1,4-Dichlorobenzene	EPA 8260 B
116.265 055	2-Chloroethyl vinyl Ether	EPA 8260 B
116.265 056	4-Chlorotoluene	EPA 8260 B
116.265 057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 B
116.265 058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 B
116.265 059	Diisopropyl ether (DIPE)	EPA 8260 B
116.265 061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 B
116.265 062	tert-Amyl Methyl Ether (TAME)	EPA 8260 B
116.266 001	Gasoline Range Organics (GRO)	EPA 8260 B
116.266 002	Gasoline Range Organics (GRO) [LUFT Range]	EPA 8260 B

**Field of Accreditation:** 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.245 002	Diesel Range Organics (DRO)	EPA 8015 C
117.245 003	Diesel Range Organics (DRO) [LUFT Range]	EPA 8015 C

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117.245	004	Oil Range Organics (ORO) [LUFT Range]	EPA 8015 C
117.325	001	Aldrin	EPA 8081 B
117.325	002	alpha-BHC	EPA 8081 B
117.325	003	beta-BHC	EPA 8081 B
117.325	004	delta-BHC	EPA 8081 B
117.325	005	gamma-BHC (Lindane)	EPA 8081 B
117.325	006	Chlordane (total)	EPA 8081 B
117.325	008	4,4'-DDD	EPA 8081 B
117.325	009	4,4'-DDE	EPA 8081 B
117.325	010	4,4'-DDT	EPA 8081 B
117.325	011	Dieldrin	EPA 8081 B
117.325	012	Endosulfan I	EPA 8081 B
117.325	013	Endosulfan II	EPA 8081 B
117.325	014	Endosulfan Sulfate	EPA 8081 B
117.325	015	Endrin	EPA 8081 B
117.325	016	Endrin Aldehyde	EPA 8081 B
117.325	017	Endrin Ketone	EPA 8081 B
117.325	018	Heptachlor	EPA 8081 B
117.325	019	Heptachlor Epoxide	EPA 8081 B
117.325	020	Methoxychlor	EPA 8081 B
117.325	021	Toxaphene	EPA 8081 B
117.345	001	Aroclor 1016	EPA 8082 A
117.345	002	Aroclor 1221	EPA 8082 A
117.345	003	Aroclor 1232	EPA 8082 A
117.345	004	Aroclor 1242	EPA 8082 A
117.345	005	Aroclor 1248	EPA 8082 A
117.345	006	Aroclor 1254	EPA 8082 A
117.345	007	Aroclor 1260	EPA 8082 A
117.435	001	Acenaphthene	EPA 8270 C
117.435	002	Acenaphthylene	EPA 8270 C
117.435	003	Aniline	EPA 8270 C
117.435	004	Anthracene	EPA 8270 C
117.435	005	Benzidine	EPA 8270 C
117.435	006	Benzoic Acid	EPA 8270 C
117.435	007	Benzo(a)anthracene	EPA 8270 C
117.435	008	Benzo(b)fluoranthene	EPA 8270 C
117.435	009	Benzo(k)fluoranthene	EPA 8270 C
117.435	010	Benzo(g,h,i)perylene	EPA 8270 C
117.435	011	Benzo(a)pyrene	EPA 8270 C
117.435	012	Benzyl Alcohol	EPA 8270 C
117.435	013	Bis(2-chloroethoxy) Methane	EPA 8270 C
117.435	014	Bis(2-chloroethyl) Ether	EPA 8270 C

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117.435	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 C
117.435	016	Butyl Benzyl Phthalate	EPA 8270 C
117.435	017	Chrysene	EPA 8270 C
117.435	018	Dibenz(a,h)anthracene	EPA 8270 C
117.435	019	Dibenzofuran	EPA 8270 C
117.435	020	Di-n-butyl Phthalate	EPA 8270 C
117.435	021	Diethyl Phthalate	EPA 8270 C
117.435	022	Dimethyl Phthalate	EPA 8270 C
117.435	023	Di-n-octyl Phthalate	EPA 8270 C
117.435	024	Fluoranthene	EPA 8270 C
117.435	025	Fluorene	EPA 8270 C
117.435	026	Naphthalene	EPA 8270 C
117.435	027	Nitrobenzene	EPA 8270 C
117.435	028	Pentachlorobenzene	EPA 8270 C
117.435	029	Pentachlorophenol	EPA 8270 C
117.435	031	1,2-Dichlorobenzene	EPA 8270 C
117.435	032	1,3-Dichlorobenzene	EPA 8270 C
117.435	033	1,4-Dichlorobenzene	EPA 8270 C
117.435	034	2-Chloronaphthalene	EPA 8270 C
117.435	035	2-Chlorophenol	EPA 8270 C
117.435	036	2,4-Dichlorophenol	EPA 8270 C
117.435	037	2,4-Dimethylphenol	EPA 8270 C
117.435	038	2,4-Dinitrophenol	EPA 8270 C
117.435	039	2,4-Dinitrotoluene	EPA 8270 C
117.435	040	2,6-Dichlorophenol	EPA 8270 C
117.435	041	2,6-Dinitrotoluene	EPA 8270 C
117.435	042	2-Nitroaniline	EPA 8270 C
117.435	043	2-Nitrophenol	EPA 8270 C
117.435	044	3-Nitroaniline	EPA 8270 C
117.435	045	3,3'-Dichlorobenzidine	EPA 8270 C
117.435	046	4-Chloroaniline	EPA 8270 C
117.435	047	4-Chloro-3-methylphenol	EPA 8270 C
117.435	048	4-Bromophenyl Phenyl Ether	EPA 8270 C
117.435	049	4-Chlorophenyl Phenyl Ether	EPA 8270 C
117.435	050	4-Nitroaniline	EPA 8270 C
117.435	051	4-Nitrophenol	EPA 8270 C
117.435	088	N-nitrosodimethylamine	EPA 8270 C
117.435	089	N-nitrosodiphenylamine	EPA 8270 C
117.435	090	N-nitroso-di-n-propylamine	EPA 8270 C
117.435	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 C
117.435	092	Isophorone	EPA 8270 C
117.435	093	2-Methylnaphthalene	EPA 8270 C

117.435	094	Phenanthrene	EPA 8270 C
117.470	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290
117.470	002	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290
117.470	003	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290
117.470	004	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290
117.470	005	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290
117.470	006	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290
117.470	007	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290
117.470	008	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 8290
117.470	009	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290
117.470	010	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290
117.470	011	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290
117.470	012	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290
117.470	013	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 8290
117.470	014	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290
117.470	015	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 8290
117.470	016	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 8290
117.470	017	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290
117.470	018	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290
117.470	019	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290
117.470	020	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290
117.470	021	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290
117.470	022	Total Tetrachlorodibenzofuran (TCDF)	EPA 8290
117.470	023	Total Pentachlorodibenzofuran (PeCDF)	EPA 8290
117.470	024	Total Hexachlorodibenzofuran (HxCDF)	EPA 8290
117.470	025	Total Heptachlorodibenzofuran (HpCDF)	EPA 8290
117.472	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A
117.472	002	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A
117.472	003	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A
117.472	004	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A
117.472	005	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A
117.472	006	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A
117.472	007	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290 A
117.472	008	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 8290 A
117.472	009	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A
117.472	010	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A
117.472	011	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A
117.472	012	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A
117.472	013	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A
117.472	014	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A
117.472	015	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A
117.472	016	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A

117.472	017	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290 A
117.472	018	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A
117.472	019	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A
117.472	020	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A
117.472	021	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A
117.472	022	Total Tetrachlorodibenzofuran (TCDF)	EPA 8290 A
117.472	023	Total Pentachlorodibenzofuran (PeCDF)	EPA 8290 A
117.472	024	Total Hexachlorodibenzofuran (HxCDF)	EPA 8290 A
117.472	025	Total Heptachlorodibenzofuran (HpCDF)	EPA 8290 A
117.575	001	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	DoD QSM Version 5.1 (or newer)
117.575	002	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	DoD QSM Version 5.1 (or newer)
117.575	003	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	DoD QSM Version 5.1 (or newer)
117.575	004	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	DoD QSM Version 5.1 (or newer)
117.575	005	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	DoD QSM Version 5.1 (or newer)
117.575	006	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	DoD QSM Version 5.1 (or newer)
117.575	007	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	DoD QSM Version 5.1 (or newer)
117.575	008	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	DoD QSM Version 5.1 (or newer)
117.575	009	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	DoD QSM Version 5.1 (or newer)
117.575	010	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	DoD QSM Version 5.1 (or newer)
117.575	011	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	DoD QSM Version 5.1 (or newer)
117.575	012	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	DoD QSM Version 5.1 (or newer)
117.575	013	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	DoD QSM Version 5.1 (or newer)
117.575	014	Perfluorobutanoic Acid (PFBA)	DoD QSM Version 5.1 (or newer)
117.575	015	Perfluorobutane Sulfonic Acid (PFBS)	DoD QSM Version 5.1 (or newer)
117.575	016	Perfluorodecanoic Acid (PFDA)	DoD QSM Version 5.1 (or newer)
117.575	017	Perfluorododecanoic Acid (PFDoA)	DoD QSM Version 5.1 (or newer)
117.575	018	Perfluorodecane Sulfonic Acid (PFDS)	DoD QSM Version 5.1 (or newer)
117.575	019	Perfluoroheptanoic Acid (PFHpA)	DoD QSM Version 5.1 (or newer)
117.575	020	Perfluoroheptane Sulfonic Acid (PFHpS)	DoD QSM Version 5.1 (or newer)
117.575	021	Perfluorohexane Sulfonic Acid (PFHxS)	DoD QSM Version 5.1 (or newer)
117.575	022	Perfluorohexanoic Acid (PFHxA)	DoD QSM Version 5.1 (or newer)
117.575	023	Perfluorononanoic Acid (PFNA)	DoD QSM Version 5.1 (or newer)
117.575	024	Perfluorooctanoic Acid (PFOA)	DoD QSM Version 5.1 (or newer)
117.575	025	Perfluorooctane Sulfonic Acid (PFOS)	DoD QSM Version 5.1 (or newer)
117.575	026	Perfluorooctane Sulfonamide (PFOSAm)	DoD QSM Version 5.1 (or newer)
117.575	027	Perfluoropentanoic Acid (PFPeA)	DoD QSM Version 5.1 (or newer)
117.575	028	Perfluoropentane Sulfonic Acid (PFPeS)	DoD QSM Version 5.1 (or newer)
117.575	029	Perfluorotetradecanoic Acid (PFTDA)	DoD QSM Version 5.1 (or newer)
117.575	030	Perfluorotridecanoic Acid (PFTTrDA)	DoD QSM Version 5.1 (or newer)
117.575	031	Perfluoroundecanoic Acid (PFUnDA)	DoD QSM Version 5.1 (or newer)
117.575	032	10:2 Fluorotelomer Sulfonic Acid (10:2 FTS)	DoD QSM Version 5.1 (or newer)
117.575	033	Perfluorohexadecanoic Acid (PFHxDA)	DoD QSM Version 5.1 (or newer)



117.575	034	Perfluorononane Sulfonic Acid (PFNS)	DoD QSM Version 5.1 (or newer)
117.575	035	Perfluorooctadecanoic Acid (PFODA)	DoD QSM Version 5.1 (or newer)
117.575	036	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	DoD QSM Version 5.1 (or newer)
117.575	037	2H,2H,3H,3H-Perfluorohexanoic Acid (3:3 FTCA)	DoD QSM Version 5.1 (or newer)
117.575	038	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	DoD QSM Version 5.1 (or newer)
117.575	039	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	DoD QSM Version 5.1 (or newer)
117.575	040	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	DoD QSM Version 5.1 (or newer)
117.575	041	Perfluoro-3-methoxypropanoic acid (PFMPA)	DoD QSM Version 5.1 (or newer)
117.575	042	Perfluoro-4-methoxybutanoic acid (PFMBA)	DoD QSM Version 5.1 (or newer)

**Field of Accreditation:130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)**

130.010	001	Aluminum	EPA 6010 B
130.010	002	Antimony	EPA 6010 B
130.010	003	Arsenic	EPA 6010 B
130.010	004	Barium	EPA 6010 B
130.010	005	Beryllium	EPA 6010 B
130.010	006	Boron	EPA 6010 B
130.010	007	Cadmium	EPA 6010 B
130.010	008	Calcium	EPA 6010 B
130.010	009	Chromium	EPA 6010 B
130.010	010	Cobalt	EPA 6010 B
130.010	011	Copper	EPA 6010 B
130.010	012	Iron	EPA 6010 B
130.010	013	Lead	EPA 6010 B
130.010	014	Magnesium	EPA 6010 B
130.010	015	Manganese	EPA 6010 B
130.010	016	Molybdenum	EPA 6010 B
130.010	017	Nickel	EPA 6010 B
130.010	018	Potassium	EPA 6010 B
130.010	019	Selenium	EPA 6010 B
130.010	020	Silver	EPA 6010 B
130.010	021	Sodium	EPA 6010 B
130.010	023	Thallium	EPA 6010 B
130.010	024	Tin	EPA 6010 B
130.010	025	Titanium	EPA 6010 B
130.010	026	Vanadium	EPA 6010 B
130.010	027	Zinc	EPA 6010 B
130.030	001	Aluminum	EPA 6020
130.030	002	Antimony	EPA 6020
130.030	003	Arsenic	EPA 6020
130.030	004	Barium	EPA 6020
130.030	005	Beryllium	EPA 6020
130.030	006	Cadmium	EPA 6020

130.030	007	Chromium	EPA 6020
130.030	008	Cobalt	EPA 6020
130.030	009	Copper	EPA 6020
130.030	010	Lead	EPA 6020
130.030	011	Manganese	EPA 6020
130.030	012	Nickel	EPA 6020
130.030	013	Silver	EPA 6020
130.030	014	Thallium	EPA 6020
130.030	015	Zinc	EPA 6020
130.030	016	Molybdenum	EPA 6020
130.030	017	Selenium	EPA 6020
130.030	018	Vanadium	EPA 6020
130.140	001	Chromium VI (Hexavalent Chromium)	EPA 7196 A
130.170	001	Chromium VI (Hexavalent Chromium)	EPA 7199
130.250	001	Mercury	EPA 7470 A
130.470	001	Fluoride	EPA 9056
130.480	001	Fluoride	EPA 9056 A

**Field of Accreditation:131 - Leaching/Extraction, Physical Characteristics in Hazardous Waste (Matrix Aqueous)**

131.010	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
131.040	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
131.050	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312
131.110	001	Corrosivity - pH Determination	EPA 9040 B
131.120	001	Corrosivity - pH Determination	EPA 9040 C

**Field of Accreditation:132 - Volatile Organic Compounds in Hazardous Waste (Matrix Aqueous)**

132.060	001	Benzene	EPA 8260 B
132.060	002	Bromobenzene	EPA 8260 B
132.060	003	Bromochloromethane	EPA 8260 B
132.060	004	Bromodichloromethane	EPA 8260 B
132.060	005	Bromoform	EPA 8260 B
132.060	006	Bromomethane (Methyl Bromide)	EPA 8260 B
132.060	007	n-Butylbenzene	EPA 8260 B
132.060	008	sec-Butylbenzene	EPA 8260 B
132.060	009	tert-Butylbenzene	EPA 8260 B
132.060	010	Carbon Disulfide	EPA 8260 B
132.060	011	Carbon Tetrachloride	EPA 8260 B
132.060	012	Chlorobenzene	EPA 8260 B
132.060	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 B
132.060	014	Chloroethane	EPA 8260 B
132.060	015	Chloroform	EPA 8260 B
132.060	016	Chloromethane (Methyl Chloride)	EPA 8260 B
132.060	017	Dibromomethane	EPA 8260 B
132.060	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 B

132.060	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 B
132.060	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 B
132.060	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 B
132.060	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 B
132.060	023	Ethylbenzene	EPA 8260 B
132.060	024	Hexachlorobutadiene	EPA 8260 B
132.060	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 B
132.060	026	Methylene Chloride (Dichloromethane)	EPA 8260 B
132.060	027	Naphthalene	EPA 8260 B
132.060	029	N-propylbenzene	EPA 8260 B
132.060	030	Styrene	EPA 8260 B
132.060	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 B
132.060	032	Toluene	EPA 8260 B
132.060	033	Trichloroethylene (Trichloroethene)	EPA 8260 B
132.060	034	Trichlorofluoromethane	EPA 8260 B
132.060	035	Vinyl Chloride	EPA 8260 B
132.060	036	m+p-Xylene	EPA 8260 B
132.060	036	m+p-Xylene	EPA 8260 B
132.060	037	o-Xylene	EPA 8260 B
132.060	038	m-Xylene	EPA 8260 B
132.060	039	p-Xylene	EPA 8260 B
132.060	040	1,1-Dichloroethane	EPA 8260 B
132.060	041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 B
132.060	042	1,1,1-Trichloroethane	EPA 8260 B
132.060	043	1,1,1,2-Tetrachloroethane	EPA 8260 B
132.060	044	1,1,2,2-Tetrachloroethane	EPA 8260 B
132.060	045	1,1,2-Trichloroethane	EPA 8260 B
132.060	046	1,2-Dichlorobenzene	EPA 8260 B
132.060	047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 B
132.060	048	1,2-Dibromoethane (EDB)	EPA 8260 B
132.060	049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 B
132.060	050	1,2-Dichloropropane	EPA 8260 B
132.060	051	1,2,3-Trichloropropane (TCP)	EPA 8260 B
132.060	052	1,2,4-Trichlorobenzene	EPA 8260 B
132.060	053	1,3-Dichlorobenzene	EPA 8260 B
132.060	054	1,4-Dichlorobenzene	EPA 8260 B
132.060	055	2-Chloroethyl vinyl Ether	EPA 8260 B
132.060	056	4-Chlorotoluene	EPA 8260 B
132.060	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 B
132.060	058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 B
132.060	059	Diisopropyl ether (DIPE)	EPA 8260 B
132.060	061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 B

132.060	062	tert-Amyl Methyl Ether (TAME)	EPA 8260 B
132.061	001	Gasoline Range Organics (GRO)	EPA 8260 B
132.061	002	Gasoline Range Organics (GRO) [LUFT Range]	EPA 8260 B

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**Field of Accreditation:**133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)

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133.020	002	Diesel Range Organics (DRO)	EPA 8015 C
133.110	001	Aldrin	EPA 8081 B
133.110	002	alpha-BHC	EPA 8081 B
133.110	003	beta-BHC	EPA 8081 B
133.110	004	delta-BHC	EPA 8081 B
133.110	005	gamma-BHC (Lindane)	EPA 8081 B
133.110	006	Chlordane	EPA 8081 B
133.110	008	4,4'-DDD	EPA 8081 B
133.110	009	4,4'-DDE	EPA 8081 B
133.110	010	4,4'-DDT	EPA 8081 B
133.110	011	Dieldrin	EPA 8081 B
133.110	012	Endosulfan I	EPA 8081 B
133.110	013	Endosulfan II	EPA 8081 B
133.110	014	Endosulfan Sulfate	EPA 8081 B
133.110	015	Endrin	EPA 8081 B
133.110	016	Endrin Aldehyde	EPA 8081 B
133.110	017	Endrin Ketone	EPA 8081 B
133.110	018	Heptachlor	EPA 8081 B
133.110	019	Heptachlor Epoxide	EPA 8081 B
133.110	020	Methoxychlor	EPA 8081 B
133.110	021	Toxaphene	EPA 8081 B
133.130	001	Aroclor 1016	EPA 8082 A
133.130	002	Aroclor 1221	EPA 8082 A
133.130	003	Aroclor 1232	EPA 8082 A
133.130	004	Aroclor 1242	EPA 8082 A
133.130	005	Aroclor 1248	EPA 8082 A
133.130	006	Aroclor 1254	EPA 8082 A
133.130	007	Aroclor 1260	EPA 8082 A
133.230	001	Acenaphthene	EPA 8270 C
133.230	002	Acenaphthylene	EPA 8270 C
133.230	003	Aniline	EPA 8270 C
133.230	004	Anthracene	EPA 8270 C
133.230	005	Benzidine	EPA 8270 C
133.230	006	Benzoic Acid	EPA 8270 C
133.230	007	Benzo(a)anthracene	EPA 8270 C
133.230	008	Benzo(b)fluoranthene	EPA 8270 C
133.230	009	Benzo(k)fluoranthene	EPA 8270 C
133.230	010	Benzo(g,h,i)perylene	EPA 8270 C

133.230	011	Benzo(a)pyrene	EPA 8270 C
133.230	012	Benzyl Alcohol	EPA 8270 C
133.230	013	Bis(2-chloroethoxy) Methane	EPA 8270 C
133.230	014	Bis(2-chloroethyl) Ether	EPA 8270 C
133.230	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 C
133.230	016	Butyl Benzyl Phthalate	EPA 8270 C
133.230	017	Chrysene	EPA 8270 C
133.230	018	Dibenz(a,h)anthracene	EPA 8270 C
133.230	019	Dibenzofuran	EPA 8270 C
133.230	020	Di-n-butyl Phthalate	EPA 8270 C
133.230	021	Diethyl Phthalate	EPA 8270 C
133.230	022	Dimethyl Phthalate	EPA 8270 C
133.230	023	Di-n-octyl Phthalate	EPA 8270 C
133.230	024	Fluoranthene	EPA 8270 C
133.230	025	Fluorene	EPA 8270 C
133.230	026	Naphthalene	EPA 8270 C
133.230	027	Nitrobenzene	EPA 8270 C
133.230	028	Pentachlorobenzene	EPA 8270 C
133.230	029	Pentachlorophenol	EPA 8270 C
133.230	031	1,2-Dichlorobenzene	EPA 8270 C
133.230	032	1,3-Dichlorobenzene	EPA 8270 C
133.230	033	1,4-Dichlorobenzene	EPA 8270 C
133.230	034	2-Chloronaphthalene	EPA 8270 C
133.230	035	2-Chlorophenol	EPA 8270 C
133.230	036	2,4-Dichlorophenol	EPA 8270 C
133.230	037	2,4-Dimethylphenol	EPA 8270 C
133.230	038	2,4-Dinitrophenol	EPA 8270 C
133.230	039	2,4-Dinitrotoluene	EPA 8270 C
133.230	040	2,6-Dichlorophenol	EPA 8270 C
133.230	041	2,6-Dinitrotoluene	EPA 8270 C
133.230	042	2-Nitroaniline	EPA 8270 C
133.230	043	2-Nitrophenol	EPA 8270 C
133.230	044	3-Nitroaniline	EPA 8270 C
133.230	045	3,3'-Dichlorobenzidine	EPA 8270 C
133.230	046	4-Chloroaniline	EPA 8270 C
133.230	047	4-Chloro-3-methylphenol	EPA 8270 C
133.230	048	4-Bromophenyl Phenyl Ether	EPA 8270 C
133.230	049	4-Chlorophenyl Phenyl Ether	EPA 8270 C
133.230	050	4-Nitroaniline	EPA 8270 C
133.230	051	4-Nitrophenol	EPA 8270 C
133.230	088	N-nitrosodimethylamine	EPA 8270 C
133.230	089	N-nitrosodiphenylamine	EPA 8270 C

133.230	090	N-nitroso-di-n-propylamine	EPA 8270 C
133.230	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 C
133.230	092	Isophorone	EPA 8270 C
133.230	093	2-Methylnaphthalene	EPA 8270 C
133.230	094	Phenanthrene	EPA 8270 C
133.265	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290
133.265	002	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290
133.265	003	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290
133.265	004	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290
133.265	005	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290
133.265	006	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290
133.265	007	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290
133.265	008	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 8290
133.265	009	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290
133.265	010	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290
133.265	011	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290
133.265	012	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290
133.265	013	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 8290
133.265	014	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290
133.265	015	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 8290
133.265	016	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 8290
133.265	017	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290
133.265	018	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290
133.265	019	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290
133.265	020	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290
133.265	021	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290
133.265	022	Total Tetrachlorodibenzofuran (TCDF)	EPA 8290
133.265	023	Total Pentachlorodibenzofuran (PeCDF)	EPA 8290
133.265	024	Total Hexachlorodibenzofuran (HxCDF)	EPA 8290
133.265	025	Total Heptachlorodibenzofuran (HpCDF)	EPA 8290
133.267	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A
133.267	002	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A
133.267	003	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A
133.267	004	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A
133.267	005	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A
133.267	006	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A
133.267	007	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290 A
133.267	008	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 8290 A
133.267	009	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A
133.267	010	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A
133.267	011	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A
133.267	012	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A

133.267	013	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A
133.267	014	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A
133.267	015	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A
133.267	016	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A
133.267	017	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290 A
133.267	018	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A
133.267	019	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A
133.267	020	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A
133.267	021	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A
133.267	022	Total Tetrachlorodibenzofuran (TCDF)	EPA 8290 A
133.267	023	Total Pentachlorodibenzofuran (PeCDF)	EPA 8290 A
133.267	024	Total Hexachlorodibenzofuran (HxCDF)	EPA 8290 A
133.267	025	Total Heptachlorodibenzofuran (HpCDF)	EPA 8290 A
133.380	001	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	DoD QSM Version 5.1 (or newer)
133.380	002	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	DoD QSM Version 5.1 (or newer)
133.380	003	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	DoD QSM Version 5.1 (or newer)
133.380	004	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	DoD QSM Version 5.1 (or newer)
133.380	005	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	DoD QSM Version 5.1 (or newer)
133.380	006	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	DoD QSM Version 5.1 (or newer)
133.380	007	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	DoD QSM Version 5.1 (or newer)
133.380	008	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	DoD QSM Version 5.1 (or newer)
133.380	009	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	DoD QSM Version 5.1 (or newer)
133.380	010	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	DoD QSM Version 5.1 (or newer)
133.380	011	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	DoD QSM Version 5.1 (or newer)
133.380	012	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	DoD QSM Version 5.1 (or newer)
133.380	013	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	DoD QSM Version 5.1 (or newer)
133.380	014	Perfluorobutanoic Acid (PFBA)	DoD QSM Version 5.1 (or newer)
133.380	015	Perfluorobutane Sulfonic Acid (PFBS)	DoD QSM Version 5.1 (or newer)
133.380	016	Perfluorodecanoic Acid (PFDA)	DoD QSM Version 5.1 (or newer)
133.380	017	Perfluorododecanoic Acid (PFDoA)	DoD QSM Version 5.1 (or newer)
133.380	018	Perfluorodecane Sulfonic Acid (PFDS)	DoD QSM Version 5.1 (or newer)
133.380	019	Perfluoroheptanoic Acid (PFHpA)	DoD QSM Version 5.1 (or newer)
133.380	020	Perfluoroheptane Sulfonic Acid (PFHpS)	DoD QSM Version 5.1 (or newer)
133.380	021	Perfluorohexane Sulfonic Acid (PFHxS)	DoD QSM Version 5.1 (or newer)
133.380	022	Perfluorohexanoic Acid (PFHxA)	DoD QSM Version 5.1 (or newer)
133.380	023	Perfluorononanoic Acid (PFNA)	DoD QSM Version 5.1 (or newer)
133.380	024	Perfluorooctanoic Acid (PFOA)	DoD QSM Version 5.1 (or newer)
133.380	025	Perfluorooctane Sulfonic Acid (PFOS)	DoD QSM Version 5.1 (or newer)
133.380	026	Perfluorooctane Sulfonamide (PFOSAm)	DoD QSM Version 5.1 (or newer)
133.380	027	Perfluoropentanoic Acid (PFPeA)	DoD QSM Version 5.1 (or newer)
133.380	028	Perfluoropentane Sulfonic Acid (PFPeS)	DoD QSM Version 5.1 (or newer)
133.380	029	Perfluorotetradecanoic Acid (PFTDA)	DoD QSM Version 5.1 (or newer)

**Eurofins Sacramento****Certificate Number:** 2897**Expiration Date:** 1/31/2024

133.380	030	Perfluoroundecanoic Acid (PFUnDA)	DoD QSM Version 5.1 (or newer)
133.380	031	Perfluoroundecanoic Acid (PFUnDA)	DoD QSM Version 5.1 (or newer)
133.380	032	10:2 Fluorotelomer Sulfonic Acid (10:2 FTS)	DoD QSM Version 5.1 (or newer)
133.380	033	Perfluorohexadecanoic Acid (PFHxDA)	DoD QSM Version 5.1 (or newer)
133.380	034	Perfluorononane Sulfonic Acid (PFNS)	DoD QSM Version 5.1 (or newer)
133.380	035	Perfluorooctadecanoic Acid (PFODA)	DoD QSM Version 5.1 (or newer)
133.380	036	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	DoD QSM Version 5.1 (or newer)
133.380	037	2H,2H,3H,3H-Perfluorohexanoic Acid (3:3 FTCA)	DoD QSM Version 5.1 (or newer)
133.380	038	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	DoD QSM Version 5.1 (or newer)
133.380	039	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	DoD QSM Version 5.1 (or newer)
133.380	040	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	DoD QSM Version 5.1 (or newer)
133.380	041	Perfluoro-3-methoxypropanoic acid (PFMPA)	DoD QSM Version 5.1 (or newer)
133.380	042	Perfluoro-4-methoxybutanoic acid (PFMBA)	DoD QSM Version 5.1 (or newer)





STATE WATER RESOURCES CONTROL BOARD  
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF  
ENVIRONMENTAL LABORATORY ACCREDITATION**

Is hereby granted to

**Eurofins St. Louis**

13715 Rider Trail North

Earth City, MO 63045

Scope of the certificate is limited to the  
"Fields of Accreditation"  
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations,  
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2886**

Effective Date: **7/1/2022**

Expiration Date: **6/30/2023**

A handwritten signature in blue ink, appearing to read "Christine Sotelo".

Sacramento, California  
subject to forfeiture or revocation

Christine Sotelo, Program Manager  
Environmental Laboratory Accreditation Program



**CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Fields of Accreditation**



**Eurofins St. Louis**

13715 Rider Trail North  
Earth City, MO 63045  
Phone: 3142988566

**Certificate Number: 2886**  
**Expiration Date: 6/30/2023**

Primary Accreditation  
Body

**Field of Accreditation:106 - Radionuclides in Drinking Water**

106.010	001	Gross Alpha	EPA 900.0	FL / LA
106.010	002	Gross Beta	EPA 900.0	FL / LA
106.050	002	Radium-226	EPA 903.0	FL / LA
106.060	001	Radium-228	EPA 904.0	FL / LA
106.070	003	Strontium-90	EPA 905.0	FL / LA
106.080	001	Tritium	EPA 906.0	FL / LA
106.092	001	Uranium	EPA 200.8	FL / LA
106.220	001	Strontium-89, 90	DOE Sr-02	FL / LA
106.230	001	Uranium	DOE U-02	FL / LA
106.270	001	Gross Alpha	SM 7110 C	FL / LA
106.610	001	Radon-222	SM 7500-Rn	FL / LA

**Field of Accreditation:108 - Inorganic Constituents in Non-Potable Water**

108.013	001	Calcium	EPA 200.7	FL / LA
108.013	002	Magnesium	EPA 200.7	FL / LA
108.013	004	Potassium	EPA 200.7	FL / LA
108.013	006	Sodium	EPA 200.7	FL / LA
108.015	001	Calcium	EPA 200.8	FL / LA
108.015	002	Magnesium	EPA 200.8	FL / LA
108.015	003	Potassium	EPA 200.8	FL / LA
108.015	005	Sodium	EPA 200.8	FL / LA

**Field of Accreditation:109 - Metals and Trace Elements in Non-Potable Water**

109.623	001	Aluminum	EPA 200.7	FL / LA
109.623	002	Antimony	EPA 200.7	FL / LA
109.623	003	Arsenic	EPA 200.7	FL / LA
109.623	004	Barium	EPA 200.7	FL / LA
109.623	005	Beryllium	EPA 200.7	FL / LA
109.623	006	Boron	EPA 200.7	FL / LA
109.623	007	Cadmium	EPA 200.7	FL / LA
109.623	008	Chromium	EPA 200.7	FL / LA
109.623	009	Cobalt	EPA 200.7	FL / LA
109.623	010	Copper	EPA 200.7	FL / LA
109.623	011	Iron	EPA 200.7	FL / LA
109.623	012	Lead	EPA 200.7	FL / LA

As of 7/1/2022, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

109.623	013	Manganese	EPA 200.7	FL / LA
109.623	014	Molybdenum	EPA 200.7	FL / LA
109.623	015	Nickel	EPA 200.7	FL / LA
109.623	016	Selenium	EPA 200.7	FL / LA
109.623	017	Silver	EPA 200.7	FL / LA
109.623	018	Thallium	EPA 200.7	FL / LA
109.623	019	Tin	EPA 200.7	FL / LA
109.623	020	Titanium	EPA 200.7	FL / LA
109.623	021	Vanadium	EPA 200.7	FL / LA
109.623	022	Zinc	EPA 200.7	FL / LA
109.625	001	Aluminum	EPA 200.8	FL / LA
109.625	002	Antimony	EPA 200.8	FL / LA
109.625	003	Arsenic	EPA 200.8	FL / LA
109.625	004	Barium	EPA 200.8	FL / LA
109.625	005	Beryllium	EPA 200.8	FL / LA
109.625	007	Cadmium	EPA 200.8	FL / LA
109.625	008	Chromium	EPA 200.8	FL / LA
109.625	009	Cobalt	EPA 200.8	FL / LA
109.625	010	Copper	EPA 200.8	FL / LA
109.625	012	Iron	EPA 200.8	FL / LA
109.625	013	Lead	EPA 200.8	FL / LA
109.625	014	Manganese	EPA 200.8	FL / LA
109.625	015	Molybdenum	EPA 200.8	FL / LA
109.625	016	Nickel	EPA 200.8	FL / LA
109.625	017	Selenium	EPA 200.8	FL / LA
109.625	018	Silver	EPA 200.8	FL / LA
109.625	019	Thallium	EPA 200.8	FL / LA
109.625	020	Tin	EPA 200.8	FL / LA
109.625	021	Titanium	EPA 200.8	FL / LA
109.625	022	Vanadium	EPA 200.8	FL / LA
109.625	023	Zinc	EPA 200.8	FL / LA
109.635	001	Mercury	EPA 245.1	FL / LA

**Field of Accreditation:112 - Radionuclides in Non-Potable Water**

112.001	001	Gross Alpha	EPA 900.0	FL / LA
112.001	002	Gross Beta	EPA 900.0	FL / LA
112.003	001	Total Alpha Radium	EPA 903.0	FL / LA

**Field of Accreditation:114 - Inorganic Constituents in Hazardous Waste**

114.315	002	Antimony	EPA 6010 B	ANAB
114.315	003	Arsenic	EPA 6010 B	ANAB
114.315	004	Barium	EPA 6010 B	ANAB
114.315	005	Beryllium	EPA 6010 B	ANAB
114.315	007	Cadmium	EPA 6010 B	ANAB

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114.315	009	Chromium	EPA 6010 B	ANAB
114.315	010	Cobalt	EPA 6010 B	ANAB
114.315	011	Copper	EPA 6010 B	ANAB
114.315	013	Lead	EPA 6010 B	ANAB
114.315	016	Molybdenum	EPA 6010 B	ANAB
114.315	017	Nickel	EPA 6010 B	ANAB
114.315	019	Selenium	EPA 6010 B	ANAB
114.315	020	Silver	EPA 6010 B	ANAB
114.315	023	Thallium	EPA 6010 B	ANAB
114.315	026	Vanadium	EPA 6010 B	ANAB
114.315	027	Zinc	EPA 6010 B	ANAB
114.325	001	Aluminum	EPA 6010 D	FL / LA
114.325	002	Antimony	EPA 6010 D	FL / LA
114.325	003	Arsenic	EPA 6010 D	FL / LA
114.325	004	Barium	EPA 6010 D	FL / LA
114.325	005	Beryllium	EPA 6010 D	FL / LA
114.325	006	Boron	EPA 6010 D	FL / LA
114.325	007	Cadmium	EPA 6010 D	FL / LA
114.325	008	Calcium	EPA 6010 D	FL / LA
114.325	009	Chromium	EPA 6010 D	FL / LA
114.325	010	Cobalt	EPA 6010 D	FL / LA
114.325	011	Copper	EPA 6010 D	FL / LA
114.325	012	Iron	EPA 6010 D	FL / LA
114.325	013	Lead	EPA 6010 D	FL / LA
114.325	014	Magnesium	EPA 6010 D	FL / LA
114.325	015	Manganese	EPA 6010 D	FL / LA
114.325	016	Molybdenum	EPA 6010 D	FL / LA
114.325	017	Nickel	EPA 6010 D	FL / LA
114.325	018	Potassium	EPA 6010 D	FL / LA
114.325	019	Selenium	EPA 6010 D	FL / LA
114.325	020	Silver	EPA 6010 D	FL / LA
114.325	021	Sodium	EPA 6010 D	FL / LA
114.325	022	Strontium	EPA 6010 D	FL / LA
114.325	023	Thallium	EPA 6010 D	FL / LA
114.325	024	Tin	EPA 6010 D	FL / LA
114.325	025	Titanium	EPA 6010 D	FL / LA
114.325	026	Vanadium	EPA 6010 D	FL / LA
114.325	027	Zinc	EPA 6010 D	FL / LA
114.335	002	Antimony	EPA 6020	ANAB
114.335	003	Arsenic	EPA 6020	ANAB
114.335	004	Barium	EPA 6020	ANAB
114.335	005	Beryllium	EPA 6020	ANAB

As of 7/1/2022, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

## Eurofins St. Louis

Certificate Number: 2886

Expiration Date: 6/30/2023

114.335	006	Cadmium	EPA 6020	ANAB
114.335	007	Chromium	EPA 6020	ANAB
114.335	008	Cobalt	EPA 6020	ANAB
114.335	009	Copper	EPA 6020	ANAB
114.335	010	Lead	EPA 6020	ANAB
114.335	012	Nickel	EPA 6020	ANAB
114.335	013	Silver	EPA 6020	ANAB
114.335	014	Thallium	EPA 6020	ANAB
114.335	015	Zinc	EPA 6020	ANAB
114.345	001	Aluminum	EPA 6020 B	FL / LA
114.345	002	Antimony	EPA 6020 B	FL / LA
114.345	003	Arsenic	EPA 6020 B	FL / LA
114.345	004	Barium	EPA 6020 B	FL / LA
114.345	005	Beryllium	EPA 6020 B	FL / LA
114.345	006	Cadmium	EPA 6020 B	FL / LA
114.345	007	Calcium	EPA 6020 B	FL / LA
114.345	008	Chromium	EPA 6020 B	FL / LA
114.345	009	Cobalt	EPA 6020 B	FL / LA
114.345	010	Copper	EPA 6020 B	FL / LA
114.345	011	Iron	EPA 6020 B	FL / LA
114.345	012	Lead	EPA 6020 B	FL / LA
114.345	013	Magnesium	EPA 6020 B	FL / LA
114.345	014	Manganese	EPA 6020 B	FL / LA
114.345	016	Nickel	EPA 6020 B	FL / LA
114.345	017	Potassium	EPA 6020 B	FL / LA
114.345	018	Selenium	EPA 6020 B	FL / LA
114.345	019	Silver	EPA 6020 B	FL / LA
114.345	020	Sodium	EPA 6020 B	FL / LA
114.345	021	Thallium	EPA 6020 B	FL / LA
114.345	022	Vanadium	EPA 6020 B	FL / LA
114.345	023	Zinc	EPA 6020 B	FL / LA
114.345	024	Molybdenum	EPA 6020 B	FL / LA
114.535	001	Mercury	EPA 7471 A	FL / LA
114.545	001	Mercury	EPA 7471 B	FL / LA

**Field of Accreditation:**118 - Radionuclides in Hazardous Waste

118.315	001	Gross Alpha	EPA 9310	FL / LA
118.315	002	Gross Beta	EPA 9310	FL / LA
118.325	001	Total Alpha Radium	EPA 9315	FL / LA
118.335	001	Radium-228	EPA 9320	FL / LA
118.465	001	Strontium	DOE Sr-02	FL / LA
118.485	001	Uranium	DOE U-02	FL / LA

**Field of Accreditation:**130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)

As of 7/1/2022, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

**Eurofins St. Louis****Certificate Number:** 2886**Expiration Date:** 6/30/2023

130.010	002	Antimony	EPA 6010 B	ANAB
130.010	003	Arsenic	EPA 6010 B	ANAB
130.010	004	Barium	EPA 6010 B	ANAB
130.010	005	Beryllium	EPA 6010 B	ANAB
130.010	007	Cadmium	EPA 6010 B	ANAB
130.010	008	Calcium	EPA 6010 B	ANAB
130.010	009	Chromium	EPA 6010 B	ANAB
130.010	010	Cobalt	EPA 6010 B	ANAB
130.010	011	Copper	EPA 6010 B	ANAB
130.010	013	Lead	EPA 6010 B	ANAB
130.010	016	Molybdenum	EPA 6010 B	ANAB
130.010	017	Nickel	EPA 6010 B	ANAB
130.010	021	Sodium	EPA 6010 B	ANAB
130.010	022	Strontium	EPA 6010 B	ANAB
130.010	024	Tin	EPA 6010 B	ANAB
130.010	025	Titanium	EPA 6010 B	ANAB
130.020	001	Aluminum	EPA 6010 D	FL / LA
130.020	002	Antimony	EPA 6010 D	FL / LA
130.020	003	Arsenic	EPA 6010 D	FL / LA
130.020	004	Barium	EPA 6010 D	FL / LA
130.020	005	Beryllium	EPA 6010 D	FL / LA
130.020	006	Boron	EPA 6010 D	FL / LA
130.020	007	Cadmium	EPA 6010 D	FL / LA
130.020	008	Calcium	EPA 6010 D	FL / LA
130.020	009	Chromium	EPA 6010 D	FL / LA
130.020	010	Cobalt	EPA 6010 D	FL / LA
130.020	011	Copper	EPA 6010 D	FL / LA
130.020	012	Iron	EPA 6010 D	FL / LA
130.020	013	Lead	EPA 6010 D	FL / LA
130.020	014	Magnesium	EPA 6010 D	FL / LA
130.020	015	Manganese	EPA 6010 D	FL / LA
130.020	016	Molybdenum	EPA 6010 D	FL / LA
130.020	017	Nickel	EPA 6010 D	FL / LA
130.020	018	Potassium	EPA 6010 D	FL / LA
130.020	019	Selenium	EPA 6010 D	FL / LA
130.020	020	Silver	EPA 6010 D	FL / LA
130.020	021	Sodium	EPA 6010 D	FL / LA
130.020	022	Strontium	EPA 6010 D	FL / LA
130.020	023	Thallium	EPA 6010 D	FL / LA
130.020	024	Tin	EPA 6010 D	FL / LA
130.020	025	Titanium	EPA 6010 D	FL / LA
130.020	026	Vanadium	EPA 6010 D	FL / LA

As of 7/1/2022, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

## Eurofins St. Louis

Certificate Number: 2886

Expiration Date: 6/30/2023

130.020	027	Zinc	EPA 6010 D	FL / LA
130.030	002	Antimony	EPA 6020	ANAB
130.030	003	Arsenic	EPA 6020	ANAB
130.030	004	Barium	EPA 6020	ANAB
130.030	005	Beryllium	EPA 6020	ANAB
130.030	006	Cadmium	EPA 6020	ANAB
130.030	007	Chromium	EPA 6020	ANAB
130.030	008	Cobalt	EPA 6020	ANAB
130.030	009	Copper	EPA 6020	ANAB
130.030	010	Lead	EPA 6020	ANAB
130.030	012	Nickel	EPA 6020	ANAB
130.030	013	Silver	EPA 6020	ANAB
130.030	014	Thallium	EPA 6020	ANAB
130.030	015	Zinc	EPA 6020	ANAB
130.040	001	Aluminum	EPA 6020 B	FL / LA
130.040	002	Antimony	EPA 6020 B	FL / LA
130.040	003	Arsenic	EPA 6020 B	FL / LA
130.040	004	Barium	EPA 6020 B	FL / LA
130.040	005	Beryllium	EPA 6020 B	FL / LA
130.040	006	Cadmium	EPA 6020 B	FL / LA
130.040	007	Calcium	EPA 6020 B	FL / LA
130.040	008	Chromium	EPA 6020 B	FL / LA
130.040	009	Cobalt	EPA 6020 B	FL / LA
130.040	010	Copper	EPA 6020 B	FL / LA
130.040	011	Iron	EPA 6020 B	FL / LA
130.040	012	Lead	EPA 6020 B	FL / LA
130.040	013	Magnesium	EPA 6020 B	FL / LA
130.040	014	Manganese	EPA 6020 B	FL / LA
130.040	016	Nickel	EPA 6020 B	FL / LA
130.040	017	Potassium	EPA 6020 B	FL / LA
130.040	018	Selenium	EPA 6020 B	FL / LA
130.040	019	Silver	EPA 6020 B	FL / LA
130.040	020	Sodium	EPA 6020 B	FL / LA
130.040	021	Thallium	EPA 6020 B	FL / LA
130.040	022	Vanadium	EPA 6020 B	FL / LA
130.040	023	Zinc	EPA 6020 B	FL / LA
130.040	024	Molybdenum	EPA 6020 B	FL / LA
130.250	001	Mercury	EPA 7470 A	FL / LA
<b>Field of Accreditation:134 - Radionucleotides in Hazardous Waste (Matrix Aqueous)</b>				
134.010	001	Gross Alpha	EPA 9310	FL / LA
134.010	002	Gross Beta	EPA 9310	FL / LA
134.020	001	Total Alpha Radium	EPA 9315	FL / LA

**Eurofins St. Louis**

**Certificate Number:** 2886

**Expiration Date:** 6/30/2023

134.030	001	Radium-228	EPA 9320	FL / LA
134.170	001	Strontium	DOE Sr-02	FL / LA
134.190	001	Uranium	DOE U-02	FL / LA





STATE WATER RESOURCES CONTROL BOARD  
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF  
ENVIRONMENTAL LABORATORY ACCREDITATION**

Is hereby granted to

**Eurofins Seattle**

5755 8th Street East

Tacoma, WA 98424

Scope of the certificate is limited to the  
"Fields of Accreditation"  
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations,  
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2954**

Effective Date: **7/8/2022**

Expiration Date: **7/7/2023**

A handwritten signature in blue ink, appearing to read "Christine Sotelo".

Sacramento, California  
subject to forfeiture or revocation

Christine Sotelo, Program Manager  
Environmental Laboratory Accreditation Program



**CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Fields of Accreditation**



**Eurofins Seattle**

5755 8th Street East  
Tacoma, WA 98424  
Phone: 2539222310

**Certificate Number: 2954  
Expiration Date: 7/7/2023**

Primary Accreditation  
Body

**Field of Accreditation:109 - Metals and Trace Elements in Non-Potable Water**

109.625 001	Aluminum	EPA 200.8	OR
109.625 002	Antimony	EPA 200.8	OR
109.625 003	Arsenic	EPA 200.8	OR
109.625 004	Barium	EPA 200.8	OR
109.625 005	Beryllium	EPA 200.8	OR
109.625 007	Cadmium	EPA 200.8	OR
109.625 008	Chromium	EPA 200.8	OR
109.625 009	Cobalt	EPA 200.8	OR
109.625 010	Copper	EPA 200.8	OR
109.625 012	Iron	EPA 200.8	OR
109.625 013	Lead	EPA 200.8	OR
109.625 014	Manganese	EPA 200.8	OR
109.625 015	Molybdenum	EPA 200.8	OR
109.625 016	Nickel	EPA 200.8	OR
109.625 017	Selenium	EPA 200.8	OR
109.625 018	Silver	EPA 200.8	OR
109.625 019	Thallium	EPA 200.8	OR
109.625 021	Titanium	EPA 200.8	OR
109.625 022	Vanadium	EPA 200.8	OR
109.625 023	Zinc	EPA 200.8	OR
109.657 001	Mercury	EPA 1631 E	OR

**Field of Accreditation:114 - Inorganic Constituents in Hazardous Waste**

114.010 001	Antimony	EPA 6010 B	OR
114.010 002	Arsenic	EPA 6010 B	OR
114.010 003	Barium	EPA 6010 B	OR
114.010 004	Beryllium	EPA 6010 B	OR
114.010 005	Cadmium	EPA 6010 B	OR
114.010 006	Chromium	EPA 6010 B	OR
114.010 007	Cobalt	EPA 6010 B	OR
114.010 008	Copper	EPA 6010 B	OR
114.010 009	Lead	EPA 6010 B	OR
114.010 010	Molybdenum	EPA 6010 B	OR
114.010 011	Nickel	EPA 6010 B	OR

As of 7/8/2022 , this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

**Eurofins Seattle****Certificate Number:** 2954  
**Expiration Date:** 7/7/2023

114.010	012	Selenium	EPA 6010 B	OR
114.010	013	Silver	EPA 6010 B	OR
114.010	014	Thallium	EPA 6010 B	OR
114.010	015	Vanadium	EPA 6010 B	OR
114.010	016	Zinc	EPA 6010 B	OR
114.020	001	Antimony	EPA 6020	OR
114.020	002	Arsenic	EPA 6020	OR
114.020	003	Barium	EPA 6020	OR
114.020	004	Beryllium	EPA 6020	OR
114.020	005	Cadmium	EPA 6020	OR
114.020	006	Chromium	EPA 6020	OR
114.020	007	Cobalt	EPA 6020	OR
114.020	008	Copper	EPA 6020	OR
114.020	009	Lead	EPA 6020	OR
114.020	010	Molybdenum	EPA 6020	OR
114.020	011	Nickel	EPA 6020	OR
114.020	012	Selenium	EPA 6020	OR
114.020	013	Silver	EPA 6020	OR
114.020	014	Thallium	EPA 6020	OR
114.020	015	Vanadium	EPA 6020	OR
114.020	016	Zinc	EPA 6020	OR
114.140	001	Mercury	EPA 7470 A	OR
114.141	001	Mercury	EPA 7471 A	OR
114.221	001	Cyanide, Total	EPA 9012 A	OR
114.241	001	Corrosivity - pH Determination	EPA 9045 C	OR
114.325	001	Aluminum	EPA 6010 D	OR
114.325	002	Antimony	EPA 6010 D	OR
114.325	003	Arsenic	EPA 6010 D	OR
114.325	004	Barium	EPA 6010 D	OR
114.325	005	Beryllium	EPA 6010 D	OR
114.325	006	Boron	EPA 6010 D	OR
114.325	007	Cadmium	EPA 6010 D	OR
114.325	008	Calcium	EPA 6010 D	OR
114.325	009	Chromium	EPA 6010 D	OR
114.325	010	Cobalt	EPA 6010 D	OR
114.325	011	Copper	EPA 6010 D	OR
114.325	012	Iron	EPA 6010 D	OR
114.325	013	Lead	EPA 6010 D	OR
114.325	014	Magnesium	EPA 6010 D	OR
114.325	015	Manganese	EPA 6010 D	OR
114.325	016	Molybdenum	EPA 6010 D	OR
114.325	017	Nickel	EPA 6010 D	OR

114.325 018	Potassium	EPA 6010 D	OR
114.325 019	Selenium	EPA 6010 D	OR
114.325 020	Silver	EPA 6010 D	OR
114.325 021	Sodium	EPA 6010 D	OR
114.325 022	Strontium	EPA 6010 D	OR
114.325 023	Thallium	EPA 6010 D	OR
114.325 024	Tin	EPA 6010 D	OR
114.325 025	Titanium	EPA 6010 D	OR
114.325 026	Vanadium	EPA 6010 D	OR
114.325 027	Zinc	EPA 6010 D	OR
114.345 001	Aluminum	EPA 6020 B	OR
114.345 002	Antimony	EPA 6020 B	OR
114.345 003	Arsenic	EPA 6020 B	OR
114.345 004	Barium	EPA 6020 B	OR
114.345 005	Beryllium	EPA 6020 B	OR
114.345 006	Cadmium	EPA 6020 B	OR
114.345 008	Chromium	EPA 6020 B	OR
114.345 009	Cobalt	EPA 6020 B	OR
114.345 010	Copper	EPA 6020 B	OR
114.345 011	Iron	EPA 6020 B	OR
114.345 012	Lead	EPA 6020 B	OR
114.345 014	Manganese	EPA 6020 B	OR
114.345 015	Mercury	EPA 6020 B	OR
114.345 016	Nickel	EPA 6020 B	OR
114.345 018	Selenium	EPA 6020 B	OR
114.345 019	Silver	EPA 6020 B	OR
114.345 021	Thallium	EPA 6020 B	OR
114.345 022	Vanadium	EPA 6020 B	OR
114.345 023	Zinc	EPA 6020 B	OR
114.345 024	Molybdenum	EPA 6020 B	OR
114.535 001	Mercury	EPA 7471 A	OR
114.715 001	Cyanide, Total	EPA 9012 B	OR
114.715 002	Cyanide, Amenable	EPA 9012 B	OR
114.765 001	Organic Carbon-Total (TOC)	EPA 9060 A	OR
or 001	Corrosivity - pH Determination	EPA 9040 B	OR

**Field of Accreditation:115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste**

115.135 001	Corrosivity - pH Determination	EPA 9045 C	OR
115.145 001	Corrosivity - pH Determination	EPA 9045 D	OR

**Field of Accreditation:116 - Volatile Organic Compounds in Hazardous Waste**

116.010 000	EDB and DBCP	EPA 8011	OR
116.030 001	Gasoline Range Organics (GRO)	EPA 8015 B	OR
116.080 000	Volatile Organic Compounds	EPA 8260 B	OR

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116.080	120	Oxygenates	EPA 8260 B	OR
116.215	001	1,2-Dibromoethane (EDB)	EPA 8011	OR
116.215	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	OR
116.266	001	Gasoline Range Organics (GRO)	EPA 8260 B	OR
116.266	002	Gasoline Range Organics (GRO) [LUFT Range]	EPA 8260 B	OR
116.275	001	Benzene	EPA 8260 D	OR
116.275	002	Bromobenzene	EPA 8260 D	OR
116.275	003	Bromochloromethane	EPA 8260 D	OR
116.275	004	Bromodichloromethane	EPA 8260 D	OR
116.275	005	Bromoform	EPA 8260 D	OR
116.275	006	Bromomethane (Methyl Bromide)	EPA 8260 D	OR
116.275	007	n-Butylbenzene	EPA 8260 D	OR
116.275	008	sec-Butylbenzene	EPA 8260 D	OR
116.275	009	tert-Butylbenzene	EPA 8260 D	OR
116.275	010	Carbon Disulfide	EPA 8260 D	OR
116.275	011	Carbon Tetrachloride	EPA 8260 D	OR
116.275	012	Chlorobenzene	EPA 8260 D	OR
116.275	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 D	OR
116.275	014	Chloroethane	EPA 8260 D	OR
116.275	015	Chloroform	EPA 8260 D	OR
116.275	016	Chloromethane (Methyl Chloride)	EPA 8260 D	OR
116.275	017	Dibromomethane	EPA 8260 D	OR
116.275	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 D	OR
116.275	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 D	OR
116.275	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 D	OR
116.275	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 D	OR
116.275	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 D	OR
116.275	023	Ethylbenzene	EPA 8260 D	OR
116.275	024	Hexachlorobutadiene	EPA 8260 D	OR
116.275	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 D	OR
116.275	026	Methylene Chloride (Dichloromethane)	EPA 8260 D	OR
116.275	027	Naphthalene	EPA 8260 D	OR
116.275	029	N-propylbenzene	EPA 8260 D	OR
116.275	030	Styrene	EPA 8260 D	OR
116.275	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 D	OR
116.275	032	Toluene	EPA 8260 D	OR
116.275	033	Trichloroethylene (Trichloroethene)	EPA 8260 D	OR
116.275	034	Trichlorofluoromethane	EPA 8260 D	OR
116.275	035	Vinyl Chloride	EPA 8260 D	OR
116.275	036	m+p-Xylene	EPA 8260 D	OR
116.275	037	o-Xylene	EPA 8260 D	OR
116.275	040	1,1-Dichloroethane	EPA 8260 D	OR

As of 7/8/2022, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

116.275 041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 D	OR
116.275 042	1,1,1-Trichloroethane	EPA 8260 D	OR
116.275 043	1,1,1,2-Tetrachloroethane	EPA 8260 D	OR
116.275 044	1,1,2,2-Tetrachloroethane	EPA 8260 D	OR
116.275 045	1,1,2-Trichloroethane	EPA 8260 D	OR
116.275 046	1,2-Dichlorobenzene	EPA 8260 D	OR
116.275 047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 D	OR
116.275 048	1,2-Dibromoethane (EDB)	EPA 8260 D	OR
116.275 049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 D	OR
116.275 050	1,2-Dichloropropane	EPA 8260 D	OR
116.275 051	1,2,3-Trichloropropane (TCP)	EPA 8260 D	OR
116.275 052	1,2,4-Trichlorobenzene	EPA 8260 D	OR
116.275 053	1,3-Dichlorobenzene	EPA 8260 D	OR
116.275 054	1,4-Dichlorobenzene	EPA 8260 D	OR
116.275 055	2-Chloroethyl vinyl Ether	EPA 8260 D	OR
116.275 056	4-Chlorotoluene	EPA 8260 D	OR
116.275 057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 D	OR
116.275 058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 D	OR
116.275 059	Diisopropyl ether (DIPE)	EPA 8260 D	OR
116.275 061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 D	OR

**Field of Accreditation:117 - Semi-volatile Organic Chemistry of Hazardous Waste**

117.010 001	Diesel Range Organics (DRO)	EPA 8015 B	OR
117.110 000	Extractable Organics	EPA 8270 C	OR
117.210 000	Organochlorine Pesticides	EPA 8081 A	OR
117.220 000	PCBs	EPA 8082	OR
117.235 002	Diesel Range Organics (DRO)	EPA 8015 B	OR
117.235 003	Diesel Range Organics (DRO) [LUFT Range]	EPA 8015 B	OR
117.235 004	Oil Range Organics (ORO) [LUFT Range]	EPA 8015 B	OR
117.325 001	Aldrin	EPA 8081 B	OR
117.325 002	alpha-BHC	EPA 8081 B	OR
117.325 003	beta-BHC	EPA 8081 B	OR
117.325 004	delta-BHC	EPA 8081 B	OR
117.325 005	gamma-BHC (Lindane)	EPA 8081 B	OR
117.325 006	Chlordane (total)	EPA 8081 B	OR
117.325 008	4,4'-DDD	EPA 8081 B	OR
117.325 009	4,4'-DDE	EPA 8081 B	OR
117.325 010	4,4'-DDT	EPA 8081 B	OR
117.325 011	Dieldrin	EPA 8081 B	OR
117.325 012	Endosulfan I	EPA 8081 B	OR
117.325 013	Endosulfan II	EPA 8081 B	OR
117.325 014	Endosulfan Sulfate	EPA 8081 B	OR
117.325 015	Endrin	EPA 8081 B	OR

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117.325	016	Endrin Aldehyde	EPA 8081 B	OR
117.325	017	Endrin Ketone	EPA 8081 B	OR
117.325	018	Heptachlor	EPA 8081 B	OR
117.325	019	Heptachlor Epoxide	EPA 8081 B	OR
117.325	020	Methoxychlor	EPA 8081 B	OR
117.325	021	Toxaphene	EPA 8081 B	OR
117.345	001	Aroclor 1016	EPA 8082 A	OR
117.345	002	Aroclor 1221	EPA 8082 A	OR
117.345	003	Aroclor 1232	EPA 8082 A	OR
117.345	004	Aroclor 1242	EPA 8082 A	OR
117.345	005	Aroclor 1248	EPA 8082 A	OR
117.345	006	Aroclor 1254	EPA 8082 A	OR
117.345	007	Aroclor 1260	EPA 8082 A	OR
117.445	001	Acenaphthene	EPA 8270 E	OR
117.445	002	Acenaphthylene	EPA 8270 E	OR
117.445	003	Aniline	EPA 8270 E	OR
117.445	004	Anthracene	EPA 8270 E	OR
117.445	006	Benzoic Acid	EPA 8270 E	OR
117.445	007	Benzo(a)anthracene	EPA 8270 E	OR
117.445	008	Benzo(b)fluoranthene	EPA 8270 E	OR
117.445	009	Benzo(k)fluoranthene	EPA 8270 E	OR
117.445	010	Benzo(g,h,i)perylene	EPA 8270 E	OR
117.445	011	Benzo(a)pyrene	EPA 8270 E	OR
117.445	012	Benzyl Alcohol	EPA 8270 E	OR
117.445	013	Bis(2-chloroethoxy) Methane	EPA 8270 E	OR
117.445	014	Bis(2-chloroethyl) Ether	EPA 8270 E	OR
117.445	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 E	OR
117.445	016	Butyl Benzyl Phthalate	EPA 8270 E	OR
117.445	017	Chrysene	EPA 8270 E	OR
117.445	018	Dibenz(a,h)anthracene	EPA 8270 E	OR
117.445	019	Dibenzofuran	EPA 8270 E	OR
117.445	020	Di-n-butyl Phthalate	EPA 8270 E	OR
117.445	021	Diethyl Phthalate	EPA 8270 E	OR
117.445	022	Dimethyl Phthalate	EPA 8270 E	OR
117.445	023	Di-n-octyl Phthalate	EPA 8270 E	OR
117.445	024	Fluoranthene	EPA 8270 E	OR
117.445	025	Fluorene	EPA 8270 E	OR
117.445	026	Naphthalene	EPA 8270 E	OR
117.445	027	Nitrobenzene	EPA 8270 E	OR
117.445	029	Pentachlorophenol	EPA 8270 E	OR
117.445	031	1,2-Dichlorobenzene	EPA 8270 E	OR
117.445	032	1,3-Dichlorobenzene	EPA 8270 E	OR

117.445	033	1,4-Dichlorobenzene	EPA 8270 E	OR
117.445	034	2-Chloronaphthalene	EPA 8270 E	OR
117.445	035	2-Chlorophenol	EPA 8270 E	OR
117.445	036	2,4-Dichlorophenol	EPA 8270 E	OR
117.445	037	2,4-Dimethylphenol	EPA 8270 E	OR
117.445	038	2,4-Dinitrophenol	EPA 8270 E	OR
117.445	039	2,4-Dinitrotoluene	EPA 8270 E	OR
117.445	041	2,6-Dinitrotoluene	EPA 8270 E	OR
117.445	042	2-Nitroaniline	EPA 8270 E	OR
117.445	043	2-Nitrophenol	EPA 8270 E	OR
117.445	044	3-Nitroaniline	EPA 8270 E	OR
117.445	045	3,3'-Dichlorobenzidine	EPA 8270 E	OR
117.445	046	4-Chloroaniline	EPA 8270 E	OR
117.445	047	4-Chloro-3-methylphenol	EPA 8270 E	OR
117.445	048	4-Bromophenyl Phenyl Ether	EPA 8270 E	OR
117.445	049	4-Chlorophenyl Phenyl Ether	EPA 8270 E	OR
117.445	050	4-Nitroaniline	EPA 8270 E	OR
117.445	051	4-Nitrophenol	EPA 8270 E	OR
117.445	088	N-nitrosodimethylamine	EPA 8270 E	OR
117.445	089	N-nitrosodiphenylamine	EPA 8270 E	OR
117.445	090	N-nitroso-di-n-propylamine	EPA 8270 E	OR
117.445	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 E	OR
117.445	092	Isophorone	EPA 8270 E	OR
117.445	093	2-Methylnaphthalene	EPA 8270 E	OR
117.445	094	Phenanthrene	EPA 8270 E	OR

**Field of Accreditation:**130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)

130.020	001	Aluminum	EPA 6010 D	OR
130.020	002	Antimony	EPA 6010 D	OR
130.020	003	Arsenic	EPA 6010 D	OR
130.020	004	Barium	EPA 6010 D	OR
130.020	005	Beryllium	EPA 6010 D	OR
130.020	006	Boron	EPA 6010 D	OR
130.020	007	Cadmium	EPA 6010 D	OR
130.020	008	Calcium	EPA 6010 D	OR
130.020	009	Chromium	EPA 6010 D	OR
130.020	010	Cobalt	EPA 6010 D	OR
130.020	011	Copper	EPA 6010 D	OR
130.020	012	Iron	EPA 6010 D	OR
130.020	013	Lead	EPA 6010 D	OR
130.020	014	Magnesium	EPA 6010 D	OR
130.020	015	Manganese	EPA 6010 D	OR
130.020	016	Molybdenum	EPA 6010 D	OR



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130.020	017	Nickel	EPA 6010 D	OR
130.020	018	Potassium	EPA 6010 D	OR
130.020	019	Selenium	EPA 6010 D	OR
130.020	020	Silver	EPA 6010 D	OR
130.020	021	Sodium	EPA 6010 D	OR
130.020	022	Strontium	EPA 6010 D	OR
130.020	023	Thallium	EPA 6010 D	OR
130.020	024	Tin	EPA 6010 D	OR
130.020	025	Titanium	EPA 6010 D	OR
130.020	026	Vanadium	EPA 6010 D	OR
130.020	027	Zinc	EPA 6010 D	OR
130.040	001	Aluminum	EPA 6020 B	OR
130.040	002	Antimony	EPA 6020 B	OR
130.040	003	Arsenic	EPA 6020 B	OR
130.040	004	Barium	EPA 6020 B	OR
130.040	005	Beryllium	EPA 6020 B	OR
130.040	006	Cadmium	EPA 6020 B	OR
130.040	008	Chromium	EPA 6020 B	OR
130.040	009	Cobalt	EPA 6020 B	OR
130.040	010	Copper	EPA 6020 B	OR
130.040	011	Iron	EPA 6020 B	OR
130.040	012	Lead	EPA 6020 B	OR
130.040	014	Manganese	EPA 6020 B	OR
130.040	015	Mercury	EPA 6020 B	OR
130.040	016	Nickel	EPA 6020 B	OR
130.040	018	Selenium	EPA 6020 B	OR
130.040	019	Silver	EPA 6020 B	OR
130.040	021	Thallium	EPA 6020 B	OR
130.040	022	Vanadium	EPA 6020 B	OR
130.040	023	Zinc	EPA 6020 B	OR
130.040	024	Molybdenum	EPA 6020 B	OR
130.250	001	Mercury	EPA 7470 A	OR
130.440	001	Cyanide, Total	EPA 9012 B	OR
130.440	002	Cyanide, Amenable	EPA 9012 B	OR
130.490	001	Organic Carbon-Total (TOC)	EPA 9060 A	OR

**Field of Accreditation:**131 - Leaching/Extraction, Physical Characteristics in Hazardous Waste (Matrix Aqueous)

131.110	001	Corrosivity - pH Determination	EPA 9040 B	OR
131.120	001	Corrosivity - pH Determination	EPA 9040 C	OR

**Field of Accreditation:**132 - Volatile Organic Compounds in Hazardous Waste (Matrix Aqueous)

132.010	001	1,2-Dibromoethane (EDB)	EPA 8011	OR
132.010	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	OR
132.061	001	Gasoline Range Organics (GRO)	EPA 8260 B	OR

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132.061	002	Gasoline Range Organics (GRO) [LUFT Range]	EPA 8260 B	OR
132.070	001	Benzene	EPA 8260 D	OR
132.070	002	Bromobenzene	EPA 8260 D	OR
132.070	003	Bromochloromethane	EPA 8260 D	OR
132.070	004	Bromodichloromethane	EPA 8260 D	OR
132.070	005	Bromoform	EPA 8260 D	OR
132.070	006	Bromomethane (Methyl Bromide)	EPA 8260 D	OR
132.070	007	n-Butylbenzene	EPA 8260 D	OR
132.070	008	sec-Butylbenzene	EPA 8260 D	OR
132.070	009	tert-Butylbenzene	EPA 8260 D	OR
132.070	010	Carbon Disulfide	EPA 8260 D	OR
132.070	011	Carbon Tetrachloride	EPA 8260 D	OR
132.070	012	Chlorobenzene	EPA 8260 D	OR
132.070	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 D	OR
132.070	014	Chloroethane	EPA 8260 D	OR
132.070	015	Chloroform	EPA 8260 D	OR
132.070	016	Chloromethane (Methyl Chloride)	EPA 8260 D	OR
132.070	017	Dibromomethane	EPA 8260 D	OR
132.070	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 D	OR
132.070	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 D	OR
132.070	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 D	OR
132.070	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 D	OR
132.070	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 D	OR
132.070	023	Ethylbenzene	EPA 8260 D	OR
132.070	024	Hexachlorobutadiene	EPA 8260 D	OR
132.070	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 D	OR
132.070	026	Methylene Chloride (Dichloromethane)	EPA 8260 D	OR
132.070	027	Naphthalene	EPA 8260 D	OR
132.070	029	N-propylbenzene	EPA 8260 D	OR
132.070	030	Styrene	EPA 8260 D	OR
132.070	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 D	OR
132.070	032	Toluene	EPA 8260 D	OR
132.070	033	Trichloroethylene (Trichloroethene)	EPA 8260 D	OR
132.070	034	Trichlorofluoromethane	EPA 8260 D	OR
132.070	035	Vinyl Chloride	EPA 8260 D	OR
132.070	036	m+p-Xylene	EPA 8260 D	OR
132.070	037	o-Xylene	EPA 8260 D	OR
132.070	040	1,1-Dichloroethane	EPA 8260 D	OR
132.070	041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 D	OR
132.070	042	1,1,1-Trichloroethane	EPA 8260 D	OR
132.070	043	1,1,1,2-Tetrachloroethane	EPA 8260 D	OR
132.070	044	1,1,2,2-Tetrachloroethane	EPA 8260 D	OR

132.070	045	1,1,2-Trichloroethane	EPA 8260 D	OR
132.070	046	1,2-Dichlorobenzene	EPA 8260 D	OR
132.070	047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 D	OR
132.070	048	1,2-Dibromoethane (EDB)	EPA 8260 D	OR
132.070	049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 D	OR
132.070	050	1,2-Dichloropropane	EPA 8260 D	OR
132.070	051	1,2,3-Trichloropropane (TCP)	EPA 8260 D	OR
132.070	052	1,2,4-Trichlorobenzene	EPA 8260 D	OR
132.070	053	1,3-Dichlorobenzene	EPA 8260 D	OR
132.070	054	1,4-Dichlorobenzene	EPA 8260 D	OR
132.070	055	2-Chloroethyl vinyl Ether	EPA 8260 D	OR
132.070	056	4-Chlorotoluene	EPA 8260 D	OR
132.070	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 D	OR
132.070	058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 D	OR
132.070	059	Diisopropyl ether (DIPE)	EPA 8260 D	OR
132.070	061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 D	OR
132.070	062	tert-Amyl Methyl Ether (TAME)	EPA 8260 D	OR

**Field of Accreditation:133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)**

133.010	002	Diesel Range Organics (DRO)	EPA 8015 B	OR
133.010	003	Diesel Range Organics (DRO) [LUFT Range]	EPA 8015 B	OR
133.110	001	Aldrin	EPA 8081 B	OR
133.110	002	alpha-BHC	EPA 8081 B	OR
133.110	003	beta-BHC	EPA 8081 B	OR
133.110	004	delta-BHC	EPA 8081 B	OR
133.110	005	gamma-BHC (Lindane)	EPA 8081 B	OR
133.110	006	Chlordane	EPA 8081 B	OR
133.110	008	4,4'-DDD	EPA 8081 B	OR
133.110	009	4,4'-DDE	EPA 8081 B	OR
133.110	010	4,4'-DDT	EPA 8081 B	OR
133.110	011	Dieldrin	EPA 8081 B	OR
133.110	012	Endosulfan I	EPA 8081 B	OR
133.110	013	Endosulfan II	EPA 8081 B	OR
133.110	014	Endosulfan Sulfate	EPA 8081 B	OR
133.110	015	Endrin	EPA 8081 B	OR
133.110	016	Endrin Aldehyde	EPA 8081 B	OR
133.110	017	Endrin Ketone	EPA 8081 B	OR
133.110	018	Heptachlor	EPA 8081 B	OR
133.110	019	Heptachlor Epoxide	EPA 8081 B	OR
133.110	020	Methoxychlor	EPA 8081 B	OR
133.110	021	Toxaphene	EPA 8081 B	OR
133.130	001	Aroclor 1016	EPA 8082 A	OR
133.130	002	Aroclor 1221	EPA 8082 A	OR

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133.130	003	Aroclor 1232	EPA 8082 A	OR
133.130	004	Aroclor 1242	EPA 8082 A	OR
133.130	005	Aroclor 1248	EPA 8082 A	OR
133.130	006	Aroclor 1254	EPA 8082 A	OR
133.130	007	Aroclor 1260	EPA 8082 A	OR
133.240	001	Acenaphthene	EPA 8270 E	OR
133.240	002	Acenaphthylene	EPA 8270 E	OR
133.240	003	Aniline	EPA 8270 E	OR
133.240	004	Anthracene	EPA 8270 E	OR
133.240	006	Benzoic Acid	EPA 8270 E	OR
133.240	007	Benzo(a)anthracene	EPA 8270 E	OR
133.240	008	Benzo(b)fluoranthene	EPA 8270 E	OR
133.240	009	Benzo(k)fluoranthene	EPA 8270 E	OR
133.240	010	Benzo(g,h,i)perylene	EPA 8270 E	OR
133.240	011	Benzo(a)pyrene	EPA 8270 E	OR
133.240	012	Benzyl Alcohol	EPA 8270 E	OR
133.240	013	Bis(2-chloroethoxy) Methane	EPA 8270 E	OR
133.240	014	Bis(2-chloroethyl) Ether	EPA 8270 E	OR
133.240	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 E	OR
133.240	016	Butyl Benzyl Phthalate	EPA 8270 E	OR
133.240	017	Chrysene	EPA 8270 E	OR
133.240	018	Dibenz(a,h)anthracene	EPA 8270 E	OR
133.240	019	Dibenzofuran	EPA 8270 E	OR
133.240	020	Di-n-butyl Phthalate	EPA 8270 E	OR
133.240	021	Diethyl Phthalate	EPA 8270 E	OR
133.240	022	Dimethyl Phthalate	EPA 8270 E	OR
133.240	023	Di-n-octyl Phthalate	EPA 8270 E	OR
133.240	024	Fluoranthene	EPA 8270 E	OR
133.240	025	Fluorene	EPA 8270 E	OR
133.240	026	Naphthalene	EPA 8270 E	OR
133.240	027	Nitrobenzene	EPA 8270 E	OR
133.240	029	Pentachlorophenol	EPA 8270 E	OR
133.240	031	1,2-Dichlorobenzene	EPA 8270 E	OR
133.240	032	1,3-Dichlorobenzene	EPA 8270 E	OR
133.240	033	1,4-Dichlorobenzene	EPA 8270 E	OR
133.240	034	2-Chloronaphthalene	EPA 8270 E	OR
133.240	035	2-Chlorophenol	EPA 8270 E	OR
133.240	036	2,4-Dichlorophenol	EPA 8270 E	OR
133.240	037	2,4-Dimethylphenol	EPA 8270 E	OR
133.240	038	2,4-Dinitrophenol	EPA 8270 E	OR
133.240	039	2,4-Dinitrotoluene	EPA 8270 E	OR
133.240	041	2,6-Dinitrotoluene	EPA 8270 E	OR

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133.240	042	2-Nitroaniline	EPA 8270 E	OR
133.240	043	2-Nitrophenol	EPA 8270 E	OR
133.240	044	3-Nitroaniline	EPA 8270 E	OR
133.240	045	3,3'-Dichlorobenzidine	EPA 8270 E	OR
133.240	046	4-Chloroaniline	EPA 8270 E	OR
133.240	047	4-Chloro-3-methylphenol	EPA 8270 E	OR
133.240	048	4-Bromophenyl Phenyl Ether	EPA 8270 E	OR
133.240	049	4-Chlorophenyl Phenyl Ether	EPA 8270 E	OR
133.240	050	4-Nitroaniline	EPA 8270 E	OR
133.240	051	4-Nitrophenol	EPA 8270 E	OR
133.240	088	N-nitrosodimethylamine	EPA 8270 E	OR
133.240	089	N-nitrosodiphenylamine	EPA 8270 E	OR
133.240	090	N-nitroso-di-n-propylamine	EPA 8270 E	OR
133.240	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 E	OR
133.240	092	Isophorone	EPA 8270 E	OR
133.240	093	2-Methylnaphthalene	EPA 8270 E	OR
133.240	094	Phenanthrene	EPA 8270 E	OR



STATE WATER RESOURCES CONTROL BOARD  
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF  
ENVIRONMENTAL LABORATORY ACCREDITATION**

Is hereby granted to

**Aquatic Bioassay & Consulting Laboratories, Inc.**

29 North Olive Street

Ventura, CA 93001

Scope of the certificate is limited to the  
"Fields of Accreditation"  
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations,  
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1907**

Effective Date: **8/1/2021**

Expiration Date: **7/31/2023**

A handwritten signature in blue ink, appearing to read "Christine Sotelo".

Sacramento, California  
subject to forfeiture or revocation

Christine Sotelo, Program Manager  
Environmental Laboratory Accreditation Program



**CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Fields of Accreditation**



**Aquatic Bioassay & Consulting Laboratories, Inc.**

29 North Olive Street  
Ventura, CA 93001  
Phone: 8056435621

**Certificate Number: 1907  
Expiration Date: 7/31/2023**

**Field of Accreditation: 113 - Environmental Toxicity Methods**

113.010	001	Fathead Minnow ( <i>P. promelas</i> )	Polisini & Miller (CDFG 1988)
113.010	003	Rainbow trout ( <i>O. mykiss</i> )	Polisini & Miller (CDFG 1988)
113.011	001A	Fathead Minnow ( <i>P. promelas</i> )	EPA 2000.0, Static
113.011	001B	Fathead Minnow ( <i>P. promelas</i> )	EPA 2000.0, Static Renewal
113.012	011A	Daphnid ( <i>C. dubia</i> )	EPA 2002.0, Static
113.012	011B	Daphnid ( <i>C. dubia</i> )	EPA 2002.0, Static Renewal
113.013	003A	Rainbow trout ( <i>O. mykiss</i> )	EPA 2019.0, Static
113.013	003B	Rainbow trout ( <i>O. mykiss</i> )	EPA 2019.0, Static Renewal
113.014	012A	Daphnids ( <i>Daphnia</i> spp.)	EPA 2021.0, Static
113.014	012B	Daphnids ( <i>Daphnia</i> spp.)	EPA 2021.0, Static Renewal
113.015	017A	Amphipod ( <i>Hyalalella</i> spp.)	EPA-821-R-02-012, Static
113.015	017B	Amphipod ( <i>Hyalalella</i> spp.)	EPA-821-R-02-012, Static Renewal
113.021	006A	Silverside ( <i>Menidia</i> spp.)	EPA 2006.0, Static
113.021	006B	Silverside ( <i>Menidia</i> spp.)	EPA 2006.0, Static Renewal
113.022	009A	Mysid ( <i>M. bahia</i> )	EPA 2007.0, Static
113.022	009B	Mysid ( <i>M. bahia</i> )	EPA 2007.0, Static Renewal
113.023	007A	Topsmelt ( <i>A. affinis</i> )	EPA-821-R-02-012, Static
113.023	007B	Topsmelt ( <i>A. affinis</i> )	EPA-821-R-02-012, Static Renewal
113.031	001	Fathead Minnow ( <i>P. promelas</i> )	EPA 1000.0
113.032	011	Daphnid ( <i>C. dubia</i> )	EPA 1002.0
113.033	025	Green algae ( <i>S. capricornutum</i> )	EPA 1003.0
113.042	006	Silverside ( <i>Menidia</i> spp.)	EPA 1006.0
113.043	009	Mysid ( <i>M. bahia</i> )	EPA 1007.0
113.045	007	Topsmelt ( <i>A. affinis</i> )	EPA 600/R-95/136
113.045	018	Pacific oyster ( <i>C. gigas</i> )	EPA 600/R-95/136
113.045	019A	Sand dollar ( <i>D. excentricus</i> )	EPA 600/R-95/136, Fertilization Test
113.045	019B	Sand dollar ( <i>D. excentricus</i> )	EPA 600/R-95/136, Development Test
113.045	021A	Purple sea urchin ( <i>S. purpuratus</i> )	EPA 600/R-95/136, Fertilization Test
113.045	021B	Purple sea urchin ( <i>S. purpuratus</i> )	EPA 600/R-95/136, Development Test
113.045	022	Red abalone ( <i>H. rufescens</i> )	EPA 600/R-95/136
113.045	023	Mussels ( <i>Mytilus</i> spp.)	EPA 600/R-95/136
113.045	024	Giant Kelp ( <i>M. pyrifera</i> )	EPA 600/R-95/136
113.050	013	Amphipod ( <i>H. azteca</i> )	EPA 600/R-99/064, EPA 100.1

As of 10/25/2021, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

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113.053	013	Amphipod (H. azteca)	EPA 600/R-99/064, EPA 100.4
113.060	014	Amphipod (E. estuarius)	EPA 600/R-94/025, EPA 100.4

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# Quality Assurance Manual for Environmental Analytical Services



## Calscience

Eurofins Calscience  
2841 Dow Avenue, Suite 100  
Tustin, CA 92780  
Telephone: 714-895-5494  
Facsimile: 714-894-7501

Internet: <https://www.eurofinsus.com/environment-testing/locations/eurofins-calscience/>

The NELAC Institute (TNI)  
Management and Technical Requirements for Laboratories Performing Environmental Analysis  
TNI Standard (EL-V1-2016-Rev 2.1) Effective December 6, 2016

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- 2) Normative References
- 3) Definitions
- 4) Quality Management System
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  - 4.2) Management
  - 4.3) Document Control
  - 4.4) Review of Requests, Tenders and Contracts
  - 4.5) Subcontracting of Environmental Tests
  - 4.6) Purchasing Services and Supplies
  - 4.7) Service to the Client
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  - 4.9) Control of Nonconforming Environmental Testing Work
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## 1) Introduction

- A. This Quality Assurance Manual is based upon the overall business and management philosophies, mission, and goals of Eurofins Calscience, ("Calscience", "the laboratory"). This manual is written to present the policies employed by the laboratory and the support departments that serve the laboratory and to comply with the requirements of the National Environmental Laboratory Accreditation Program (NELAP). These policies define the "what" we do with emphasis on management's responsibilities and commitment to quality. Governing SOPs are in place within the organization, to ensure the proper execution of this policy document and are referenced throughout the document.
- B. This manual is required reading for laboratory personnel. The appendices are available resources to all personnel but are not required reading for all employees. The most recent and up-to-date Quality Assurance Manual and all referenced documents are available to all laboratory personnel who work in or support the laboratory.

## 2) Normative References

- A. Environmental Laboratory Sector, Volume 1: Management and Technical Requirements for Laboratories Performing Environmental Analysis, Modules 1, 2 and 4, The NELAC Institute, 2016-Rev. 2.1 ("TNI 2016 V1")
- B. Environmental Laboratory Sector, Volume 1: Management and technical Requirements for Laboratories Performing Environmental Analysis, Modules 1, 2, and 4, The NELAC Institute, 2009.
- C. ISO/IEC 17025:2017.

## 3) Definitions

- A. Definitions generally applicable to the laboratory are contained in [Appendix 1](#).
- B. Some specific definitions may appear in SOPs where they are used.

## 4) Quality Management System

### 4.1) Organization

- A. Eurofins Calscience, LLC is a duly licensed business with its main offices at 2841 Dow Avenue, Suite 100, Tustin, CA 92780.
- B. It is the intention of Calscience to conform to all requirements of its customers, the National Environmental Laboratory Accreditation Program (NELAP) and the current TNI Standard, the State of California SWRCB ELAP; and other State and Client Programs as accredited, certified, licensed or requested.
- C. The laboratory performs its analytical and support work at its facility in Tustin, California. In addition, the laboratory maintains a Service Center in Concord, CA. All of these facilities and services operate under the management system described in this manual. The service center contact information is as follows: Phone: 925-689-9022, Fax: 925-689-9023 5063, Commercial Circle, Suite H, Concord, CA 94520-8577
- D. Calscience is a stand-alone business entity that operates under Eurofins Environment Testing America Holdings, Inc., which is a wholly owned subsidiary of Eurofins Scientific SE, a publicly traded company. Eurofins is an organization of testing laboratories and does not engage in other types of environmental activities in the USA. There are no potential conflicts of interest due to this structure.
- E. The organization, structure and work assignments ensure the following:
  - 1. The laboratory's managerial and technical personnel have the authority and resources needed to carry out their duties.
  - 2. Personnel will not be subjected to undue internal, external, commercial, financial or other pressure that could adversely affect the quality of their work. "Undue pressure" is addressed in the annual Ethics and Data Integrity Training given to all employees of the laboratory. Instructions for managing undue pressure are included in that training. See also the [Data Integrity SOP](#), current revision. Employees may report to the following, as they feel comfortable:
    - a. Their Chain of Command

- b. Laboratory QA Staff
  - c. The corporate Quality Director
  - d. The corporate ethics hotline through Lighthouse Services (posters are placed throughout the lab)
3. The laboratory protects confidential information and proprietary rights of its customers at all times through rules on data distribution, management of confidentiality during site visits and data security.
  4. Management and staff are expected to conduct themselves in an ethical manner at all times. Laboratory employees do not engage in activities that would compromise their ability to generate legally defensible, high quality data. This is also addressed in the Ethics and Data Integrity training given in the laboratory.
  5. The laboratory is overseen by the Business Unit Manager (BUMa)/President. The Lab Director reports directly to the BUMa. Technical operations, Support services, Customer Services report to the Lab Director. Quality Assurance and Business Development report to the BUMa. Additionally, QA has a "dotted line" relationship with the Quality Assurance Director of Eurofins Environment Testing America. Full organizational charts detailing the management structure of Eurofins Calscience, Inc. can be found in [Appendix 3](#). The QA Department keeps the most up to date organizational chart.
  6. This organizational chart shows the responsibility, authority and interrelationships of all personnel who manage, perform, or verify work. Through this organization, management provides adequate supervision of all employees and provides technical management with overall responsibility for the data produced in the laboratory.
  7. The laboratory has a designated Quality Assurance (QA) Manager who, along with assigned staff, has responsibility and authority for ensuring that the management system related to quality is implemented and followed at all times. The QA Manager has direct access to the highest level of management in the local company. In addition, the QA Manager has support from the Eurofins Environment Testing America Corporate Quality Directors.
  8. The laboratory appoints deputies for key personnel. These are included in a memo detailing [Key Position Alternates](#) that is updated regularly by the Laboratory Director and posted, among other places, outside the quality offices. Deputies are assigned for the following:
    - a. Business Unit Manager
    - b. Laboratory Director
    - c. Quality Assurance Manager and other quality personnel
    - d. Operations Manager
    - e. Health and Safety Manager
    - f. IT Manager
    - g. All Project Management Personnel
    - h. All Technical Group Leaders
  9. The laboratory ensures that personnel are aware of the importance of their activities and how they contribute to the achievement of the objectives of the management system. This is mostly accomplished through initial and ongoing training, though additional communications may be used from time to time.
- F. Top management ensures that appropriate communication processes are established with the laboratory and communication takes place regarding the effectiveness of the management system.
1. The laboratory uses a number of formal and informal mechanisms to provide this type of communication.
  2. Meetings are held on a **regular** basis with Lab Director, operations management, quality assurance and project management personnel. These meetings are used to provide updates on management system issues, projects, technical issues, as well as training on a wide range of topics, including the management system. Group leaders are charged to carry information from these meetings to personnel in their groups.
  3. Training sessions are held as necessary to meet requirements for annual ethics, data integrity and computer security awareness as well as other important topics.
  4. Laboratory management relays information updates on laboratory status, goals, and issues important to personnel, including the management system, **via in-person and virtual intergroup meetings and email communications**.
- G. The Quality Assurance Manager and quality staff are empowered and responsible for the following:
1. Serve as the focal point for QA/QC and be responsible for the oversight and/or review of quality control data;

2. Have functions independent from laboratory operations for which they have quality assurance oversight;
  3. Be able to evaluate data objectively and perform assessments without outside (e.g., managerial) influence;
  4. Have documented training and/or experience in QA/QC procedures and the laboratory's quality system;
  5. Have a general knowledge of the analytical methods for which data review is performed;
  6. Maintain the currency of the quality assurance manual and review it at least annually
  7. Arrange for or conduct internal audits as per [Section 4.14](#) annually;
  8. Notify laboratory management of deficiencies in the quality system;
  9. Monitor corrective actions;
  10. Implement, maintain and improve the management system using audit results, control charts, proficiency testing results, data analysis, corrective and preventive actions, customer feedback, and management reviews to observe for possible trends; and
  11. Stop work if the system is deemed to be out of control.
- H. The laboratory's **Technical Manager (Lab Director)**, Operations Manager, technical Group Leaders and their designees:
1. Are members of the staff who exercise actual day-to-day supervision of laboratory operations for the appropriate fields of accreditation and reporting of results;
  2. Are experienced in the fields of accreditation for which the laboratory is accredited;
  3. Have duties that include monitoring standards of performance in quality control and quality assurance, and monitoring the validity of the analyses performed and data generated in the laboratory to assure reliable data.
  4. If absent for a period of time exceeding fifteen (15) consecutive calendar days, must designate another full-time staff member meeting the qualifications of the technical manager(s) to temporarily perform this function. If this absence exceeds thirty-five (35) consecutive calendar days, the primary accreditation body must be notified in writing;
  5. Meet the qualification requirements of the standard.
    - a. Have a bachelor's degree in the chemical, environmental, biological sciences, physical sciences, or engineering, with at least 24 college semester hours of chemistry.
    - b. Have at least two years of experience in the environmental analysis of representative inorganic and organic analytes for which the laboratory is accredited.
    - c. Other options are available and are fully described in the standard (TNI 2009/2016 V1M2, Section 5.2.6.1)
- I. All personnel in these positions are full-time personnel who do not work in other accredited laboratories.

#### 4.2) Management

- A. Beginning with this quality assurance manual, the laboratory has established a management system appropriate to its activities. The system is described in this quality assurance manual, which includes the laboratory policies and includes or references descriptions of its systems and programs and its procedures and instructions.
1. The management system is designed to assure the quality of the laboratory's tests are known and documented. Further, the system describes how these documents are made available to laboratory personnel and requires that personnel understand and implement the requirements contained in them. All copies of management system documentation are provided in English to accreditation bodies.
  2. The system is designed to support the Calscience Mission Statement: Calscience strives to be the leading full-service environmental testing laboratory in the Western United States by having unsurpassed capacity, exceptional customer service, continual quality improvement and consistently superior TAT.
- B. Management's Quality Policy Statement
1. Calscience is committed to providing its customers with environmental data that is reliable, defensible, and of known and documented quality. We continually strive to meet our customer's requirements and exceed their expectations.
  2. This Quality Assurance Manual and related documentation describes the policies and procedures used to meet that commitment. The Manual is designed to meet the Standards used in the NELAP, the State of California **SWRCB ELAP**, and other government and customer requirements. Laboratory management is committed to the quality improvement processes described in these



standards and to providing the resources to ensure laboratory personnel can honor that commitment.

3. Laboratory personnel whose responsibilities include any aspect of testing activities are required to familiarize themselves with all of the quality documentation associated with their job function and to implement the policies and procedures described in that documentation into all of their work in the laboratory. Laboratory personnel acknowledge this responsibility on annual review of the Employee Handbook by acknowledging they have read, understood and agree to act accordingly.
  4. Management reviews this Quality Policy and the objectives listed below during the annual Management Review. The signatures of management personnel on this Quality Assurance Manual indicate their concurrence and support of this Policy.
- C. Quality Objectives
1. Laboratory Management Personnel
    - a. Commit to a quality improvement approach to management that focuses on problem solving through system improvement.
    - b. Provide the resources necessary to allow laboratory personnel to successfully meet customer requirements while maintaining all quality standards.
    - c. Provide a work environment that ensures accessibility to all levels of management and encourages personnel to raise questions, voice concerns, and participate in system development.
  2. Laboratory Analytical Personnel
    - a. Perform all analyses and related tasks according to documented procedures.
    - b. Record all required and relevant observations completely, accurately, honestly and in "real time".
    - c. Respond immediately to indications of questionable data, equipment malfunctions, and quality control failures by taking appropriate actions as governed by laboratory procedures and communicating the issues to supervisory personnel.
    - d. Work diligently to meet client needs, including turn-around times, while always keeping quality requirements as the most important objective.
- D. Top management is committed to development and implementation of the management system and to continually improving its effectiveness through consistent internal audits, management reviews, corrective and preventive action and on-going training of personnel.
- E. Top management communicates to the organization the importance of meeting customer as well as statutory and regulatory requirements through the quality system as well as on-going meetings and other communications. See 4.1.F.
- F. This quality assurance manual includes or references all procedures and outlines the documentation structure of the management system. The Standards under which the laboratory operates include specific requirements for the quality assurance manual and for technical SOPs, as well as for laboratory operations. The documentation system of the laboratory is designed to capture the requirements contained in these normative documents and provide them to laboratory personnel as applicable.
1. The quality assurance manual is the over-arching, primary document in the system.
  2. Standard Operating Procedures are referenced by the quality assurance manual and describe how to perform required procedures.
  3. Data is captured using forms that are referenced by the SOPs.
- G. The roles and responsibilities of technical management and the Quality Assurance Manager, including compliance with the Standard, are defined in this manual (See Section 4.1), in job descriptions, and where specific responsibilities are required for particular processes, in the SOPs governing those processes.
- H. Top management ensures the integrity of the management system when changes are planned and implemented.
1. Changes to computer systems are monitored and documented in OTRS. OTRS (Open-Source Ticket Request System) is an internal website that allows users and agents to document and resolve IT related problems. Changes to the Laboratory Information Management System (LIMS) are relayed to pertinent users via email posts.
  2. Method changes require demonstration of capability and governing document updates prior to implementation.
  3. Preventive action processes are used to develop and implement changes to the management system.
- I. Additional Requirements

1. Data Integrity-The laboratory maintains a Data Integrity Program as a part of its Ethics requirements. The program is described in Section 4.16 of this quality assurance manual and in the SOP referenced in that section.
  - a. Procedures are in place for confidential reporting of data integrity issues.
  - b. Management shall be informed of the need for detailed investigation.
2. The Quality Assurance Manager is responsible for keeping the Quality Assurance Manual current.
3. This Quality Assurance Manual contains the following required elements:
  - a. Title - "Quality Assurance Manual for Analytical Services, Eurofins Calscience";
  - b. Official name and address - Eurofins Calscience, 2841 Dow Ave., Suite 100, Tustin, CA 92780.
  - c. Major organizational units included in Organizational Chart found in Appendix 3 with effective date of the **current** version.
  - d. Approved Signatories-The Business Unit Manager, Laboratory Director and all project managers are authorized to sign reports. Certain Quality Assurance personnel are authorized to sign reports that are for internal use. Additionally, some project manager assistants are authorized to sign preliminary reports and final reports under certain conditions. The Quality Assurance group keeps a current list of approved signatories.
  - e. The laboratory uses electronic signatures on reports for customers. The IT group collects electronic copies of authorized user's actual signature. They are stored securely and attached to the authorized user's login, where they are made available for use on reports.
  - f. The objectives of the laboratory and official quality policy statement are found in section 4.2.B and C.
4. This Quality Assurance Manual contains or references the following:
  - a. All maintenance, calibration and verification procedures found in associated technical and operational SOPs;
  - b. Major equipment inventory maintained by the Facilities Manager, reference measurement standards obtained from a list of certified vendors maintained by QA, and facilities and services obtained from a list maintained by Operations are used by the laboratory in conducting tests;
  - c. Verification practices include proficiency testing and internal QC schemes found in [Internal Quality Control Checks SOP](#), current version, and use of certified reference materials from the certified vendor list maintained by QA;
  - d. Procedures for reporting analytical results found in various operational SOPs including current versions of [Detection Limits](#), T009 - Electronic Transmission of Test Results, T015 - Correction/Prevention of Errors in Test Records, T017 - Electronic Data Capture and Reporting, T026 - Data Qualifiers, T040 - Electronic Data Deliverables, and **information related to LIMS can also be found on the corporate intranet.**
  - e. Organization and management structure of the laboratory, its place in parent organization and organizational charts included in Section 4.1 and Appendix 3 of this Quality Manual;
  - f. Procedures to ensure that records required in the most current TNI 2009/2016 Standard are retained, procedures for control and maintenance of documentation through systems that ensure all SOPs, manuals, or documents indicate the time period that the procedure or document was enforced found in the [Document Control SOP](#), current version;
  - g. Job descriptions of key staff and reference to job descriptions of other staff contained in [Appendix 2 of this Quality Manual](#);
  - h. Procedures for achieving traceability of measurements found in various SOPs including current revisions of [Reagents and Standards](#), [Support Equipment](#), T041 - Electronic Data, T063 - LIMS, T064 - Sample Container Prep, [Sample Receipt and Login Procedures](#), etc.;
  - i. Laboratory's lists of approved methods included on the applicable scopes of accreditation, which are available electronically in the quality department files;
  - j. Procedures for ensuring that the laboratory reviews all new work to ensure it has the appropriate resources before beginning that work found in [Project Management](#), Section - Project Development;
  - k. Procedures for handling samples contained in [Sample Receipt and Login Procedures](#), current revision;
  - l. Procedures for feedback and corrective action when testing discrepancies are found or deviations from documented policies and procedures occur covered in SOP-T022 - Corrective/Preventive Actions as well as Annual Ethics and Data Integrity Training and using eJIRA PowerPoint presentations;

- m. Policies for permitting departures from documented policies and procedures or from standard specifications defined in analytical SOPs when outliers do not appear to be systemic and are handled using data qualifiers or nonconformance memos (narratives) or handled through client-specific Quality Assurance Plans that are agreed upon and documented prior to any work being performed, which are stored electronically by the QA Department;
- n. Procedures for dealing with complaints included in SOP-T018 - Handling of Inquiries and Complaints, current version and section 4.8 of this QAM;
- o. Procedures for protecting confidentiality (including national security concerns), and proprietary information presented in Annual Ethics and Data Integrity Training and QAM section 4.7 - Service to the Client;
- p. Procedures for audits and data review found in QAM Section 4.14, [SOP-T020 - Internal Quality Control Checks](#), [Internal Audits](#), and [Project Management](#) include;
  - i. internal data reviews consisting of a 3-tiered system of verification that includes 100% review by the analyst, 100% verification review by a technically qualified supervisor or data review specialist, and a final administrative review performed by Project Management. The analyst and verification review fulfills the following objectives:
    1. determines whether the results meet the lab specific quality parameters;
    2. verifies consistency with project specific criteria, such as those found in a Quality Assurance Project Plan;
    3. ensures the appropriate sample preparatory and analytical SOPs and methods were followed and that chain of custody and holding time requirements were met;
    4. confirms all calibration and quality control requirements were met;
    5. checks for complete qualification of anomalous results and corrections.
  - q. [Procedures for ensuring that staff is adequately experienced in the processes they perform and receive needed training are included in the Employee Training SOP to include new employee procedures, IDOC/CDOC, continuous training procedures. Internal audits and proficiency testing also support this objective. Training is also addressed](#) in section 5.2.B of this Quality Manual;
  - r. A policy addressing the use of unique electronic signatures found above in section 4.2.I.3. of this Quality Manual.
- 5. SOPs are maintained that accurately reflect current laboratory activities, such as assessing data integrity, corrective actions, customer complaints, and all methods.
  - a. These documents may be equipment manuals or internally written documents with enough detail that someone qualified [could](#) reproduce the procedures used to generate the test results.
  - b. SOPs are readily available to pertinent staff.
  - c. Each SOP has the effective date, the revision number and the signature of approver (or equivalent).
  - d. Documents that contain sufficient information to be used as written do not need to be revised if selected options are included.
  - e. The laboratory has an SOP for each accredited analyte or method.
  - f. An SOP may be a copy of a published or referenced method. If modifications are made where a method provides insufficient detail, the changes are clearly described.
  - g. Each SOP includes or references the 23 elements listed in TNI section 4.2.8.5.f) as indicated in [Analytical](#) and [Operations](#) SOP templates and [SOP Preparation, Review, and Revision](#).

### 4.3) Document Control

#### A. General

1. The laboratory has established and maintains procedures to control all documents that form part of its management system (internally generated or from external sources), such as regulations, standards, other normative documents, test and/or calibration methods, as well as drawings, software, specifications, instructions and manuals. The procedures are detailed in Calscience SOPs, [Document Control](#) and [SOP Preparation, Review, and Revision](#). The former document details the overall document control program while the latter provides specific instructions and templates for writing Standard Operating Procedures and related documents.

#### B. Document Approval and Issue

1. All documents issued to personnel in the laboratory as part of the management system are reviewed and approved according to the procedure in [SOP Preparation, Review, and Revision](#).

2. All documents issued to personnel in the laboratory as part of the management system are approved by appropriate management prior to use.
    - a. The Quality Assurance Manual, which must be approved by the Business Unit Manager, Quality Assurance Manager, and **Laboratory Director**.
    - b. Documents applicable to management, quality, and resources of the laboratory must be approved by the Group Leader (as applicable) and the QA Manager. In some cases, only the QA Manager will be required to approve the document.
    - c. Documents applicable to a specific laboratory production or support group must be approved by the Group Leader (as applicable) and the assigned QA **Specialist** (or QA Manager). Exceptions may be made for some analyst aids (such as posted Linear Range Summaries), which must only be approved by the group leader.
    - d. Instrument manuals are tacitly approved for use through the purchase of the instrument and are kept in the laboratory near the instrument or in a designated area in the QA Offices.
  3. Master lists are used to identify the current revision status and distribution of documents in the management system. See the [Document Control SOP](#) for further information.
  4. The procedure(s) adopted ensure the following:
    - a. Authorized editions of appropriate documents are available in **either the electronic document control platform, D4, or in the Q: Drive, accessible to all laboratory staff with logon credentials. The Q: Drive is available at all work station locations** where operations essential to the effective functioning of the laboratory are performed.
    - b. Documents are periodically reviewed and, where necessary, revised to ensure continuing suitability and compliance with applicable requirements.
      - i. This Quality Assurance Manual will be reviewed annually.
      - ii. Method SOPs are reviewed every two years.
      - iii. Other documents written internally are reviewed periodically.
      - iv. External documents that may change are verified every two years.
      - v. External documents that do not change, such as manufacturers' instrument manuals, are not reviewed.
    - c. Invalid or obsolete documents are promptly **retired from** use to prevent unintended use.
    - d. **Any remaining paper documents from the previous document control system** have been removed from use and shredded with the exception the master copy, which is marked "Obsolete" and placed in archive. Electronic documents are removed from the active directory and placed into document archive files.
    - e. When a new document is published, appropriate personnel are notified through email. Group Leaders are responsible for ensuring their employees receive the notification.
  5. Management system documents generated by the laboratory are uniquely identified and include any document providing instructions to laboratory personnel. The identification system is detailed in the [Document Control SOP](#).
- C. Document Changes
1. Changes to documents are reviewed and approved by the same laboratory positions as approved the original document, or their designee. See Section 4.3.b above. The requirements and specifics, including specific responsibilities, are included in the [Document Control SOP](#).
  2. Altered or new text, when practical, is identified by the use highlighted yellow font in the finished version of the document. Use of a highlighted font is considered not practical when a significant rewrite of a document is performed.
  3. Amendment of documents by hand is not allowed.

#### 4.4) Review of Requests, Tenders and Contracts

- A. The laboratory has established and maintains procedures for the review of requests, tenders and contracts. The policies and procedures adopted for these reviews leading to a contract are intended to ensure the following:
  1. The requirements, including the methods to be used, are adequately defined, documented and understood.
  2. The laboratory has the capability and resources to meet the requirements.
  3. The appropriate test and/or calibration method is selected and is capable of meeting the customers' requirements. Any deviations from the published test method must be communicated to the customer. See Section 5.4.A.5.



4. Any differences between the request or tender and the contract must be resolved before any work commences. Each contract must be acceptable both to the laboratory and to the customer.
  5. The review of requests, tenders and contracts may be simplified for internal customers.
  6. A contract may be any written or oral agreement to provide a customer with testing services.
- B. Records of reviews, including any significant changes, are maintained. Records are also maintained of pertinent discussions with a customer relating to the customer's requirements or the results of the work during the period of execution of the contract. A more detailed explanation of the processes used to meet these requirements are contained in the Calscience SOP- Business Development, current version.
1. The method of recording the review depends on the type of review required.
  2. For large sample contracts, the client usually contacts the laboratory prior to bringing samples to the laboratory. Any telephone conversations will be confirmed by e-mail to the client stating the expected samples, the methods that will be used, etc. These electronic communications are maintained as a record of the review. In addition, checklists are developed for review of RFPs and associated project plans or sampling and analysis plans (SAPs). For ongoing projects, this review only needs to be performed at the outset and if any changes are made.
  3. For walk-in clients, a chain of custody is required. If clients do not bring one in with their samples, the laboratory provides one and requests that it be filled out. The laboratory reviews the COC as part of the login process and ensures the specific methods to be used are listed. A laboratory representative signs the COC and provides a copy to the client. This becomes the record of the review.
  4. If samples are shipped in without prior notice, the same procedures as for walk-in clients are followed, but the copy of the COC is provided to the client by mail or electronic mail.
- C. The review must also cover any work that is subcontracted by the laboratory. Subcontracting is detailed in the Section 4.5 of this Quality Assurance Manual.
- D. The customer must be informed of any deviation from the contract. Usually, this communication is made by electronic mail. If made by other means, e.g., telephone call, e-mail confirmation will be performed to provide a written record.
- E. If a contract needs to be amended after work has commenced, the same contract review process must be repeated and any amendments are communicated to all affected personnel.

#### 4.5) Subcontracting of Environmental Tests

- A. When the laboratory subcontracts work, whether because of unforeseen reasons (e.g. workload, need for further expertise or temporary incapacity) or on a continuing basis (e.g. through permanent subcontracting, agency or franchising arrangements), this work shall be placed with a competent subcontractor. A competent subcontractor is one that holds an appropriate accreditation for the work in question.
- B. Proper accreditation is confirmed by initial and then by at least annual review of the subcontract laboratory's accreditation certificate(s). Additionally, Calscience sends instructions with each subcontracted job requiring the subcontract laboratory to notify Calscience of the following:
  1. Any changes or loss of accreditation or certification for the applicable analyses,
  2. Any analyses for which the laboratory has had unacceptable PT results that are not able to be addressed through corrective action, and
  3. Need to further subcontract the sample analyses to a different subcontracting laboratory, including any "in-network" laboratory operating under a different accreditation or certification.
- C. The laboratory advises the customer of the arrangement in writing and, when appropriate, gains the approval of the customer, preferably in writing. Personnel from Calscience's Project Management group are tasked with management of subcontracting.
  1. In the case of large contract work, notification is done as part of the contracting procedure described in the previous section. (Section 4.4)
  2. In the case of walk-in or other individual lot type of work, the need to subcontract will be included on the COC that is copied and given to the customer or in an e-mail to the customer. If by e-mail, it is the project manager's responsibility to maintain the e-mail as a record of notification.
  3. In some cases, customers may give a standing order to subcontract their samples. Records of such an order must be maintained by the project manager.
- D. The laboratory is responsible to the customer for the subcontractor's work, except in the case where the customer or a regulatory authority specifies which subcontractor is to be used.

- E. The Project Management group maintains a list of all subcontractors that it uses for tests and a record of having reviewed the appropriate accreditation certificate(s) for the tests that are subcontracted.
- F. The laboratory performing the subcontracted work is indicated in the final report. The laboratory will make a copy of the subcontractor's report available to the client when requested.
- G. Procedure:
  - 1. The project manager generates a separate chain of custody to accompany the subcontracted samples to the designated laboratory. In some instances, the client will deliver samples directly to the subcontract lab due logistics such as short holding times.
  - 2. The PM gathers the sample containers to be shipped and places them in a designated area in the sample receiving walk-in cooler. If samples are required to be split, PM personnel ensure that the proper splits are prepared.
  - 3. PM or sample management personnel attach a sheet to the CoC noting the requirements listed in 4.5.B above for a new subcontract lab.
  - 4. Sample management personnel load the cooler and ship the samples to the subcontract laboratory.

#### 4.6) Purchasing Services and Supplies

- A. The laboratory has a policy and procedure(s) for the selection and purchasing of services and supplies it uses that affect the quality of the tests. The policy of the laboratory is to purchase items that will be of sufficient quality to complete testing in compliance and to not adversely affect the processes. Procedures exist for the purchase, reception and storage of reagents and laboratory consumable materials relevant for the tests as described below.
- B. The laboratory ensures that purchased supplies and reagents and consumable materials that affect the quality of analyses are not used until they have been inspected or otherwise verified as complying with standard specifications or requirements defined in the methods for the analyses concerned. These services and supplies used are selected to comply with specified requirements. Records of actions taken to check compliance are maintained.
  - 1. In general; supplies, reagents and consumable materials are purchased so that no additional testing is required prior to use. In this case, the initials of the person receiving the material state that the correct material was received, based on the ordering information, and it is, therefore, compliant.
  - 2. In cases where there is no history with a vendor or where a particular supply has been shown to require testing, the testing is performed and records of the results tied to the lot of material tested, are maintained by the Group Leader where the supplies are used.
  - 3. Reagents and standards used in analysis have some more specific requirements for inspection and testing. These requirements are included in the [Reagents and Standards SOP](#), current version.
  - 4. Equipment that may affect quality is calibrated or otherwise demonstrated to be suitable prior to use. Requirements and records are maintained as described in the related technical documents; such as method SOPs, support equipment SOPs, etc.
- C. Purchasing documents for items affecting the quality of laboratory output are required to contain data describing the services and supplies ordered. Review and approval for technical content is performed prior to release. The manner in which this is performed depends on the type of supply or service.
  - 1. Many routine consumable supplies are included in a stockroom supply contract. The specific items to be stocked are approved by the Group Leader who prepares the list for their area on an annual basis.
  - 2. Items such as solvents and acids are ordered in bulk after consultation with Group Leaders. Specific grades are specified in the [Reagents and Standards SOP](#).
  - 3. Large equipment purchases are approved by laboratory (technical) management or corporate technical areas.
  - 4. Other supplies or services are approved on an individual basis by Group Leaders or designees as part of their sign-off in the routine ordering process.
- D. The laboratory evaluates suppliers of critical consumables, supplies and services that affect the quality of testing and calibration, and maintains records of these evaluations and list those approved.
  - 1. Large supply houses, such as Fisher Scientific and VWR, supplying consumable materials that do not require traceability are considered to be approved for use unless proven otherwise.

2. Vendors providing calibration services and reference materials used for calibration must be able to provide certificates of accreditation for the specific services or materials provided through an internationally-recognized ISO Accreditation Body and must be able to provide endorsed certificates of calibration under the appropriate ISO or national standard in order to be considered approved. Where accredited reference materials are not available, other requirements apply. See the Calscience SOPs [Reagents and Standards](#), [Support Equipment](#), and [Thermometer Verification and Temperature Monitoring](#), current versions, for further information.
3. Consultants are approved based on evaluation of their work history and, if deemed necessary by the Laboratory Director or designee, by reference.
4. The corporate purchasing system does not include technical vendor approval.  
Calscience maintains a list of approved vendors in the Laboratory Operations office.

#### 4.7) Service to the Client

- A. The laboratory is willing to cooperate with customers or their representatives in clarifying the customer's request and in monitoring the laboratory's performance in relation to the work performed, provided that the laboratory can ensure confidentiality to other customers.
  1. The laboratory will provide the customer or the customer's representative reasonable access to relevant areas of the laboratory for the witnessing of tests performed for the customer, provided this can be done while ensuring confidentiality to other customers.
  2. Customers wishing to perform on-site audits of the laboratory must commit to maintaining confidentiality. The laboratory maintains an SOP and confidentiality agreement for external audits, Calscience SOP Customer and Regulatory Audits, T-027, current version.  
**Note:** Assessors representing State and Third Party Accreditation Bodies, or similar agencies bound by their own confidentiality policies, are not included under this clause.
  3. If requested, the laboratory will help with preparation, packaging, and dispatch of samples needed by the customer for verification purposes.
  4. The laboratory will take other such reasonable actions requested by the customer.
- B. The laboratory seeks feedback, both positive and negative, from its customers. The feedback is used and analyzed to improve the management system, testing activities, and customer service.
  1. Feedback is solicited with each electronic report sent to the customer.
  2. Feedback collected is included for review in the annual [Management Review](#).

#### 4.8) Complaints

- A. The laboratory has a policy and procedure for the resolution of complaints received from customers or other parties. Records are maintained of all complaints and of the investigations and corrective actions taken by the laboratory.
- B. All complaints must be recorded and investigated at least sufficiently enough to determine whether they are with or without merit.
  1. Complaints are recorded in the eJIRA system by the person who receives the complaint. The "issue" screen is filled out down through the "Description" section of the screen.
  2. That individual either investigates the complaint or assigns the investigation to another individual using the eJIRA system.
- C. Complaints are initially evaluated as **justified**, e.g., complaints about missed turn-around times or results that are found to have been reported erroneously, or as **unjustified**, e.g., complaints about results that, while not desired, are in fact correct or about pricing that was previously accepted.
  1. Record the investigation in the "Investigation" field
  2. Conclude that that investigation is **justified or not**.
- D. Complaints that are found to be **justified** are placed into the corrective action system for disposition. In eJIRA, an ICAR is created, the issues are further investigated, root cause is determined, actions are taken and all of these steps are recorded as described in the corrective action procedures.

#### 4.9) Control of Nonconforming Environmental Testing Work

- A. The laboratory has a policy and procedures that must be implemented when any aspect of its testing work, or the results of this work, do not conform to its own procedures or the agreed requirements of the customer. The policy of the laboratory is that non-conforming work must be

addressed as defined below or in pertinent SOPs so that the needs of the customer are met. Examples of places non-conforming work could occur include customer complaints, quality control, instrument calibration, checking of consumable materials, staff observations or supervision, test report checking, management reviews and internal or external audits.

1. The responsibilities and authorities for the management of nonconforming work are as follows.
    - a. All laboratory personnel are responsible for taking appropriate action when non-conforming work is identified, including notification of the Laboratory Director, if needed. In many cases, the appropriate action is defined in the analytical SOPs.
    - b. All personnel may stop work when non-conforming work is identified, but the Group Leader, Operations Manager, Laboratory Director, QA representative or QA manager must be notified of a stoppage as soon as is feasible.
    - c. The Laboratory Director, QA Manager, Operations Manager or their designees, are authorized to recall work or withhold analytical reports, if necessary.
  2. An evaluation of the significance of the nonconforming work is made. Exceptions are first evaluated by the analyst or other personnel performing the work and their group leader.
  3. Correction is taken immediately, together with any decision about the acceptability of the nonconforming work. "Corrections" are things done to continue working, report the data, and fix the immediate problem. Note that this is different than corrective action, which is described in Section 4.11.
  4. Where necessary, the customer is notified and work is recalled. The responsibility for authorizing the resumption of work is given to the Laboratory Director, or designee, in consultation with the QA manager and following the review of root cause(s) and corrective action.
- B. Where the evaluation indicates that the nonconforming work could recur or that there is doubt about the compliance of the laboratory's operations with its own policies and procedures, the corrective action procedures given in 4.11 shall be promptly followed.

#### 4.10) Improvement

- A. The laboratory strives to continually improve the effectiveness of its management system through the use of the quality policy, quality objectives, audit results, analysis of data, corrective and preventive actions and management review.
- B. Personnel are encouraged to bring to the attention of management items that may improve the functioning of the laboratory and its management system.
- C. Improvements must be vetted and follow the change control procedures used in the laboratory to ensure continuing compliance with policies, Standards, regulations, methods, etc.

#### 4.11) Corrective Action

- A. General
  1. The laboratory policy is to take appropriate corrective action whenever departures from the laboratory's policies and procedures are identified in the management system or the laboratory's technical operations. This is done using the procedures described below. For quality control outliers that do not appear to be systematic, appropriate actions are defined in the analytical SOPs and thus formal corrective action process is not required.
  2. A non-conformance with the management system or with the technical operations of the laboratory may be identified through a variety of activities, such as control of nonconforming work, internal or external audits, proficiency test failures, management reviews, and feedback from customers and from staff observations.
  3. All personnel in the laboratory are responsible to initiate corrective action when indicated by SOPs, observance of departures from documented systems, or simply good scientific judgment or common sense. When bench analysts believe corrective action is needed, they must notify their group leader as soon as possible so the group leader can review and assign responsibilities.
  4. The eJira system is used to record all steps of the corrective action process.
  5. The issue must be defined with adequate detail to allow further investigation. Typically, the important elements to include are: what event(s) occurred, in what process did the event(s) occur, who witnessed the event(s) or performed the process, when (date/time) did the event(s) occur, where did the event(s) occur, what other processes were or may be impacted. Record this information in the "Description" section of the eJira system.



6. Once the problem or failure is defined, responsibility for investigation is assigned to one or more laboratory personnel by the Group Leader, Operations Director, Laboratory Director, or Quality Assurance personnel. The eJira system sends an email to those assigned to notify them of the responsibility.
  7. If sample data are affected, provide as much information as possible about which data and how they were affected in the "Impact on Sample Data" section of the eJira system.
- B. Cause Analysis
1. For failures that appear to be systematic, the procedure for corrective action starts with an investigation to determine the root cause(s) of the problem. Cause analysis is key to the corrective action procedure.
  2. Root cause analysis is the most challenging aspect of the corrective action process. When correctly applied, root cause analysis leads to more effective solutions, continuous improvement, and a reduced likelihood of further deficiencies. In some cases, the root cause is singular and easily discerned. In other cases, determination of the root cause or causes may require more effort to identify. For this reason, there is no single 'recipe' that can be followed. There is no single procedure that will be applicable to all scenarios, but there are guiding principles, the most important of which is addressing the question: "Why did this deficiency occur?"
  3. Root Cause Analysis seeks to identify the origin of a problem. It assumes that systems and events are interrelated. One event leads to another, which leads to another. By tracing back these actions, you can discover the original source of the problem.
  4. Adequate data must be collected to allow effective Root Cause Analysis. In addition to the information required in the definition of the problem, investigations must also attempt to determine the duration, frequency, and/or pervasiveness of the problem and identify any other areas where the same or similar problems could occur.
  5. Root causes are specific underlying causes that can be reasonably identified, that management has control to fix and for which effective recommendations for preventing recurrences can be generated.
  6. Potential causes could include, but are not limited to, issues related to customer requirements, sample matrix, methods and procedures, staff skills and training, consumables, equipment calibration and maintenance, environmental conditions.
  7. Record the Root Cause(s) determined in detail in eJira Section "Detailed Explanation of the Root Cause". At the same time, select the best option in the "Root Cause Category" drop down. This is used for category tracking purposes. If more than one root cause is identified, choose the category that has a greater impact on the laboratory.
- C. Selection and Implementation of Corrective Actions
1. If possible, generate several potential solutions to the root cause(s) of the problem.
  2. Rank the potential solutions according to their likelihood of eliminating the problem, preventing its recurrence, the cost vs benefit, and the risk of unintended negative impacts.
  3. Select one or more actions appropriate to the magnitude of the problem and the risk of recurrence.
  4. List the potential corrective action(s) and note those selected for implementation in the "Corrective Action Plan" section in the eJira.
  5. Assign personnel responsible for implementation in eJira. The system will email the person(s) assigned to notify them of the responsibility.
  6. Assign a completion date for implementation. Standard completion time is targeted at two weeks, but this may not be appropriate and may be changed depending on the nature of the actions and the needs of the laboratory and its customers.
- D. Monitoring of Corrective Actions
1. Routine monitoring of corrective actions is combined with internal auditing. When ICARs are closed by a member of QA, that person will enter the issue into the "QA Issue Follow Ups" Excel. Monthly, these issues will be checked to ensure activities are proceeding in a timely way and implemented corrective actions appear to be effective.
  2. Additionally, during preparation for internal audits, the eJira system is queried for corrective actions related to the area to be audited. Verification of the continued effectiveness of these corrective actions are then included in the scope of the internal audit. Records of the verification are maintained in the audit record.
- E. Additional Audits--Where the review of corrective actions shows clusters of similar root causes, or where monitoring of implementation of corrective actions shows continued or significant non-

conformances, the laboratory ensures that the appropriate areas of activity are audited in accordance with 4.14 as soon as possible.

#### 4.12) Preventive Action

- A. Needed improvements and potential sources of nonconformities, either technical or concerning the management system, must be identified. When improvement opportunities are identified or if preventive action is required, action plans are developed, implemented and monitored to reduce the likelihood of the occurrence of such nonconformities and to take advantage of the opportunities for improvement.
- B. As noted in the Standard, preventive action is a pro-active process to identify opportunities for improvement rather than a reaction to the identification of problems or complaints. Performing appropriate preventive action requires a mindset of looking at laboratory operations with an eye toward seeing what could go wrong. Often, this will be based on what types of problems have been solved in the past. Preventive actions may come as a result of the management review process or through attempts to improve the efficiency of the laboratory, including LEAN initiatives.
- C. The preventive action process is as follows
  1. Identify the needed preventive action
  2. Develop an action plan to implement the action
  3. Implement the action, with changes as necessary
  4. Monitor the results of the action to verify that the action taken is achieving the desired results and has not caused unanticipated negative impacts.
- D. Preventive actions should be recorded. Unless another mechanism is indicated, such as LEAN records, use the eJIRA system. Identification of a root cause is not part of the preventive action system. Fields in the eJIRA system relating to root cause should be listed as "NA".
- E. Management of Change (MoC) is a form of preventive action used to minimize risk and ensure smooth transitions to improved processes. MoC items should be recorded in eJIRA. MoC are required for: new equipment, new methods, changes to Key Staff, and operational changes affecting more than approximately 10% of staff. Records are required for these changes whether the change is temporary or permanent. Generally, the following items should be included in MoC Records, as appropriate:
  1. Who raised the issue?
  2. Why the change is important / Expected measurable results.
  3. Risks the changes pose and who will be affected by those risks.
  4. Resources are required to complete and sustain the change.
  5. The main person responsible for organization of the change (usually the assignee) and other parties involved (usually the watchers).
  6. Relationship of this change to other completed or planned changes in the affected area.
  7. Records of steps taken during implementation.

#### 4.13) Control of Records

- A. General
  1. The laboratory has established and maintains procedures for identification, collection, indexing, access, filing, storage, maintenance and disposal of quality and technical records. Quality records maintained include reports from internal audits and management reviews as well as records of corrective and preventive actions.
  2. All records must be legible and stored in such a way that they are readily retrievable. Calscience maintains records in both hard copy and electronic formats. Both types of records must be stored so as to prevent damage and deterioration. All records are maintained for a minimum of five years after last use.
  3. All records are held secure and in confidence.
  4. The laboratory maintains procedures to protect and back up electronic records and to prevent unauthorized amendments to these records.
- B. Technical records
  1. The laboratory is required to retain records of original observations, derived data and sufficient information to establish an audit trail, calibration records, staff records and a copy of each analytical report issued, for the time period defined above or longer, if required by the customer. The records for each test or calibration must contain sufficient information to facilitate, if possible, identification of factors affecting the uncertainty and to enable the test or

calibration to be repeated under conditions as close as possible to the original. The records must include the identity of personnel responsible for the sampling, performance of each test and/or calibration and **review** of results.

2. Observations, data and calculations must be recorded at the time they are made and must be identifiable to the specific task. For example, it is not acceptable to record a number without identifying what the number means.
3. When mistakes occur in records, each mistake shall be crossed out with a single line; not erased, made illegible or deleted; and the correct value entered alongside. All alterations to records shall be dated and signed or initialed by the person making the correction or addition, including handwritten notes added to electronic information. Additionally, corrections due to reasons other than transcription errors must specify the reason for the correction. In the case of records stored electronically, equivalent measures shall be taken to avoid loss or change of original data.

#### C. Additional Requirements

1. The laboratory's record keeping system is designed to allow the history of the sample and associated data to be readily understood through the documentation. This system produces unequivocal, accurate records that document all laboratory activities such as laboratory facilities, equipment, analytical methods, and related laboratory activities, such as sample receipt, sample preparation, or data verification, and inter-laboratory transfers of samples and/or extracts.
2. Records are made available to the accreditation body. Records concerning a customer's samples will be made available to that customer if it can be done without compromising the confidentiality of other customer's data.
3. Records that are stored only on electronic media **are** supported by the hardware and software necessary for their retrieval for the full retention time required for the record type, typically 5 years.
4. Access to archived information is documented with an access log. Electronic access is tracked through electronic storage systems. Hard copy archive access is documented with a log.
5. All information necessary for the historical reconstruction of data shall be maintained by the laboratory, including the items listed below.
  - a. All raw data, whether hard copy or electronic, for calibrations, samples and quality control measures, including analysts' worksheets and data output records (chromatograms, strip charts, and other instrument response readout records).
  - b. A written description or reference to the specific method used, which includes a description of the specific computational steps used to translate parametric observations into a reportable analytical value.
  - c. The laboratory sample ID code.
  - d. The date of analysis.
  - e. The time of analysis is required if the holding time is seventy-two (72) hours or less, or when time critical steps are included in the analysis (e.g., extractions and incubations).
  - f. Instrumentation identification and instrument operating conditions/parameters (or reference to such data).
  - g. All manual calculations.
  - h. Analyst's or operator's initials/signature or electronic identification.
  - i. Sample preparation including cleanup, separation protocols, volumes, weights, instrument printouts, meter readings, calculations, and reagents.
  - j. Test results.
  - k. Standard and reagent origin, receipt, preparation and use.
  - l. Calibration criteria, frequency and acceptance criteria.
  - m. Data and statistical calculations, review, confirmation, interpretation, assessment and reporting conventions.
  - n. Quality control protocols and assessment.
  - o. Electronic data security, software documentation and verification, software and hardware audits, backups, and records of any changes to automated data entries.
  - p. Method performance criteria, quality control requirements.
  - q. Proficiency test results.
  - r. Records of Demonstration of capability.
  - s. Records of identification numbers for all individuals responsible for signing laboratory records.

6. All generated data, except those that are generated by automated data collection systems, are recorded legibly in permanent ink with corrections dated and initials as well as accompanied by the reason for the correction if other than transcription error.
7. If the laboratory transfers ownership or goes out of business, Calscience will ensure that the records are maintained or transferred according to customer instruction.
  - a. Upon ownership transfer, record retention requirements shall be addressed in the ownership transfer agreement and the responsibility for maintaining archives will be clearly established. In cases of bankruptcy, appropriate regulatory and state legal requirements concerning laboratory records will be followed.
  - b. If the laboratory goes out of business, all records will revert to the control of the client or regulatory agency, as applicable. As much notice as possible will be given to clients and the accrediting bodies who have worked with the laboratory during the previous 5 years of such action.
- D. Signature log: The laboratory keeps a log of each employee's name, signature and initials. The laboratory also assigns each employee a numerical "Analyst ID". Technical personnel generally use this number rather than their signature or initials on analytical records. The log is kept on file in the QA offices.

#### 4.14) Internal Audits

- A. The laboratory periodically, and in accordance with a predetermined schedule and procedure, conducts internal audits of its activities to verify that its operations continue to comply with the requirements of the management system and with all applicable Standards. The internal audit program addresses all elements of the management system and laboratory process. Additional detail on auditing requirements and qualification of internal auditors is found in the Calscience SOP [Internal Audits](#), current revision.
  1. It is the responsibility of the Quality Assurance Manager to plan and organize audits as required by the schedule and requested by management. Audits are performed so that the entire management system is audited annually.
  2. Internal audits are performed by trained and qualified personnel who are independent of the activity to be audited.
  3. Checklists are used to assist the audit procedure. This ensures that there is documentation of what items were checked and what the results of the checks were.
- B. If audit findings cast doubt on the correctness or validity of calibrations or analytical results, immediate corrective action must be taken. Deficiencies discovered during the auditing process are rectified and documented using the corrective action process described in Section 4.11 of this manual. Records are maintained in the eJira system.
- C. The area of activity audited, the audit findings and corrective actions that arise from them are recorded in an audit report.
- D. Follow-up audit activities verify and record the implementation and effectiveness of the corrective action taken. Follow up is a part of the corrective action procedure and is documented in the corrective action system.
- E. Additional Items
  1. If the laboratory identifies events that cast doubt on the validity of test results, the laboratory is required to notify clients with affected data within **15 business** days of the discovery. Notification must be recorded in the eJira system.
  2. The laboratory management must ensure that these actions taken as a result of internal audits are **executed** within the agreed time frame.

#### 4.15) Management Review

- A. The Laboratory Management is responsible for performing an annual management review of the laboratory. The focus of the management review is on the sufficiency of the Quality Assurance Manual and system to meet the standards of NELAP. **The meeting is organized by the QA manager.**
  1. The review is performed in multiple stages. First, the quality department personnel and upper management collect information to fill out the Eurofins Environment Testing form "**Management Review Meeting Agenda**".
  2. Then, a local meeting is held with the President, Laboratory Director, the quality department staff, Operations Manager, Client Services Manager, Office Manager, and other parties as deemed by the President.



3. The output of the meeting is the completed "Management Review Meeting Agenda" form with proposed action items.
  4. Finally, the action items are entered as issues in the eJIRA system and the progress of their investigation and resolution is tracked in the Monthly Metrics Report. Closure of the issues must be completed within the subsequent 12 months or if deemed to be insufficiently resolved and requiring continued action, may be brought forward into the next year's agenda.
  5. Subsequent review of the efficacy of resolutions is followed as in Section 4.11.D Monitoring of Corrective Actions.
- B. The review will include but is not limited to the following items:
1. The suitability of policies and procedures, including data integrity procedures
  2. Results of the annual assessment
  3. Results of proficiency testing samples
  4. Corrective and preventive actions
  5. Results of any external assessments, e.g., certification assessments
  6. Any changes in the volume or type of work, particularly anticipated changes
  7. Review of client complaints or other client feedback
  8. Any other relevant factors, such as quality control activities, resources, and staff training.

#### 4.16) Data Integrity

- A. It is the policy of the laboratory to produce data which are sound, correct and complete. The laboratory maintains a documented data integrity system which is reviewed annually and approved by management. The program in place in the laboratory includes the following elements which are detailed in the Calscience SOP [Data Integrity](#), current version:
1. Data Integrity Training
  2. Documentation signed by each employee
  3. In-depth, periodic monitoring of data integrity
  4. Documentation of data integrity procedures.
- B. Laboratory management will uphold the spirit of the laboratory's data integrity program and will work to effectively implement the requirements of these procedures.
- C. Employees undergo Data Integrity training and sign statements that they agree to abide by the requirements of the Data Integrity Program at orientation and annually.
- D. The laboratory maintains a no-fault reporting policy for data integrity issues.
- E. If a report is received of a potential violation of the laboratory's data integrity procedures or if the laboratory's auditing program reveals evidence of inappropriate actions or vulnerabilities related to data integrity, further review is required. All investigations will be handled in a confidential manner until such time as a follow-up evaluation, full investigation, or other appropriate actions have been completed and the issues clarified.
- F. All investigations that result in finding of inappropriate activity must be recorded and the records must include any disciplinary actions involved, corrective actions taken, and all notifications of clients. All records must be kept for at least five years.

### 5) Technical Requirements

#### 5.1) General Information

- A. Many factors determine the correctness and reliability of the tests performed by a laboratory including human factors, accommodation and environmental conditions, test and calibration methods and method validation, equipment, measurement traceability, sampling, handling of test items, as well as others.
- B. The extent to which the factors contribute to the total uncertainty of measurement differs considerably between different types of tests. The laboratory takes these factors into consideration in developing test methods and procedures, in training and qualifying personnel, and in the selection and calibration of the equipment employed.

#### 5.2) Personnel

- A. The laboratory management must ensure the competence of all who operate specific equipment, perform tests, evaluate results, and sign test reports. When using staff in training, appropriate

- supervision must be provided. Personnel performing specific tasks are qualified on the basis of appropriate education, training, experience and/or demonstrated skills.
- B. The management of the laboratory formulates goals with respect to the education, training and skills of the laboratory personnel. The laboratory policy and procedures for identifying training needs and providing training of personnel are outlined below. The training program is intended to be relevant to the present and anticipated tasks of the laboratory. The overall goals of the training program are to ensure that all personnel have the skills to perform their work in compliance with the management system and the Standard, are trained in the parts of the management system that affect their specific job, and have demonstrated competency to perform the tests, parts of tests or other functions for which they are responsible. Details of the training program, including records requirements, are contained in the Calscience SOP [Employee Training](#) (current version).
1. Training needs are identified through evaluation of current skills by management. Initially, individuals are trained to perform specific methods or support procedures as defined by their initial job description. After initial training in specific job functions, annual evaluations include identification of other training needs. Training on basic laboratory techniques is performed along with method training that uses those techniques.
  2. Initial training is designed to provide a new employee with the information required to perform their job in compliance with the overall management system. Additional training needs are determined during employee evaluations and may include additional method training, training in additional tasks such as sample management, refresher training, or, in some cases, retraining on particular parts of the management system.
  3. Training effectiveness is evaluated initially through observation of the employee's performance of tasks and/or through evaluations of Demonstrations of Capability. Continuing evaluations are made through additional observation, through evaluation of quality control data and proficiency testing data as well as review of reports and records generated by the employee in the performance of their duties.
  4. The laboratory routinely uses personnel who are employed by the laboratory. However, new employees are often brought in through a temporary agency and may be converted to full-time company employees after a trial period. Regardless of whether company employees or contracted personnel are used, the laboratory ensures that such personnel are supervised and competent and that they work in accordance with the laboratory's management system.
- C. The laboratory maintains current job descriptions for managerial, technical and key support personnel involved in tests and/or calibrations. Minimum job descriptions (as required by the Standard) for key managerial personnel are found in [Appendix 2](#) of this Quality Manual. Job descriptions for analytical ("bench") personnel are maintained by the [Laboratory Director](#), Operations Manager and/or Group Leaders. Information in job description may include, for example, the following items.
1. Responsibilities with respect to performing tests.
  2. Responsibilities with respect to the planning of tests and evaluation of results
  3. Responsibilities with respect to method modification and development and validation of new methods
  4. Expertise and experience required
  5. Qualifications and any required training programs
  6. Managerial duties.
- D. Laboratory management authorizes specific personnel to perform particular types of sampling and testing, to issue test reports, and to operate particular types of equipment. The laboratory maintains records of the relevant authorization(s), competence, educational and professional qualifications, training, skills and experience of all technical personnel, including contracted personnel. This information is maintained by the QA office and kept readily available. It must include the date on which authorization and/or competence is confirmed.
1. Authorization to perform tests is given by the approval of the Initial Demonstration of Capability. Authorization to operate specific types of equipment is included with the method authorization that uses that equipment.
  2. Each analyst must demonstrate capability for each test method used in the laboratory initially, prior to reporting samples using the method, and on an annual basis thereafter. Records of these demonstrations must be maintained.
  3. For processes that do not include an analytical method, authorization is indicated by one of several methods:
    - a. For processes that require specific LIMS or other electronic permissions, the authorization is indicated by the supervisor's e-mail to QA requesting that the permission be given to the

- employee.
- b. For analytical processes that do not lend themselves to a demonstration of capability, authorization is indicated through inclusion by the supervisor of the method on the employee's "Method Proficiency List and Demonstration of Capability Certification Statement" form along with the record of having read and understood the governing SOP(s).
- 4. This laboratory does not offer opinions or interpretations, so there is no authorization procedure for them.
- E. Group Leader (Technical Managers) qualifications
  1. Any Group Leader involved in chemical analysis must have a bachelor's degree in a chemical, environmental, biological science, physical science or engineering, with at least 24 college semester credit hours in chemistry and at least 2 years of experience in the environmental analysis of inorganic and organic analytes for which the lab maintains accreditation. A master's or doctoral degree in one of these disciplines can be substituted for one year of experience.
  2. Any Group Leader limited to inorganic chemical analysis, other than metals, must have an associate's degree in a chemical, physical or environmental science or 2 years of equivalent college education with at least 16 college semester credit hours in chemistry and must have at least 2 years of experience performing such analysis.
  3. Group leaders are responsible for ensuring that training requirements are met for assigned personnel, and
  4. Ensuring that training records are maintained and up to date for assigned personnel.
- F. Data Integrity Training
  1. Data integrity training is required as a part of the initial new employee orientation and annually thereafter.
  2. The Data Integrity Program, including training requirements, is described in Section 4.16 above and in the SOP referenced there.

### 5.3) Accommodation and Environmental Conditions

- A. The laboratory facilities for testing, including but not limited to energy sources, lighting and environmental conditions, must facilitate correct performance of the tests. The laboratory will ensure that the environmental conditions do not invalidate the results or adversely affect the required quality of any measurement. The technical requirements for accommodation and environmental conditions that can affect the results of test and calibration are required to be documented.
- B. Most of the laboratory is amenable to normal industrial building controls. There are few areas in the laboratory where temperature requirements are prescribed. Where test methods make specific requirements, these are incorporated into the testing areas. Tests are stopped when these conditions are unable to be met.
- C. The laboratory maintains an effective separation between areas in which there are incompatible activities. Measures are taken to prevent cross-contamination.
  1. Volatile organic analyses and air analyses are performed in an environmentally controlled area, separate from areas where organic extractions and semivolatile organic analyses are performed.
  2. Other analyses with a potential for cross-contamination from preparation (e.g., metals) are performed in separate rooms.
- D. Laboratory access is controlled. Only authorized individuals who have been issued access via electronic keyless entry are allowed in laboratory areas. Guests may be allowed in the laboratory only with an authorized escort.
  1. Customer information must be kept confidential when visitors are in the laboratory area. Do not allow visitors, particularly customers, to view worksheets from other customers' samples.
  2. Do not leave visitors unescorted in the laboratory areas.
- E. Laboratory personnel are required to practice appropriate good housekeeping.
  1. In general, no specific laboratory protocols are required for the types of analyses performed at Calscience. Where specific protocols are required for specific tests, they are documented in the applicable test method SOPs.
  2. The laboratory seeks to minimize clutter while maximizing accessibility of appropriate apparatus, reagents, and standards. Laboratory personnel are required to maintain their work spaces in a clean and orderly manner.
  3. The laboratory employs a contractor to provide basic custodial services. The contractor has been instructed to not use cleaning chemicals in the areas where volatile organic analyses are

performed.

#### 5.4) Environmental Methods and Method Validation

- A. The laboratory is required to use appropriate methods and procedures for all tests within its scope and all calibrations and verifications of equipment.
  - 1. These include sampling, handling, transport, storage and preparation of samples to be analyzed and, where appropriate, an estimation of the measurement uncertainty as well as statistical techniques for analysis of quality control data.
  - 2. The laboratory has instructions on the use and operation of all relevant equipment, and on the handling and preparation of samples for analysis, or both, where the absence of such instructions could jeopardize the results of tests and/or calibrations.
    - a. These instructions are included in the laboratory's SOPs for specific methods and in the instrument manufacturer's manuals.
    - b. Additional instructions may be included in SOPs specific to a particular task or instrument.
  - 3. All instructions, standards, manuals and reference data relevant to the work of the laboratory are required to be kept up to date and made readily available to personnel (see section 4.3) Deviation from sample collection, preparation, test, and calibration methods may occur only if the deviation has been documented, technically justified, authorized, and accepted by the customer.
  - 4. The laboratory maintains specific SOPs for each environmental test method used in the laboratory.
  - 5. Deviations from the published method are listed in a specific section in the SOP along with their technical justification. Data supporting the validity of listed deviations, if required, is kept on file in the laboratory. Listed deviations are collated by the QA department and then provided to project management.
- B. The laboratory must ensure it uses test methods, including methods for sampling, which meet the needs of the customer and which are appropriate for the tests and/or calibrations it undertakes.
  - 1. Methods published in international, regional or national standards are preferably used.
    - a. Sources include methods that have been published either in international, regional or national standards, or by reputable technical organizations, or in relevant scientific texts or journals, or as specified by the manufacturer of the equipment. Specific sources of methods used at Calscience include the EPA, Standard Methods for the Examination of Water and Wastewater, ASTM, the State of California and local municipalities, and scientific journals.
    - b. The laboratory must use the latest valid edition of a standard unless it is not appropriate or possible to do so. Note: Some accreditations and some contracts held by the laboratory require the use of earlier editions of methods.
    - c. When necessary, the method is supplemented with additional details to ensure consistent application.
  - 2. When the customer does not specify the method to be used, the laboratory selects what it deems the most appropriate method.
  - 3. Laboratory-developed methods or methods adopted by the laboratory may also be used if they are appropriate for the intended use and if they are validated. The customer must be informed as to the method chosen. See clause 5.4.C below.
  - 4. The laboratory is required to confirm that it can properly operate standard methods before introducing the tests or calibrations. If the standard method changes, in such a way that the detection system, the chemistry, or the sensitivity of the method may be affected, the confirmation must be repeated. This is accomplished by performing a Demonstration of Capability and, where applicable, a determination of detection limits study.
  - 5. The laboratory must inform the customer when the method proposed by the customer is considered to be inappropriate or out of date.
  - 6. All customer notifications are performed as part of the request, tenders, and contracts procedure. (See Section 4.4)
- C. Laboratory-Developed methods. It is not likely that the laboratory will develop any in-house methods. If the need arises, the laboratory will develop validation plans in line with the requirements of the Standards.
- D. Non-Standard methods, if used, will be validated using the procedures included in the **Calscience New Method/Analyte Validation Checklist**.
- E. Validation of the implementation of analytical methods will be performed using the procedures included in the **Calscience New Method/Analyte Validation Checklist**.



## F. Estimation of Analytical Uncertainty

1. The laboratory maintains procedures for determining the uncertainty associated with analysis. Determination of total uncertainty, including sampling, transport, etc. is beyond the scope of the laboratory and will not be determined.
  - a. The nature of some test methods may preclude rigorous, statistically valid estimation of analytical uncertainty. In these cases the laboratory will attempt to identify all components of analytical uncertainty and make a reasonable estimation and shall ensure that the form of data reporting does not give a wrong impression of the uncertainty. A reasonable estimation is based on knowledge of method performance and previous experience. When estimating the analytical uncertainty, all uncertainty components which are of importance in the given situation must be taken into account.
  - b. When the laboratory is using a well-recognized test method that specifies limits to the values of the major source of uncertainty of measurement and specifies the form of presentation of calculated results, the laboratory is considered to have satisfied the requirements on analytical uncertainty by following the test method and reporting instructions.
  - c. The laboratory is only responsible for estimating the portion of measurement uncertainty that is under its control.
2. For testing laboratories, the laboratory shall ensure that the equipment used can provide the analytical portion of measurement uncertainty needed by the customer.

## G. Control of Data

1. Calculations and data transfers shall be subject to appropriate checks in a systematic manner.
2. When computers or automated equipment are used for the acquisition, processing, recording, reporting, storage or retrieval of test or calibration data, the laboratory ensures that:
  - a. Computer software developed by the user is documented in sufficient detail and is suitably validated as being adequate for use;
  - b. Procedures are established and implemented for protecting the data; such procedures shall include, but not be limited to, integrity and confidentiality of data entry or collection, data storage, data transmission and data processing;
  - c. Computers and automated equipment are maintained to ensure proper functioning and are provided with the environmental and operating conditions necessary to maintain the integrity of test and calibration data.
  - d. Commercial off-the-shelf software (e.g. word processing, database and statistical programs) in general use within their designed application range may be considered to be sufficiently validated. However, laboratory software configuration/ modifications should be validated as in 5.4.G.2.a.
  - e. User names and passwords are required for all information system access. Passwords are changed at least every six months.
  - f. Employees are trained at hiring and annually thereafter on computer security awareness. This training is assigned through Eurofins training platform, The Learning Centre.

## 5.5) Equipment

- A. The laboratory is furnished with all items of sampling, measurement and test equipment required for the correct performance of the tests and/or calibrations (including sampling, preparation of test and/or calibration items, processing and analysis of test and/or calibration data). The laboratory does not use equipment that is outside its permanent control.
- B. Equipment and its software used for testing, calibration, and sampling are capable of achieving the accuracy required and procedures ensure that the equipment complies with specifications relevant to the tests and/or calibrations concerned.
  1. Calibration programs are established for key quantities or values of the instruments where these properties have a significant effect on the results. General equipment requirements are described in this section. Specific requirements are described in pertinent SOPs.
    - a. Calibration of analytical instrumentation is generally described in the [Calscience SOP Internal Quality Control Checks, T020](#) current version. Specific requirements are contained in the test method SOPs governing the equipment.
    - b. Calibration and verification of support equipment is described in [Calscience SOP Support Equipment](#), current version.
  2. Before being placed into service, equipment (including that used for sampling) must be calibrated or checked to establish that it meets the laboratory's specification requirements and

complies with the relevant standard specifications. It shall be checked and/or calibrated before use as required by the analytical methods or the SOPs.

- C. Equipment is operated only by authorized personnel. Up-to-date instructions on the use and maintenance of equipment (including any relevant manuals provided by the manufacturer of the equipment) are readily available for use by the appropriate laboratory personnel. See the [Routine Instrument Maintenance SOP](#), current version, [Support Equipment SOP](#), current version, instrument manuals or the specific test method SOPs for these instructions.
- D. Each item of equipment and its software used for testing and significant to the result is, when practical, uniquely identified.
- E. Records are maintained of each item of equipment and its software significant to the tests performed. The records shall include at least the following:
  - 1. the identity of the item of equipment and its software;
  - 2. the manufacturer's name, type identification, and serial number or other unique identification;
  - 3. checks that equipment complies with the specification (see 5.5.2);
  - 4. the current location, where appropriate;
  - 5. the manufacturer's instructions, if available, or reference to their location;
  - 6. dates, results and copies of reports and certificates of all calibrations, adjustments, acceptance criteria, and the due date of next calibration;
  - 7. the maintenance plan, where appropriate, and maintenance carried out to date;
  - 8. any damage, malfunction, modification or repair to the equipment.
  - 9. Items 1, 2 and 4 are kept in spreadsheets by the QA Department. Items required in item 5 are kept in the QA Department. Maintenance plans are kept in the [Routine Instrument Maintenance SOP](#), current version. Records of calibration/verification of analytical equipment are kept in the analytical data. Records of calibration/verification of support equipment are kept by the QA Department. Records of maintenance are kept in maintenance logs with the equipment.
- F. The laboratory has procedures for safe handling, transport, storage, use and planned maintenance of measuring equipment to ensure proper functioning and in order to prevent contamination or deterioration. Additional procedures may be necessary when measuring equipment is used outside the permanent laboratory for tests, calibrations or sampling. See the [Routine Instrument Maintenance SOP](#), current version, [Support Equipment SOP](#), current version, or the specific test method SOPs for these instructions.
- G. Equipment that has been subjected to overloading or mishandling, gives suspect results, or has been shown to be defective or outside specified limits, must be taken out of service.
  - 1. The equipment is isolated to prevent its use or clearly labeled or marked as being out of service until it has been repaired and shown by calibration or test to perform correctly. The laboratory has "Out of Service" signs available to place on instrumentation and requirements to include the out of service notification in logbooks associated with the equipment.
  - 2. The laboratory must **determine** the effect of the defect or departure from specified limits on previous tests and/or calibrations and institute the "Control of nonconforming work" procedure (see 4.9). This is particularly important if support equipment is found to be out of tolerance during routine calibration cycles or if analytical equipment or reporting systems are found to have errors that may have been missed when used to generate earlier data.
- H. Whenever possible, all equipment under the control of the laboratory and requiring calibration shall be labeled, coded or otherwise identified to indicate the status of calibration, including the date when last calibrated and the date or expiration criteria when recalibration is due.
  - 1. Support equipment is labeled with its calibration status whenever possible.
  - 2. Analytical instrumentation is calibrated according to test method requirements and requires some sort of calibration or calibration verification with every use. Therefore, the calibration status is generally maintained in and inferred from the instrument data.
- I. When, for whatever reason, equipment goes outside the direct control of the laboratory, the laboratory shall ensure that the function and calibration status of the equipment are checked and shown to be satisfactory before the equipment is returned to service.
  - 1. Analytical instrumentation must pass method calibration requirements prior to return to use. If the instrumentation has been subject to repairs or alterations, new detection limit studies and an IDOC may be required. When in doubt, check with QA personnel.
  - 2. Support equipment must be calibrated or verified as required before use.
  - 3. Calibration Standards, such as Class 2 weights and traceable thermometers require verification upon return from calibration. See the [Calscience SOP Support Equipment](#), and [Calscience SOP Thermometer Verification and Temperature Monitoring](#), current versions, for more information.

- J. When intermediate checks are needed to maintain confidence in the calibration status of the equipment, these checks are carried out according to the procedures in the governing SOPs.
- K. Where calibrations give rise to a set of correction factors, the laboratory procedures ensure that copies (e.g. in computer software, on calibration records, etc.) are correctly updated.
  - 1. Interelement correction factors used in metals analysis, for example, must be updated through the software and saved appropriately.
  - 2. Correction factors used on thermometers, for example, are listed on the thermometer.
- L. Test and calibration equipment, including both hardware and software, must be safeguarded from adjustments which would invalidate the test and/or calibration results.
- M. Support Equipment
  - 1. In addition to analytical instruments, requirements for calibration apply to all devices that may not be the actual test instrument, but are necessary to support laboratory operations. These include, but are not limited to; balances, ovens, refrigerators, freezers, incubators, water baths, temperature measuring devices (including thermometers and thermistors), thermal/pressure sample preparation devices and volumetric dispensing devices (such as Eppendorf® or automatic dilutor/dispensing devices), if quantitative results are dependent on their accuracy, as in standard preparation and dispensing or dilution into a specified volume. Detailed requirements and procedures are contained in the [Calscience SOP Support Equipment](#), and [Calscience SOP Thermometer Verification and Temperature Monitoring](#), current versions.
    - a. All support equipment shall be maintained in proper working order. The records of all repair and maintenance activities, including service calls, shall be kept.
    - b. **Temperature measuring devices** must be calibrated or verified at least annually, using references traceable to a recognized National Metrology Institute, such as NIST, when available. **If the temperature measuring device is used over a range of 10°C or less, a single point verification within the range of use is acceptable, while a range of greater than 10°C the verification must bracket the range of use.**
    - c. The results of such calibration or verification are required to be within the specifications required of the application for which this equipment is used or the equipment is removed from service until repaired.
    - d. The laboratory must maintain records of established correction factors arising from these calibrations or verifications to correct all measurements.
    - e. Raw data records are retained to document equipment performance.
    - f. On each day the equipment is used, balances, ovens, refrigerators, freezers and water baths shall be checked and the results recorded. The acceptability for use or continued use is set according to the needs of the analysis or application for which the equipment is being used.
    - g. Volumetric dispensing devices used for quality-affecting measurements are checked for accuracy on a quarterly basis. **Glass microliter syringes are generally exempt except as a requirement of some client QAPPs. Class A glassware is exempt from verification.**
    - h. All other volumetric support equipment must be calibrated or verified at least annually using a NIST-traceable reference when available, bracketing range of use.
- N. Instrument Calibration
  - 1. Calibration of analytical instrumentation is addressed in general in the [Calscience SOP Internal Quality Control Checks](#), current version.
  - 2. Specifics of instrument calibration, including acceptance criteria, are contained in the technical SOP governing the analysis.

## 5.6) Measurement Traceability

- A. All equipment used for tests and/or calibrations, including equipment **for measurement of** environmental conditions, having a significant effect on the accuracy or validity of the result of the test, calibration or sampling shall be calibrated before being put into service. The laboratory's program and procedures for the calibration of its equipment as well as traceability of standards and reagents is described in this section.
- B. Measuring and test equipment with measuring functions used must be calibrated on at least an annual basis. Whenever possible, calibration is performed using reference standards or reference materials that are traceable to a national standard or other standard acceptable to NELAP or customer, as applicable, unless it has been established that the associated contribution from the calibration contributes little to the total uncertainty of the test result. When this situation arises, the laboratory ensures that the equipment used can provide the uncertainty of measurement needed.

- C. Reference Standards and Reference Materials
1. Reference Standards –The laboratory has a program and procedure for the calibration of its reference standards. Reference standards, such as weights used for checking balances and reference thermometers, must be calibrated by a calibration laboratory accredited to ISO 17025 for the particular calibration provided. Reference standards of measurement held by the laboratory are used for calibration or verification only and for no other purpose. The specifics of the calibration program are contained in the Calscience SOP [Support Equipment](#), and Calscience SOP [Thermometer Verification and Temperature Monitoring](#), current versions.
  2. Reference Materials – Reference materials, where possible, are traceable to SI units of measurement, to certified reference materials, or to national or international standard reference materials. Internal reference materials are checked as far as is technically and economically practicable.
  3. Intermediate Checks – Checks needed to maintain confidence in the calibration status of reference, primary, transfer or working standards and reference materials are carried out according to procedures and schedules defined in the appropriate technical SOPs.
  4. The laboratory shall have procedures for safe handling, transport, storage and use of reference standards and reference materials in order to prevent contamination or deterioration and in order to protect their integrity.
  5. The laboratory provides evidence of correlation of results by participation in a program of proficiency testing through PT providers that provide traceability to a national standard.
- D. Documentation and Labeling of Standards, Reagents, and Reference Materials -- Documented procedures are in place for the purchase, receipt and storage of consumable materials used for the technical operations of the laboratory. **Refer to the reagents and standards SOP?**
1. The laboratory retains records for all standards, reagents, reference materials, and media, including the manufacturer/vendor, the manufacturer's Certificate of Analysis or purity (if available), the date of receipt, and recommended storage conditions.
  2. For original containers, if an expiration date is provided by the manufacturer or vendor it shall be recorded on the container. If an expiration date is not provided by the manufacturer or vendor it is not required.
  3. Records are maintained on standard, reference material, and reagent preparation. These records indicate traceability to purchased stocks or neat compounds, reference to the method of preparation, date of preparation, expiration date and preparer's initials or PUID.
  4. All containers of prepared standards, reference materials, and reagents are labeled with a unique identifier and expiration date.
  5. Procedures are in place to ensure prepared reagents meet the requirements of the method.
  6. Standards, reference materials, and reagents shall not be used after their expiration dates unless their reliability is verified by the laboratory.

### 5.7) Sampling

- A. The laboratory performs some sampling for customers, virtually all of it related to wastewater treatment. Additionally, the laboratory performs subsampling of samples provided by customers to provide aliquots for specific analyses.
  1. For external sampling, the procedures are described in detail in the Calscience SOP [Wastewater Sampling](#), T101, current version. Customers provide sampling plans to the laboratory. The SOP describes the specifics of the processes and factors to be controlled or monitored.
  2. Subsampling, as in obtaining a representative sample for analysis from a sample container, is described in technical SOPs that deal with sample preparation.
- B. Where the customer requires deviations, additions or exclusions from the documented sampling procedure, these are recorded in detail with the appropriate sampling data and are included in all documents containing test and/or calibration results, and are communicated to the appropriate personnel.
- C. The laboratory maintains procedures for recording relevant data and operations relating to sampling that forms part of the testing or calibration that is undertaken. These records include the sampling procedure used, the identification of the sampler, environmental conditions (if relevant) and diagrams or other equivalent means to identify the sampling location as necessary and, if appropriate, the statistics the sampling procedures are based upon.
- D. Sampling records for external sampling include the date and time of sampling and any deviations from the sampling procedures that were requested or required.



## 5.8) Handling Samples and Test Items

- A. The laboratory has procedures for the transportation, receipt, handling, protection, storage, retention and/or disposal of test and/or calibration items, including all provisions necessary to protect the integrity of the test or calibration item, and to protect the interests of the laboratory and the customer. The procedures used to meet the requirements of this section are included in the Calscience SOP [Sample Receipt and Login Procedures](#), current version.
- B. The laboratory has a system for identifying test and/or calibration items. The identification shall be retained throughout the life of the item in the laboratory. The system is designed and operated so as to ensure that items cannot be confused physically or when referred to in records or other documents. The system accommodates a sub-division of groups of items and the transfer of items within and from the laboratory, including all samples, sub-samples, preservations, sample containers, tests, and subsequent extracts and/or digestates.
  1. The system generates a laboratory code, which maintains an unequivocal link with the unique field ID code assigned to each sample.
  2. The laboratory ID code is placed as a durable label on the sample container.
  3. The laboratory ID code is entered into LIMS and is the link that associates the sample with related laboratory activities such as sample preparation.
- C. Upon receipt of the test or calibration item, abnormalities or departures from normal or specified conditions, as described in the test or calibration method, shall be recorded. When there is doubt as to the suitability of an item for test or calibration, or when an item does not conform to the description provided, or the test or calibration required is not specified in sufficient detail, the laboratory consults the customer for further instructions before proceeding and shall record the discussion.
  1. The laboratory maintains procedures to be used when samples show signs of damage, contamination, inadequate preservation, or other exceptions to the sample receipt policy.
  2. If the sample does not meet the sample receipt acceptance criteria listed, sample receiving personnel notify the appropriate project manager of the exceptions or questions, who, in turn, confer with the customer. The laboratory shall either:
    - a. Retain correspondence and/or records of conversations concerning the final disposition of rejected samples; or,
    - b. Fully document any decision to proceed with the analysis of samples not meeting acceptance criteria.
    - c. The condition of these samples shall be noted on the chain of custody or transmittal form and in LIMS.
    - d. The analysis data shall be appropriately qualified on the final report.
- D. The laboratory has procedures and appropriate facilities for avoiding deterioration, loss or damage to the test or calibration item during storage, handling and preparation. Handling instructions provided with the item shall be followed. When items have to be stored or conditioned under specified environmental conditions, these conditions shall be maintained, monitored and recorded. These procedures are contained in the Calscience SOP [Sample Receipt and Login Procedures](#), current version.

Note: Calscience does not provide secure, legal chain-of-custody procedures.
- E. Additional Requirements – Sample Receipt Protocols
  1. The laboratory has implemented procedures for verifying and documenting preservation.
  2. The laboratory uses LIMS to create a permanent chronological record to document receipt of all sample containers. This record contains the following required information:
    - a. Client/project name,
    - b. Date and time of laboratory receipt,
    - c. Unique laboratory ID code, and,
    - d. The identification of the person making the entries.
  3. During the login process, the following information shall be unequivocally linked to the log record using the LIMS.
    - a. The field ID code, which identifies each sample, shall be linked to the laboratory ID code in the sample receipt log.
    - b. The date and time of sample collection shall be linked to the sample and to the date and time of receipt in the laboratory.
    - c. The requested analyses (including applicable approved method numbers), linked to the laboratory ID code.

- d. Any comments resulting from inspection for sample rejection shall be linked to the laboratory ID code.
4. All documentation, such as memos, chain of custody, or transmittal forms that are transmitted to the laboratory by the sample transmitter, is retained.
5. A complete chain of custody record form is maintained to document transfer of the sample to the laboratory.
  - a. For most samples, once the sample is inside the laboratory and the receiving process is completed, sample movement within the laboratory is not **routinely** recorded.
  - b. An internal chain-of-custody is available upon customer request.
- F. The laboratory has a written sample acceptance policy, which is available to customers of the laboratory and other sampling personnel. This policy requires the following information be provided with each sample. The policy is included as an appendix in the Calscience SOP [Sample Receipt and Login Procedures](#), current version.
  1. Proper, full, and complete documentation, which includes sample identification; the location, date and time of collection; collector's name, preservation type, sample type and any special remarks concerning the sample;
  2. Proper sample labeling to include unique identification and a labeling system for the samples with requirements concerning the durability of the labels (water resistant) and the use of indelible ink;
  3. Use of appropriate sample containers;
  4. Adherence to specified holding times;
  5. Sufficient sample volume to perform the necessary tests;
- G. Additional Requirements – Sample Storage and Disposal
  1. Samples shall be stored according to the conditions specified by preservation protocols. For most samples, this means that samples are refrigerated.
    - a. Samples that require thermal preservation shall be stored under refrigeration that is +/- 2°C of the specified preservation temperature unless regulatory or method specific criteria exist. For samples with a specified storage temperature of 4°C, storage at a temperature above the freezing point of water to 6°C shall be acceptable. (**≤6°C, not frozen**)
    - b. In practice, most samples are kept in the refrigerators for ease of retrieval.
    - c. Samples must be stored away from all standards, reagents, and food. Samples must be stored in such a manner to prevent cross contamination.
  2. Sample fractions, extracts, leachates and other sample preparation products are stored according to specifications in the method and the requirements listed above.
  3. The laboratory addresses disposal of samples, digestates, leachates and extracts and other sample preparation products in **SOP T005, Disposal of Laboratory Samples and Wastes**.

### 5.9) Quality Control for Environmental Testing

- A. The laboratory has implemented quality control procedures for monitoring the validity of tests and calibrations undertaken. The resulting data are recorded in such a way that trends are detectable and, where possible, statistical techniques are applied to the reviewing of the results. This monitoring is planned and reviewed and includes, but may not be limited to, the following:
  1. regular use of certified reference materials and/or internal quality control using secondary reference materials;
  2. participation in proficiency testing programs;
  3. replicate testing;
  4. retesting or recalibration of retained items;
  5. correlation of results for different characteristics of an item.
- B. Quality control data are analyzed as soon as is feasible after analysis and, where they are found to be outside predefined criteria, planned action is taken to correct the problem and to prevent incorrect results from being reported.
- C. Essential Quality Control Procedures
  1. The laboratory has written protocols in place to monitor the following quality controls. The specific controls and their evaluations are contained in Calscience SOP T020, Internal Quality Control Checks, current version, and in the appropriate test method SOPs. These SOPs shall assure that the applicable principles are addressed:
    - a. positive and negative controls, as applicable to the test type, to monitor tests such as blanks, LCSs, and matrix spikes;

- b. tests to define the variability and/or repeatability of the laboratory results such as replicates, laboratory duplicates, and spiked duplicates;
  - c. measures to assure the accuracy of the method including calibration and/or continuing calibrations, use of certified reference materials, proficiency test samples, or other measures;
  - d. measures to evaluate method capability, such as limit of detection and limit of quantitation or range of applicability such as linearity;
  - e. selection of appropriate formulae to reduce raw data to final results such as regression analysis, comparison to internal/external standard calculations, and statistical analyses;
  - f. selection and use of reagents and standards of appropriate quality;
  - g. measures to assure the selectivity of the test for its intended purpose; and
  - h. measures to assure constant and consistent test conditions (both instrumental and environmental) where required by the method such as temperature, humidity, light or specific instrument conditions.
2. All quality control measures are evaluated on an ongoing basis and acceptance criteria are used.
  3. The laboratory has procedures for developing acceptance and rejection criteria where there is no method or regulatory criteria.
  4. The quality control procedures specified by the laboratory SOPs shall be followed. The laboratory ensures that the essential standards outlined in the Technical Module of the TNI Standard or mandated method or regulations is to be followed.
- D. Instruments are calibrated as described in Section 5.5 of this QAM and detailed in [Calscience SOP – Internal Quality Control Checks](#), current version, and the laboratory method SOPs.
- E. Batch QC samples are prepared with each preparation batch. A preparation batch is a batch of samples of the same quality system matrix, not to exceed a total of 20 field samples. QC samples are not counted as part of the 20. Unless otherwise specified and justified in the test method SOP, the following QC samples are required. The test method SOP may reduce or increase this requirement.
1. Each batch must contain, where applicable; a Laboratory Control Sample and Laboratory Sample Duplicate, a Method Blank, a Matrix Spike sample and a Matrix Spike Duplicate or Matrix Duplicate sample. The preparation and specific evaluation criteria for each of these QC sample types are detailed in the laboratory method SOPs.
  2. All quality control measures must be assessed and evaluated while the analyses are ongoing **or as soon after as practicable**. Laboratory personnel use bench sheets or instrument software to record all raw data. These system include the recording and evaluating of QC data at the same time as the sample data. QC data is used to determine the usability of the sample data as described later in this section.
  3. Specific requirements for QC samples and their evaluation are included in the [Calscience SOP – Internal Quality Control Checks](#), current version.
- F. Limits of Detection and Limits of Quantitation
1. The laboratory uses a combination of Limits of Detection and Limits of Quantitation (“Reporting Limits”) to convey sensitivity for each analysis performed in the laboratory. Specific requirements and instructions for the determination of these limits are contained in [Calscience SOP – Detection Limits](#), current version.

## 5.10) Reporting of Results

### A. General Considerations

1. The result of each environmental test must be reported accurately, clearly, unambiguously and objectively as well as in accordance with any specific instructions included in the test method.
2. The results shall be reported in a test report and shall include all the information requested by the customer and necessary for the interpretation of the test results and all information required by the method used. This information is normally that required by 5.10.B, and 5.10.C or 5.10.D, below.
3. Instructions for generating test reports are located in the Calscience **SOP-Project Management**, current revision.

### B. Test Reports

1. Each test report shall include at least the following information. An exception is taken when “Preliminary Results” are provided to meet customer’s rush turn-around time requests. Preliminary reports are labeled as such on the cover and are always followed by the complete final report.

- a. A Title. This laboratory titles its reports "Analytical Report"
  - b. The name and address of the laboratory;
  - c. The Work Order number is the unique identification of the test report. It is displayed on each page in order to ensure that the page is recognized as a part of the test report. Report pages are numbered as 1 of n, where "n" is the total number of pages.
  - d. The name and address of the customer;
  - e. identification of the test method used;
  - f. description of, the condition of, and unambiguous identification of the samples tested;
  - g. the date of receipt of the samples where this is critical to the validity and application of the results (See 5.10.K below), and the date(s) of performance of the analysis or different analytical steps, as applicable;
  - h. reference to the sampling plan and procedures used by the laboratory or other bodies where these are relevant to the validity or application of the results (this is rare in this laboratory);
  - i. the analytical results with the units of measurement;
  - j. the name(s), function(s) and signature(s) or equivalent identification of person(s) authorizing the test report;
  - k. where relevant, a statement to the effect that the results relate only to the samples tested;
  - l. statement specifying that the client is specifically prohibited from making material changes to the report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise.
- C. Test Reports
1. In addition to the requirements listed in 5.10.B, test reports shall, where necessary for the interpretation of the test results, include the following:
    - a. Deviations from, additions to, or exclusions from the test method, and information on specific test conditions, such as environmental conditions;
    - b. Where relevant, a statement of compliance/non-compliance with requirements and/or specifications;
    - c. Where applicable, a statement on the estimated uncertainty of measurement. (Note: estimation of uncertainty in measurement is addressed in Section 5.6 of this document); information on uncertainty is needed in test reports when it is relevant to the validity or application of the test results, when a customer's instruction so requires, or when the uncertainty affects compliance to a specification limit;
    - d. Additional information which may be required by specific methods, customers or groups of customers.
  2. In addition to the requirements listed in 5.10.B and 5.10.C.1, test reports containing the results of sampling shall include the following, where necessary for the interpretation of test results:
    - a. The date of sampling.
    - b. The customer's reference to the sampling site and other information as noted on the Chain of Custody.
    - c. Any details of conditions during sampling or any deviations, additions or exclusions from the specified sampling plan.
- D. The laboratory does not offer opinions or interpretations of the data reported.
- E. When the analytical report contains results of tests performed by subcontractors, these results are clearly identified. The subcontractor must report the results either in writing or electronically.
- F. Electronic transmission of results
1. In the case of transmission of test or calibration results by telephone, e-mail, facsimile or other electronic or electromagnetic means, the requirements of this section (see also Section 5.4.G) shall be met.
  2. Most reports are submitted by electronic mail to the person requesting the analysis. Results may not be submitted to any other entities without the approval of the original requestor. A record of this approval must be maintained by the laboratory.
  3. Electronic mail transmissions are accompanied by statements regarding confidentiality and privacy of information.
- G. The format of the reports is designed to accommodate each type of test carried out and to minimize the possibility of misunderstanding or misuse.
- H. Amendments to test reports;
1. When required, amendments are made by regenerating the entire report. Amended reports are labeled on the cover as "Supplemental Report #" where "#" is a sequential number, starting with 1. The Work Order number is also listed and the electronic file name is incremented with "\_s#" to clearly identify the revision.



2. Such amendments are designed to meet all the requirements of this International Standard.
- I. While rare, it is possible that Calscience may be requested to produce abbreviated report at some times. If the request arises, Calscience will maintain all of the information that would be required for the full report.
- J. Additional Requirements
  1. Reports must also include the following information, when applicable.
    - a. Time of sample preparation and/or analysis if the required holding time for either activity is less than or equal to seventy-two (72) hours.
    - b. Results that are reported on a basis other than as received (e. g., dry weight).
    - c. Any non-accredited tests shall be clearly identified as such to the client when claims of accreditation to this Standard are made in the analytical report or in the supporting electronic or hardcopy deliverables.
    - d. Clear identification of numerical results with values outside the calibration range.

## 6) Appendices

- A. Appendix 1 -- Definitions
- B. Appendix 2 -- Job Descriptions of Key Personnel
- C. Appendix 3 -- Organizational Chart

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End of document

Version	Approval	Revision information
8.1	01.JUL.2020	
9	11.JAN.2022	Update location and information regarding new Tustin facility. Incorporate Appendix 3 (List of Physical Locations) into primary document. Remove references to DoD-only requirements.
10	22.FEB.2022	Add Business Unit Manager and Laboratory Director as document approvers.



**CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Fields of Accreditation**



**Eurofins Lancaster Laboratories Environment Testing, LLC**

2425 New Holland Pike  
Lancaster, PA 17601  
Phone: 7176562300

**Certificate Number: 2792  
Expiration Date: 11/30/2023**

**Field of Accreditation:102 - Inorganic Chemistry of Drinking Water**

102.020	001	Turbidity	EPA 180.1	PA
102.026	001	Calcium	EPA 200.7	PA
102.026	002	Magnesium	EPA 200.7	PA
102.026	003	Potassium	EPA 200.7	PA
102.026	005	Sodium	EPA 200.7	PA
102.030	003	Chloride	EPA 300.0	PA
102.030	005	Fluoride	EPA 300.0	PA
102.030	006	Nitrate (as N)	EPA 300.0	PA
102.030	007	Nitrite (as N)	EPA 300.0	PA
102.030	009	Sulfate (as SO4)	EPA 300.0	PA
102.050	001	Cyanide, Total	EPA 335.4	PA
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2	PA
102.061	001	Nitrite (as N)	EPA 353.2	PA
102.095	001	Turbidity	SM 2130 B-2001	PA
102.100	001	Alkalinity	SM 2320 B-1997	PA
102.121	001	Hardness	SM 2340 C-1997	PA
102.130	001	Specific Conductance	SM 2510 B-1997	PA
102.140	001	Residue, Filterable TDS	SM 2540 C-1997	PA
102.174	002	Chlorine, Total Residual	SM 4500-Cl F-2000	PA
102.200	001	Fluoride	SM 4500-F C-1997	PA
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000	PA
102.240	001	Phosphate,Ortho (as P)	SM 4500-P E-1999	PA
102.242	001	Silica	SM 4500-SiO2 C-1997	PA
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000	PA
102.270	001	Surfactants	SM 5540 C-2000	PA

**Field of Accreditation:103 - Toxic Chemical Elements of Drinking Water**

103.130	003	Barium	EPA 200.7	PA
103.130	007	Chromium	EPA 200.7	PA
103.130	008	Copper	EPA 200.7	PA
103.130	009	Iron	EPA 200.7	PA
103.130	011	Manganese	EPA 200.7	PA
103.130	012	Nickel	EPA 200.7	PA
103.130	015	Silver	EPA 200.7	PA

As of 2/7/2023 , this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

103.130	017	Zinc	EPA 200.7	PA
103.140	001	Aluminum	EPA 200.8	PA
103.140	002	Antimony	EPA 200.8	PA
103.140	003	Arsenic	EPA 200.8	PA
103.140	004	Barium	EPA 200.8	PA
103.140	005	Beryllium	EPA 200.8	PA
103.140	006	Cadmium	EPA 200.8	PA
103.140	007	Chromium	EPA 200.8	PA
103.140	008	Copper	EPA 200.8	PA
103.140	009	Lead	EPA 200.8	PA
103.140	010	Manganese	EPA 200.8	PA
103.140	012	Nickel	EPA 200.8	PA
103.140	013	Selenium	EPA 200.8	PA
103.140	015	Thallium	EPA 200.8	PA
103.140	016	Zinc	EPA 200.8	PA
103.140	019	Strontium	EPA 200.8	PA
103.160	001	Mercury	EPA 245.1	PA

**Field of Accreditation:104 - Volatile Organic Chemistry of Drinking Water**

104.200	001	1,1,1,2-Tetrachloroethane	EPA 524.2	PA
104.200	002	1,1,1-Trichloroethane	EPA 524.2	PA
104.200	003	1,1,2,2-Tetrachloroethane	EPA 524.2	PA
104.200	004	1,1,2-Trichloroethane	EPA 524.2	PA
104.200	005	1,1-Dichloroethane	EPA 524.2	PA
104.200	006	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2	PA
104.200	007	1,2,3-Trichlorobenzene	EPA 524.2	PA
104.200	008	1,2,4-Trichlorobenzene	EPA 524.2	PA
104.200	009	1,2,4-Trimethylbenzene	EPA 524.2	PA
104.200	010	1,2-Dichlorobenzene	EPA 524.2	PA
104.200	011	1,2-Dichloroethane (Ethylene Dichloride)	EPA 524.2	PA
104.200	012	1,2-Dichloropropane	EPA 524.2	PA
104.200	013	1,3,5-Trimethylbenzene	EPA 524.2	PA
104.200	014	1,3-Dichlorobenzene	EPA 524.2	PA
104.200	015	1,4-Dichlorobenzene	EPA 524.2	PA
104.200	016	2-Chlorotoluene	EPA 524.2	PA
104.200	017	4-Chlorotoluene	EPA 524.2	PA
104.200	018	Benzene	EPA 524.2	PA
104.200	019	Carbon Disulfide	EPA 524.2	PA
104.200	020	Carbon Tetrachloride	EPA 524.2	PA
104.200	021	Chlorobenzene	EPA 524.2	PA
104.200	022	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2	PA
104.200	023	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2	PA
104.200	024	Dichlorodifluoromethane	EPA 524.2	PA

104.200	025	Dichloromethane (Methylene Chloride)	EPA 524.2	PA
104.200	027	Ethyl tert-butyl Ether (ETBE)	EPA 524.2	PA
104.200	028	Ethylbenzene	EPA 524.2	PA
104.200	029	Isopropylbenzene	EPA 524.2	PA
104.200	030	Methyl isobutyl ketone (MIBK, 4-Methyl-2-pentanone)	EPA 524.2	PA
104.200	031	Methyl tert-butyl Ether (MTBE)	EPA 524.2	PA
104.200	032	Naphthalene	EPA 524.2	PA
104.200	033	n-Butylbenzene	EPA 524.2	PA
104.200	034	N-propylbenzene	EPA 524.2	PA
104.200	035	sec-Butylbenzene	EPA 524.2	PA
104.200	036	Styrene	EPA 524.2	PA
104.200	037	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 524.2	PA
104.200	038	tert-Amyl Methyl Ether (TAME)	EPA 524.2	PA
104.200	039	tert-Butylbenzene	EPA 524.2	PA
104.200	040	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2	PA
104.200	041	Toluene	EPA 524.2	PA
104.200	042	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2	PA
104.200	043	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 524.2	PA
104.200	044	Trichloroethylene (Trichloroethene)	EPA 524.2	PA
104.200	045	Trichlorofluoromethane	EPA 524.2	PA
104.200	047	Vinyl Chloride	EPA 524.2	PA
104.200	102	m+p-Xylene	EPA 524.2	PA
104.200	103	o-Xylene	EPA 524.2	PA
104.200	201	Bromodichloromethane	EPA 524.2	PA
104.200	202	Bromoform	EPA 524.2	PA
104.200	203	Chloroform	EPA 524.2	PA
104.200	204	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2	PA

**Field of Accreditation: 105 - Semi-volatile Organic Chemistry of Drinking Water**

105.100	001	Aldicarb (Temik)	EPA 531.1	PA
105.100	002	Aldicarb Sulfone	EPA 531.1	PA
105.100	003	Aldicarb Sulfoxide	EPA 531.1	PA
105.100	004	Carbaryl (Sevin)	EPA 531.1	PA
105.100	005	Carbofuran (Furadan)	EPA 531.1	PA
105.100	006	3-Hydroxycarbofuran	EPA 531.1	PA
105.100	007	Methomyl (Lannate)	EPA 531.1	PA
105.100	008	Oxamyl	EPA 531.1	PA
105.103	001	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	EPA 533	PA
105.103	002	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	EPA 533	PA
105.103	003	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 533	PA
105.103	004	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 533	PA
105.103	005	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 533	PA
105.103	006	Perfluorobutanoic Acid (PFBA)	EPA 533	PA



105.103	007	Perfluorobutane Sulfonic Acid (PFBS)	EPA 533	PA
105.103	008	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2F)	EPA 533	PA
105.103	009	Perfluorodecanoic Acid (PFDA)	EPA 533	PA
105.103	010	Perfluorododecanoic Acid (PFDoA)	EPA 533	PA
105.103	011	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	EPA 533	PA
105.103	012	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 533	PA
105.103	013	Perfluoroheptanoic Acid (PFHpA)	EPA 533	PA
105.103	014	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2F)	EPA 533	PA
105.103	015	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 533	PA
105.103	016	Perfluorohexanoic Acid (PFHxA)	EPA 533	PA
105.103	017	Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 533	PA
105.103	018	Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 533	PA
105.103	019	Perfluorononanoic Acid (PFNA)	EPA 533	PA
105.103	020	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2F)	EPA 533	PA
105.103	021	Perfluorooctane Sulfonic Acid (PFOS)	EPA 533	PA
105.103	022	Perfluorooctanoic Acid (PFOA)	EPA 533	PA
105.103	023	Perfluoropentanoic Acid (PFPeA)	EPA 533	PA
105.103	024	Perfluoropentane Sulfonic Acid (PFPeS)	EPA 533	PA
105.103	025	Perfluoroundecanoic Acid (PFUnDA)	EPA 533	PA
105.106	001	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid	EPA 537.1	PA
105.106	002	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	EPA 537.1	PA
105.106	003	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 537.1	PA
105.106	004	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 537.1	PA
105.106	005	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEPA)	EPA 537.1	PA
105.106	006	N-Methylperfluorooctane Sulfonamido Acetic Acid (MEPA)	EPA 537.1	PA
105.106	007	Perfluorobutane Sulfonic Acid (PFBS)	EPA 537.1	PA
105.106	008	Perfluorodecanoic Acid (PFDA)	EPA 537.1	PA
105.106	009	Perfluorododecanoic Acid (PFDoA)	EPA 537.1	PA
105.106	010	Perfluoroheptanoic Acid (PFHpA)	EPA 537.1	PA
105.106	011	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 537.1	PA
105.106	012	Perfluorohexanoic Acid (PFHxA)	EPA 537.1	PA
105.106	013	Perfluorononanoic Acid (PFNA)	EPA 537.1	PA
105.106	014	Perfluorooctanoic Acid (PFOA)	EPA 537.1	PA
105.106	015	Perfluorooctane Sulfonic Acid (PFOS)	EPA 537.1	PA
105.106	016	Perfluorotetradecanoic Acid (PFTDA)	EPA 537.1	PA
105.106	017	Perfluorotridecanoic Acid (PFTrDA)	EPA 537.1	PA
105.106	018	Perfluoroundecanoic Acid (PFUnDA)	EPA 537.1	PA
105.230	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B	PA
<b>Field of Accreditation: 108 - Inorganic Constituents in Non-Potable Water</b>				
108.009	001	Turbidity	EPA 180.1	PA
108.013	001	Calcium	EPA 200.7	PA
108.013	002	Magnesium	EPA 200.7	PA

108.013	004	Potassium	EPA 200.7	PA
108.013	006	Sodium	EPA 200.7	PA
108.015	001	Calcium	EPA 200.8	PA
108.015	002	Magnesium	EPA 200.8	PA
108.015	003	Potassium	EPA 200.8	PA
108.015	005	Sodium	EPA 200.8	PA
108.017	001	Bromide	EPA 300.0	PA
108.017	002	Chloride	EPA 300.0	PA
108.017	003	Fluoride	EPA 300.0	PA
108.017	004	Nitrate (as N)	EPA 300.0	PA
108.017	006	Nitrite (as N)	EPA 300.0	PA
108.017	008	Sulfate (as SO4)	EPA 300.0	PA
108.023	001	Cyanide, Total	EPA 335.4	PA
108.025	001	Ammonia (as N)	EPA 350.1	PA
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2	PA
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2	PA
108.033	002	Nitrite (as N)	EPA 353.2	PA
108.035	002	Phosphorus, Total	EPA 365.1	PA
108.037	001	Phosphate, Ortho (as P)	EPA 365.3	PA
108.045	001	Chemical Oxygen Demand	EPA 410.4	PA
108.049	001	Phenols, Total	EPA 420.4	PA
108.053	002	Oil & Grease, Total Recoverable	EPA 1664 B	PA
108.055	001	Color	SM 2120 B-2011	PA
108.059	001	Turbidity	SM 2130 B-2011	PA
108.061	001	Acidity	SM 2310 B-2011	PA
108.063	001	Alkalinity	SM 2320 B-2011	PA
108.067	001	Hardness	SM 2340 C-2011	PA
108.069	001	Specific Conductance	SM 2510 B-2011	PA
108.071	001	Residue, Total	SM 2540 B-2011	PA
108.073	001	Residue, Filterable TDS	SM 2540 C-2011	PA
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011	PA
108.079	001	Residue, Settleable	SM 2540 F-2011	PA
108.080	001	Temperature	SM 2550 B-2010	PA
108.109	001	Chlorine, Total Residual	SM 4500-Cl F-2011	PA
108.117	001	Chloride	SM 4500-Chloride C-2011	PA
108.131	001	Fluoride	SM 4500-F C-2011	PA
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011	PA
108.139	001	Ammonia (as N)	SM 4500-NH3 C-2011	PA
108.140	001	Ammonia (as N)	SM 4500-NH3 D-2011	PA
108.175	001	Phosphate, Ortho (as P)	SM 4500-P E-2011	PA
108.177	002	Phosphorus, Total	SM 4500-P F-2011	PA
108.184	001	Silica, Dissolved	SM 4500-SiO2 C-2011	PA

108.189	001	Sulfite (as SO <sub>3</sub> )	SM 4500-SO3 B-2011	PA
108.201	001	Sulfide (as S)	SM 4500-S D-2011	PA
108.203	001	Sulfide (as S)	SM 4500-S F-2011	PA
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011	PA
108.207	002	Carbonaceous BOD	SM 5210 B-2011	PA
108.217	001	Organic Carbon-Total (TOC)	SM 5310 C-2011	PA
108.225	001	Surfactants	SM 5540 C-2011	PA
108.321	001	Cyanide, Total	ASTM D7511-12	PA
108.333	001	Oxygen, Dissolved	Hach 10360	PA
108.339	001	Cyanide, Available	OIA-1677-09	PA
108.339	002	Cyanide, Free	OIA-1677-09	PA

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**Field of Accreditation: 109 - Metals and Trace Elements in Non-Potable Water**


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109.623	001	Aluminum	EPA 200.7	PA
109.623	002	Antimony	EPA 200.7	PA
109.623	003	Arsenic	EPA 200.7	PA
109.623	004	Barium	EPA 200.7	PA
109.623	005	Beryllium	EPA 200.7	PA
109.623	006	Boron	EPA 200.7	PA
109.623	007	Cadmium	EPA 200.7	PA
109.623	008	Chromium	EPA 200.7	PA
109.623	009	Cobalt	EPA 200.7	PA
109.623	010	Copper	EPA 200.7	PA
109.623	011	Iron	EPA 200.7	PA
109.623	012	Lead	EPA 200.7	PA
109.623	013	Manganese	EPA 200.7	PA
109.623	014	Molybdenum	EPA 200.7	PA
109.623	015	Nickel	EPA 200.7	PA
109.623	016	Selenium	EPA 200.7	PA
109.623	017	Silver	EPA 200.7	PA
109.623	018	Thallium	EPA 200.7	PA
109.623	019	Tin	EPA 200.7	PA
109.623	020	Titanium	EPA 200.7	PA
109.623	021	Vanadium	EPA 200.7	PA
109.623	022	Zinc	EPA 200.7	PA
109.625	001	Aluminum	EPA 200.8	PA
109.625	002	Antimony	EPA 200.8	PA
109.625	003	Arsenic	EPA 200.8	PA
109.625	004	Barium	EPA 200.8	PA
109.625	005	Beryllium	EPA 200.8	PA
109.625	007	Cadmium	EPA 200.8	PA
109.625	008	Chromium	EPA 200.8	PA
109.625	009	Cobalt	EPA 200.8	PA

109.625	010	Copper	EPA 200.8	PA
109.625	012	Iron	EPA 200.8	PA
109.625	013	Lead	EPA 200.8	PA
109.625	014	Manganese	EPA 200.8	PA
109.625	015	Molybdenum	EPA 200.8	PA
109.625	016	Nickel	EPA 200.8	PA
109.625	017	Selenium	EPA 200.8	PA
109.625	018	Silver	EPA 200.8	PA
109.625	019	Thallium	EPA 200.8	PA
109.625	020	Tin	EPA 200.8	PA
109.625	021	Titanium	EPA 200.8	PA
109.625	022	Vanadium	EPA 200.8	PA
109.625	023	Zinc	EPA 200.8	PA
109.629	001	Chromium VI (Hexavalent Chromium)	EPA 218.6	PA
109.635	001	Mercury	EPA 245.1	PA
109.685	002	Chromium VI (Hexavalent Chromium)	SM 3500-Cr B-2011	PA
109.693	001	Iron	SM 3500-Fe B-2011	PA

**Field of Accreditation: 110 - Volatile Organic Constituents in Non-Potable Water**

110.040	001	Acetone	EPA 624.1	PA
110.040	002	Acetonitrile	EPA 624.1	PA
110.040	003	Acrolein	EPA 624.1	PA
110.040	004	Acrylonitrile	EPA 624.1	PA
110.040	005	Benzene	EPA 624.1	PA
110.040	006	Bromodichloromethane	EPA 624.1	PA
110.040	007	Bromoform	EPA 624.1	PA
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1	PA
110.040	009	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 624.1	PA
110.040	010	Carbon Tetrachloride	EPA 624.1	PA
110.040	011	Chlorobenzene	EPA 624.1	PA
110.040	012	Chloroethane	EPA 624.1	PA
110.040	013	2-Chloroethyl vinyl Ether	EPA 624.1	PA
110.040	014	Chloroform	EPA 624.1	PA
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1	PA
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1	PA
110.040	017	1,2-Dichlorobenzene	EPA 624.1	PA
110.040	018	1,3-Dichlorobenzene	EPA 624.1	PA
110.040	019	1,4-Dichlorobenzene	EPA 624.1	PA
110.040	020	1,1-Dichloroethane	EPA 624.1	PA
110.040	021	1,2-Dichloroethane (Ethylene Dichloride)	EPA 624.1	PA
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1	PA
110.040	023	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 624.1	PA
110.040	024	1,2-Dichloropropane	EPA 624.1	PA

110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1	PA
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 624.1	PA
110.040	028	Ethyl Acetate	EPA 624.1	PA
110.040	029	Ethylbenzene	EPA 624.1	PA
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1	PA
110.040	032	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 624.1	PA
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1	PA
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1	PA
110.040	036	Tetrahydrofuran	EPA 624.1	PA
110.040	037	Toluene	EPA 624.1	PA
110.040	038	1,1,1-Trichloroethane	EPA 624.1	PA
110.040	039	1,1,2-Trichloroethane	EPA 624.1	PA
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1	PA
110.040	041	Vinyl Chloride	EPA 624.1	PA
110.040	043	o-Xylene	EPA 624.1	PA
110.040	045	Trichlorofluoromethane	EPA 624.1	PA
110.040	046	m+p-Xylene	EPA 624.1	PA
110.040	047	2-Butanone (MEK)	EPA 624.1	PA
110.070	002	n-Amyl Acetate	EPA 1666 A	PA
110.070	003	n-Amyl Alcohol	EPA 1666 A	PA
110.070	004	n-Butyl Acetate	EPA 1666 A	PA
110.070	005	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 1666 A	PA
110.070	009	Ethyl Acetate	EPA 1666 A	PA
110.070	010	n-Heptane	EPA 1666 A	PA
110.070	011	n-Hexane	EPA 1666 A	PA
110.070	012	Isobutyraldehyde	EPA 1666 A	PA
110.070	013	Isopropyl Acetate	EPA 1666 A	PA
110.070	014	Isopropyl Alcohol (Isopropanol)	EPA 1666 A	PA
110.070	015	Isopropyl Ether (DIPE)	EPA 1666 A	PA
110.070	018	Methyl Formate	EPA 1666 A	PA
110.070	019	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 1666 A	PA
110.070	021	Tetrahydrofuran	EPA 1666 A	PA
110.070	024	o-Xylene	EPA 1666 A	PA
110.070	026	m+p-Xylene	EPA 1666 A	PA
110.090	001	Acetonitrile	EPA 1671 A	PA
110.090	002	Diethylamine	EPA 1671 A	PA
110.090	003	Dimethyl Sulfoxide	EPA 1671 A	PA
110.090	004	Ethanol	EPA 1671 A	PA
110.090	005	Methanol	EPA 1671 A	PA
110.090	006	2-Methoxyethanol	EPA 1671 A	PA
110.090	007	n-Propanol (1-Propanol)	EPA 1671 A	PA
110.090	008	Triethylamine	EPA 1671 A	PA

**Field of Accreditation:**111 - Semi-volatile Organic Constituents in Non-Potable Water

111.055	001	Aldrin	EPA 608.3	PA
111.055	002	alpha-BHC	EPA 608.3	PA
111.055	003	beta-BHC	EPA 608.3	PA
111.055	004	delta-BHC	EPA 608.3	PA
111.055	005	gamma-BHC (Lindane)	EPA 608.3	PA
111.055	006	Chlordane	EPA 608.3	PA
111.055	007	4,4'-DDD	EPA 608.3	PA
111.055	008	4,4'-DDE	EPA 608.3	PA
111.055	009	4,4'-DDT	EPA 608.3	PA
111.055	010	Dieldrin	EPA 608.3	PA
111.055	011	Endosulfan I	EPA 608.3	PA
111.055	012	Endosulfan II	EPA 608.3	PA
111.055	013	Endosulfan Sulfate	EPA 608.3	PA
111.055	014	Endrin	EPA 608.3	PA
111.055	015	Endrin Aldehyde	EPA 608.3	PA
111.055	016	Heptachlor	EPA 608.3	PA
111.055	017	Heptachlor Epoxide	EPA 608.3	PA
111.055	019	PCB-1016 (Aroclor-1016)	EPA 608.3	PA
111.055	020	PCB-1221 (Aroclor-1221)	EPA 608.3	PA
111.055	021	PCB-1232 (Aroclor-1232)	EPA 608.3	PA
111.055	022	PCB-1242 (Aroclor-1242)	EPA 608.3	PA
111.055	023	PCB-1248 (Aroclor-1248)	EPA 608.3	PA
111.055	024	PCB-1254 (Aroclor-1254)	EPA 608.3	PA
111.055	025	PCB-1260 (Aroclor-1260)	EPA 608.3	PA
111.055	046	Methoxychlor	EPA 608.3	PA
111.055	048	Mirex	EPA 608.3	PA
111.055	060	Toxaphene	EPA 608.3	PA
111.160	001	Acenaphthene	EPA 625.1	PA
111.160	002	Acenaphthylene	EPA 625.1	PA
111.160	003	Anthracene	EPA 625.1	PA
111.160	004	Benzidine	EPA 625.1	PA
111.160	005	Benzo(a)anthracene	EPA 625.1	PA
111.160	006	Benzo(a)pyrene	EPA 625.1	PA
111.160	007	Benzo(b)fluoranthene	EPA 625.1	PA
111.160	008	Benzo(g,h,i)perylene	EPA 625.1	PA
111.160	009	Benzo(k)fluoranthene	EPA 625.1	PA
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1	PA
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1	PA
111.160	012	bis(2-Chloroisopropyl) ether (2,2'-Oxybis[1-chloropropane])	EPA 625.1	PA
111.160	013	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 625.1	PA
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1	PA

111.160	015	Butyl Benzyl Phthalate	EPA 625.1	PA
111.160	016	2-Chloronaphthalene	EPA 625.1	PA
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1	PA
111.160	018	Chrysene	EPA 625.1	PA
111.160	019	Dibenz(a,h)anthracene	EPA 625.1	PA
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1	PA
111.160	021	Diethyl Phthalate	EPA 625.1	PA
111.160	022	Dimethyl Phthalate	EPA 625.1	PA
111.160	023	Di-n-butyl Phthalate	EPA 625.1	PA
111.160	024	2,4-Dinitrotoluene	EPA 625.1	PA
111.160	025	2,6-Dinitrotoluene	EPA 625.1	PA
111.160	026	Di-n-octyl Phthalate	EPA 625.1	PA
111.160	027	Fluoranthene	EPA 625.1	PA
111.160	028	Fluorene	EPA 625.1	PA
111.160	029	Hexachlorobenzene	EPA 625.1	PA
111.160	030	Hexachlorobutadiene	EPA 625.1	PA
111.160	031	Hexachloroethane	EPA 625.1	PA
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1	PA
111.160	033	Isophorone	EPA 625.1	PA
111.160	034	Naphthalene	EPA 625.1	PA
111.160	035	Nitrobenzene	EPA 625.1	PA
111.160	036	N-nitroso-di-n-propylamine	EPA 625.1	PA
111.160	037	Phenanthrene	EPA 625.1	PA
111.160	038	Pyrene	EPA 625.1	PA
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1	PA
111.160	040	4-Chloro-3-methylphenol	EPA 625.1	PA
111.160	041	2-Chlorophenol	EPA 625.1	PA
111.160	042	2,4-Dichlorophenol	EPA 625.1	PA
111.160	043	2,4-Dimethylphenol	EPA 625.1	PA
111.160	044	2,4-Dinitrophenol	EPA 625.1	PA
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1	PA
111.160	046	2-Nitrophenol	EPA 625.1	PA
111.160	047	4-Nitrophenol	EPA 625.1	PA
111.160	048	Pentachlorophenol	EPA 625.1	PA
111.160	049	Phenol	EPA 625.1	PA
111.160	050	2,4,6-Trichlorophenol	EPA 625.1	PA
111.160	098	Hexachlorocyclopentadiene	EPA 625.1	PA
111.160	108	N-nitrosodimethylamine	EPA 625.1	PA
111.160	110	N-nitrosodiphenylamine	EPA 625.1	PA
111.160	139	Acetophenone	EPA 625.1	PA
111.160	140	Carbazole	EPA 625.1	PA
111.160	141	o-Cresol	EPA 625.1	PA

111.160	142	n-decane (n-C10)	EPA 625.1	PA
111.160	143	1,2-Diphenylhydrazine	EPA 625.1	PA
111.160	144	n-octadecane (n-C18)	EPA 625.1	PA
111.160	145	Pyridine	EPA 625.1	PA
111.160	146	Biphenyl (1,1'-biphenyl)	EPA 625.1	PA
111.160	147	m+p-Cresol	EPA 625.1	PA
111.160	148	2-Methylnaphthalene	EPA 625.1	PA
111.160	149	1-Methylphenanthrene	EPA 625.1	PA
111.160	151	2,4,5-Trichlorophenol	EPA 625.1	PA
111.250	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B	PA
111.250	002	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B	PA
111.250	003	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 1613 B	PA
111.250	004	Total Tetrachlorodibenzofuran (TCDF)	EPA 1613 B	PA
111.250	005	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 1613 B	PA
111.250	006	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 1613 B	PA
111.250	007	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 1613 B	PA
111.250	008	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 1613 B	PA
111.250	009	Total Pentachlorodibenzofuran (PeCDF)	EPA 1613 B	PA
111.250	010	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B	PA
111.250	011	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B	PA
111.250	012	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B	PA
111.250	013	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B	PA
111.250	014	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B	PA
111.250	015	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B	PA
111.250	016	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B	PA
111.250	017	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B	PA
111.250	018	Total Hexachlorodibenzofuran (HxCDF)	EPA 1613 B	PA
111.250	019	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 1613 B	PA
111.250	020	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 1613 B	PA
111.250	021	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 1613 B	PA
111.250	022	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 1613 B	PA
111.250	023	Total Heptachlorodibenzofuran (HpCDF)	EPA 1613 B	PA
111.250	024	OCDD	EPA 1613 B	PA
111.250	025	OCDF	EPA 1613 B	PA
111.345	001	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEO) DoD QSM Version 5.1 (or newer)		DOD
111.345	002	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	DoD QSM Version 5.1 (or newer)	DOD
111.345	003	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	DoD QSM Version 5.1 (or newer)	DOD
111.345	004	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	DoD QSM Version 5.1 (or newer)	DOD
111.345	005	N-Methylperfluorooctane Sulfonamido Acetic Acid (MEO) DoD QSM Version 5.1 (or newer)		DOD
111.345	006	Perfluorobutanoic Acid (PFBA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	007	Perfluorobutane Sulfonic Acid (PFBS)	DoD QSM Version 5.1 (or newer)	DOD
111.345	008	Perfluorodecanoic Acid (PFDA)	DoD QSM Version 5.1 (or newer)	DOD



111.345	009	Perfluorododecanoic Acid (PFDoA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	010	Perfluorodecane Sulfonic Acid (PFDS)	DoD QSM Version 5.1 (or newer)	DOD
111.345	011	Perfluoroheptanoic Acid (PFHpA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	012	Perfluoroheptane Sulfonic Acid (PFHpS)	DoD QSM Version 5.1 (or newer)	DOD
111.345	013	Perfluorohexane Sulfonic Acid (PFHxS)	DoD QSM Version 5.1 (or newer)	DOD
111.345	014	Perfluorohexanoic Acid (PFHxA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	015	Perfluorononanoic Acid (PFNA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	016	Perfluorooctanoic Acid (PFOA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	017	Perfluorooctane Sulfonic Acid (PFOS)	DoD QSM Version 5.1 (or newer)	DOD
111.345	018	Perfluorooctane Sulfonamide (PFOSAm)	DoD QSM Version 5.1 (or newer)	DOD
111.345	019	Perfluoropentanoic Acid (PFPeA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	020	Perfluoropentane Sulfonic Acid (PFPeS)	DoD QSM Version 5.1 (or newer)	DOD
111.345	021	Perfluorotetradecanoic Acid (PFTDA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	022	Perfluorotridecanoic Acid (PFTrDA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	023	Perfluoroundecanoic Acid (PFUnDA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	024	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid	DoD QSM Version 5.1 (or newer)	DOD
111.345	025	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	DoD QSM Version 5.1 (or newer)	DOD
111.345	026	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	027	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	DoD QSM Version 5.1 (or newer)	DOD
111.345	028	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSAmE)	DoD QSM Version 5.1 (or newer)	DOD
111.345	029	10:2 Fluorotelomer Sulfonic Acid (10:2 FTS)	DoD QSM Version 5.1 (or newer)	DOD
111.345	030	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	031	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	032	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSA-E)	DoD QSM Version 5.1 (or newer)	DOD
111.345	033	Perfluorohexadecanoic Acid (PFHxDA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	034	Perfluorononane Sulfonic Acid (PFNS)	DoD QSM Version 5.1 (or newer)	DOD
111.345	035	Perfluorooctadecanoic Acid (PFODA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	036	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	037	2H,2H,3H,3H-Perfluorohexanoic Acid (3:3 FTCA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	038	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	039	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	040	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	041	Perfluoro-3-methoxypropanoic acid (PFMPA)	DoD QSM Version 5.1 (or newer)	DOD
111.345	042	Perfluoro-4-methoxybutanoic acid (PFMBA)	DoD QSM Version 5.1 (or newer)	DOD

**Field of Accreditation: 114 - Inorganic Constituents in Hazardous Waste**

114.325	001	Aluminum	EPA 6010 D	PA
114.325	002	Antimony	EPA 6010 D	PA
114.325	003	Arsenic	EPA 6010 D	PA
114.325	004	Barium	EPA 6010 D	PA
114.325	005	Beryllium	EPA 6010 D	PA
114.325	006	Boron	EPA 6010 D	PA
114.325	007	Cadmium	EPA 6010 D	PA

114.325	008	Calcium	EPA 6010 D	PA
114.325	009	Chromium	EPA 6010 D	PA
114.325	010	Cobalt	EPA 6010 D	PA
114.325	011	Copper	EPA 6010 D	PA
114.325	012	Iron	EPA 6010 D	PA
114.325	013	Lead	EPA 6010 D	PA
114.325	014	Magnesium	EPA 6010 D	PA
114.325	015	Manganese	EPA 6010 D	PA
114.325	016	Molybdenum	EPA 6010 D	PA
114.325	017	Nickel	EPA 6010 D	PA
114.325	018	Potassium	EPA 6010 D	PA
114.325	019	Selenium	EPA 6010 D	PA
114.325	020	Silver	EPA 6010 D	PA
114.325	021	Sodium	EPA 6010 D	PA
114.325	022	Strontium	EPA 6010 D	PA
114.325	023	Thallium	EPA 6010 D	PA
114.325	024	Tin	EPA 6010 D	PA
114.325	025	Titanium	EPA 6010 D	PA
114.325	026	Vanadium	EPA 6010 D	PA
114.325	027	Zinc	EPA 6010 D	PA
114.345	001	Aluminum	EPA 6020 B	PA
114.345	002	Antimony	EPA 6020 B	PA
114.345	003	Arsenic	EPA 6020 B	PA
114.345	004	Barium	EPA 6020 B	PA
114.345	005	Beryllium	EPA 6020 B	PA
114.345	006	Cadmium	EPA 6020 B	PA
114.345	007	Calcium	EPA 6020 B	PA
114.345	008	Chromium	EPA 6020 B	PA
114.345	009	Cobalt	EPA 6020 B	PA
114.345	010	Copper	EPA 6020 B	PA
114.345	011	Iron	EPA 6020 B	PA
114.345	012	Lead	EPA 6020 B	PA
114.345	013	Magnesium	EPA 6020 B	PA
114.345	014	Manganese	EPA 6020 B	PA
114.345	016	Nickel	EPA 6020 B	PA
114.345	017	Potassium	EPA 6020 B	PA
114.345	018	Selenium	EPA 6020 B	PA
114.345	019	Silver	EPA 6020 B	PA
114.345	020	Sodium	EPA 6020 B	PA
114.345	021	Thallium	EPA 6020 B	PA
114.345	022	Vanadium	EPA 6020 B	PA
114.345	023	Zinc	EPA 6020 B	PA

114.345	024	Molybdenum	EPA 6020 B	PA
114.435	001	Chromium VI (Hexavalent Chromium)	EPA 7196 A	PA
114.465	001	Chromium VI (Hexavalent Chromium)	EPA 7199	PA
114.545	001	Mercury	EPA 7471 B	PA
114.715	001	Cyanide, Total	EPA 9012 B	PA
114.755	001	Fluoride	EPA 9056 A	PA
114.805	001	Oil & Grease (n-Hexane Extractable Materials)	EPA 9071 B	PA

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**Field of Accreditation: 115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste**


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115.085	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	PA
115.095	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	PA
115.145	001	Corrosivity - pH Determination	EPA 9045 D	PA

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**Field of Accreditation: 116 - Volatile Organic Compounds in Hazardous Waste**


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116.215	001	1,2-Dibromoethane (EDB)	EPA 8011	PA
116.215	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	PA
116.221	001	Gasoline Range Organics (GRO)	EPA 8015 C	PA
116.275	001	Benzene	EPA 8260 D	PA
116.275	002	Bromobenzene	EPA 8260 D	PA
116.275	003	Bromochloromethane	EPA 8260 D	PA
116.275	004	Bromodichloromethane	EPA 8260 D	PA
116.275	005	Bromoform	EPA 8260 D	PA
116.275	006	Bromomethane (Methyl Bromide)	EPA 8260 D	PA
116.275	007	n-Butylbenzene	EPA 8260 D	PA
116.275	008	sec-Butylbenzene	EPA 8260 D	PA
116.275	009	tert-Butylbenzene	EPA 8260 D	PA
116.275	010	Carbon Disulfide	EPA 8260 D	PA
116.275	011	Carbon Tetrachloride	EPA 8260 D	PA
116.275	012	Chlorobenzene	EPA 8260 D	PA
116.275	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 D	PA
116.275	014	Chloroethane	EPA 8260 D	PA
116.275	015	Chloroform	EPA 8260 D	PA
116.275	016	Chloromethane (Methyl Chloride)	EPA 8260 D	PA
116.275	017	Dibromomethane	EPA 8260 D	PA
116.275	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 D	PA
116.275	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 D	PA
116.275	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 D	PA
116.275	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 D	PA
116.275	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 D	PA
116.275	023	Ethylbenzene	EPA 8260 D	PA
116.275	024	Hexachlorobutadiene	EPA 8260 D	PA
116.275	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 D	PA
116.275	026	Methylene Chloride (Dichloromethane)	EPA 8260 D	PA
116.275	027	Naphthalene	EPA 8260 D	PA

116.275	029	N-propylbenzene	EPA 8260 D	PA
116.275	030	Styrene	EPA 8260 D	PA
116.275	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 D	PA
116.275	032	Toluene	EPA 8260 D	PA
116.275	033	Trichloroethylene (Trichloroethene)	EPA 8260 D	PA
116.275	034	Trichlorofluoromethane	EPA 8260 D	PA
116.275	035	Vinyl Chloride	EPA 8260 D	PA
116.275	036	m+p-Xylene	EPA 8260 D	PA
116.275	037	o-Xylene	EPA 8260 D	PA
116.275	040	1,1-Dichloroethane	EPA 8260 D	PA
116.275	041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 D	PA
116.275	042	1,1,1-Trichloroethane	EPA 8260 D	PA
116.275	043	1,1,1,2-Tetrachloroethane	EPA 8260 D	PA
116.275	044	1,1,2,2-Tetrachloroethane	EPA 8260 D	PA
116.275	045	1,1,2-Trichloroethane	EPA 8260 D	PA
116.275	046	1,2-Dichlorobenzene	EPA 8260 D	PA
116.275	047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 D	PA
116.275	048	1,2-Dibromoethane (EDB)	EPA 8260 D	PA
116.275	049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 D	PA
116.275	050	1,2-Dichloropropane	EPA 8260 D	PA
116.275	051	1,2,3-Trichloropropane (TCP)	EPA 8260 D	PA
116.275	052	1,2,4-Trichlorobenzene	EPA 8260 D	PA
116.275	053	1,3-Dichlorobenzene	EPA 8260 D	PA
116.275	054	1,4-Dichlorobenzene	EPA 8260 D	PA
116.275	055	2-Chloroethyl vinyl Ether	EPA 8260 D	PA
116.275	056	4-Chlorotoluene	EPA 8260 D	PA
116.275	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 D	PA
116.275	058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 D	PA
116.275	059	Diisopropyl ether (DIPE)	EPA 8260 D	PA
116.275	060	1,4-Dioxane	EPA 8260 D	PA
116.275	061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 D	PA
116.275	062	tert-Amyl Methyl Ether (TAME)	EPA 8260 D	PA

**Field of Accreditation: 117 - Semi-volatile Organic Chemistry of Hazardous Waste**

117.245	002	Diesel Range Organics (DRO)	EPA 8015 C	PA
117.265	012	Ethanol	EPA 8015 C	PA
117.265	014	Ethylene Glycol	EPA 8015 C	PA
117.265	017	Isopropyl Alcohol (Isopropanol)	EPA 8015 C	PA
117.265	018	Methanol	EPA 8015 C	PA
117.325	001	Aldrin	EPA 8081 B	PA
117.325	002	alpha-BHC	EPA 8081 B	PA
117.325	003	beta-BHC	EPA 8081 B	PA
117.325	004	delta-BHC	EPA 8081 B	PA

117.325	005	gamma-BHC (Lindane)	EPA 8081 B	PA
117.325	006	Chlordane (total)	EPA 8081 B	PA
117.325	008	4,4'-DDD	EPA 8081 B	PA
117.325	009	4,4'-DDE	EPA 8081 B	PA
117.325	010	4,4'-DDT	EPA 8081 B	PA
117.325	011	Dieldrin	EPA 8081 B	PA
117.325	012	Endosulfan I	EPA 8081 B	PA
117.325	013	Endosulfan II	EPA 8081 B	PA
117.325	014	Endosulfan Sulfate	EPA 8081 B	PA
117.325	015	Endrin	EPA 8081 B	PA
117.325	016	Endrin Aldehyde	EPA 8081 B	PA
117.325	017	Endrin Ketone	EPA 8081 B	PA
117.325	018	Heptachlor	EPA 8081 B	PA
117.325	019	Heptachlor Epoxide	EPA 8081 B	PA
117.325	020	Methoxychlor	EPA 8081 B	PA
117.325	021	Toxaphene	EPA 8081 B	PA
117.345	001	Aroclor 1016	EPA 8082 A	PA
117.345	002	Aroclor 1221	EPA 8082 A	PA
117.345	003	Aroclor 1232	EPA 8082 A	PA
117.345	004	Aroclor 1242	EPA 8082 A	PA
117.345	005	Aroclor 1248	EPA 8082 A	PA
117.345	006	Aroclor 1254	EPA 8082 A	PA
117.345	007	Aroclor 1260	EPA 8082 A	PA
117.425	001	2,4-D	EPA 8151 A	PA
117.425	002	2,4-DB	EPA 8151 A	PA
117.425	003	2,4,5-TP (Silvex)	EPA 8151 A	PA
117.425	004	2,4,5-T	EPA 8151 A	PA
117.425	005	Dalapon	EPA 8151 A	PA
117.425	006	Dicamba	EPA 8151 A	PA
117.425	007	Dichloroprop	EPA 8151 A	PA
117.425	008	Dinoseb	EPA 8151 A	PA
117.425	009	MCPA	EPA 8151 A	PA
117.425	010	MCPP	EPA 8151 A	PA
117.425	012	Pentachlorophenol	EPA 8151 A	PA
117.445	001	Acenaphthene	EPA 8270 E	PA
117.445	002	Acenaphthylene	EPA 8270 E	PA
117.445	003	Aniline	EPA 8270 E	PA
117.445	004	Anthracene	EPA 8270 E	PA
117.445	005	Benzidine	EPA 8270 E	PA
117.445	006	Benzoic Acid	EPA 8270 E	PA
117.445	007	Benzo(a)anthracene	EPA 8270 E	PA
117.445	008	Benzo(b)fluoranthene	EPA 8270 E	PA

117.445	009	Benzo(k)fluoranthene	EPA 8270 E	PA
117.445	010	Benzo(g,h,i)perylene	EPA 8270 E	PA
117.445	011	Benzo(a)pyrene	EPA 8270 E	PA
117.445	012	Benzyl Alcohol	EPA 8270 E	PA
117.445	013	Bis(2-chloroethoxy) Methane	EPA 8270 E	PA
117.445	014	Bis(2-chloroethyl) Ether	EPA 8270 E	PA
117.445	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 E	PA
117.445	016	Butyl Benzyl Phthalate	EPA 8270 E	PA
117.445	017	Chrysene	EPA 8270 E	PA
117.445	018	Dibenz(a,h)anthracene	EPA 8270 E	PA
117.445	019	Dibenzofuran	EPA 8270 E	PA
117.445	020	Di-n-butyl Phthalate	EPA 8270 E	PA
117.445	021	Diethyl Phthalate	EPA 8270 E	PA
117.445	022	Dimethyl Phthalate	EPA 8270 E	PA
117.445	023	Di-n-octyl Phthalate	EPA 8270 E	PA
117.445	024	Fluoranthene	EPA 8270 E	PA
117.445	025	Fluorene	EPA 8270 E	PA
117.445	026	Naphthalene	EPA 8270 E	PA
117.445	027	Nitrobenzene	EPA 8270 E	PA
117.445	028	Pentachlorobenzene	EPA 8270 E	PA
117.445	029	Pentachlorophenol	EPA 8270 E	PA
117.445	030	1-Chloronaphthalene	EPA 8270 E	PA
117.445	031	1,2-Dichlorobenzene	EPA 8270 E	PA
117.445	032	1,3-Dichlorobenzene	EPA 8270 E	PA
117.445	033	1,4-Dichlorobenzene	EPA 8270 E	PA
117.445	034	2-Chloronaphthalene	EPA 8270 E	PA
117.445	035	2-Chlorophenol	EPA 8270 E	PA
117.445	036	2,4-Dichlorophenol	EPA 8270 E	PA
117.445	037	2,4-Dimethylphenol	EPA 8270 E	PA
117.445	038	2,4-Dinitrophenol	EPA 8270 E	PA
117.445	039	2,4-Dinitrotoluene	EPA 8270 E	PA
117.445	040	2,6-Dichlorophenol	EPA 8270 E	PA
117.445	041	2,6-Dinitrotoluene	EPA 8270 E	PA
117.445	042	2-Nitroaniline	EPA 8270 E	PA
117.445	043	2-Nitrophenol	EPA 8270 E	PA
117.445	044	3-Nitroaniline	EPA 8270 E	PA
117.445	045	3,3'-Dichlorobenzidine	EPA 8270 E	PA
117.445	046	4-Chloroaniline	EPA 8270 E	PA
117.445	047	4-Chloro-3-methylphenol	EPA 8270 E	PA
117.445	048	4-Bromophenyl Phenyl Ether	EPA 8270 E	PA
117.445	049	4-Chlorophenyl Phenyl Ether	EPA 8270 E	PA
117.445	050	4-Nitroaniline	EPA 8270 E	PA

117.445	051	4-Nitrophenol	EPA 8270 E	PA
117.445	076	Parathion Ethyl	EPA 8270 E	PA
117.445	077	Parathion Methyl	EPA 8270 E	PA
117.445	078	Phorate	EPA 8270 E	PA
117.445	087	N-nitrosodiethylamine	EPA 8270 E	PA
117.445	088	N-nitrosodimethylamine	EPA 8270 E	PA
117.445	089	N-nitrosodiphenylamine	EPA 8270 E	PA
117.445	090	N-nitroso-di-n-propylamine	EPA 8270 E	PA
117.445	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 E	PA
117.445	092	Isophorone	EPA 8270 E	PA
117.445	093	2-Methylnaphthalene	EPA 8270 E	PA
117.445	094	Phenanthrene	EPA 8270 E	PA
117.472	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A	PA
117.472	002	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A	PA
117.472	003	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	PA
117.472	004	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	PA
117.472	005	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	PA
117.472	006	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A	PA
117.472	007	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290 A	PA
117.472	008	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 8290 A	PA
117.472	009	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	PA
117.472	010	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	PA
117.472	011	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	PA
117.472	012	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	PA
117.472	013	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	PA
117.472	014	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	PA
117.472	015	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	PA
117.472	016	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	PA
117.472	017	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290 A	PA
117.472	018	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A	PA
117.472	019	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A	PA
117.472	020	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	PA
117.472	021	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A	PA
117.472	022	Total Tetrachlorodibenzofuran (TCDF)	EPA 8290 A	PA
117.472	023	Total Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	PA
117.472	024	Total Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	PA
117.472	025	Total Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	PA
117.485	001	Acetaldehyde	EPA 8315 A	PA
117.485	010	Formaldehyde	EPA 8315 A	PA
117.505	001	Aldicarb (Temik)	EPA 8318 A	PA
117.505	002	Aldicarb Sulfone	EPA 8318 A	PA
117.505	003	Carbaryl (Sevin)	EPA 8318 A	PA

117.505	004	Carbofuran (Furadan)	EPA 8318 A	PA
117.505	006	3-Hydroxycarbofuran	EPA 8318 A	PA
117.505	007	Methiocarb (Mesurol)	EPA 8318 A	PA
117.505	008	Methomyl (Lannate)	EPA 8318 A	PA
117.505	009	Oxamyl	EPA 8318 A	PA
117.505	011	Propoxur (Baygon)	EPA 8318 A	PA
117.575	001	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	DoD QSM Version 5.1 (or newer)	DOD
117.575	002	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	003	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	004	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	005	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	006	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	007	11-Chloroicosafuoro-3-oxaundecane-1-sulfonic acid	DoD QSM Version 5.1 (or newer)	DOD
117.575	008	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	DoD QSM Version 5.1 (or newer)	DOD
117.575	009	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	010	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	011	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	012	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	013	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	014	Perfluorobutanoic Acid (PFBA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	015	Perfluorobutane Sulfonic Acid (PFBS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	016	Perfluorodecanoic Acid (PFDA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	017	Perfluorododecanoic Acid (PFDoA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	018	Perfluorodecane Sulfonic Acid (PFDS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	019	Perfluoroheptanoic Acid (PFHpA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	020	Perfluoroheptane Sulfonic Acid (PFHpS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	021	Perfluorohexane Sulfonic Acid (PFHxS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	022	Perfluorohexanoic Acid (PFHxA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	023	Perfluorononanoic Acid (PFNA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	024	Perfluorooctanoic Acid (PFOA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	025	Perfluorooctane Sulfonic Acid (PFOS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	026	Perfluorooctane Sulfonamide (PFOSAm)	DoD QSM Version 5.1 (or newer)	DOD
117.575	027	Perfluoropentanoic Acid (PFPeA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	028	Perfluoropentane Sulfonic Acid (PFPeS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	029	Perfluorotetradecanoic Acid (PFTDA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	030	Perfluorotridecanoic Acid (PFTrDA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	031	Perfluoroundecanoic Acid (PFUnDA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	032	10:2 Fluorotelomer Sulfonic Acid (10:2 FTS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	033	Perfluorohexadecanoic Acid (PFHxDA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	034	Perfluorononane Sulfonic Acid (PFNS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	035	Perfluorooctadecanoic Acid (PFODA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	036	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	DoD QSM Version 5.1 (or newer)	DOD



117.575	037	2H,2H,3H,3H-Perfluorohexanoic Acid (3:3 FTCA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	038	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	039	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	040	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	041	Perfluoro-3-methoxypropanoic acid (PFMPA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	042	Perfluoro-4-methoxybutanoic acid (PFMBA)	DoD QSM Version 5.1 (or newer)	DOD

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**Field of Accreditation: 130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)**


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130.020	001	Aluminum	EPA 6010 D	PA
130.020	002	Antimony	EPA 6010 D	PA
130.020	003	Arsenic	EPA 6010 D	PA
130.020	004	Barium	EPA 6010 D	PA
130.020	005	Beryllium	EPA 6010 D	PA
130.020	006	Boron	EPA 6010 D	PA
130.020	007	Cadmium	EPA 6010 D	PA
130.020	008	Calcium	EPA 6010 D	PA
130.020	009	Chromium	EPA 6010 D	PA
130.020	010	Cobalt	EPA 6010 D	PA
130.020	011	Copper	EPA 6010 D	PA
130.020	012	Iron	EPA 6010 D	PA
130.020	013	Lead	EPA 6010 D	PA
130.020	014	Magnesium	EPA 6010 D	PA
130.020	015	Manganese	EPA 6010 D	PA
130.020	016	Molybdenum	EPA 6010 D	PA
130.020	017	Nickel	EPA 6010 D	PA
130.020	018	Potassium	EPA 6010 D	PA
130.020	019	Selenium	EPA 6010 D	PA
130.020	020	Silver	EPA 6010 D	PA
130.020	021	Sodium	EPA 6010 D	PA
130.020	022	Strontium	EPA 6010 D	PA
130.020	023	Thallium	EPA 6010 D	PA
130.020	024	Tin	EPA 6010 D	PA
130.020	025	Titanium	EPA 6010 D	PA
130.020	026	Vanadium	EPA 6010 D	PA
130.020	027	Zinc	EPA 6010 D	PA
130.040	001	Aluminum	EPA 6020 B	PA
130.040	002	Antimony	EPA 6020 B	PA
130.040	003	Arsenic	EPA 6020 B	PA
130.040	004	Barium	EPA 6020 B	PA
130.040	005	Beryllium	EPA 6020 B	PA
130.040	006	Cadmium	EPA 6020 B	PA
130.040	007	Calcium	EPA 6020 B	PA
130.040	008	Chromium	EPA 6020 B	PA

130.040	009	Cobalt	EPA 6020 B	PA
130.040	010	Copper	EPA 6020 B	PA
130.040	011	Iron	EPA 6020 B	PA
130.040	012	Lead	EPA 6020 B	PA
130.040	013	Magnesium	EPA 6020 B	PA
130.040	014	Manganese	EPA 6020 B	PA
130.040	016	Nickel	EPA 6020 B	PA
130.040	017	Potassium	EPA 6020 B	PA
130.040	018	Selenium	EPA 6020 B	PA
130.040	019	Silver	EPA 6020 B	PA
130.040	020	Sodium	EPA 6020 B	PA
130.040	021	Thallium	EPA 6020 B	PA
130.040	022	Vanadium	EPA 6020 B	PA
130.040	023	Zinc	EPA 6020 B	PA
130.040	024	Molybdenum	EPA 6020 B	PA
130.140	001	Chromium VI (Hexavalent Chromium)	EPA 7196 A	PA
130.170	001	Chromium VI (Hexavalent Chromium)	EPA 7199	PA
130.250	001	Mercury	EPA 7470 A	DOD
130.440	001	Cyanide, Total	EPA 9012 B	PA
130.480	001	Fluoride	EPA 9056 A	PA
130.540	001	Oil & Grease (n-Hexane Extractable Materials)	EPA 9071 B	PA

**Field of Accreditation:131 - Leaching/Extraction, Physical Characteristics in Hazardous Waste (Matrix Aqueous)**

131.040	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	PA
131.050	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	PA
131.070	001	Ignitability	EPA 1010 A	PA
131.120	001	Corrosivity - pH Determination	EPA 9040 C	DOD

**Field of Accreditation:132 - Volatile Organic Compounds in Hazardous Waste (Matrix Aqueous)**

132.010	001	1,2-Dibromoethane (EDB)	EPA 8011	PA
132.010	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	PA
132.016	001	Gasoline Range Organics (GRO)	EPA 8015 C	PA
132.070	001	Benzene	EPA 8260 D	PA
132.070	002	Bromobenzene	EPA 8260 D	PA
132.070	003	Bromochloromethane	EPA 8260 D	PA
132.070	004	Bromodichloromethane	EPA 8260 D	PA
132.070	005	Bromoform	EPA 8260 D	PA
132.070	006	Bromomethane (Methyl Bromide)	EPA 8260 D	PA
132.070	007	n-Butylbenzene	EPA 8260 D	PA
132.070	008	sec-Butylbenzene	EPA 8260 D	PA
132.070	009	tert-Butylbenzene	EPA 8260 D	PA
132.070	010	Carbon Disulfide	EPA 8260 D	PA
132.070	011	Carbon Tetrachloride	EPA 8260 D	PA
132.070	012	Chlorobenzene	EPA 8260 D	PA

132.070	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 D	PA
132.070	014	Chloroethane	EPA 8260 D	PA
132.070	015	Chloroform	EPA 8260 D	PA
132.070	016	Chloromethane (Methyl Chloride)	EPA 8260 D	PA
132.070	017	Dibromomethane	EPA 8260 D	PA
132.070	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 D	PA
132.070	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 D	PA
132.070	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 D	PA
132.070	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 D	PA
132.070	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 D	PA
132.070	023	Ethylbenzene	EPA 8260 D	PA
132.070	024	Hexachlorobutadiene	EPA 8260 D	PA
132.070	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 D	PA
132.070	026	Methylene Chloride (Dichloromethane)	EPA 8260 D	PA
132.070	027	Naphthalene	EPA 8260 D	PA
132.070	029	N-propylbenzene	EPA 8260 D	PA
132.070	030	Styrene	EPA 8260 D	PA
132.070	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 D	PA
132.070	032	Toluene	EPA 8260 D	PA
132.070	033	Trichloroethylene (Trichloroethene)	EPA 8260 D	PA
132.070	034	Trichlorofluoromethane	EPA 8260 D	PA
132.070	035	Vinyl Chloride	EPA 8260 D	PA
132.070	036	m+p-Xylene	EPA 8260 D	PA
132.070	037	o-Xylene	EPA 8260 D	PA
132.070	040	1,1-Dichloroethane	EPA 8260 D	PA
132.070	041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 D	PA
132.070	042	1,1,1-Trichloroethane	EPA 8260 D	PA
132.070	043	1,1,1,2-Tetrachloroethane	EPA 8260 D	PA
132.070	044	1,1,2,2-Tetrachloroethane	EPA 8260 D	PA
132.070	045	1,1,2-Trichloroethane	EPA 8260 D	PA
132.070	046	1,2-Dichlorobenzene	EPA 8260 D	PA
132.070	047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 D	PA
132.070	048	1,2-Dibromoethane (EDB)	EPA 8260 D	PA
132.070	049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 D	PA
132.070	050	1,2-Dichloropropane	EPA 8260 D	PA
132.070	051	1,2,3-Trichloropropane (TCP)	EPA 8260 D	PA
132.070	052	1,2,4-Trichlorobenzene	EPA 8260 D	PA
132.070	053	1,3-Dichlorobenzene	EPA 8260 D	PA
132.070	054	1,4-Dichlorobenzene	EPA 8260 D	PA
132.070	055	2-Chloroethyl vinyl Ether	EPA 8260 D	PA
132.070	056	4-Chlorotoluene	EPA 8260 D	PA
132.070	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 D	PA

132.070	058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 D	PA
132.070	059	Diisopropyl ether (DIPE)	EPA 8260 D	PA
132.070	060	1,4-Dioxane	EPA 8260 D	PA
132.070	061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 D	PA
132.070	062	tert-Amyl Methyl Ether (TAME)	EPA 8260 D	PA

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**Field of Accreditation: 133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)**


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133.020	002	Diesel Range Organics (DRO)	EPA 8015 C	PA
133.040	012	Ethanol	EPA 8015 C	PA
133.040	014	Ethylene Glycol	EPA 8015 C	PA
133.040	017	Isopropyl Alcohol (Isopropanol)	EPA 8015 C	PA
133.040	018	Methanol	EPA 8015 C	PA
133.110	001	Aldrin	EPA 8081 B	PA
133.110	002	alpha-BHC	EPA 8081 B	PA
133.110	003	beta-BHC	EPA 8081 B	PA
133.110	004	delta-BHC	EPA 8081 B	PA
133.110	005	gamma-BHC (Lindane)	EPA 8081 B	PA
133.110	006	Chlordane	EPA 8081 B	PA
133.110	008	4,4'-DDD	EPA 8081 B	PA
133.110	009	4,4'-DDE	EPA 8081 B	PA
133.110	010	4,4'-DDT	EPA 8081 B	PA
133.110	011	Dieldrin	EPA 8081 B	PA
133.110	012	Endosulfan I	EPA 8081 B	PA
133.110	013	Endosulfan II	EPA 8081 B	PA
133.110	014	Endosulfan Sulfate	EPA 8081 B	PA
133.110	015	Endrin	EPA 8081 B	PA
133.110	016	Endrin Aldehyde	EPA 8081 B	PA
133.110	017	Endrin Ketone	EPA 8081 B	PA
133.110	018	Heptachlor	EPA 8081 B	PA
133.110	019	Heptachlor Epoxide	EPA 8081 B	PA
133.110	020	Methoxychlor	EPA 8081 B	PA
133.110	021	Toxaphene	EPA 8081 B	PA
133.130	001	Aroclor 1016	EPA 8082 A	PA
133.130	002	Aroclor 1221	EPA 8082 A	PA
133.130	003	Aroclor 1232	EPA 8082 A	PA
133.130	004	Aroclor 1242	EPA 8082 A	PA
133.130	005	Aroclor 1248	EPA 8082 A	PA
133.130	006	Aroclor 1254	EPA 8082 A	PA
133.130	007	Aroclor 1260	EPA 8082 A	PA
133.220	001	2,4-D	EPA 8151 A	PA
133.220	002	2,4-DB	EPA 8151 A	PA
133.220	003	2,4,5-TP (Silvex)	EPA 8151 A	PA
133.220	004	2,4,5-T	EPA 8151 A	PA

133.220	005	Dalapon	EPA 8151 A	PA
133.220	006	Dicamba	EPA 8151 A	PA
133.220	007	Dichloroprop	EPA 8151 A	PA
133.220	008	Dinoseb	EPA 8151 A	PA
133.220	009	MCPA	EPA 8151 A	PA
133.220	010	MCPP	EPA 8151 A	PA
133.220	012	Pentachlorophenol	EPA 8151 A	PA
133.240	001	Acenaphthene	EPA 8270 E	PA
133.240	002	Acenaphthylene	EPA 8270 E	PA
133.240	003	Aniline	EPA 8270 E	PA
133.240	004	Anthracene	EPA 8270 E	PA
133.240	005	Benzidine	EPA 8270 E	PA
133.240	006	Benzoic Acid	EPA 8270 E	PA
133.240	007	Benzo(a)anthracene	EPA 8270 E	PA
133.240	008	Benzo(b)fluoranthene	EPA 8270 E	PA
133.240	009	Benzo(k)fluoranthene	EPA 8270 E	PA
133.240	010	Benzo(g,h,i)perylene	EPA 8270 E	PA
133.240	011	Benzo(a)pyrene	EPA 8270 E	PA
133.240	012	Benzyl Alcohol	EPA 8270 E	PA
133.240	013	Bis(2-chloroethoxy) Methane	EPA 8270 E	PA
133.240	014	Bis(2-chloroethyl) Ether	EPA 8270 E	PA
133.240	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 E	PA
133.240	016	Butyl Benzyl Phthalate	EPA 8270 E	PA
133.240	017	Chrysene	EPA 8270 E	PA
133.240	018	Dibenz(a,h)anthracene	EPA 8270 E	PA
133.240	019	Dibenzofuran	EPA 8270 E	PA
133.240	020	Di-n-butyl Phthalate	EPA 8270 E	PA
133.240	021	Diethyl Phthalate	EPA 8270 E	PA
133.240	022	Dimethyl Phthalate	EPA 8270 E	PA
133.240	023	Di-n-octyl Phthalate	EPA 8270 E	PA
133.240	024	Fluoranthene	EPA 8270 E	PA
133.240	025	Fluorene	EPA 8270 E	PA
133.240	026	Naphthalene	EPA 8270 E	PA
133.240	027	Nitrobenzene	EPA 8270 E	PA
133.240	028	Pentachlorobenzene	EPA 8270 E	PA
133.240	029	Pentachlorophenol	EPA 8270 E	PA
133.240	030	1-Chloronaphthalene	EPA 8270 E	PA
133.240	031	1,2-Dichlorobenzene	EPA 8270 E	PA
133.240	032	1,3-Dichlorobenzene	EPA 8270 E	PA
133.240	033	1,4-Dichlorobenzene	EPA 8270 E	PA
133.240	034	2-Chloronaphthalene	EPA 8270 E	PA
133.240	035	2-Chlorophenol	EPA 8270 E	PA

133.240	036	2,4-Dichlorophenol	EPA 8270 E	PA
133.240	037	2,4-Dimethylphenol	EPA 8270 E	PA
133.240	038	2,4-Dinitrophenol	EPA 8270 E	PA
133.240	039	2,4-Dinitrotoluene	EPA 8270 E	PA
133.240	040	2,6-Dichlorophenol	EPA 8270 E	PA
133.240	041	2,6-Dinitrotoluene	EPA 8270 E	PA
133.240	042	2-Nitroaniline	EPA 8270 E	PA
133.240	043	2-Nitrophenol	EPA 8270 E	PA
133.240	044	3-Nitroaniline	EPA 8270 E	PA
133.240	045	3,3'-Dichlorobenzidine	EPA 8270 E	PA
133.240	046	4-Chloroaniline	EPA 8270 E	PA
133.240	047	4-Chloro-3-methylphenol	EPA 8270 E	PA
133.240	048	4-Bromophenyl Phenyl Ether	EPA 8270 E	PA
133.240	049	4-Chlorophenyl Phenyl Ether	EPA 8270 E	PA
133.240	050	4-Nitroaniline	EPA 8270 E	PA
133.240	051	4-Nitrophenol	EPA 8270 E	PA
133.240	076	Parathion Ethyl	EPA 8270 E	PA
133.240	077	Parathion Methyl	EPA 8270 E	PA
133.240	078	Phorate	EPA 8270 E	PA
133.240	087	N-nitrosodiethylamine	EPA 8270 E	PA
133.240	088	N-nitrosodimethylamine	EPA 8270 E	PA
133.240	089	N-nitrosodiphenylamine	EPA 8270 E	PA
133.240	090	N-nitroso-di-n-propylamine	EPA 8270 E	PA
133.240	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 E	PA
133.240	092	Isophorone	EPA 8270 E	PA
133.240	093	2-Methylnaphthalene	EPA 8270 E	PA
133.240	094	Phenanthrene	EPA 8270 E	PA
133.267	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A	PA
133.267	002	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A	PA
133.267	003	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	PA
133.267	004	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	PA
133.267	005	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	PA
133.267	006	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A	PA
133.267	007	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290 A	PA
133.267	008	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 8290 A	PA
133.267	009	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	PA
133.267	010	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	PA
133.267	011	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	PA
133.267	012	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	PA
133.267	013	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	PA
133.267	014	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	PA
133.267	015	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	PA

133.267	016	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	PA
133.267	017	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290 A	PA
133.267	018	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A	PA
133.267	019	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A	PA
133.267	020	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	PA
133.267	021	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A	PA
133.267	022	Total Tetrachlorodibenzofuran (TCDF)	EPA 8290 A	PA
133.267	023	Total Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	PA
133.267	024	Total Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	PA
133.267	025	Total Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	PA
133.280	001	Acetaldehyde	EPA 8315 A	PA
133.280	010	Formaldehyde	EPA 8315 A	PA
133.310	001	Aldicarb (Temik)	EPA 8318 A	PA
133.310	002	Aldicarb Sulfone	EPA 8318 A	PA
133.310	003	Carbaryl (Sevin)	EPA 8318 A	PA
133.310	004	Carbofuran (Furadan)	EPA 8318 A	PA
133.310	006	3-Hydroxycarbofuran	EPA 8318 A	PA
133.310	007	Methiocarb (Mesurol)	EPA 8318 A	PA
133.310	008	Methomyl (Lannate)	EPA 8318 A	PA
133.310	009	Oxamyl	EPA 8318 A	PA
133.310	011	Propoxur (Baygon)	EPA 8318 A	PA
133.380	001	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	DoD QSM Version 5.1 (or newer)	DOD
133.380	002	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	003	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	004	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	DoD QSM Version 5.1 (or newer)	DOD
133.380	005	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	DoD QSM Version 5.1 (or newer)	DOD
133.380	006	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	DoD QSM Version 5.1 (or newer)	DOD
133.380	007	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid	DoD QSM Version 5.1 (or newer)	DOD
133.380	008	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	DoD QSM Version 5.1 (or newer)	DOD
133.380	009	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	010	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	011	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	012	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	013	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	014	Perfluorobutanoic Acid (PFBA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	015	Perfluorobutane Sulfonic Acid (PFBS)	DoD QSM Version 5.1 (or newer)	DOD
133.380	016	Perfluorodecanoic Acid (PFDA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	017	Perfluorododecanoic Acid (PFDoA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	018	Perfluorodecane Sulfonic Acid (PFDS)	DoD QSM Version 5.1 (or newer)	DOD
133.380	019	Perfluoroheptanoic Acid (PFHpA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	020	Perfluoroheptane Sulfonic Acid (PFHpS)	DoD QSM Version 5.1 (or newer)	DOD
133.380	021	Perfluorohexane Sulfonic Acid (PFHxS)	DoD QSM Version 5.1 (or newer)	DOD

133.380	022	Perfluorohexanoic Acid (PFHxA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	023	Perfluorononanoic Acid (PFNA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	024	Perfluorooctanoic Acid (PFOA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	025	Perfluorooctane Sulfonic Acid (PFOS)	DoD QSM Version 5.1 (or newer)	DOD
133.380	026	Perfluorooctane Sulfonamide (PFOSAm)	DoD QSM Version 5.1 (or newer)	DOD
133.380	027	Perfluoropentanoic Acid (PFPeA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	028	Perfluoropentane Sulfonic Acid (PFPeS)	DoD QSM Version 5.1 (or newer)	DOD
133.380	029	Perfluorotetradecanoic Acid (PFTDA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	030	Perfluorotridecanoic Acid (PFTrDA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	031	Perfluoroundecanoic Acid (PFUnDA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	032	10:2 Fluorotelomer Sulfonic Acid (10:2 FTS)	DoD QSM Version 5.1 (or newer)	DOD
133.380	033	Perfluorohexadecanoic Acid (PFHxDA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	034	Perfluorononane Sulfonic Acid (PFNS)	DoD QSM Version 5.1 (or newer)	DOD
133.380	035	Perfluorooctadecanoic Acid (PFODA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	036	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	037	2H,2H,3H,3H-Perfluorohexanoic Acid (3:3 FTCA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	038	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	039	Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	040	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	041	Perfluoro-3-methoxypropanoic acid (PFMPA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	042	Perfluoro-4-methoxybutanoic acid (PFMBA)	DoD QSM Version 5.1 (or newer)	DOD





# Oregon Environmental Laboratory Accreditation Program



NELAP Recognized

**Weck Laboratories, Inc.**

**4047**

14859 Clark Avenue

City of Industry, CA 91745

IS GRANTED APPROVAL BY ORELAP UNDER THE 2016 TNi STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

Air	Drinking Water	Non-Potable Water	Solids and Chemical Waste	Tissue
	Chemistry	Chemistry	Chemistry	

AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTICAL TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN OREGON.

Travis Bartholomew  
Oregon State Public Health Laboratory  
ORELAP Program Manager  
7202 NE Evergreen Parkway, Suite 100  
Hillsboro, OR 97124

EFFECTIVE DATE : 1/28/2022  
EXPIRATION DATE : 1/29/2023  
Certificate No : 4047 - 009







# OREGON

## Environmental Laboratory Accreditation Program

### ORELAP Fields of Accreditation



Weck Laboratories, Inc.

14859 Clark Avenue  
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**ORELAP ID: 4047**

**EPA CODE: CA00211**

**Certificate: 4047 - 009**

Issue Date: 1/28/2022 Expiration Date: 1/29/2023

**As of 1/28/2022 this list supersedes all previous lists for this certificate number.**

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
<b>Drinking Water</b>					
	EPA 1613B			10120602	Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS
		9618	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)		
	EPA 180.1 2			10011800	Turbidity - Nephelometric
		2055	Turbidity		
	EPA 200.7 4.4			10013806	ICP - metals
		1000	Aluminum		
		1010	Arsenic		
		1015	Barium		
		1020	Beryllium		
		1025	Boron		
		1030	Cadmium		
		1035	Calcium		
		1034	Cerium		
		1040	Chromium		
		1050	Cobalt		
		1055	Copper		
		1760	Hardness (calc.)		
		1070	Iron		
		1075	Lead		
		1080	Lithium		
		1085	Magnesium		
		1090	Manganese		
		1100	Molybdenum		
		1105	Nickel		
		1910	Phosphorus, total		
		1125	Potassium		
		1990	Silica as SiO2		
		1145	Silicon		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		1150	Silver		
		1155	Sodium		
		1160	Strontium		
		1175	Tin		
		1180	Titanium		
		1185	Vanadium		
		1190	Zinc		
EPA 200.8	5.4			10014605	Metals by ICP-MS
		1000	Aluminum		
		1005	Antimony		
		1010	Arsenic		
		1015	Barium		
		1020	Beryllium		
		1023	Bismuth		
		1025	Boron		
		1030	Cadmium		
		1040	Chromium		
		1050	Cobalt		
		1055	Copper		
		1760	Hardness (calc.)		
		1070	Iron		
		1075	Lead		
		1090	Manganese		
		1100	Molybdenum		
		1105	Nickel		
		1125	Potassium		
		1140	Selenium		
		1150	Silver		
		1160	Strontium		
		1165	Thallium		
		1170	Thorium		
		1175	Tin		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		1180	Titanium		
		1184	Uranium (mass)		
		1185	Vanadium		
		1190	Zinc		
EPA 218.6	3.3			10028009	Dissolved Hexavalent Chromium by Ion Chromatography
		1045	Chromium VI		
EPA 218.7	1			10268414	Determination of Hexavalent Chromium in Drinking Water by Ion Chromatography with Post-column Derivatization and UV-VIS Spectroscopic Determination
		1045	Chromium VI		
EPA 245.1	3			10036609	Mercury by Cold Vapor Atomic Absorption
		1095	Mercury		
EPA 300.0	2.1			10053200	Methods for the Determination of Inorganic Substances in Environmental Samples
		1540	Bromide		
		1575	Chloride		
		1730	Fluoride		
		1810	Nitrate as N		
		1820	Nitrate plus Nitrite as N		
		1840	Nitrite as N		
		2000	Sulfate		
EPA 300.1	1.0			10275602	Determination of Inorganic Anions in Drinking Water by Ion Chromatography
		1535	Bromate		
		1540	Bromide		
		1570	Chlorate		
		1595	Chlorite		
EPA 314.0				10277006	Perchlorate in Drinking Water by Ion Chromatography
		1895	Perchlorate		
EPA 331.0	1.0			10059708	Determination of Perchlorate in Drinking Water by Liquid Chromatography Electrospray Mass Spectrometry (LC/ESI/MS)
		1895	Perchlorate		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
	EPA 335.4 1.0			10061402	Methods for the Determination of Inorganic Substances in Environmental Samples
		1645	Total cyanide		
	EPA 353.2 2			10067604	Nitrate/Nitrite Nitrogen - Automated, Cadmium
		1810	Nitrate as N		
		1820	Nitrate plus Nitrite as N		
		1840	Nitrite as N		
		1825	Total nitrate+nitrite		
	EPA 365.1 2			10070005	Phosphorous - Colorimetric, Automated persulfate
		1870	Orthophosphate as P		
	EPA 415.3 1.2			10239222	Determination of Total Organic Carbon and Specific UV Absorbance at 254 nm in Source Water and Drinking Water
		1710	Dissolved organic carbon (DOC)		
		2040	Total organic carbon		
		2060	UV 254		
	EPA 504.1 1.1			10082801	EDB/DBCP/TCP micro-extraction, GC/ECD
		4570	1,2-Dibromo-3-chloropropane (DBCP)		
		4585	1,2-Dibromoethane (EDB, Ethylene dibromide)		
	EPA 508 3.1			10085208	Chlorinated Pesticides in Water by GC/ECD
		7355	4,4'-DDD		
		7360	4,4'-DDE		
		7365	4,4'-DDT		
		7025	Aldrin		
		7110	alpha-BHC (alpha-Hexachlorocyclohexane)		
		8880	Aroclor-1016 (PCB-1016)		
		8885	Aroclor-1221 (PCB-1221)		
		8890	Aroclor-1232 (PCB-1232)		
		8895	Aroclor-1242 (PCB-1242)		
		8900	Aroclor-1248 (PCB-1248)		
		8905	Aroclor-1254 (PCB-1254)		
		8910	Aroclor-1260 (PCB-1260)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		7115	beta-BHC (beta-Hexachlorocyclohexane)		
		7250	Chlordane (tech.)		
		7310	Chlorthalonil (Daconil)		
		7240	cis-chlordane (alpha-Chlordane)		
		7105	delta-BHC		
		7470	Dieldrin		
		7510	Endosulfan I		
		7515	Endosulfan II		
		7520	Endosulfan sulfate		
		7540	Endrin		
		7530	Endrin aldehyde		
		7535	Endrin ketone		
		7120	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)		
		7245	gamma-Chlordane		
		7685	Heptachlor		
		7690	Heptachlor epoxide		
		6275	Hexachlorobenzene		
		6285	Hexachlorocyclopentadiene		
		7810	Methoxychlor		
		8870	PCBs		
		8045	Propachlor (Ramrod)		
		8250	Toxaphene (Chlorinated camphene)		
EPA 508.1 2				10086405	Chlorinated Pesticides, Herbicides, and Organohalides, liquid/solid extraction by GC/ECD
		7355	4,4'-DDD		
		7360	4,4'-DDE		
		7365	4,4'-DDT		
		7025	Aldrin		
		7110	alpha-BHC (alpha-Hexachlorocyclohexane)		
		8880	Aroclor-1016 (PCB-1016)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		8885	Aroclor-1221 (PCB-1221)		
		8890	Aroclor-1232 (PCB-1232)		
		8895	Aroclor-1242 (PCB-1242)		
		8900	Aroclor-1248 (PCB-1248)		
		8905	Aroclor-1254 (PCB-1254)		
		8910	Aroclor-1260 (PCB-1260)		
		8912	Aroclor-1262 (PCB-1262)		
		7115	beta-BHC (beta-Hexachlorocyclohexane)		
		7250	Chlordane (tech.)		
		7240	cis-chlordane (alpha-Chlordane)		
		7105	delta-BHC		
		7470	Dieldrin		
		7510	Endosulfan I		
		7515	Endosulfan II		
		7520	Endosulfan sulfate		
		7540	Endrin		
		7530	Endrin aldehyde		
		7535	Endrin ketone		
		7120	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)		
		7245	gamma-Chlordane		
		7685	Heptachlor		
		7690	Heptachlor epoxide		
		6275	Hexachlorobenzene		
		6285	Hexachlorocyclopentadiene		
		7810	Methoxychlor		
		8872	PCB Aroclor Identification		
		8045	Propachlor (Ramrod)		
		8250	Toxaphene (Chlorinated camphene)		
		8295	Trifluralin (Treflan)		
EPA 515.4 1				10088503	Chlorinated acids Liquid/Solid and GC/ECD
		8655	2,4,5-T		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		8545	2,4-D		
		8560	2,4-DB		
		8600	3,5-Dichlorobenzoic acid		
		8505	Acifluorfen		
		8530	Bentazon		
		8550	Dacthal (DCPA)		
		7347	Dacthal Acid Metabolites		
		8555	Dalapon		
		8570	DCPA di acid degradate		
		8565	DCPA mono-acid		
		8595	Dicamba		
		8605	Dichloroprop (Dichlorprop)		
		8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)		
		6605	Pentachlorophenol		
		8645	Picloram		
		8650	Silvex (2,4,5-TP)		
EPA 522 1				10088570	1,4-Dioxane in Drinking Water by SPE and GC/MS SIM
		4735	1,4-Dioxane (1,4- Diethyleneoxide)		
EPA 524.2 4.1				10088809	Volatile Organic Compounds GC/MS Capillary Column
		5105	1,1,1,2-Tetrachloroethane		
		5185	1,1,1-Trichloro-2,2,2-trifluoroethane (Freon 113a)		
		5160	1,1,1-Trichloroethane		
		5110	1,1,2,2-Tetrachloroethane		
		5195	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		
		5165	1,1,2-Trichloroethane		
		7450	1,1-Dichloro-2-propanone		
		4630	1,1-Dichloroethane		
		4640	1,1-Dichloroethylene		
		4670	1,1-Dichloropropene		
		5150	1,2,3-Trichlorobenzene		





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**EPA CODE: CA00211**

**Certificate: 4047 - 009**

Issue Date: 1/28/2022 Expiration Date: 1/29/2023

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		5180	1,2,3-Trichloropropane		
		5155	1,2,4-Trichlorobenzene		
		5210	1,2,4-Trimethylbenzene		
		4610	1,2-Dichlorobenzene		
		4635	1,2-Dichloroethane (Ethylene dichloride)		
		4655	1,2-Dichloropropane		
		6800	1,3,5-Trichlorobenzene		
		5215	1,3,5-Trimethylbenzene		
		4615	1,3-Dichlorobenzene		
		4660	1,3-Dichloropropane		
		4620	1,4-Dichlorobenzene		
		4480	1-Chlorobutane		
		4510	1-Chlorohexane		
		4665	2,2-Dichloropropane		
		4410	2-Butanone (Methyl ethyl ketone, MEK)		
		4500	2-Chloroethyl vinyl ether		
		4535	2-Chlorotoluene		
		4860	2-Hexanone (MBK)		
		5020	2-Nitropropane		
		4536	4-Bromofluorobenzene		
		4540	4-Chlorotoluene		
		4910	4-Isopropyltoluene (p-Cymene)		
		4995	4-Methyl-2-pentanone (MIBK)		
		4315	Acetone		
		4325	Acrolein (Propenal)		
		4340	Acrylonitrile		
		4355	Allyl chloride (3-Chloropropene)		
		4375	Benzene		
		4385	Bromobenzene		
		4390	Bromochloromethane		
		4395	Bromodichloromethane		



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Matrix Reference	Analyte Code	Analyte	Method Code	Description
	4397	Bromoethane (Ethyl Bromide)		
	4400	Bromoform		
	4450	Carbon disulfide		
	4455	Carbon tetrachloride		
	4470	Chloroacetonitrile		
	4475	Chlorobenzene		
	4575	Chlorodibromomethane		
	4485	Chloroethane (Ethyl chloride)		
	4505	Chloroform		
	4705	cis & trans-1,2-Dichloroethene		
	4645	cis-1,2-Dichloroethylene		
	4680	cis-1,3-Dichloropropene		
	4600	cis-1,4-Dichloro-2-butene		
	4555	Cyclohexane		
	4595	Dibromomethane (Methylene bromide)		
	4625	Dichlorodifluoromethane (Freon-12)		
	4725	Diethyl ether		
	9375	Di-isopropylether (DIPE)		
	4810	Ethyl methacrylate		
	4765	Ethylbenzene		
	4770	Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)		
	4835	Hexachlorobutadiene		
	4840	Hexachloroethane		
	4870	Iodomethane (Methyl iodide)		
	4900	Isopropylbenzene (Cumene)		
	5240	m+p-xylene		
	4925	Methacrylonitrile		
	4940	Methyl acetate		
	4945	Methyl acrylate		
	4950	Methyl bromide (Bromomethane)		
	4960	Methyl chloride (Chloromethane)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4990	Methyl methacrylate		
		5000	Methyl tert-butyl ether (MTBE)		
		4965	Methylcyclohexane		
		4975	Methylene chloride (Dichloromethane)		
		5245	m-Xylene		
		5005	Naphthalene		
		4435	n-Butylbenzene		
		5015	Nitrobenzene		
		5090	n-Propylbenzene		
		5250	o-Xylene		
		5035	Pentachloroethane		
		5080	Propionitrile (Ethyl cyanide)		
		5255	p-Xylene		
		4440	sec-Butylbenzene		
		5100	Styrene		
		4370	T-amylmethylether (TAME)		
		4420	tert-Butyl alcohol		
		4445	tert-Butylbenzene		
		5115	Tetrachloroethylene (Perchloroethylene)		
		5120	Tetrahydrofuran (THF)		
		5140	Toluene		
		5205	Total trihalomethanes		
		4700	trans-1,2-Dichloroethylene		
		4685	trans-1,3-Dichloropropylene		
		4605	trans-1,4-Dichloro-2-butene		
		5170	Trichloroethene (Trichloroethylene)		
		5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)		
		5225	Vinyl acetate		
		5235	Vinyl chloride		
		5260	Xylene (total)		

EPA 524.3

10089302 EPA Method 524.3



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4570	1,2-Dibromo-3-chloropropane (DBCP)		
		4585	1,2-Dibromoethane (EDB, Ethylene dibromide)		
EPA 524.4	1.0			10089335	Measurement of Purgeable Organic Compounds in Water by Gas Chromatography/Mass Spectrometry Using Nitrogen Purge Gas
		5105	1,1,1,2-Tetrachloroethane		
		5160	1,1,1-Trichloroethane		
		5110	1,1,2,2-Tetrachloroethane		
		5165	1,1,2-Trichloroethane		
		4630	1,1-Dichloroethane		
		4640	1,1-Dichloroethylene		
		4670	1,1-Dichloropropene		
		5150	1,2,3-Trichlorobenzene		
		5180	1,2,3-Trichloropropane		
		5155	1,2,4-Trichlorobenzene		
		5210	1,2,4-Trimethylbenzene		
		4610	1,2-Dichlorobenzene		
		4635	1,2-Dichloroethane (Ethylene dichloride)		
		4655	1,2-Dichloropropane		
		9318	1,3-Butadiene		
		4615	1,3-Dichlorobenzene		
		4660	1,3-Dichloropropane		
		4620	1,4-Dichlorobenzene		
		4477	1-Chloro-1,2,2-trifluoroethane (Freon 133)		
		4480	1-Chlorobutane		
		4535	2-Chlorotoluene		
		4540	4-Chlorotoluene		
		4910	4-Isopropyltoluene (p-Cymene)		
		4355	Allyl chloride (3-Chloropropene)		
		4375	Benzene		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4385	Bromobenzene		
		4390	Bromochloromethane		
		4395	Bromodichloromethane		
		4400	Bromoform		
		4450	Carbon disulfide		
		4455	Carbon tetrachloride		
		4475	Chlorobenzene		
		4575	Chlorodibromomethane		
		4505	Chloroform		
		4705	cis & trans-1,2-Dichloroethene		
		4645	cis-1,2-Dichloroethylene		
		4680	cis-1,3-Dichloropropene		
		4595	Dibromomethane (Methylene bromide)		
		4625	Dichlorodifluoromethane (Freon-12)		
		4725	Diethyl ether		
		9375	Di-isopropylether (DIPE)		
		4810	Ethyl methacrylate		
		4765	Ethylbenzene		
		4770	Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)		
		4835	Hexachlorobutadiene		
		4840	Hexachloroethane		
		4870	Iodomethane (Methyl iodide)		
		4900	Isopropylbenzene (Cumene)		
		4940	Methyl acetate		
		4950	Methyl bromide (Bromomethane)		
		4960	Methyl chloride (Chloromethane)		
		5000	Methyl tert-butyl ether (MTBE)		
		4975	Methylene chloride (Dichloromethane)		
		5245	m-Xylene		
		5005	Naphthalene		
		4435	n-Butylbenzene		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		5090	n-Propylbenzene		
		5250	o-Xylene		
		5035	Pentachloroethane		
		5255	p-Xylene		
		4440	sec-Butylbenzene		
		5100	Styrene		
		4370	T-amylmethylether (TAME)		
		4369	tert-Amyl ethyl ether (TAEE)		
		4420	tert-Butyl alcohol		
		4445	tert-Butylbenzene		
		5115	Tetrachloroethylene (Perchloroethylene)		
		5120	Tetrahydrofuran (THF)		
		4685	trans-1,3-Dichloropropylene		
		5170	Trichloroethene (Trichloroethylene)		
		5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)		
		5235	Vinyl chloride		
EPA 525.2 2				10090003	Semi-Volatile by SPE extraction and GC/MS
		6185	2,4-Dinitrotoluene (2,4-DNT)		
		6190	2,6-Dinitrotoluene (2,6-DNT)		
		7355	4,4'-DDD		
		7360	4,4'-DDE		
		7365	4,4'-DDT		
		5500	Acenaphthene		
		5505	Acenaphthylene		
		4310	Acetochlor		
		7005	Alachlor		
		7025	Aldrin		
		7110	alpha-BHC (alpha-Hexachlorocyclohexane)		
		7035	Ametryn		
		5555	Anthracene		



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Matrix Reference	Analyte Code	Analyte	Method Code	Description
	8880	Aroclor-1016 (PCB-1016)		
	8885	Aroclor-1221 (PCB-1221)		
	8890	Aroclor-1232 (PCB-1232)		
	8895	Aroclor-1242 (PCB-1242)		
	8900	Aroclor-1248 (PCB-1248)		
	8905	Aroclor-1254 (PCB-1254)		
	8910	Aroclor-1260 (PCB-1260)		
	7060	Atraton		
	7065	Atrazine		
	5575	Benzo(a)anthracene		
	5580	Benzo(a)pyrene		
	5590	Benzo(g,h,i)perylene		
	5600	Benzo(k)fluoranthene		
	5585	Benzo[b]fluoranthene		
	7115	beta-BHC (beta-Hexachlorocyclohexane)		
	6062	bis(2-Ethylhexyl)adipate		
	7130	Bromacil		
	7160	Butachlor		
	5670	Butyl benzyl phthalate		
	7275	Chloroprotham		
	7310	Chlorthalonil (Daconil)		
	5855	Chrysene		
	7240	cis-chlordane (alpha-Chlordane)		
	7340	Cyanazine		
	7105	delta-BHC		
	6065	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)		
	7410	Diazinon		
	5895	Dibenz(a,h) anthracene		
	7470	Dieldrin		
	6070	Diethyl phthalate		
	6135	Dimethyl phthalate		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		5925	Di-n-butyl phthalate		
		6200	Di-n-octyl phthalate		
		7500	Diphenamid		
		8625	Disulfoton		
		7510	Endosulfan I		
		7515	Endosulfan II		
		7520	Endosulfan sulfate		
		7540	Endrin		
		7530	Endrin aldehyde		
		7535	Endrin ketone		
		7555	EPTC (Eptam, s-ethyl-dipropyl thio carbamate)		
		6265	Fluoranthene		
		6270	Fluorene		
		7120	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)		
		7245	gamma-Chlordane		
		7685	Heptachlor		
		7690	Heptachlor epoxide		
		6275	Hexachlorobenzene		
		6285	Hexachlorocyclopentadiene		
		6315	Indeno(1,2,3-cd) pyrene		
		7810	Methoxychlor		
		7835	Metolachlor		
		7845	Metribuzin		
		7875	Molinate		
		5005	Naphthalene		
		6440	Napropamide		
		9537	Pebulate		
		6605	Pentachlorophenol		
		6615	Phenanthrene		
		8035	Prometon		
		8040	Prometryn		





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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		8045	Propachlor (Ramrod)		
		8060	Propazine		
		6665	Pyrene		
		8125	Simazine		
		8130	Simetryn		
		8180	Terbacil		
		8220	Thiobencarb		
		7910	trans-Nonachlor		
		8295	Trifluralin (Treflan)		
EPA 531.2 1				10091302	Carbamate Pesticides by Post-column Derivitization HPLC/Fluorescence
		7710	3-Hydroxycarbofuran		
		7010	Aldicarb (Temik)		
		7015	Aldicarb sulfone		
		7020	Aldicarb sulfoxide		
		7195	Carbaryl (Sevin)		
		7205	Carbofuran (Furaden)		
		7800	Methiocarb (Mesuro)		
		7805	Methomyl (Lannate)		
		7940	Oxamyl		
		8080	Propoxur (Baygon)		
EPA 533				10091619	Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Istopie Dilution Anion Exchange Soid Phase Extraction and Liquid Chromotography/Tandem Mass Spectrometry
		9490	11-chloreicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		
		6948	1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)		
		6946	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)		
		6947	1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6951	4,8-Dioxa-3H-perfluorononanoic acid (DONA)		
		6952	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)		
		9460	Hexafluoropropylene oxide dimer acid (HFPO-DA)		
		6956	Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)		
		6957	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)		
		6965	Perfluoro-3-methoxypropanoic acid (PFMPA)		
		6966	Perfluoro-4-methoxybutanoic acid (PFMBA)		
		6918	Perfluorobutane sulfonic acid (PFBS)		
		6915	Perfluorobutanoic acid (PFBA)		
		6905	Perfluorodecanoic acid (PFDA)		
		6903	Perfluorododecanoic acid (PFDoA)		
		9470	Perfluoroheptane sulfonic acid (PFHpS)		
		6908	Perfluoroheptanoic acid (PFHpA)		
		6927	Perfluorohexane sulfonic acid (PFHxS)		
		6913	Perfluorohexanoic acid (PFHxA)		
		6906	Perfluorononanoic acid (PFNA)		
		6931	Perfluorooctane sulfonic acid (PFOS)		
		6912	Perfluorooctanoic acid (PFOA)		
		6934	Perfluoropentane sulfonic acid (PFPeS)		
		6914	Perfluoropentanoic acid (PFPeA)		
		6904	Perfluoroundecanoic acid (PFUnA)		
EPA 537.1	1.0			10091642	Per- and Polyfluorinated Alkyl Substances in Drinking Water by LC/MS/MS
		9490	11-chloreicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		
		6951	4,8-Dioxa-3H-perfluorononanoic acid (DONA)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6952	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)		
		9460	Hexafluoropropylene oxide dimer acid (HFPO-DA)		
		4846	N-Ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		
		4847	N-Methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)		
		6911	Perfluorobutane Sulfonate (PFBS)		
		6918	Perfluorobutane sulfonic acid (PFBS)		
		6905	Perfluorodecanoic acid (PFDA)		
		6903	Perfluorododecanoic acid (PFDoA)		
		6908	Perfluoroheptanoic acid (PFHpA)		
		6927	Perfluorohexane sulfonic acid (PFHxS)		
		6913	Perfluorohexanoic acid (PFHxA)		
		6906	Perfluorononanoic acid (PFNA)		
		6931	Perfluorooctane sulfonic acid (PFOS)		
		6912	Perfluorooctanoic acid (PFOA)		
		6902	Perfluorotetradecanoic acid (PFTDA)		
		9563	Perfluorotridecanoic acid (PFTrDA)		
		6904	Perfluoroundecanoic acid (PFUnA)		
EPA 547				10092009	Glyphosate by Direct Aqueous Injection by Post-column Derivatization and HPLC/Fluorescence
		9411	Glyphosate		
EPA 548.1 1				10092805	Endothall by Ion Exchange, Methylation and GC/MS
		7525	Endothall		
EPA 549.2 1				10093400	Diquat/Paraquat by Liquid/Liquid Extraction and HPLC/UV-VIS
		9390	Diquat		
		9528	Paraquat		
EPA 551.1 1				10094801	Chlorination Disinfection Byproducts, Liquid/Liquid Extraction and GC/ECD
		5190	1,1,1-Trichloro-2-propanone		
		7450	1,1-Dichloro-2-propanone		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		7140	Bromochloroacetonitrile		
		4460	Chloral hydrate		
		7270	Chloropicrin		
		7420	Dibromoacetonitrile		
		7440	Dichloroacetonitrile		
		8270	Trichloroacetonitrile		
EPA 552.3	1			10239608	Haloacetic Acid/Dalapon, Microextraction, Derivitization and GC/ECD
		9312	Bromoacetic acid		
		9315	Bromochloroacetic acid		
		8535	Bromodichloroacetic acid(BDCAA)		
		9336	Chloroacetic acid		
		9339	Chlorodibromoacetic acid(CDBAA)		
		9357	Dibromoacetic acid		
		9360	Dichloroacetic acid		
		9414	Total haloacetic acids		
		9639	Tribromoacetic acid (TBAA)		
		9642	Trichloroacetic acid		
EPA 555	1			10096807	Chlorinated Acids by HPLC/UV-VIS
		8655	2,4,5-T		
		8545	2,4-D		
		8560	2,4-DB		
		8530	Bentazon		
		8605	Dichloroprop (Dichlorprop)		
		8650	Silvex (2,4,5-TP)		
EPA 632				10108608	Carbamate and Urea Pesticides by Liquid/Liquid Extraction and HPLC/UV-VIS
		7505	Diuron		
OIA 1677				60031405	Available Cyanide by FIA, Ligand Exchange and Amperometry
		1523	Available Cyanide		
SM 2120 B				20039014	Color - Visual Comparison Method
22nd Ed		1521	Apparent Color		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
	SM 2320 B-97 1997	1505	Alkalinity as CaCO3	20045607	Alkalinity by Titration Method
	SM 2330 B 20th Ed	1615	Corrosivity	20003309	Calcium Carbonate Indices
	SM 2510 B-97 1997	1610	Conductivity	20048606	Conductivity by Probe
	SM 2540 C-97 1997	1955	Residue-filterable (TDS)	20050402	Total Dissolved Solids Dried at 180C
	SM 4500-Cl G-2000 online	1945	Residual free chlorine	20081612	Chlorine (Residual) by DPD Colorimetric Determination
		1940	Total residual chlorine		
	SM 4500- ClO2 D 20th ED	1590	Chlorine dioxide, res. disinfectant	20088806	Chlorine Dioxide by DPD Method
	SM 4500-H+ B-2000 online	1900	pH	20105219	pH Value by Electrometric Method .
	SM 5310 B- 2000	1710	Dissolved organic carbon (DOC)	20137819	Total Organic Carbon (TOC) by Combustion Infra-red Method
		2040	Total organic carbon		
	SM 5540 C- 2000	2025	Surfactants - MBAS	20145055	Surfactants - Anionic Surfactants as MBAS
	Weck EPA 1694 Isotope Dilution 4.0	5675	Caffeine	60009689	WECK Labs - Pharmaceuticals and Personal Care Products by Isotope Dilution HPLC/MS/MS

## Non-Potable Water



# OREGON

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
	ASTM D7065-06			30032918	Nonylphenol by GC/MS
		6513	4-Nonylphenol		
		9466	4-Nonylphenol diethoxylate		
		6512	4-tert-Octylphenol		
		9301	Bisphenol A		
		9592	Nonyl phenol monoethoxylate		
	ASTM D7511-12			30033024	Standard Test Method for Total Cyanide by Segmented Flow Injection Analysis, In-line Ultraviolet Digestion and Amperometric Detecti
		1645	Total cyanide		
	DoD/DoE QSM Table B-15			90000451	DoD/DoE - PFAS using LC/MS/MS Isotope Dilution or IS Quantification
		9462	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonate		
		6951	4,8-Dioxa-3H-perfluorononanoic acid (DONA)		
		9437	4:2 Fluorotelomer sulfonate (4:2FTS)		
		6457	6:2 Fluorotelomersulfonate (6:2FTS)		
		6461	8:2 Fluorotelomersulfonate (8:2FTS)		
		6952	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)		
		7044	Ammonium Perfluorooctanoate (APFO)		
		9460	Hexafluoropropylene oxide dimer acid (HFPO-DA)		
		9395	N-Ethylperfluorooctane sulfonamide (EtFOSAm)		
		9431	N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)		
		4846	N-Ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		
		4847	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)		
		6949	N-Methylperfluorooctane sulfonamido		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			ethanol (MeFOSE)		
		9433	N-Methylperfluorooctanesulfonamide (MeFOSA)		
		6911	Perfluorobutane Sulfonate (PFBS)		
		6918	Perfluorobutane sulfonic acid (PFBS)		
		6915	Perfluorobutanoic acid (PFBA)		
		9562	Perfluorodecane Sulfonate (PFDS)		
		6905	Perfluorodecanoic acid (PFDA)		
		6903	Perfluorododecanoic acid (PFDoA)		
		9470	Perfluoroheptane sulfonic acid (PFHpS)		
		6908	Perfluoroheptanoic acid (PFHpA)		
		6901	Perfluorohexadecanoic acid (PFHxDA)		
		6910	Perfluorohexane sulfonate (PFHxS)		
		6927	Perfluorohexane sulfonic acid (PFHxS)		
		6913	Perfluorohexanoic acid (PFHxA)		
		9464	Perfluorononane sulfonate (PFNS)		
		6906	Perfluorononanoic acid (PFNA)		
		6916	Perfluorooctadecanoic acid (PFODA)		
		6917	Perfluorooctane sulfonamide (PFOSAm)		
		6909	Perfluorooctane sulfonate (PFOS)		
		6931	Perfluorooctane sulfonic acid (PFOS)		
		6912	Perfluorooctanoic acid (PFOA)		
		9467	Perfluoropentane Sulfonate (PFPeS)		
		6914	Perfluoropentanoic acid (PFPeA)		
		6902	Perfluorotetradecanoic acid (PFTDA)		
		9563	Perfluorotridecanoic acid (PFTrDA)		
		6904	Perfluoroundecanoic acid (PFUnA)		
EPA 160.4				10010409	Total Volatile Solids, ignition @ 550 C.
		1970	Residue-volatile		
		2070	Volatile suspended solids		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4075	Vol. residue, density, water & solids content of coatings		
EPA 1613B				10120602	Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS
		9516	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		
		9519	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		
		9420	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)		
		9426	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)		
		9423	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)		
		9471	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)		
		9453	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)		
		9474	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)		
		9456	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)		
		9477	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)		
		9459	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)		
		9543	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)		
		9540	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)		
		9480	2,3,4,6,7,8-Hexachlorodibenzofuran		
		9549	2,3,4,7,8-Pentachlorodibenzofuran		
		9618	2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)		
		9612	2,3,7,8-Tetrachlorodibenzofuran		
		9438	Hpcdd, total		
		9444	Hpcdf, total		





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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9468	Hxcdd, total		
		9483	Hxcdf, total		
		9555	Pecdd, total		
		9552	Pecdf, total		
		9609	TCDD, total		
		9615	TCDF, total		
EPA 1625B				10237000	Semivolatile Organic Compounds by Isotope Dilution GC/MS
		6525	n-Nitrosodiethylamine		
		6530	n-Nitrosodimethylamine		
		5025	n-Nitroso-di-n-butylamine		
		6545	n-Nitrosodi-n-propylamine		
		6550	n-Nitrosomethylethylamine		
		6565	n-Nitrosopyrrolidine		
EPA 1631E				10237204	Mercury in Water by Oxidation, Purge & Trap, and Cold Vapor Atomic Fluorescence
		1095	Mercury		
EPA 1640				10124400	Trace Elements by Chelation Preconcentration and ICP/MS
		1010	Arsenic		
		1030	Cadmium		
		1055	Copper		
		1075	Lead		
		1105	Nickel		
		1150	Silver		
		1190	Zinc		
EPA 1664B				10261617	N-Hexane Extractable Material (Oil and Grease) by Extraction and Gravimetry
		1803	n-Hexane Extractable Material (O&G)		
		1860	Oil & Grease		
		2050	Total Petroleum Hydrocarbons (TPH)		
EPA 1664B (SGT-HEM)				10260628	Silica Gel Treated n-Hexane Extractable Material (Oil & Grease)
		1803	n-Hexane Extractable Material (O&G)		
		1860	Oil & Grease		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		2050	Total Petroleum Hydrocarbons (TPH)		
EPA 1666A				10128208	Volatile Organic Compounds Specific to the Pharmaceutical Manufacturing Industry by Isotope Dilution Gas Chromatography/Mass Spectrometry
		4995	4-Methyl-2-pentanone (MIBK)		
		4403	Butyl acetate		
		4755	Ethyl acetate		
		4880	Isobutyraldehyde		
		4890	Isopropyl acetate		
		4895	Isopropyl alcohol (2-Propanol, Isopropanol)		
		5240	m+p-xylene		
		4980	Methyl formate		
		4360	n-Amyl acetate		
		4825	n-Heptane		
		4855	n-Hexane		
		5250	o-Xylene		
		5120	Tetrahydrofuran (THF)		
		5260	Xylene (total)		
EPA 180.1 2				10011800	Turbidity - Nephelometric
		2055	Turbidity		
EPA 200.7 4.4				10013806	ICP - metals
		1000	Aluminum		
		1005	Antimony		
		1010	Arsenic		
		1015	Barium		
		1020	Beryllium		
		1025	Boron		
		1030	Cadmium		
		1035	Calcium		
		1034	Cerium		
		1040	Chromium		
		1050	Cobalt		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		1055	Copper		
		1760	Hardness (calc.)		
		1070	Iron		
		1075	Lead		
		1080	Lithium		
		1085	Magnesium		
		1090	Manganese		
		1100	Molybdenum		
		1105	Nickel		
		1910	Phosphorus, total		
		1125	Potassium		
		1140	Selenium		
		1990	Silica as SiO2		
		1145	Silicon		
		1150	Silver		
		1155	Sodium		
		1160	Strontium		
		1165	Thallium		
		1175	Tin		
		1180	Titanium		
		1185	Vanadium		
		1190	Zinc		
EPA 200.8	5.4			10014605	Metals by ICP-MS
		1000	Aluminum		
		1005	Antimony		
		1010	Arsenic		
		1015	Barium		
		1020	Beryllium		
		1023	Bismuth		
		1025	Boron		
		1030	Cadmium		
		1035	Calcium		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		1040	Chromium		
		1050	Cobalt		
		1055	Copper		
		1760	Hardness (calc.)		
		1070	Iron		
		1075	Lead		
		1080	Lithium		
		1085	Magnesium		
		1090	Manganese		
		1100	Molybdenum		
		1105	Nickel		
		1125	Potassium		
		1140	Selenium		
		1150	Silver		
		1155	Sodium		
		1160	Strontium		
		1165	Thallium		
		1170	Thorium		
		1175	Tin		
		1180	Titanium		
		1184	Uranium (mass)		
		1185	Vanadium		
		1190	Zinc		
EPA 218.6	3.3			10028009	Dissolved Hexavalent Chromium by Ion Chromatography
		1045	Chromium VI		
EPA 218.7	1			10268414	Determination of Hexavalent Chromium in Drinking Water by Ion Chromatography with Post-column Derivatization and UV-VIS Spectroscopic Determination
		1045	Chromium VI		
EPA 245.1	3			10036609	Mercury by Cold Vapor Atomic Absorption
		1095	Mercury		
EPA 300.0	2.1			10053200	Methods for the Determination of Inorganic Substances in Environmental Samples



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		1540	Bromide		
		1575	Chloride		
		1730	Fluoride		
		1810	Nitrate as N		
		1820	Nitrate plus Nitrite as N		
		1840	Nitrite as N		
		2000	Sulfate		
EPA 300.1	1.0			10275602	Determination of Inorganic Anions in Drinking Water by Ion Chromatography
		1535	Bromate		
		1540	Bromide		
		1570	Chlorate		
		1595	Chlorite		
EPA 335.4	1.0			10061402	Methods for the Determination of Inorganic Substances in Environmental Samples
		1645	Total cyanide		
EPA 350.1	2			10063602	Ammonia Nitrogen - Colorimetric, Auto Phenate
		1515	Ammonia as N		
EPA 351.2	2			10065404	Total Kjeldahl Nitrogen - Block Digest, Phenate
		1795	Total Kjeldahl Nitrogen (TKN)		
		1795	Total Kjeldahl Nitrogen (TKN)		
EPA 353.2	2			10067604	Nitrate/Nitrite Nitrogen - Automated, Cadmium
		1810	Nitrate as N		
		1820	Nitrate plus Nitrite as N		
		1840	Nitrite as N		
		1825	Total nitrate+nitrite		
EPA 365.1	2			10070005	Phosphorous - Colorimetric, Automated persulfate
		1870	Orthophosphate as P		
		1910	Phosphorus, total		
EPA 365.3				10070801	Phosphorous - Colorimetric, two reagent.
		1870	Orthophosphate as P		
		1910	Phosphorus, total		
EPA 410.4	2			10077404	Chemical Oxygen Demand - Colorimetric, Automated.



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		1565	Chemical oxygen demand		
EPA 420.4				10080203	Phenolics, Total Recoverable by Semi-Automated Colorimetry
		1905	Total phenolics		
EPA 6010B				10155609	ICP - AES
		1000	Aluminum		
		1005	Antimony		
		1010	Arsenic		
		1015	Barium		
		1020	Beryllium		
		1025	Boron		
		1030	Cadmium		
		1035	Calcium		
		1040	Chromium		
		1050	Cobalt		
		1055	Copper		
		1760	Hardness (calc.)		
		1070	Iron		
		1075	Lead		
		1080	Lithium		
		1085	Magnesium		
		1090	Manganese		
		1100	Molybdenum		
		1105	Nickel		
		1910	Phosphorus, total		
		1125	Potassium		
		1140	Selenium		
		1990	Silica as SiO <sub>2</sub>		
		1145	Silicon		
		1150	Silver		
		1155	Sodium		
		1160	Strontium		
		1165	Thallium		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		1175	Tin		
		1180	Titanium		
		1185	Vanadium		
		1190	Zinc		
EPA 6020				10156000	Inductively Coupled Plasma-Mass Spectrometry
		1000	Aluminum		
		1005	Antimony		
		1010	Arsenic		
		1015	Barium		
		1020	Beryllium		
		1025	Boron		
		1030	Cadmium		
		1035	Calcium		
		1040	Chromium		
		1050	Cobalt		
		1055	Copper		
		1070	Iron		
		1075	Lead		
		1085	Magnesium		
		1090	Manganese		
		1100	Molybdenum		
		1105	Nickel		
		1125	Potassium		
		1140	Selenium		
		1150	Silver		
		1155	Sodium		
		1160	Strontium		
		1165	Thallium		
		1170	Thorium		
		1175	Tin		
		1180	Titanium		
		1184	Uranium (mass)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		1185	Vanadium		
		1190	Zinc		
		1192	Zirconium		
EPA 608.3				10296614	Organochlorine Pesticides and PCBs by GC/ECD
	GC-ECD				
		7355	4,4'-DDD		
		7360	4,4'-DDE		
		7365	4,4'-DDT		
		7005	Alachlor		
		7025	Aldrin		
		7110	alpha-BHC (alpha-Hexachlorocyclohexane)		
		8880	Aroclor-1016 (PCB-1016)		
		8885	Aroclor-1221 (PCB-1221)		
		8890	Aroclor-1232 (PCB-1232)		
		8895	Aroclor-1242 (PCB-1242)		
		8900	Aroclor-1248 (PCB-1248)		
		8905	Aroclor-1254 (PCB-1254)		
		8910	Aroclor-1260 (PCB-1260)		
		8912	Aroclor-1262 (PCB-1262)		
		7115	beta-BHC (beta-Hexachlorocyclohexane)		
		7250	Chlordane (tech.)		
		7310	Chlorthalonil (Daconil)		
		7240	cis-chlordane (alpha-Chlordane)		
		7105	delta-BHC		
		7470	Dieldrin		
		7510	Endosulfan I		
		7515	Endosulfan II		
		7520	Endosulfan sulfate		
		7540	Endrin		
		7530	Endrin aldehyde		
		7120	gamma-BHC (Lindane, gamma-		





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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			HexachlorocyclohexanE)		
		7245	gamma-Chlordane		
		7685	Heptachlor		
		7690	Heptachlor epoxide		
		7810	Methoxychlor		
		7870	Mirex		
		8870	PCBs		
		8250	Toxaphene (Chlorinated camphene)		
EPA 615				10105609	Chlorinated Herbicides by Liquid/Liquid Extraction, Derivatization and GC/ECD
		8655	2,4,5-T		
		8545	2,4-D		
		8560	2,4-DB		
		8595	Dicamba		
		8605	Dichloroprop (Dichlorprop)		
		8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)		
		7775	MCPA		
		7780	MCPP		
		8650	Silvex (2,4,5-TP)		
EPA 624.1				10298121	Purgeables by GC/MS
		5105	1,1,1,2-Tetrachloroethane		
		5195	1,1,1-Trichloro-2,2,2-trifluoroethane (Freon 113a)		
		5190	1,1,1-Trichloro-2-propanone		
		5160	1,1,1-Trichloroethane		
		5110	1,1,2,2-Tetrachloroethane		
		5185	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		
		5165	1,1,2-Trichloroethane		
		4630	1,1-Dichloroethane		
		4640	1,1-Dichloroethylene		
		4670	1,1-Dichloropropene		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		5150	1,2,3-Trichlorobenzene		
		5180	1,2,3-Trichloropropane		
		5182	1,2,3-Trimethylbenzene		
		5155	1,2,4-Trichlorobenzene		
		5210	1,2,4-Trimethylbenzene		
		4570	1,2-Dibromo-3-chloropropane (DBCP)		
		4585	1,2-Dibromoethane (EDB, Ethylene dibromide)		
		4695	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)		
		4610	1,2-Dichlorobenzene		
		4635	1,2-Dichloroethane (Ethylene dichloride)		
		4655	1,2-Dichloropropane		
		6800	1,3,5-Trichlorobenzene		
		5215	1,3,5-Trimethylbenzene		
		9318	1,3-Butadiene		
		4690	1,3-Dichloro-2-propanol		
		4615	1,3-Dichlorobenzene		
		4660	1,3-Dichloropropane		
		4675	1,3-Dichloropropene		
		4620	1,4-Dichlorobenzene		
		5222	2,2-Dichloro-1,1,1-trifluoroethane (Freon 123)		
		4665	2,2-Dichloropropane		
		4668	2,3-Dichloropropene		
		4410	2-Butanone (Methyl ethyl ketone, MEK)		
		4412	2-Chloro-2-methylbutane (tert-Amyl chloride)		
		4500	2-Chloroethyl vinyl ether		
		4535	2-Chlorotoluene		
		4860	2-Hexanone (MBK)		
		4540	4-Chlorotoluene		
		4910	4-Isopropyltoluene (p-Cymene)		



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**Certificate: 4047 - 009**

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4995	4-Methyl-2-pentanone (MIBK)		
		4315	Acetone		
		4320	Acetonitrile		
		4325	Acrolein (Propenal)		
		4340	Acrylonitrile		
		4375	Benzene		
		4385	Bromobenzene		
		4390	Bromochloromethane		
		4395	Bromodichloromethane		
		4400	Bromoform		
		4450	Carbon disulfide		
		4455	Carbon tetrachloride		
		4475	Chlorobenzene		
		4575	Chlorodibromomethane		
		4505	Chloroform		
		4705	cis & trans-1,2-Dichloroethene		
		4645	cis-1,2-Dichloroethylene		
		4680	cis-1,3-Dichloropropene		
		4595	Dibromomethane (Methylene bromide)		
		4625	Dichlorodifluoromethane (Freon-12)		
		4627	Dichlorofluoromethane (Freon 21)		
		9375	Di-isopropylether (DIPE)		
		4745	Epichlorohydrin (1-Chloro-2,3-epoxypropane)		
		4750	Ethanol		
		4765	Ethylbenzene		
		4770	Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)		
		4900	Isopropylbenzene (Cumene)		
		5240	m+p-xylene		
		4950	Methyl bromide (Bromomethane)		
		4960	Methyl chloride (Chloromethane)		
		5000	Methyl tert-butyl ether (MTBE)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4975	Methylene chloride (Dichloromethane)		
		5245	m-Xylene		
		5005	Naphthalene		
		4435	n-Butylbenzene		
		5090	n-Propylbenzene		
		5250	o-Xylene		
		4440	sec-Butylbenzene		
		5100	Styrene		
		4370	T-amylmethylether (TAME)		
		4420	tert-Butyl alcohol		
		4445	tert-Butylbenzene		
		5115	Tetrachloroethylene (Perchloroethylene)		
		5120	Tetrahydrofuran (THF)		
		5140	Toluene		
		5205	Total trihalomethanes		
		4700	trans-1,2-Dichloroethylene		
		4685	trans-1,3-Dichloropropylene		
		5170	Trichloroethene (Trichloroethylene)		
		5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)		
		5225	Vinyl acetate		
		5235	Vinyl chloride		
		5260	Xylene (total)		
EPA 625.1				10300024	Base/Neutrals and Acids by GC/MS
		6703	1,1'-Biphenyl (BZ-0)		
		6705	1,2,3,4-Tetrachlorobenzene		
		5150	1,2,3-Trichlorobenzene		
		6715	1,2,4,5-Tetrachlorobenzene		
		5155	1,2,4-Trichlorobenzene		
		4610	1,2-Dichlorobenzene		
		6155	1,2-Dinitrobenzene		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6220	1,2-Diphenylhydrazine		
		4615	1,3-Dichlorobenzene		
		6160	1,3-Dinitrobenzene (1,3-DNB)		
		4620	1,4-Dichlorobenzene		
		6165	1,4-Dinitrobenzene		
		4735	1,4-Dioxane (1,4- Diethyleneoxide)		
		5790	1-Chloronaphthalene		
		6380	1-Methylnaphthalene		
		4659	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether		
		4659	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether		
		6735	2,3,4,6-Tetrachlorophenol		
		6738	2,3,4-Trichlorophenol		
		6835	2,4,5-Trichlorophenol		
		6840	2,4,6-Trichlorophenol		
		6000	2,4-Dichlorophenol		
		6130	2,4-Dimethylphenol		
		6175	2,4-Dinitrophenol		
		6185	2,4-Dinitrotoluene (2,4-DNT)		
		6005	2,6-Dichlorophenol		
		6190	2,6-Dinitrotoluene (2,6-DNT)		
		5795	2-Chloronaphthalene		
		5800	2-Chlorophenol		
		6360	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)		
		6385	2-Methylnaphthalene		
		6400	2-Methylphenol (o-Cresol)		
		6460	2-Nitroaniline		
		6490	2-Nitrophenol		
		6412	3 & 4 Methylphenol		
		5945	3,3'-Dichlorobenzidine		
		6405	3-Methylphenol (m-Cresol)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6465	3-Nitroaniline		
		7355	4,4'-DDD		
		7360	4,4'-DDE		
		7365	4,4'-DDT		
		5660	4-Bromophenyl phenyl ether (BDE-3)		
		5853	4-Chloro-2-methylphenol		
		5700	4-Chloro-3-methylphenol		
		5745	4-Chloroaniline		
		5805	4-Chlorophenol		
		5825	4-Chlorophenyl phenylether		
		6410	4-Methylphenol (p-Cresol)		
		6470	4-Nitroaniline		
		6500	4-Nitrophenol		
		5500	Acenaphthene		
		5505	Acenaphthylene		
		7025	Aldrin		
		7110	alpha-BHC (alpha-Hexachlorocyclohexane)		
		5545	Aniline		
		5555	Anthracene		
		7065	Atrazine		
		5562	Azobenzene		
		5595	Benzidine		
		5575	Benzo(a)anthracene		
		5580	Benzo(a)pyrene		
		5590	Benzo(g,h,i)perylene		
		9309	Benzo(j)fluoranthene		
		5600	Benzo(k)fluoranthene		
		5585	Benzo[b]fluoranthene		
		5587	Benzofluoranthene		
		5610	Benzoic acid		
		5630	Benzyl alcohol		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		7115	beta-BHC (beta-Hexachlorocyclohexane)		
		5760	bis(2-Chloroethoxy)methane		
		5765	bis(2-Chloroethyl) ether		
		6062	bis(2-Ethylhexyl)adipate		
		5670	Butyl benzyl phthalate		
		7180	Caprolactam		
		5680	Carbazole		
		5855	Chrysene		
		5862	Cresols, Total		
		7105	delta-BHC		
		6065	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)		
		5895	Dibenz(a,h) anthracene		
		5905	Dibenzofuran		
		7470	Dieldrin		
		6070	Diethyl phthalate		
		6135	Dimethyl phthalate		
		5925	Di-n-butyl phthalate		
		6200	Di-n-octyl phthalate		
		7510	Endosulfan I		
		7520	Endosulfan sulfate		
		7540	Endrin		
		7530	Endrin aldehyde		
		6265	Fluoranthene		
		6270	Fluorene		
		7120	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)		
		7685	Heptachlor		
		7690	Heptachlor epoxide		
		6275	Hexachlorobenzene		
		4835	Hexachlorobutadiene		
		6285	Hexachlorocyclopentadiene		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4840	Hexachloroethane		
		6315	Indeno(1,2,3-cd) pyrene		
		6320	Isophorone		
		7810	Methoxychlor		
		5005	Naphthalene		
		5015	Nitrobenzene		
		6525	n-Nitrosodiethylamine		
		6530	n-Nitrosodimethylamine		
		5025	n-Nitroso-di-n-butylamine		
		6545	n-Nitrosodi-n-propylamine		
		6535	n-Nitrosodiphenylamine		
		6550	n-Nitrosomethylethylamine		
		6555	n-Nitrosomorpholine		
		6560	n-Nitrosopiperidine		
		6565	n-Nitrosopyrrolidine		
		6590	Pentachlorobenzene		
		6605	Pentachlorophenol		
		6608	Perylene		
		6615	Phenanthrene		
		6625	Phenol		
		6665	Pyrene		
		5095	Pyridine		
		5200	Triethylamine		
EPA 625.1				10300035	Base/Neutrals and Acids by GC/MS-SIM
SIM					
		6703	1,1'-Biphenyl (BZ-0)		
		6705	1,2,3,4-Tetrachlorobenzene		
		6715	1,2,4,5-Tetrachlorobenzene		
		5155	1,2,4-Trichlorobenzene		
		4610	1,2-Dichlorobenzene		
		6155	1,2-Dinitrobenzene		
		6220	1,2-Diphenylhydrazine		





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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6885	1,3,5-Trinitrobenzene (1,3,5-TNB)		
		4615	1,3-Dichlorobenzene		
		6160	1,3-Dinitrobenzene (1,3-DNB)		
		4620	1,4-Dichlorobenzene		
		6165	1,4-Dinitrobenzene		
		4735	1,4-Dioxane (1,4- Diethyleneoxide)		
		6420	1,4-Naphthoquinone		
		6630	1,4-Phenylenediamine		
		5790	1-Chloronaphthalene		
		6380	1-Methylnaphthalene		
		9501	1-Methylphenanthrene		
		6425	1-Naphthylamine		
		4659	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether		
		4659	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether		
		6735	2,3,4,6-Tetrachlorophenol		
		6738	2,3,4-Trichlorophenol		
		6740	2,3,5,6-Tetrachlorophenol		
		6742	2,3,5-Trichlorophenol		
		6830	2,3,6-Trichlorophenol (4C)		
		9363	2,3-Dichloroaniline		
		5983	2,3-Dichlorophenol		
		6014	2,3-Dinitrotoluene		
		6835	2,4,5-Trichlorophenol		
		6840	2,4,6-Trichlorophenol		
		5880	2,4-Diaminotoluene		
		6000	2,4-Dichlorophenol		
		6130	2,4-Dimethylphenol		
		6175	2,4-Dinitrophenol		
		6185	2,4-Dinitrotoluene (2,4-DNT)		
		5992	2,5-Dichlorophenol		
		6180	2,5-Dinitrophenol		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6183	2,6-Diaminotoluene		
		6005	2,6-Dichlorophenol		
		6190	2,6-Dinitrotoluene (2,6-DNT)		
		5515	2-Acetylaminofluorene		
		5795	2-Chloronaphthalene		
		5800	2-Chlorophenol		
		6360	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)		
		5145	2-Methylaniline (o-Toluidine)		
		6385	2-Methylnaphthalene		
		6400	2-Methylphenol (o-Cresol)		
		6430	2-Naphthylamine		
		6460	2-Nitroaniline		
		6490	2-Nitrophenol		
		6692	2-Terphenyl		
		6412	3 & 4 Methylphenol		
		5945	3,3'-Dichlorobenzidine		
		6120	3,3'-Dimethylbenzidine		
		6818	3,4,5-Trichlorophenol		
		5997	3,4-Dichlorophenol		
		4742	3-Chlorophenol		
		6355	3-Methylcholanthrene		
		6405	3-Methylphenol (m-Cresol)		
		6465	3-Nitroaniline		
		7355	4,4'-DDD		
		7360	4,4'-DDE		
		7365	4,4'-DDT		
		5540	4-Aminobiphenyl		
		5660	4-Bromophenyl phenyl ether (BDE-3)		
		5853	4-Chloro-2-methylphenol		
		5700	4-Chloro-3-methylphenol		
		5745	4-Chloroaniline		



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Matrix Reference	Analyte Code	Analyte	Method Code	Description
	5805	4-Chlorophenol		
	5825	4-Chlorophenyl phenylether		
	6105	4-Dimethyl aminoazobenzene		
	6410	4-Methylphenol (p-Cresol)		
	6470	4-Nitroaniline		
	6500	4-Nitrophenol		
	6572	6-Chloro-3-methylphenol		
	6115	7,12-Dimethylbenz(a) anthracene		
	5500	Acenaphthene		
	5505	Acenaphthylene		
	5510	Acetophenone		
	4330	Acrylamide		
	7010	Aldicarb (Temik)		
	7025	Aldrin		
	7110	alpha-BHC (alpha-Hexachlorocyclohexane)		
	6700	alpha-Terpineol		
	5545	Aniline		
	5555	Anthracene		
	7065	Atrazine		
	5562	Azobenzene		
	5565	Benzal chloride		
	5570	Benzaldehyde		
	5595	Benzidine		
	5575	Benzo(a)anthracene		
	5580	Benzo(a)pyrene		
	5590	Benzo(g,h,i)perylene		
	9309	Benzo(j)fluoranthene		
	5600	Benzo(k)fluoranthene		
	5585	Benzo[b]fluoranthene		
	5587	Benzo[fluoranthene		
	5610	Benzoic acid		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		5630	Benzyl alcohol		
		7115	beta-BHC (beta-Hexachlorocyclohexane)		
		5760	bis(2-Chloroethoxy)methane		
		5765	bis(2-Chloroethyl) ether		
		6062	bis(2-Ethylhexyl)adipate		
		5670	Butyl benzyl phthalate		
		5680	Carbazole		
		7205	Carbofuran (Furaden)		
		7210	Carbofuran phenol		
		7250	Chlordane (tech.)		
		7260	Chlorobenzilate		
		5855	Chrysene		
		7240	cis-chlordane (alpha-Chlordane)		
		8906	Coelution - 3-Chlorophenol + 4-Chlorophenol		
		5862	Cresols, Total		
		7105	delta-BHC		
		6065	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)		
		7405	Diallate		
		9354	Dibenz(a, h) acridine		
		5900	Dibenz(a, j) acridine		
		5895	Dibenz(a,h) anthracene		
		9348	Dibenzo(a, h) pyrene		
		9351	Dibenzo(a, i) pyrene		
		5890	Dibenzo(a,e) pyrene		
		5905	Dibenzofuran		
		4625	Dichlorodifluoromethane (Freon-12)		
		7470	Dieldrin		
		6070	Diethyl phthalate		
		7475	Dimethoate		
		6135	Dimethyl phthalate		



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Matrix Reference	Analyte Code	Analyte	Method Code	Description
	5925	Di-n-butyl phthalate		
	6200	Di-n-octyl phthalate		
	8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)		
	6210	Diphenyl ether (Diphenyl Oxide)		
	6205	Diphenylamine		
	8625	Disulfoton		
	7510	Endosulfan I		
	7515	Endosulfan II		
	7520	Endosulfan sulfate		
	7540	Endrin		
	7530	Endrin aldehyde		
	7535	Endrin ketone		
	6260	Ethyl methanesulfonate		
	7580	Famphur		
	6265	Fluoranthene		
	6270	Fluorene		
	7120	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)		
	7245	gamma-Chlordane		
	7650	Garlon (Triclopyr)		
	7685	Heptachlor		
	7690	Heptachlor epoxide		
	6275	Hexachlorobenzene		
	4835	Hexachlorobutadiene		
	6285	Hexachlorocyclopentadiene		
	4840	Hexachloroethane		
	6290	Hexachlorophene		
	6295	Hexachloropropene		
	6312	Indene		
	6315	Indeno(1,2,3-cd) pyrene		
	7725	Isodrin		
	6320	Isophorone		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6325	Isosafrole		
		7740	Kepone		
		6345	Methapyrilene		
		7810	Methoxychlor		
		4960	Methyl chloride (Chloromethane)		
		6375	Methyl methanesulfonate		
		7825	Methyl parathion (Parathion, methyl)		
		5005	Naphthalene		
		5875	n-Decane		
		6230	n-Docosane		
		6235	n-Dodecane		
		6240	n-Eicosane		
		6300	n-Hexadecane		
		5015	Nitrobenzene		
		6525	n-Nitrosodiethylamine		
		6530	n-Nitrosodimethylamine		
		5025	n-Nitroso-di-n-butylamine		
		6545	n-Nitrosodi-n-propylamine		
		6535	n-Nitrosodiphenylamine		
		6550	n-Nitrosomethylethylamine		
		6560	n-Nitrosopiperidine		
		6565	n-Nitrosopyrrolidine		
		6580	n-Octadecane		
		6745	n-Tetradecane		
		8290	o,o,o-Triethyl phosphorothioate		
		5553	Octachlorostyrene		
		7955	Parathion, ethyl		
		6590	Pentachlorobenzene		
		5035	Pentachloroethane		
		6600	Pentachloronitrobenzene		
		6605	Pentachlorophenol		
		6608	Perylene		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6610	Phenacetin		
		6615	Phenanthrene		
		6625	Phenol		
		7985	Phorate		
		6640	Phthalic anhydride		
		6650	Pronamide (Kerb)		
		6665	Pyrene		
		5095	Pyridine		
		6685	Safrole		
		8200	Tetrachlorvinphos (Stirophos, Gardona) Z-isomer		
		8235	Thionazin (Zinophos)		
		8250	Toxaphene (Chlorinated camphene)		
		5200	Triethylamine		
EPA 632				10108608	Carbamate and Urea Pesticides by Liquid/Liquid Extraction and HPLC/UV-VIS
		7505	Diuron		
EPA 7199				10163005	Determination of Hexavalent Chromium in Drinking Water, Groundwater and Industrial Wastewater Effluents by Ion Chromatography
		1045	Chromium VI		
EPA 7470A				10165807	Mercury in Liquid Waste by Cold Vapor Atomic Absorption
		1095	Mercury		
EPA 7471A				10166208	Mercury in Solid Waste by Cold Vapor Atomic Absorption
		1095	Mercury		
EPA 8015B				10173601	Non-halogenated organics using GC/FID
		9369	Diesel range organics (DRO)		
		4750	Ethanol		
		4785	Ethylene glycol		
		4875	Isobutyl alcohol (2-Methyl-1-propanol)		
		4895	Isopropyl alcohol (2-Propanol, Isopropanol)		
		9488	Jet Fuel		
		9409	Kerosene		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4930	Methanol		
		9410	Mineral Spirits		
		9499	Motor Oil		
		4425	n-Butyl alcohol (1-Butanol, n-Butanol)		
		5055	n-Propanol		
		6657	Propylene Glycol		
		2050	Total Petroleum Hydrocarbons (TPH)		
EPA 8081A				10178606	Organochlorine Pesticides by GC/ECD
		8580	2,4'-DDD		
		8585	2,4'-DDE		
		8590	2,4'-DDT		
		7355	4,4'-DDD		
		7360	4,4'-DDE		
		7365	4,4'-DDT		
		7025	Aldrin		
		7110	alpha-BHC (alpha-Hexachlorocyclohexane)		
		7115	beta-BHC (beta-Hexachlorocyclohexane)		
		7250	Chlordane (tech.)		
		7310	Chlorthalonil (Daconil)		
		7240	cis-chlordane (alpha-Chlordane)		
		7925	cis-Nonachlor		
		8550	Dacthal (DCPA)		
		7105	delta-BHC		
		7470	Dieldrin		
		7510	Endosulfan I		
		7515	Endosulfan II		
		7520	Endosulfan sulfate		
		7540	Endrin		
		7530	Endrin aldehyde		
		7535	Endrin ketone		





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Matrix Reference	Analyte Code	Analyte	Method Code	Description
	7120	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)		
	7245	gamma-Chlordane		
	7685	Heptachlor		
	7690	Heptachlor epoxide		
	7740	Kepone		
	7810	Methoxychlor		
	7870	Mirex		
	3890	Oxychlordane		
	8045	Propachlor (Ramrod)		
	8250	Toxaphene (Chlorinated camphene)		
	7910	trans-Nonachlor		
	8295	Trifluralin (Treflan)		
EPA 8082			10179007	Polychlorinated Biphenyls (PCBs) by GC/ECD
	8880	Aroclor-1016 (PCB-1016)		
	8885	Aroclor-1221 (PCB-1221)		
	8890	Aroclor-1232 (PCB-1232)		
	8895	Aroclor-1242 (PCB-1242)		
	8900	Aroclor-1248 (PCB-1248)		
	8905	Aroclor-1254 (PCB-1254)		
	8910	Aroclor-1260 (PCB-1260)		
EPA 8141A			10182000	Organophosphorous Pesticides by GC/NPD
	7075	Azinphos-methyl (Guthion)		
	7125	Bolstar (Sulprofos)		
	7300	Chlorpyrifos		
	7315	Coumaphos		
	7395	Demeton-o		
	7385	Demeton-s		
	7410	Diazinon		
	8610	Dichlorovos (DDVP, Dichlorvos)		
	7475	Dimethoate		
	8625	Disulfoton		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		7565	Ethion		
		7570	Ethoprop		
		7600	Fensulfothion		
		7605	Fenthion		
		7770	Malathion		
		7785	Merphos		
		7825	Methyl parathion (Parathion, methyl)		
		7850	Mevinphos		
		7905	Naled		
		7955	Parathion, ethyl		
		7985	Phorate		
		8110	Ronnel		
		8200	Tetrachlorvinphos (Stirophos, Gardona) Z-isomer		
		8235	Thionazin (Zinophos)		
		8245	Tokuthion (Prothiophos)		
		8275	Trichloronate		
EPA 8151A				10183207	Chlorinated Herbicides by GC/ECD
		8655	2,4,5-T		
		8545	2,4-D		
		8560	2,4-DB		
		8600	3,5-Dichlorobenzoic acid		
		8505	Acifluorfen		
		8530	Bentazon		
		8550	Dacthal (DCPA)		
		8555	Dalapon		
		8595	Dicamba		
		8605	Dichloroprop (Dichlorprop)		
		8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)		
		7775	MCPA		
		7780	MCPP		
		6605	Pentachlorophenol		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		8645	Picloram		
		8650	Silvex (2,4,5-TP)		
EPA 8260B				10184802	Volatile Organic Compounds by purge and trap GC/MS
		5105	1,1,1,2-Tetrachloroethane		
		5160	1,1,1-Trichloroethane		
		5110	1,1,2,2-Tetrachloroethane		
		5165	1,1,2-Trichloroethane		
		4630	1,1-Dichloroethane		
		4640	1,1-Dichloroethylene		
		4670	1,1-Dichloropropene		
		5150	1,2,3-Trichlorobenzene		
		5180	1,2,3-Trichloropropane		
		5155	1,2,4-Trichlorobenzene		
		5210	1,2,4-Trimethylbenzene		
		4570	1,2-Dibromo-3-chloropropane (DBCP)		
		4585	1,2-Dibromoethane (EDB, Ethylene dibromide)		
		4610	1,2-Dichlorobenzene		
		4635	1,2-Dichloroethane (Ethylene dichloride)		
		4655	1,2-Dichloropropane		
		5215	1,3,5-Trimethylbenzene		
		4615	1,3-Dichlorobenzene		
		4660	1,3-Dichloropropane		
		4675	1,3-Dichloropropene		
		4620	1,4-Dichlorobenzene		
		4665	2,2-Dichloropropane		
		4410	2-Butanone (Methyl ethyl ketone, MEK)		
		4500	2-Chloroethyl vinyl ether		
		4535	2-Chlorotoluene		
		4860	2-Hexanone (MBK)		
		4540	4-Chlorotoluene		
		4910	4-Isopropyltoluene (p-Cymene)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4995	4-Methyl-2-pentanone (MIBK)		
		4315	Acetone		
		4320	Acetonitrile		
		4325	Acrolein (Propenal)		
		4340	Acrylonitrile		
		4355	Allyl chloride (3-Chloropropene)		
		4375	Benzene		
		4385	Bromobenzene		
		4390	Bromochloromethane		
		4395	Bromodichloromethane		
		4397	Bromoethane (Ethyl Bromide)		
		4400	Bromoform		
		4450	Carbon disulfide		
		4455	Carbon tetrachloride		
		4475	Chlorobenzene		
		4575	Chlorodibromomethane		
		4505	Chloroform		
		4525	Chloroprene (2-Chloro-1,3-butadiene)		
		4705	cis & trans-1,2-Dichloroethene		
		4645	cis-1,2-Dichloroethylene		
		4680	cis-1,3-Dichloropropene		
		4595	Dibromomethane (Methylene bromide)		
		4625	Dichlorodifluoromethane (Freon-12)		
		9375	Di-isopropylether (DIPE)		
		4750	Ethanol		
		4755	Ethyl acetate		
		4810	Ethyl methacrylate		
		4765	Ethylbenzene		
		4770	Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)		
		4870	Iodomethane (Methyl iodide)		
		4875	Isobutyl alcohol (2-Methyl-1-propanol)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4890	Isopropyl acetate		
		4900	Isopropylbenzene (Cumene)		
		5240	m+p-xylene		
		4925	Methacrylonitrile		
		4950	Methyl bromide (Bromomethane)		
		4960	Methyl chloride (Chloromethane)		
		4990	Methyl methacrylate		
		5000	Methyl tert-butyl ether (MTBE)		
		4975	Methylene chloride (Dichloromethane)		
		4360	n-Amyl acetate		
		5005	Naphthalene		
		4435	n-Butylbenzene		
		5090	n-Propylbenzene		
		5250	o-Xylene		
		5035	Pentachloroethane		
		5080	Propionitrile (Ethyl cyanide)		
		4440	sec-Butylbenzene		
		5100	Styrene		
		4370	T-amylmethylether (TAME)		
		4420	tert-Butyl alcohol		
		4445	tert-Butylbenzene		
		5115	Tetrachloroethylene (Perchloroethylene)		
		5140	Toluene		
		4700	trans-1,2-Dichloroethylene		
		4685	trans-1,3-Dichloropropylene		
		4605	trans-1,4-Dichloro-2-butene		
		5170	Trichloroethene (Trichloroethylene)		
		5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)		
		5225	Vinyl acetate		
		5235	Vinyl chloride		
		5260	Xylene (total)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
	EPA 8270C			10185805	Semivolatile Organic compounds by GC/MS
		6715	1,2,4,5-Tetrachlorobenzene		
		5155	1,2,4-Trichlorobenzene		
		4610	1,2-Dichlorobenzene		
		6220	1,2-Diphenylhydrazine		
		6885	1,3,5-Trinitrobenzene (1,3,5-TNB)		
		4615	1,3-Dichlorobenzene		
		6160	1,3-Dinitrobenzene (1,3-DNB)		
		4620	1,4-Dichlorobenzene		
		6420	1,4-Naphthoquinone		
		6630	1,4-Phenylenediamine		
		6380	1-Methylnaphthalene		
		6425	1-Naphthylamine		
		4659	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether		
		6735	2,3,4,6-Tetrachlorophenol		
		6835	2,4,5-Trichlorophenol		
		6840	2,4,6-Trichlorophenol		
		6000	2,4-Dichlorophenol		
		6130	2,4-Dimethylphenol		
		6175	2,4-Dinitrophenol		
		6185	2,4-Dinitrotoluene (2,4-DNT)		
		6005	2,6-Dichlorophenol		
		6190	2,6-Dinitrotoluene (2,6-DNT)		
		5515	2-Acetylaminofluorene		
		5795	2-Chloronaphthalene		
		5800	2-Chlorophenol		
		6360	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)		
		6385	2-Methylnaphthalene		
		6400	2-Methylphenol (o-Cresol)		
		6430	2-Naphthylamine		
		6460	2-Nitroaniline		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6490	2-Nitrophenol		
		5050	2-Picoline (2-Methylpyridine)		
		6412	3 & 4 Methylphenol		
		5945	3,3'-Dichlorobenzidine		
		6120	3,3'-Dimethylbenzidine		
		6355	3-Methylcholanthrene		
		6465	3-Nitroaniline		
		7355	4,4'-DDD		
		7360	4,4'-DDE		
		7365	4,4'-DDT		
		5540	4-Aminobiphenyl		
		5660	4-Bromophenyl phenyl ether (BDE-3)		
		5700	4-Chloro-3-methylphenol		
		5745	4-Chloroaniline		
		5825	4-Chlorophenyl phenylether		
		6470	4-Nitroaniline		
		6500	4-Nitrophenol		
		6510	4-Nitroquinoline 1-oxide		
		6570	5-Nitro-o-toluidine		
		6115	7,12-Dimethylbenz(a) anthracene		
		6125	a-a-Dimethylphenethylamine		
		5500	Acenaphthene		
		5505	Acenaphthylene		
		5510	Acetophenone		
		7025	Aldrin		
		7110	alpha-BHC (alpha-Hexachlorocyclohexane)		
		5535	Aminoazobenzene		
		5545	Aniline		
		5555	Anthracene		
		5560	Aramite		
		5562	Azobenzene		



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Matrix Reference	Analyte Code	Analyte	Method Code	Description
	5595	Benzidine		
	5575	Benzo(a)anthracene		
	5580	Benzo(a)pyrene		
	5585	Benzo[b]fluoranthene		
	5610	Benzoic acid		
	5630	Benzyl alcohol		
	7115	beta-BHC (beta-Hexachlorocyclohexane)		
	5760	bis(2-Chloroethoxy)methane		
	5765	bis(2-Chloroethyl) ether		
	5670	Butyl benzyl phthalate		
	5680	Carbazole		
	7260	Chlorobenzilate		
	5855	Chrysene		
	7105	delta-BHC		
	6065	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)		
	7405	Diallate		
	5895	Dibenz(a,h) anthracene		
	5905	Dibenzofuran		
	7470	Dieldrin		
	6070	Diethyl phthalate		
	7475	Dimethoate		
	6135	Dimethyl phthalate		
	5925	Di-n-butyl phthalate		
	6200	Di-n-octyl phthalate		
	8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)		
	6205	Diphenylamine		
	8625	Disulfoton		
	7510	Endosulfan I		
	7515	Endosulfan II		
	7520	Endosulfan sulfate		





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Matrix Reference	Analyte Code	Analyte	Method Code	Description
	7540	Endrin		
	7530	Endrin aldehyde		
	6260	Ethyl methanesulfonate		
	7580	Famphur		
	6265	Fluoranthene		
	6270	Fluorene		
	7120	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)		
	7685	Heptachlor		
	7690	Heptachlor epoxide		
	6275	Hexachlorobenzene		
	4835	Hexachlorobutadiene		
	6285	Hexachlorocyclopentadiene		
	4840	Hexachloroethane		
	6290	Hexachlorophene		
	6295	Hexachloropropene		
	6315	Indeno(1,2,3-cd) pyrene		
	7725	Isodrin		
	6320	Isophorone		
	6325	Isosafrole		
	7740	Kepone		
	6345	Methapyrilene		
	7810	Methoxychlor		
	6375	Methyl methanesulfonate		
	7825	Methyl parathion (Parathion, methyl)		
	5005	Naphthalene		
	5015	Nitrobenzene		
	6525	n-Nitrosodiethylamine		
	6530	n-Nitrosodimethylamine		
	5025	n-Nitroso-di-n-butylamine		
	6545	n-Nitrosodi-n-propylamine		
	6535	n-Nitrosodiphenylamine		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6550	n-Nitrosomethylethylamine		
		6555	n-Nitrosomorpholine		
		6560	n-Nitrosopiperidine		
		6565	n-Nitrosopyrrolidine		
		8290	o,o,o-Triethyl phosphorothioate		
		7955	Parathion, ethyl		
		6590	Pentachlorobenzene		
		5035	Pentachloroethane		
		6600	Pentachloronitrobenzene		
		6605	Pentachlorophenol		
		6610	Phenacetin		
		6615	Phenanthrene		
		6625	Phenol		
		7985	Phorate		
		6650	Pronamide (Kerb)		
		6665	Pyrene		
		5095	Pyridine		
		6685	Safrole		
		8155	Sulfotepp		
EPA 8270C				10242407	Semivolatile Organic compounds by GC/MS Selective Ion Monitoring
SIM					
		6380	1-Methylnaphthalene		
		6385	2-Methylnaphthalene		
		5500	Acenaphthene		
		5505	Acenaphthylene		
		5555	Anthracene		
		5575	Benzo(a)anthracene		
		5580	Benzo(a)pyrene		
		5605	Benzo(e)pyrene		
		5590	Benzo(g,h,i)perylene		
		5600	Benzo(k)fluoranthene		
		5585	Benzo[b]fluoranthene		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		5855	Chrysene		
		5895	Dibenz(a,h) anthracene		
		6265	Fluoranthene		
		6270	Fluorene		
		6315	Indeno(1,2,3-cd) pyrene		
		5005	Naphthalene		
		6608	Perylene		
		6615	Phenanthrene		
		6665	Pyrene		
EPA 8315A				10188008	Determination of Carbonyl Compounds by HPLC/UV-VIS
		4300	Acetaldehyde		
		4815	Formaldehyde		
		9525	n-Octaldehyde (Octanal)		
EPA 8316				10188202	Acrylamide, Acrylonitrile and Acrolein by High Performance Liquid Chromatography (HPLC)
		4330	Acrylamide		
EPA 8318				10307605	N-Methylcarbamates by HPLC/UV-VIS
		7710	3-Hydroxycarbofuran		
		7010	Aldicarb (Temik)		
		7015	Aldicarb sulfone		
		7195	Carbaryl (Sevin)		
		7205	Carbofuran (Furaden)		
		7800	Methiocarb (Mesuro)		
		7805	Methomyl (Lannate)		
		7940	Oxamyl		
		8080	Propoxur (Baygon)		
EPA 8321A				10189001	Solvent Extractable non-volatile compounds by HPLC/TS/MS
		8655	2,4,5-T		
		8545	2,4-D		
		8560	2,4-DB		
		7710	3-Hydroxycarbofuran		
		7010	Aldicarb (Temik)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		7015	Aldicarb sulfone		
		7020	Aldicarb sulfoxide		
		7130	Bromacil		
		7195	Carbaryl (Sevin)		
		7205	Carbofuran (Furaden)		
		8595	Dicamba		
		8605	Dichloroprop (Dichlorprop)		
		7505	Diuron		
		7765	Linuron (Lorox)		
		7775	MCPA		
		7780	MCPP		
		7800	Methiocarb (Mesurol)		
		7805	Methomyl (Lannate)		
		7940	Oxamyl		
		8080	Propoxur (Baygon)		
		8650	Silvex (2,4,5-TP)		
EPA 8330A				10190008	Nitroaromatics and Nitramines by High Performance Liquid Chromatography (HPLC)
		6885	1,3,5-Trinitrobenzene (1,3,5-TNB)		
		6160	1,3-Dinitrobenzene (1,3-DNB)		
		9651	2,4,6-Trinitrotoluene (2,4,6-TNT)		
		6185	2,4-Dinitrotoluene (2,4-DNT)		
		6181	2,6-diamino-4-nitrotoluene		
		6190	2,6-Dinitrotoluene (2,6-DNT)		
		9303	2-Amino-4,6-dinitrotoluene (2-am-dnt)		
		9507	2-Nitrotoluene		
		9510	3-Nitrotoluene		
		9513	4-Nitrotoluene		
		6415	Methyl-2,4,6-trinitrophenylnitramine (tetryl)		
		5015	Nitrobenzene		
		9522	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9432	RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)		
EPA 9014				10193803	Titrimetric and Manual Spectrophotometric Determinative Methods for Cyanide
		1510	Amenable cyanide		
		1635	Cyanide		
EPA 9020B				10194408	Total Organic Halides
		2045	Total organic halides (TOX)		
EPA 9040B				10197203	pH Electrometric Measurement
		1900	pH		
EPA 9045C				10198400	Soil and Waste pH
		1900	pH		
OIA 1677				60031405	Available Cyanide by FIA, Ligand Exchange and Amperometry
		1523	Available Cyanide		
SM 2120 B-2011				20039310	Color - Visual Comparison Method
		1605	Color		
SM 2320 B-2011 online				20045618	Alkalinity as CaCO3
		1505	Alkalinity as CaCO3		
SM 2510 B-2011				20048617	Conductivity by Probe
		1610	Conductivity		
SM 2540 B-2011 2011				20049416	Total Solids Dried at 103 - 105C
		1950	Residue-total		
SM 2540 C-2011 online				20050413	Residue-filterable (TDS)
		1955	Residue-filterable (TDS)		
SM 2540 D-2011				20051212	Total Suspended Solids Dried at 103 - 105 C
		1960	Residue-nonfilterable (TSS)		
SM 2540 E-2011 2011				20051596	Fixed & Volatile Solids Ignited at 550 C
		1947	Residue - Fixed		



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	SM 2540 F-2011	1965	Residue-settleable	20052215	Settleable Solids
	SM 4500-CI G 20th ED	1580	Chlorine	20081203	Residual Chlorine by DPD Colorimetric Determination
		1945	Residual free chlorine		
	SM 4500-CI G-2011 22nd ED	1940	Total residual chlorine	20081623	Chlorine (Residual) by DPD Colorimetric Method
	SM 4500-CN G 20th ED	1510	Amenable cyanide	20093203	Cyanide Amenable to Chlorination after Distillation
	SM 4500-H+ B-2011	1900	pH	20105220	pH - Electrometric Measurement
	SM 4500-O G-2011 22nd ED	1880	Oxygen, dissolved	20121668	Dissolved Oxygen by Membrane Electrode
	SM 4500-S2 <sup>-</sup> D-2011 online	2005	Sulfide	20125864	Sulfide by Methylene Blue Method
	SM 4500-SO3 <sup>-</sup> B-2011	2015	Sulfite-SO3	20130636	Sulfite by Iodometric Method
	SM 5210 B-2011 online	1530	Biochemical oxygen demand	20135266	Biochemical Oxygen Demand (5 days @ 20 C).
		1555	Carbonaceous BOD, CBOD		
	SM 5310 B-2011 2011	1710	Dissolved organic carbon (DOC)	20137820	TOC by High-Temperature Combustion Method
		2040	Total organic carbon		
	SM 5320 B			20140403	Absorbable Organic Halogen



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
	20th ED				
		4345	Adsorbable organic halogens (AOX)		
		2045	Total organic halides (TOX)		
	SM 5540 C-2011			20145066	Surfactants as MBAS
		2025	Surfactants - MBAS		
Weck EPA 1694 Isotope Dilution 4.0				60009689	WECK Labs - Pharmaceuticals and Personal Care Products by Isotope Dilution HPLC/MS/MS
		6769	17a-estradiol		
		6771	17a-ethynylestradiol		
		6773	17β-estradiol		
		4307	Acetaminophen		
		9301	Bisphenol A		
		7194	Carbamazepine		
		7375	DEET		
		7086	Diazepam		
		7087	Diclofenac		
		6075	Diethylstilbestrol		
		7253	Estriol		
		7254	Estrone		
		7257	Fluoxetine		
		7258	Gemfibrozil		
		7259	Ibuprofen		
		7719	Iopromide		
		7313	Meprobamate		
		7316	Methadone		
		7269	Naproxen		
		7317	Oxybenzone		
		6911	Perfluorobutane Sulfonate (PFBS)		
		6910	Perfluorohexane sulfonate (PFHxS)		
		6906	Perfluorononanoic acid (PFNA)		
		6909	Perfluorooctane sulfonate (PFOS)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6912	Perfluorooctanoic acid (PFOA)		
		7284	Progesterone		
		9585	Salicylic acid		
		7297	Sulfamethoxazole		
		7301	Testosterone		
		7304	Triclosan		
		7307	Trimethoprim		

### Solids

DoD/DoE  
QSM Table B-15

90000451 DoD/DoE - PFAS using LC/MS/MS Isotope Dilution or IS Quantification

9462	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonate
6951	4,8-Dioxa-3H-perfluorononanoic acid (DONA)
9437	4:2 Fluorotelomer sulfonate (4:2FTS)
6457	6:2 Fluorotelomersulfonate (6:2FTS)
6461	8:2 Fluorotelomersulfonate (8:2FTS)
6952	9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)
9460	Hexafluoropropylene oxide dimer acid (HFPO-DA)
9395	N-Ethylperfluorooctane sulfonamide (EtFOSAm)
9431	N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)
4846	N-Ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
4847	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)
6949	N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)
9433	N-Methylperfluorooctanesulfonamide (MeFOSA)
6918	Perfluorobutane sulfonic acid (PFBS)





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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6915	Perfluorobutanoic acid (PFBA)		
		9562	Perfluorodecane Sulfonate (PFDS)		
		6905	Perfluorodecanoic acid (PFDA)		
		6903	Perfluorododecanoic acid (PFDoA)		
		9470	Perfluoroheptane sulfonic acid (PFHpS)		
		6908	Perfluoroheptanoic acid (PFHpA)		
		6927	Perfluorohexane sulfonic acid (PFHxS)		
		6913	Perfluorohexanoic acid (PFHxA)		
		9464	Perfluorononane sulfonate (PFNS)		
		6906	Perfluorononanoic acid (PFNA)		
		6916	Perfluorooctadecanoic acid (PFODA)		
		6917	Perfluorooctane sulfonamide (PFOSAm)		
		6931	Perfluorooctane sulfonic acid (PFOS)		
		6912	Perfluorooctanoic acid (PFOA)		
		9467	Perfluoropentane Sulfonate (PFPeS)		
		6914	Perfluoropentanoic acid (PFPeA)		
		6902	Perfluorotetradecanoic acid (PFTDA)		
		9563	Perfluorotridecanoic acid (PFTrDA)		
		6904	Perfluoroundecanoic acid (PFUnA)		
EPA 1010				10116606	Pensky-Martens Closed-Cup Method for Determining Ignitability
		1780	Ignitability		
EPA 1311				10118806	Toxicity Characteristic Leaching Procedure
		1466	Toxicity Characteristic Leaching Procedure (TCLP)		
EPA 1312				10119003	Synthetic Precipitation Leaching Procedure
		1460	Synthetic Precipitation Leaching Procedure (SPLP)		
EPA 350.1 2				10063602	Ammonia Nitrogen - Colorimetric, Auto Phenate
		1515	Ammonia as N		
EPA 351.2 2				10065404	Total Kjeldahl Nitrogen - Block Digest, Phenate



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		1795	Total Kjeldahl Nitrogen (TKN)		
EPA 365.3				10070801	Phosphorous - Colorimetric, two reagent.
		1910	Phosphorus, total		
EPA 6010B				10155609	ICP - AES
		1000	Aluminum		
		1005	Antimony		
		1010	Arsenic		
		1015	Barium		
		1020	Beryllium		
		1025	Boron		
		1030	Cadmium		
		1035	Calcium		
		1040	Chromium		
		1050	Cobalt		
		1055	Copper		
		1070	Iron		
		1075	Lead		
		1080	Lithium		
		1085	Magnesium		
		1090	Manganese		
		1100	Molybdenum		
		1105	Nickel		
		1910	Phosphorus, total		
		1125	Potassium		
		1140	Selenium		
		1990	Silica as SiO <sub>2</sub>		
		1145	Silicon		
		1150	Silver		
		1155	Sodium		
		1160	Strontium		
		1165	Thallium		
		1175	Tin		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		1180	Titanium		
		1185	Vanadium		
		1190	Zinc		
EPA 6020				10156204	Inductively Coupled Plasma-Mass Spectrometry
		1000	Aluminum		
		1005	Antimony		
		1010	Arsenic		
		1015	Barium		
		1020	Beryllium		
		1025	Boron		
		1030	Cadmium		
		1035	Calcium		
		1040	Chromium		
		1050	Cobalt		
		1055	Copper		
		1070	Iron		
		1075	Lead		
		1085	Magnesium		
		1090	Manganese		
		1100	Molybdenum		
		1105	Nickel		
		1125	Potassium		
		1140	Selenium		
		1150	Silver		
		1155	Sodium		
		1160	Strontium		
		1165	Thallium		
		1175	Tin		
		1180	Titanium		
		1184	Uranium (mass)		
		1185	Vanadium		
		1190	Zinc		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
	EPA 7199			10163005	Determination of Hexavalent Chromium in Drinking Water, Groundwater and Industrial Wastewater Effluents by Ion Chromatography
		1045	Chromium VI		
	EPA 7470A			10165807	Mercury in Liquid Waste by Cold Vapor Atomic Absorption
		1095	Mercury		
	EPA 7471A			10166208	Mercury in Solid Waste by Cold Vapor Atomic Absorption
		1095	Mercury		
	EPA 8015B			10173601	Non-halogenated organics using GC/FID
		9369	Diesel range organics (DRO)		
		4750	Ethanol		
		4785	Ethylene glycol		
		9488	Jet Fuel		
		9409	Kerosene		
		4930	Methanol		
		9410	Mineral Spirits		
		9499	Motor Oil		
		2050	Total Petroleum Hydrocarbons (TPH)		
	EPA 8081A			10178606	Organochlorine Pesticides by GC/ECD
		8580	2,4'-DDD		
		8585	2,4'-DDE		
		8590	2,4'-DDT		
		7355	4,4'-DDD		
		7360	4,4'-DDE		
		7365	4,4'-DDT		
		7025	Aldrin		
		7115	beta-BHC (beta-Hexachlorocyclohexane)		
		7250	Chlordane (tech.)		
		7310	Chlorthalonil (Daconil)		
		7240	cis-chlordane (alpha-Chlordane)		
		7925	cis-Nonachlor		
		8550	Dacthal (DCPA)		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		7105	delta-BHC		
		7470	Dieldrin		
		7510	Endosulfan I		
		7515	Endosulfan II		
		7520	Endosulfan sulfate		
		7540	Endrin		
		7530	Endrin aldehyde		
		7535	Endrin ketone		
		7120	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)		
		7245	gamma-Chlordane		
		7685	Heptachlor		
		7690	Heptachlor epoxide		
		6275	Hexachlorobenzene		
		6285	Hexachlorocyclopentadiene		
		7740	Kepone		
		7810	Methoxychlor		
		7870	Mirex		
		3890	Oxychlordane		
		8045	Propachlor (Ramrod)		
		8250	Toxaphene (Chlorinated camphene)		
		7910	trans-Nonachlor		
		8295	Trifluralin (Treflan)		
EPA 8082				10179007	Polychlorinated Biphenyls (PCBs) by GC/ECD
		8880	Aroclor-1016 (PCB-1016)		
		8885	Aroclor-1221 (PCB-1221)		
		8890	Aroclor-1232 (PCB-1232)		
		8895	Aroclor-1242 (PCB-1242)		
		8900	Aroclor-1248 (PCB-1248)		
		8905	Aroclor-1254 (PCB-1254)		
		8910	Aroclor-1260 (PCB-1260)		
EPA 8141A				10182000	Organophosphorous Pesticides by GC/NPD



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		7005	Alachlor		
		7075	Azinphos-methyl (Guthion)		
		7125	Bolstar (Sulprofos)		
		7300	Chlorpyrifos		
		7315	Coumaphos		
		7395	Demeton-o		
		7385	Demeton-s		
		7410	Diazinon		
		8610	Dichlorovos (DDVP, Dichlorvos)		
		7475	Dimethoate		
		8625	Disulfoton		
		7570	Ethoprop		
		7600	Fensulfothion		
		7605	Fenthion		
		7770	Malathion		
		7785	Merphos		
		7825	Methyl parathion (Parathion, methyl)		
		7845	Metribuzin		
		7850	Mevinphos		
		7905	Naled		
		7955	Parathion, ethyl		
		7960	Pendimethalin\ (Penoxalin)		
		7985	Phorate		
		8110	Ronnel		
		8200	Tetrachlorvinphos (Stirophos, Gardona) Z-isomer		
		8235	Thionazin (Zinophos)		
		8245	Tokuthion (Prothiophos)		
		8275	Trichloronate		
EPA 8151A				10183207	Chlorinated Herbicides by GC/ECD
		8655	2,4,5-T		
		8545	2,4-D		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		8560	2,4-DB		
		8555	Dalapon		
		8595	Dicamba		
		8605	Dichloroprop (Dichlorprop)		
		8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)		
		7775	MCPA		
		7780	MCPP		
		6605	Pentachlorophenol		
		8645	Picloram		
		8650	Silvex (2,4,5-TP)		
EPA 8260B				10184802	Volatile Organic Compounds by purge and trap GC/MS
		5105	1,1,1,2-Tetrachloroethane		
		5160	1,1,1-Trichloroethane		
		5110	1,1,2,2-Tetrachloroethane		
		5195	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		
		5165	1,1,2-Trichloroethane		
		4630	1,1-Dichloroethane		
		4640	1,1-Dichloroethylene		
		4670	1,1-Dichloropropene		
		5150	1,2,3-Trichlorobenzene		
		5180	1,2,3-Trichloropropane		
		5155	1,2,4-Trichlorobenzene		
		5210	1,2,4-Trimethylbenzene		
		4570	1,2-Dibromo-3-chloropropane (DBCP)		
		4585	1,2-Dibromoethane (EDB, Ethylene dibromide)		
		4610	1,2-Dichlorobenzene		
		4635	1,2-Dichloroethane (Ethylene dichloride)		
		4655	1,2-Dichloropropane		
		5215	1,3,5-Trimethylbenzene		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4615	1,3-Dichlorobenzene		
		4660	1,3-Dichloropropane		
		4675	1,3-Dichloropropene		
		4620	1,4-Dichlorobenzene		
		4665	2,2-Dichloropropane		
		4410	2-Butanone (Methyl ethyl ketone, MEK)		
		4500	2-Chloroethyl vinyl ether		
		4535	2-Chlorotoluene		
		4860	2-Hexanone (MBK)		
		4540	4-Chlorotoluene		
		4910	4-Isopropyltoluene (p-Cymene)		
		4995	4-Methyl-2-pentanone (MIBK)		
		4315	Acetone		
		4320	Acetonitrile		
		4325	Acrolein (Propenal)		
		4340	Acrylonitrile		
		4355	Allyl chloride (3-Chloropropene)		
		4375	Benzene		
		4385	Bromobenzene		
		4390	Bromochloromethane		
		4395	Bromodichloromethane		
		4400	Bromoform		
		4450	Carbon disulfide		
		4455	Carbon tetrachloride		
		4475	Chlorobenzene		
		4575	Chlorodibromomethane		
		4485	Chloroethane (Ethyl chloride)		
		4505	Chloroform		
		4525	Chloroprene (2-Chloro-1,3-butadiene)		
		4645	cis-1,2-Dichloroethylene		
		4680	cis-1,3-Dichloropropene		
		4580	Dibromochloropropane		





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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4595	Dibromomethane (Methylene bromide)		
		4625	Dichlorodifluoromethane (Freon-12)		
		9375	Di-isopropylether (DIPE)		
		4745	Epichlorohydrin (1-Chloro-2,3-epoxypropane)		
		4750	Ethanol		
		4755	Ethyl acetate		
		4810	Ethyl methacrylate		
		4765	Ethylbenzene		
		4770	Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)		
		9408	Gasoline range organics (GRO)		
		4835	Hexachlorobutadiene		
		4870	Iodomethane (Methyl iodide)		
		4875	Isobutyl alcohol (2-Methyl-1-propanol)		
		4890	Isopropyl acetate		
		4900	Isopropylbenzene (Cumene)		
		5240	m+p-xylene		
		4925	Methacrylonitrile		
		4950	Methyl bromide (Bromomethane)		
		4960	Methyl chloride (Chloromethane)		
		5000	Methyl tert-butyl ether (MTBE)		
		4975	Methylene chloride (Dichloromethane)		
		4360	n-Amyl acetate		
		5005	Naphthalene		
		4435	n-Butylbenzene		
		5090	n-Propylbenzene		
		5250	o-Xylene		
		5035	Pentachloroethane		
		5080	Propionitrile (Ethyl cyanide)		
		4440	sec-Butylbenzene		
		5100	Styrene		
		4370	T-amylmethylether (TAME)		



# OREGON

## Environmental Laboratory Accreditation Program

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**EPA CODE: CA00211**

**Certificate: 4047 - 009**

Issue Date: 1/28/2022 Expiration Date: 1/29/2023

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		4420	tert-Butyl alcohol		
		4445	tert-Butylbenzene		
		5115	Tetrachloroethylene (Perchloroethylene)		
		5140	Toluene		
		4027	Total BTEX		
		4700	trans-1,2-Dichloroethylene		
		4685	trans-1,3-Dichloropropylene		
		4605	trans-1,4-Dichloro-2-butene		
		5170	Trichloroethene (Trichloroethylene)		
		5175	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)		
		5225	Vinyl acetate		
		5235	Vinyl chloride		
		5260	Xylene (total)		
EPA 8270C				10185805	Semivolatile Organic compounds by GC/MS
		6715	1,2,4,5-Tetrachlorobenzene		
		5155	1,2,4-Trichlorobenzene		
		4610	1,2-Dichlorobenzene		
		6220	1,2-Diphenylhydrazine		
		6885	1,3,5-Trinitrobenzene (1,3,5-TNB)		
		4615	1,3-Dichlorobenzene		
		6160	1,3-Dinitrobenzene (1,3-DNB)		
		4620	1,4-Dichlorobenzene		
		6165	1,4-Dinitrobenzene		
		6420	1,4-Naphthoquinone		
		6630	1,4-Phenylenediamine		
		6380	1-Methylnaphthalene		
		6425	1-Naphthylamine		
		4659	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether		
		6735	2,3,4,6-Tetrachlorophenol		
		6835	2,4,5-Trichlorophenol		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6840	2,4,6-Trichlorophenol		
		6000	2,4-Dichlorophenol		
		6130	2,4-Dimethylphenol		
		6175	2,4-Dinitrophenol		
		6185	2,4-Dinitrotoluene (2,4-DNT)		
		5515	2-Acetylaminofluorene		
		5795	2-Chloronaphthalene		
		5800	2-Chlorophenol		
		6360	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)		
		6385	2-Methylnaphthalene		
		6400	2-Methylphenol (o-Cresol)		
		6430	2-Naphthylamine		
		6460	2-Nitroaniline		
		6490	2-Nitrophenol		
		5050	2-Picoline (2-Methylpyridine)		
		6412	3 & 4 Methylphenol		
		5945	3,3'-Dichlorobenzidine		
		6120	3,3'-Dimethylbenzidine		
		6355	3-Methylcholanthrene		
		6465	3-Nitroaniline		
		7355	4,4'-DDD		
		7360	4,4'-DDE		
		7365	4,4'-DDT		
		5540	4-Aminobiphenyl		
		5660	4-Bromophenyl phenyl ether (BDE-3)		
		5700	4-Chloro-3-methylphenol		
		5745	4-Chloroaniline		
		5825	4-Chlorophenyl phenylether		
		6470	4-Nitroaniline		
		6500	4-Nitrophenol		
		6510	4-Nitroquinoline 1-oxide		



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Matrix Reference	Analyte Code	Analyte	Method Code	Description
	6570	5-Nitro-o-toluidine		
	6115	7,12-Dimethylbenz(a) anthracene		
	6125	a-a-Dimethylphenethylamine		
	5500	Acenaphthene		
	5505	Acenaphthylene		
	5510	Acetophenone		
	7025	Aldrin		
	7110	alpha-BHC (alpha-Hexachlorocyclohexane)		
	5535	Aminoazobenzene		
	5545	Aniline		
	5555	Anthracene		
	5560	Aramite		
	5562	Azobenzene		
	5595	Benzidine		
	5575	Benzo(a)anthracene		
	5580	Benzo(a)pyrene		
	5590	Benzo(g,h,i)perylene		
	5600	Benzo(k)fluoranthene		
	5585	Benzo[b]fluoranthene		
	5610	Benzoic acid		
	5630	Benzyl alcohol		
	7115	beta-BHC (beta-Hexachlorocyclohexane)		
	5760	bis(2-Chloroethoxy)methane		
	5765	bis(2-Chloroethyl) ether		
	5670	Butyl benzyl phthalate		
	5680	Carbazole		
	7260	Chlorobenzilate		
	5855	Chrysene		
	7240	cis-chlordane (alpha-Chlordane)		
	7105	delta-BHC		
	7405	Diallate		



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Matrix Reference	Analyte Code	Analyte	Method Code	Description
	5895	Dibenz(a,h) anthracene		
	5905	Dibenzofuran		
	7470	Dieldrin		
	6070	Diethyl phthalate		
	7475	Dimethoate		
	6135	Dimethyl phthalate		
	5925	Di-n-butyl phthalate		
	6200	Di-n-octyl phthalate		
	8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)		
	6205	Diphenylamine		
	8625	Disulfoton		
	7510	Endosulfan I		
	7515	Endosulfan II		
	7520	Endosulfan sulfate		
	7540	Endrin		
	7530	Endrin aldehyde		
	7535	Endrin ketone		
	6260	Ethyl methanesulfonate		
	7580	Famphur		
	6265	Fluoranthene		
	6270	Fluorene		
	7120	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)		
	7245	gamma-Chlordane		
	7685	Heptachlor		
	7690	Heptachlor epoxide		
	6275	Hexachlorobenzene		
	4835	Hexachlorobutadiene		
	6285	Hexachlorocyclopentadiene		
	4840	Hexachloroethane		
	6295	Hexachloropropene		
	6315	Indeno(1,2,3-cd) pyrene		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		7725	Isodrin		
		6320	Isophorone		
		6325	Isosafrole		
		7740	Kepone		
		6345	Methapyrilene		
		7810	Methoxychlor		
		6375	Methyl methanesulfonate		
		7825	Methyl parathion (Parathion, methyl)		
		5005	Naphthalene		
		5015	Nitrobenzene		
		6525	n-Nitrosodiethylamine		
		6530	n-Nitrosodimethylamine		
		5025	n-Nitroso-di-n-butylamine		
		6545	n-Nitrosodi-n-propylamine		
		6535	n-Nitrosodiphenylamine		
		6550	n-Nitrosomethylethylamine		
		6555	n-Nitrosomorpholine		
		6560	n-Nitrosopiperidine		
		6565	n-Nitrosopyrrolidine		
		8290	o,o,o-Triethyl phosphorothioate		
		7955	Parathion, ethyl		
		6590	Pentachlorobenzene		
		5035	Pentachloroethane		
		6600	Pentachloronitrobenzene		
		6605	Pentachlorophenol		
		6610	Phenacetin		
		6615	Phenanthrene		
		6625	Phenol		
		7985	Phorate		
		6650	Pronamide (Kerb)		
		6665	Pyrene		
		5095	Pyridine		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		6685	Safrole		
		8155	Sulfotepp		
	EPA 8270C SIM			10242407	Semivolatile Organic compounds by GC/MS Selective Ion Monitoring
		4735	1,4-Dioxane (1,4- Diethyleneoxide)		
		6380	1-Methylnaphthalene		
		6385	2-Methylnaphthalene		
		5500	Acenaphthene		
		5505	Acenaphthylene		
		5555	Anthracene		
		5575	Benzo(a)anthracene		
		5580	Benzo(a)pyrene		
		5605	Benzo(e)pyrene		
		5590	Benzo(g,h,i)perylene		
		5600	Benzo(k)fluoranthene		
		5585	Benzo[b]fluoranthene		
		5855	Chrysene		
		5895	Dibenz(a,h) anthracene		
		6265	Fluoranthene		
		6270	Fluorene		
		6315	Indeno(1,2,3-cd) pyrene		
		5005	Naphthalene		
		6608	Perylene		
		6615	Phenanthrene		
		6665	Pyrene		
	EPA 8315A			10188008	Determination of Carbonyl Compounds by HPLC/UV-VIS
		4300	Acetaldehyde		
		4815	Formaldehyde		
		9525	n-Octaldehyde (Octanal)		
	EPA 8316			10188202	Acrylamide, Acrylonitrile and Acrolein by High Performance Liquid Chromatography (HPLC)
		4330	Acrylamide		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
	EPA 8318			10307605	N-Methylcarbamates by HPLC/UV-VIS
		7710	3-Hydroxycarbofuran		
		7010	Aldicarb (Temik)		
		7015	Aldicarb sulfone		
		7195	Carbaryl (Sevin)		
		7205	Carbofuran (Furaden)		
		7800	Methiocarb (Mesuro)		
		7805	Methomyl (Lannate)		
		7940	Oxamyl		
		8080	Propoxur (Baygon)		
	EPA 8330A			10190008	Nitroaromatics and Nitramines by High Performance Liquid Chromatography (HPLC)
		6885	1,3,5-Trinitrobenzene (1,3,5-TNB)		
		6160	1,3-Dinitrobenzene (1,3-DNB)		
		9651	2,4,6-Trinitrotoluene (2,4,6-TNT)		
		6185	2,4-Dinitrotoluene (2,4-DNT)		
		6190	2,6-Dinitrotoluene (2,6-DNT)		
		9303	2-Amino-4,6-dinitrotoluene (2-am-dnt)		
		9507	2-Nitrotoluene		
		9510	3-Nitrotoluene		
		9306	4-Amino-2,6-dinitrotoluene (4-am-dnt)		
		9513	4-Nitrotoluene		
		6415	Methyl-2,4,6-trinitrophenylnitramine (tetryl)		
		5015	Nitrobenzene		
		9522	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)		
		9432	RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)		
	EPA 9014 Update V			10193836	Titrimetric and Manual Spectrophotometric Determinative Methods for Cyanide
		1510	Amenable cyanide		
		1635	Cyanide		
	EPA 9020B			10194408	Total Organic Halides





# OREGON

## Environmental Laboratory Accreditation Program

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Issue Date: 1/28/2022 Expiration Date: 1/29/2023

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		2045	Total organic halides (TOX)		
EPA 9023				10195003	Extractable Organic Halides (EOX) in Solids
		1720	Extractable organics halides (EOX)		
EPA 9034				10196006	Titrimetric Procedure for Acid-Soluble and Acid-Insoluble Sulfides
		2005	Sulfide		
EPA 9040B				10197203	pH Electrometric Measurement
		1900	pH		
EPA 9045C				10198400	Soil and Waste pH
		1900	pH		
EPA 9056				10199209	Determination of Inorganic Anions by Ion Chromatography
		1540	Bromide		
		1575	Chloride		
		1730	Fluoride		
		1805	Nitrate		
		1835	Nitrite		
		2000	Sulfate		
		1825	Total nitrate+nitrite		
EPA 9060A				10244823	Total Organic Carbon
		2040	Total organic carbon		



STATE WATER RESOURCES CONTROL BOARD  
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF  
ENVIRONMENTAL LABORATORY ACCREDITATION**

Is hereby granted to

**Enthalpy Analytical, LLC**

**Orange**

931 West Barkley Avenue

Orange, CA 92868

Scope of the certificate is limited to the  
"Fields of Accreditation"  
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations,  
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1338**

Effective Date: **11/1/2022**

Expiration Date: **10/31/2024**

A handwritten signature in blue ink, appearing to read "Christine Sotelo".

Sacramento, California  
subject to forfeiture or revocation

Christine Sotelo, Program Manager  
Environmental Laboratory Accreditation Program



**CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Fields of Accreditation**



**Enthalpy Analytical, LLC**  
Orange  
931 West Barkley Avenue  
Orange, CA 92868  
Phone: 7147716900

**Certificate Number: 1338**  
**Expiration Date: 10/31/2023**  
**INTERIM**

**Field of Accreditation: 101 - Microbiology of Drinking Water**

101.010 001	Heterotrophic Bacteria	SM 9215 B	I
101.010 002	Heterotrophic Bacteria	SimPlate	I
101.020 004	Total Coliform (Enumeration)	SM 9221 B,C	I
101.020 005	Fecal Coliform (Enumeration)	SM 9221 B,E	I
101.020 006	E. coli (Enumeration)	SM 9221 B,F	I
101.050 001	Total Coliform P/A	SM 9223 B Colilert	I
101.050 002	E. coli P/A	SM 9223 B Colilert	I
101.050 003	Total Coliform (Enumeration)	SM 9223 B Colilert	I
101.050 004	E. coli (Enumeration)	SM 9223 B Colilert	I
101.050 005	Total Coliform P/A	SM 9223 B Colilert 18	I
101.050 006	E. coli P/A	SM 9223 B Colilert 18	I
101.050 007	Total Coliform (Enumeration)	SM 9223 B Colilert 18	I
101.050 008	E. coli (Enumeration)	SM 9223 B Colilert 18	I
101.050 009	Total Coliform P/A	SM 9223 B Colisure	I
101.050 010	E. coli P/A	SM 9223 B Colisure	I
101.050 011	Total Coliform (Enumeration)	SM 9223 B Colisure	I
101.050 012	E. coli (Enumeration)	SM 9223 B Colisure	I

**Field of Accreditation: 102 - Inorganic Chemistry of Drinking Water**

102.015 001	Hydrogen Ion (pH)	EPA 150.1	I
102.020 001	Turbidity	EPA 180.1	I
102.026 001	Calcium	EPA 200.7	I
102.026 002	Magnesium	EPA 200.7	I
102.026 003	Potassium	EPA 200.7	I
102.026 004	Silica	EPA 200.7	I
102.026 005	Sodium	EPA 200.7	I
102.026 006	Hardness (Calculation)	EPA 200.7	I
102.030 003	Chloride	EPA 300.0	I
102.030 005	Fluoride	EPA 300.0	I
102.030 006	Nitrate (as N)	EPA 300.0	I
102.030 007	Nitrite (as N)	EPA 300.0	I
102.030 009	Sulfate (as SO4)	EPA 300.0	I
102.045 001	Perchlorate	EPA 314.0	I
102.050 001	Cyanide, Total	EPA 335.4	I

As of 12/7/2022, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

102.095	001	Turbidity	SM 2130 B-2001	I
102.100	001	Alkalinity	SM 2320 B-1997	I
102.120	001	Hardness (Calculation)	SM 2340 B-1997	I
102.130	001	Specific Conductance	SM 2510 B-1997	
102.140	001	Residue, Filterable TDS	SM 2540 C-1997	
102.175	001	Chlorine, Free	SM 4500-Cl G-2000	
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000	
102.190	001	Cyanide, Total	SM 4500-CN E-1999	
102.192	001	Cyanide, Amenable	SM 4500-CN G-1999	
102.200	001	Fluoride	SM 4500-F C-1997	
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000	
102.234	002	Nitrate (as N)	SM 4500-NO3 F-2000	
102.240	001	Phosphate, Ortho (as P)	SM 4500-P E-1999	
102.242	001	Silica	SM 4500-SiO2 C-1997	
102.243	001	Silica	SM 4500-SiO2 D-1997	
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000	
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000	I
102.270	001	Surfactants	SM 5540 C-2000	

**Field of Accreditation: 103 - Toxic Chemical Elements of Drinking Water**

103.130	001	Aluminum	EPA 200.7	I
103.130	003	Barium	EPA 200.7	I
103.130	004	Beryllium	EPA 200.7	I
103.130	007	Chromium	EPA 200.7	I
103.130	008	Copper	EPA 200.7	I
103.130	009	Iron	EPA 200.7	I
103.130	011	Manganese	EPA 200.7	I
103.130	012	Nickel	EPA 200.7	I
103.130	015	Silver	EPA 200.7	I
103.130	017	Zinc	EPA 200.7	I
103.130	018	Boron	EPA 200.7	I
103.140	001	Aluminum	EPA 200.8	I
103.140	002	Antimony	EPA 200.8	I
103.140	003	Arsenic	EPA 200.8	I
103.140	004	Barium	EPA 200.8	I
103.140	005	Beryllium	EPA 200.8	I
103.140	006	Cadmium	EPA 200.8	I
103.140	007	Chromium	EPA 200.8	I
103.140	008	Copper	EPA 200.8	I
103.140	009	Lead	EPA 200.8	I
103.140	010	Manganese	EPA 200.8	I
103.140	012	Nickel	EPA 200.8	I
103.140	013	Selenium	EPA 200.8	I

103.140	014	Silver	EPA 200.8	I
103.140	015	Thallium	EPA 200.8	I
103.140	016	Zinc	EPA 200.8	I
103.140	017	Boron	EPA 200.8	I
103.140	018	Vanadium	EPA 200.8	I
103.160	001	Mercury	EPA 245.1	I
103.310	001	Chromium VI (Hexavalent Chromium)	EPA 218.6	I

**Field of Accreditation:**104 - Volatile Organic Chemistry of Drinking Water

104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP	
104.200	001	1,1,1,2-Tetrachloroethane	EPA 524.2	I
104.200	002	1,1,1-Trichloroethane	EPA 524.2	I
104.200	003	1,1,2,2-Tetrachloroethane	EPA 524.2	I
104.200	004	1,1,2-Trichloroethane	EPA 524.2	I
104.200	005	1,1-Dichloroethane	EPA 524.2	I
104.200	006	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2	I
104.200	007	1,2,3-Trichlorobenzene	EPA 524.2	I
104.200	008	1,2,4-Trichlorobenzene	EPA 524.2	I
104.200	009	1,2,4-Trimethylbenzene	EPA 524.2	I
104.200	010	1,2-Dichlorobenzene	EPA 524.2	I
104.200	011	1,2-Dichloroethane (Ethylene Dichloride)	EPA 524.2	I
104.200	012	1,2-Dichloropropane	EPA 524.2	I
104.200	013	1,3,5-Trimethylbenzene	EPA 524.2	I
104.200	014	1,3-Dichlorobenzene	EPA 524.2	I
104.200	015	1,4-Dichlorobenzene	EPA 524.2	I
104.200	016	2-Chlorotoluene	EPA 524.2	I
104.200	017	4-Chlorotoluene	EPA 524.2	I
104.200	018	Benzene	EPA 524.2	I
104.200	020	Carbon Tetrachloride	EPA 524.2	I
104.200	021	Chlorobenzene	EPA 524.2	I
104.200	022	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2	I
104.200	023	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2	I
104.200	024	Dichlorodifluoromethane	EPA 524.2	I
104.200	025	Dichloromethane (Methylene Chloride)	EPA 524.2	I
104.200	027	Ethyl tert-butyl Ether (ETBE)	EPA 524.2	I
104.200	028	Ethylbenzene	EPA 524.2	I
104.200	029	Isopropylbenzene	EPA 524.2	I
104.200	031	Methyl tert-butyl Ether (MTBE)	EPA 524.2	I
104.200	032	Naphthalene	EPA 524.2	I
104.200	033	n-Butylbenzene	EPA 524.2	I
104.200	034	N-propylbenzene	EPA 524.2	I
104.200	035	sec-Butylbenzene	EPA 524.2	I
104.200	036	Styrene	EPA 524.2	I

104.200	037	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 524.2	I
104.200	038	tert-Amyl Methyl Ether (TAME)	EPA 524.2	I
104.200	039	tert-Butylbenzene	EPA 524.2	I
104.200	040	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2	I
104.200	041	Toluene	EPA 524.2	I
104.200	042	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2	I
104.200	043	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 524.2	I
104.200	044	Trichloroethylene (Trichloroethene)	EPA 524.2	I
104.200	045	Trichlorofluoromethane	EPA 524.2	I
104.200	047	Vinyl Chloride	EPA 524.2	I
104.200	102	m+p-Xylene	EPA 524.2	I
104.200	103	o-Xylene	EPA 524.2	I
104.200	201	Bromodichloromethane	EPA 524.2	I
104.200	202	Bromoform	EPA 524.2	I
104.200	203	Chloroform	EPA 524.2	I
104.200	204	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2	I

**Field of Accreditation:107 - Microbiological Methods for Non-Potable Water and Sewage Sludge**

107.001	001	Total Coliform (Enumeration)	SM 9221 B,C-2006	I
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006	I
107.001	003	E. coli (Enumeration)	SM 9221 C,F-2006	I
107.007	001	Enterococci	SM 9230 B-2007	I
107.007	002	Fecal Streptococci	SM 9230 B-2007	I
107.011	001	Enterococci	SM 9230 D-2007	I
107.013	001	E. coli (Enumeration)	SM 9223 B-2004 Colilert	I
107.015	001	E. coli (Enumeration)	SM 9223 B-2004 Colilert 18	I
107.015	002	Fecal Coliform (Enumeration)	SM 9223 B-2004 Colilert 18	I
107.017	001	Enterococci	Enterolert	I

**Field of Accreditation:108 - Inorganic Constituents in Non-Potable Water**

108.001	001	Specific Conductance	EPA 120.1	I
108.007	001	Residue, Volatile	EPA 160.4	I
108.009	001	Turbidity	EPA 180.1	I
108.013	001	Calcium	EPA 200.7	I
108.013	002	Magnesium	EPA 200.7	I
108.013	004	Potassium	EPA 200.7	I
108.013	005	Silica, Dissolved	EPA 200.7	I
108.013	006	Sodium	EPA 200.7	I
108.015	001	Calcium	EPA 200.8	I
108.015	002	Magnesium	EPA 200.8	I
108.015	003	Potassium	EPA 200.8	I
108.015	005	Sodium	EPA 200.8	I
108.017	001	Bromide	EPA 300.0	
108.017	002	Chloride	EPA 300.0	

108.017	003	Fluoride	EPA 300.0	
108.017	004	Nitrate (as N)	EPA 300.0	
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0	
108.017	006	Nitrite (as N)	EPA 300.0	
108.017	008	Sulfate (as SO4)	EPA 300.0	
108.023	001	Cyanide, Total	EPA 335.4	I
108.025	001	Ammonia (as N)	EPA 350.1	I
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2	I
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2	I
108.033	002	Nitrite (as N)	EPA 353.2	I
108.045	001	Chemical Oxygen Demand	EPA 410.4	I
108.047	001	Phenols, Total	EPA 420.1	I
108.053	001	Oil & Grease, Total Recoverable	EPA 1664 A	I
108.055	001	Color	SM 2120 B-2011	I
108.059	001	Turbidity	SM 2130 B-2011	I
108.061	001	Acidity	SM 2310 B-2011	I
108.063	001	Alkalinity	SM 2320 B-2011	I
108.065	001	Hardness (Calculation)	SM 2340 B-2011	I
108.069	001	Specific Conductance	SM 2510 B-2011	I
108.071	001	Residue, Total	SM 2540 B-2011	I
108.073	001	Residue, Filterable TDS	SM 2540 C-2011	I
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011	I
108.077	001	Residue, Volatile	SM 2540 E-2011	I
108.079	001	Residue, Settleable	SM 2540 F-2011	I
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011	I
108.114	002	Chlorine, Free	SM 4500-Cl G-2011	I
108.125	001	Cyanide, Total	SM 4500-CN E-2011	I
108.129	001	Cyanide, Available	SM 4500-CN G-2011	I
108.131	001	Fluoride	SM 4500-F C-2011	I
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011	I
108.139	001	Ammonia (as N)	SM 4500-NH3 C-2011	I
108.139	002	Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 C-2011	I
108.147	001	Ammonia (as N)	SM 4500-NH3 G-2011	I
108.147	002	Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 G-2011	I
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011	I
108.175	001	Phosphate, Ortho (as P)	SM 4500-P E-2011	I
108.175	002	Phosphorus, Total	SM 4500-P E-2011	I
108.184	001	Silica, Dissolved	SM 4500-SiO2 C-2011	I
108.189	001	Sulfite (as SO3)	SM 4500-SO3 B-2011	I
108.201	001	Sulfide (as S)	SM 4500-S D-2011	I
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011	I
108.207	002	Carbonaceous BOD	SM 5210 B-2011	I

108.213	001	Chemical Oxygen Demand	SM 5220 D-2011	I
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011	I

**Field of Accreditation:**109 - Metals and Trace Elements in Non-Potable Water

109.623	001	Aluminum	EPA 200.7	I
109.623	002	Antimony	EPA 200.7	I
109.623	003	Arsenic	EPA 200.7	I
109.623	004	Barium	EPA 200.7	I
109.623	005	Beryllium	EPA 200.7	I
109.623	007	Cadmium	EPA 200.7	I
109.623	008	Chromium	EPA 200.7	I
109.623	009	Cobalt	EPA 200.7	I
109.623	010	Copper	EPA 200.7	I
109.623	011	Iron	EPA 200.7	I
109.623	012	Lead	EPA 200.7	I
109.623	013	Manganese	EPA 200.7	I
109.623	014	Molybdenum	EPA 200.7	I
109.623	015	Nickel	EPA 200.7	I
109.623	016	Selenium	EPA 200.7	I
109.623	017	Silver	EPA 200.7	I
109.623	018	Thallium	EPA 200.7	I
109.623	019	Tin	EPA 200.7	I
109.623	020	Titanium	EPA 200.7	I
109.623	021	Vanadium	EPA 200.7	I
109.623	022	Zinc	EPA 200.7	I
109.625	001	Aluminum	EPA 200.8	I
109.625	002	Antimony	EPA 200.8	I
109.625	003	Arsenic	EPA 200.8	I
109.625	004	Barium	EPA 200.8	I
109.625	005	Beryllium	EPA 200.8	I
109.625	006	Boron	EPA 200.8	I
109.625	007	Cadmium	EPA 200.8	I
109.625	008	Chromium	EPA 200.8	I
109.625	009	Cobalt	EPA 200.8	I
109.625	010	Copper	EPA 200.8	I
109.625	012	Iron	EPA 200.8	I
109.625	013	Lead	EPA 200.8	I
109.625	014	Manganese	EPA 200.8	I
109.625	015	Molybdenum	EPA 200.8	I
109.625	016	Nickel	EPA 200.8	I
109.625	017	Selenium	EPA 200.8	I
109.625	018	Silver	EPA 200.8	I
109.625	019	Thallium	EPA 200.8	I



109.625	021	Titanium	EPA 200.8	I
109.625	022	Vanadium	EPA 200.8	I
109.625	023	Zinc	EPA 200.8	I
109.629	001	Chromium VI (Hexavalent Chromium)	EPA 218.6	I
109.635	001	Mercury	EPA 245.1	I

**Field of Accreditation: 110 - Volatile Organic Constituents in Non-Potable Water**

110.040	001	Acetone	EPA 624.1	I
110.040	003	Acrolein	EPA 624.1	I
110.040	004	Acrylonitrile	EPA 624.1	I
110.040	005	Benzene	EPA 624.1	I
110.040	006	Bromodichloromethane	EPA 624.1	I
110.040	007	Bromoform	EPA 624.1	I
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1	I
110.040	009	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 624.1	I
110.040	010	Carbon Tetrachloride	EPA 624.1	I
110.040	011	Chlorobenzene	EPA 624.1	I
110.040	012	Chloroethane	EPA 624.1	I
110.040	013	2-Chloroethyl vinyl Ether	EPA 624.1	I
110.040	014	Chloroform	EPA 624.1	I
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1	I
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1	I
110.040	017	1,2-Dichlorobenzene	EPA 624.1	I
110.040	018	1,3-Dichlorobenzene	EPA 624.1	I
110.040	019	1,4-Dichlorobenzene	EPA 624.1	I
110.040	020	1,1-Dichloroethane	EPA 624.1	I
110.040	021	1,2-Dichloroethane (Ethylene Dichloride)	EPA 624.1	I
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1	I
110.040	023	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 624.1	I
110.040	024	1,2-Dichloropropane	EPA 624.1	I
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1	I
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 624.1	I
110.040	029	Ethylbenzene	EPA 624.1	I
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1	I
110.040	032	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 624.1	I
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1	I
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1	I
110.040	037	Toluene	EPA 624.1	I
110.040	038	1,1,1-Trichloroethane	EPA 624.1	I
110.040	039	1,1,2-Trichloroethane	EPA 624.1	I
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1	I
110.040	041	Vinyl Chloride	EPA 624.1	I
110.040	043	o-Xylene	EPA 624.1	I

110.040	045	Trichlorofluoromethane	EPA 624.1	I
110.040	046	m+p-Xylene	EPA 624.1	I
110.040	047	2-Butanone (MEK)	EPA 624.1	I

**Field of Accreditation: 111 - Semi-volatile Organic Constituents in Non-Potable Water**

111.055	001	Aldrin	EPA 608.3	I
111.055	002	alpha-BHC	EPA 608.3	I
111.055	003	beta-BHC	EPA 608.3	I
111.055	004	delta-BHC	EPA 608.3	I
111.055	005	gamma-BHC (Lindane)	EPA 608.3	I
111.055	006	Chlordane	EPA 608.3	I
111.055	007	4,4'-DDD	EPA 608.3	I
111.055	008	4,4'-DDE	EPA 608.3	I
111.055	009	4,4'-DDT	EPA 608.3	I
111.055	010	Dieldrin	EPA 608.3	I
111.055	011	Endosulfan I	EPA 608.3	I
111.055	012	Endosulfan II	EPA 608.3	I
111.055	013	Endosulfan Sulfate	EPA 608.3	I
111.055	014	Endrin	EPA 608.3	I
111.055	015	Endrin Aldehyde	EPA 608.3	I
111.055	016	Heptachlor	EPA 608.3	I
111.055	017	Heptachlor Epoxide	EPA 608.3	I
111.055	019	PCB-1016 (Aroclor-1016)	EPA 608.3	I
111.055	020	PCB-1221 (Aroclor-1221)	EPA 608.3	I
111.055	021	PCB-1232 (Aroclor-1232)	EPA 608.3	I
111.055	022	PCB-1242 (Aroclor-1242)	EPA 608.3	I
111.055	023	PCB-1248 (Aroclor-1248)	EPA 608.3	I
111.055	024	PCB-1254 (Aroclor-1254)	EPA 608.3	I
111.055	025	PCB-1260 (Aroclor-1260)	EPA 608.3	I
111.055	046	Methoxychlor	EPA 608.3	I
111.055	060	Toxaphene	EPA 608.3	I
111.160	001	Acenaphthene	EPA 625.1	I
111.160	002	Acenaphthylene	EPA 625.1	I
111.160	003	Anthracene	EPA 625.1	I
111.160	004	Benzidine	EPA 625.1	I
111.160	005	Benzo(a)anthracene	EPA 625.1	I
111.160	006	Benzo(a)pyrene	EPA 625.1	I
111.160	007	Benzo(b)fluoranthene	EPA 625.1	I
111.160	008	Benzo(g,h,i)perylene	EPA 625.1	I
111.160	009	Benzo(k)fluoranthene	EPA 625.1	I
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1	I
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1	I
111.160	012	bis(2-Chloroisopropyl) ether (2,2'-Oxybis[1-chloropropane])	EPA 625.1	I

111.160	013	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 625.1	I
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1	I
111.160	015	Butyl Benzyl Phthalate	EPA 625.1	I
111.160	016	2-Chloronaphthalene	EPA 625.1	I
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1	I
111.160	018	Chrysene	EPA 625.1	I
111.160	019	Dibenz(a,h)anthracene	EPA 625.1	I
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1	I
111.160	021	Diethyl Phthalate	EPA 625.1	I
111.160	022	Dimethyl Phthalate	EPA 625.1	I
111.160	023	Di-n-butyl Phthalate	EPA 625.1	I
111.160	024	2,4-Dinitrotoluene	EPA 625.1	I
111.160	025	2,6-Dinitrotoluene	EPA 625.1	I
111.160	026	Di-n-octyl Phthalate	EPA 625.1	I
111.160	027	Fluoranthene	EPA 625.1	I
111.160	028	Fluorene	EPA 625.1	I
111.160	029	Hexachlorobenzene	EPA 625.1	I
111.160	030	Hexachlorobutadiene	EPA 625.1	I
111.160	031	Hexachloroethane	EPA 625.1	I
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1	I
111.160	033	Isophorone	EPA 625.1	I
111.160	034	Naphthalene	EPA 625.1	I
111.160	035	Nitrobenzene	EPA 625.1	I
111.160	036	N-nitroso-di-n-propylamine	EPA 625.1	I
111.160	037	Phenanthrene	EPA 625.1	I
111.160	038	Pyrene	EPA 625.1	I
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1	I
111.160	040	4-Chloro-3-methylphenol	EPA 625.1	I
111.160	041	2-Chlorophenol	EPA 625.1	I
111.160	042	2,4-Dichlorophenol	EPA 625.1	I
111.160	043	2,4-Dimethylphenol	EPA 625.1	I
111.160	044	2,4-Dinitrophenol	EPA 625.1	I
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1	I
111.160	046	2-Nitrophenol	EPA 625.1	I
111.160	047	4-Nitrophenol	EPA 625.1	I
111.160	048	Pentachlorophenol	EPA 625.1	I
111.160	049	Phenol	EPA 625.1	I
111.160	050	2,4,6-Trichlorophenol	EPA 625.1	I
111.160	108	N-nitrosodimethylamine	EPA 625.1	I
111.160	110	N-nitrosodiphenylamine	EPA 625.1	I
111.160	140	Carbazole	EPA 625.1	I
111.160	141	o-Cresol	EPA 625.1	I

111.160	143	1,2-Diphenylhydrazine	EPA 625.1	I
111.160	145	Pyridine	EPA 625.1	I
111.160	147	m+p-Cresol	EPA 625.1	I
111.160	148	2-Methylnaphthalene	EPA 625.1	I
111.160	151	2,4,5-Trichlorophenol	EPA 625.1	I

**Field of Accreditation: 114 - Inorganic Constituents in Hazardous Waste**

114.315	001	Aluminum	EPA 6010 B
114.315	002	Antimony	EPA 6010 B
114.315	003	Arsenic	EPA 6010 B
114.315	004	Barium	EPA 6010 B
114.315	005	Beryllium	EPA 6010 B
114.315	006	Boron	EPA 6010 B
114.315	007	Cadmium	EPA 6010 B
114.315	008	Calcium	EPA 6010 B
114.315	009	Chromium	EPA 6010 B
114.315	010	Cobalt	EPA 6010 B
114.315	011	Copper	EPA 6010 B
114.315	012	Iron	EPA 6010 B
114.315	013	Lead	EPA 6010 B
114.315	014	Magnesium	EPA 6010 B
114.315	015	Manganese	EPA 6010 B
114.315	016	Molybdenum	EPA 6010 B
114.315	017	Nickel	EPA 6010 B
114.315	018	Potassium	EPA 6010 B
114.315	019	Selenium	EPA 6010 B
114.315	020	Silver	EPA 6010 B
114.315	021	Sodium	EPA 6010 B
114.315	022	Strontium	EPA 6010 B
114.315	023	Thallium	EPA 6010 B
114.315	024	Tin	EPA 6010 B
114.315	025	Titanium	EPA 6010 B
114.315	026	Vanadium	EPA 6010 B
114.315	027	Zinc	EPA 6010 B
114.335	001	Aluminum	EPA 6020
114.335	002	Antimony	EPA 6020
114.335	003	Arsenic	EPA 6020
114.335	004	Barium	EPA 6020
114.335	005	Beryllium	EPA 6020
114.335	006	Cadmium	EPA 6020
114.335	007	Chromium	EPA 6020
114.335	008	Cobalt	EPA 6020
114.335	009	Copper	EPA 6020

114.335 010	Lead	EPA 6020
114.335 011	Manganese	EPA 6020
114.335 012	Nickel	EPA 6020
114.335 013	Silver	EPA 6020
114.335 014	Thallium	EPA 6020
114.335 015	Zinc	EPA 6020
114.335 016	Molybdenum	EPA 6020
114.335 017	Selenium	EPA 6020
114.335 018	Vanadium	EPA 6020
114.435 001	Chromium VI (Hexavalent Chromium)	EPA 7196 A
114.465 001	Chromium VI (Hexavalent Chromium)	EPA 7199
114.535 001	Mercury	EPA 7471 A
114.705 001	Cyanide, Total	EPA 9012 A
114.705 002	Cyanide, Amenable	EPA 9012 A
114.725 001	Cyanide, Total	EPA 9014
114.785 001	Fluoride	EPA 9214

**Field of Accreditation: 115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste**

115.055 001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II
115.085 001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.095 001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312
115.105 001	Ignitability	EPA 1030
115.135 001	Corrosivity - pH Determination	EPA 9045 C

**Field of Accreditation: 116 - Volatile Organic Compounds in Hazardous Waste**

116.220 001	Gasoline Range Organics (GRO)	EPA 8015 B
116.220 002	Gasoline Range Organics (GRO) [LUFT Range]	EPA 8015 B
116.265 001	Benzene	EPA 8260 B
116.265 002	Bromobenzene	EPA 8260 B
116.265 003	Bromochloromethane	EPA 8260 B
116.265 004	Bromodichloromethane	EPA 8260 B
116.265 005	Bromoform	EPA 8260 B
116.265 006	Bromomethane (Methyl Bromide)	EPA 8260 B
116.265 007	n-Butylbenzene	EPA 8260 B
116.265 008	sec-Butylbenzene	EPA 8260 B
116.265 009	tert-Butylbenzene	EPA 8260 B
116.265 010	Carbon Disulfide	EPA 8260 B
116.265 011	Carbon Tetrachloride	EPA 8260 B
116.265 012	Chlorobenzene	EPA 8260 B
116.265 013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 B
116.265 014	Chloroethane	EPA 8260 B
116.265 015	Chloroform	EPA 8260 B
116.265 016	Chloromethane (Methyl Chloride)	EPA 8260 B
116.265 017	Dibromomethane	EPA 8260 B

116.265	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 B
116.265	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 B
116.265	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 B
116.265	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 B
116.265	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 B
116.265	023	Ethylbenzene	EPA 8260 B
116.265	024	Hexachlorobutadiene	EPA 8260 B
116.265	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 B
116.265	026	Methylene Chloride (Dichloromethane)	EPA 8260 B
116.265	027	Naphthalene	EPA 8260 B
116.265	029	N-propylbenzene	EPA 8260 B
116.265	030	Styrene	EPA 8260 B
116.265	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 B
116.265	032	Toluene	EPA 8260 B
116.265	033	Trichloroethylene (Trichloroethene)	EPA 8260 B
116.265	034	Trichlorofluoromethane	EPA 8260 B
116.265	035	Vinyl Chloride	EPA 8260 B
116.265	036	m+p-Xylene	EPA 8260 B
116.265	037	o-Xylene	EPA 8260 B
116.265	040	1,1-Dichloroethane	EPA 8260 B
116.265	041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 B
116.265	042	1,1,1-Trichloroethane	EPA 8260 B
116.265	043	1,1,1,2-Tetrachloroethane	EPA 8260 B
116.265	044	1,1,2,2-Tetrachloroethane	EPA 8260 B
116.265	045	1,1,2-Trichloroethane	EPA 8260 B
116.265	046	1,2-Dichlorobenzene	EPA 8260 B
116.265	047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 B
116.265	048	1,2-Dibromoethane (EDB)	EPA 8260 B
116.265	049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 B
116.265	050	1,2-Dichloropropane	EPA 8260 B
116.265	051	1,2,3-Trichloropropane (TCP)	EPA 8260 B
116.265	052	1,2,4-Trichlorobenzene	EPA 8260 B
116.265	053	1,3-Dichlorobenzene	EPA 8260 B
116.265	054	1,4-Dichlorobenzene	EPA 8260 B
116.265	055	2-Chloroethyl vinyl Ether	EPA 8260 B
116.265	056	4-Chlorotoluene	EPA 8260 B
116.265	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 B
116.265	058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 B
116.265	059	Diisopropyl ether (DIPE)	EPA 8260 B
116.265	061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 B
116.265	062	tert-Amyl Methyl Ether (TAME)	EPA 8260 B
116.266	001	Gasoline Range Organics (GRO)	EPA 8260 B

116.266 002 Gasoline Range Organics (GRO) [LUFT Range] EPA 8260 B

**Field of Accreditation: 117 - Semi-volatile Organic Chemistry of Hazardous Waste**

117.235	002	Diesel Range Organics (DRO)	EPA 8015 B
117.235	003	Diesel Range Organics (DRO) [LUFT Range]	EPA 8015 B
117.315	001	Aldrin	EPA 8081 A
117.315	002	alpha-BHC	EPA 8081 A
117.315	003	beta-BHC	EPA 8081 A
117.315	004	delta-BHC	EPA 8081 A
117.315	005	gamma-BHC (Lindane)	EPA 8081 A
117.315	006	Chlordane (total)	EPA 8081 A
117.315	008	4,4'-DDD	EPA 8081 A
117.315	009	4,4'-DDE	EPA 8081 A
117.315	010	4,4'-DDT	EPA 8081 A
117.315	011	Dieldrin	EPA 8081 A
117.315	012	Endosulfan I	EPA 8081 A
117.315	013	Endosulfan II	EPA 8081 A
117.315	014	Endosulfan Sulfate	EPA 8081 A
117.315	015	Endrin	EPA 8081 A
117.315	016	Endrin Aldehyde	EPA 8081 A
117.315	017	Endrin Ketone	EPA 8081 A
117.315	018	Heptachlor	EPA 8081 A
117.315	019	Heptachlor Epoxide	EPA 8081 A
117.315	020	Methoxychlor	EPA 8081 A
117.315	021	Toxaphene	EPA 8081 A
117.335	001	Aroclor 1016	EPA 8082
117.335	002	Aroclor 1221	EPA 8082
117.335	003	Aroclor 1232	EPA 8082
117.335	004	Aroclor 1242	EPA 8082
117.335	005	Aroclor 1248	EPA 8082
117.335	006	Aroclor 1254	EPA 8082
117.335	007	Aroclor 1260	EPA 8082
117.435	001	Acenaphthene	EPA 8270 C
117.435	002	Acenaphthylene	EPA 8270 C
117.435	003	Aniline	EPA 8270 C
117.435	004	Anthracene	EPA 8270 C
117.435	005	Benzidine	EPA 8270 C
117.435	006	Benzoic Acid	EPA 8270 C
117.435	007	Benzo(a)anthracene	EPA 8270 C
117.435	008	Benzo(b)fluoranthene	EPA 8270 C
117.435	009	Benzo(k)fluoranthene	EPA 8270 C
117.435	010	Benzo(g,h,i)perylene	EPA 8270 C
117.435	011	Benzo(a)pyrene	EPA 8270 C

117.435	012	Benzyl Alcohol	EPA 8270 C
117.435	013	Bis(2-chloroethoxy) Methane	EPA 8270 C
117.435	014	Bis(2-chloroethyl) Ether	EPA 8270 C
117.435	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 C
117.435	016	Butyl Benzyl Phthalate	EPA 8270 C
117.435	017	Chrysene	EPA 8270 C
117.435	018	Dibenz(a,h)anthracene	EPA 8270 C
117.435	019	Dibenzofuran	EPA 8270 C
117.435	020	Di-n-butyl Phthalate	EPA 8270 C
117.435	021	Diethyl Phthalate	EPA 8270 C
117.435	022	Dimethyl Phthalate	EPA 8270 C
117.435	023	Di-n-octyl Phthalate	EPA 8270 C
117.435	024	Fluoranthene	EPA 8270 C
117.435	025	Fluorene	EPA 8270 C
117.435	026	Naphthalene	EPA 8270 C
117.435	027	Nitrobenzene	EPA 8270 C
117.435	029	Pentachlorophenol	EPA 8270 C
117.435	031	1,2-Dichlorobenzene	EPA 8270 C
117.435	032	1,3-Dichlorobenzene	EPA 8270 C
117.435	033	1,4-Dichlorobenzene	EPA 8270 C
117.435	034	2-Chloronaphthalene	EPA 8270 C
117.435	035	2-Chlorophenol	EPA 8270 C
117.435	036	2,4-Dichlorophenol	EPA 8270 C
117.435	037	2,4-Dimethylphenol	EPA 8270 C
117.435	038	2,4-Dinitrophenol	EPA 8270 C
117.435	039	2,4-Dinitrotoluene	EPA 8270 C
117.435	040	2,6-Dichlorophenol	EPA 8270 C
117.435	041	2,6-Dinitrotoluene	EPA 8270 C
117.435	042	2-Nitroaniline	EPA 8270 C
117.435	043	2-Nitrophenol	EPA 8270 C
117.435	044	3-Nitroaniline	EPA 8270 C
117.435	045	3,3'-Dichlorobenzidine	EPA 8270 C
117.435	046	4-Chloroaniline	EPA 8270 C
117.435	047	4-Chloro-3-methylphenol	EPA 8270 C
117.435	048	4-Bromophenyl Phenyl Ether	EPA 8270 C
117.435	049	4-Chlorophenyl Phenyl Ether	EPA 8270 C
117.435	050	4-Nitroaniline	EPA 8270 C
117.435	051	4-Nitrophenol	EPA 8270 C
117.435	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 C
117.435	092	Isophorone	EPA 8270 C
117.435	093	2-Methylnaphthalene	EPA 8270 C
117.435	094	Phenanthrene	EPA 8270 C



**Field of Accreditation:120 - Physical Properties of Hazardous Waste**

120.010	001	Ignitability	EPA 1010
120.022	001	Ignitability	EPA 1030

**Field of Accreditation:130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)**

130.010	001	Aluminum	EPA 6010 B
130.010	002	Antimony	EPA 6010 B
130.010	003	Arsenic	EPA 6010 B
130.010	004	Barium	EPA 6010 B
130.010	005	Beryllium	EPA 6010 B
130.010	006	Boron	EPA 6010 B
130.010	007	Cadmium	EPA 6010 B
130.010	008	Calcium	EPA 6010 B
130.010	009	Chromium	EPA 6010 B
130.010	010	Cobalt	EPA 6010 B
130.010	011	Copper	EPA 6010 B
130.010	012	Iron	EPA 6010 B
130.010	013	Lead	EPA 6010 B
130.010	014	Magnesium	EPA 6010 B
130.010	015	Manganese	EPA 6010 B
130.010	016	Molybdenum	EPA 6010 B
130.010	017	Nickel	EPA 6010 B
130.010	018	Potassium	EPA 6010 B
130.010	019	Selenium	EPA 6010 B
130.010	020	Silver	EPA 6010 B
130.010	021	Sodium	EPA 6010 B
130.010	022	Strontium	EPA 6010 B
130.010	023	Thallium	EPA 6010 B
130.010	025	Titanium	EPA 6010 B
130.010	026	Vanadium	EPA 6010 B
130.010	027	Zinc	EPA 6010 B
130.030	001	Aluminum	EPA 6020
130.030	002	Antimony	EPA 6020
130.030	003	Arsenic	EPA 6020
130.030	004	Barium	EPA 6020
130.030	005	Beryllium	EPA 6020
130.030	006	Cadmium	EPA 6020
130.030	007	Chromium	EPA 6020
130.030	008	Cobalt	EPA 6020
130.030	009	Copper	EPA 6020
130.030	010	Lead	EPA 6020
130.030	011	Manganese	EPA 6020
130.030	012	Nickel	EPA 6020

130.030	013	Silver	EPA 6020
130.030	014	Thallium	EPA 6020
130.030	015	Zinc	EPA 6020
130.030	016	Molybdenum	EPA 6020
130.030	017	Selenium	EPA 6020
130.030	018	Vanadium	EPA 6020
130.140	001	Chromium VI (Hexavalent Chromium)	EPA 7196 A
130.170	001	Chromium VI (Hexavalent Chromium)	EPA 7199
130.250	001	Mercury	EPA 7470 A
130.430	001	Cyanide, Total	EPA 9012 A
130.430	002	Cyanide, Amenable	EPA 9012 A
130.450	001	Cyanide, Total	EPA 9014

**Field of Accreditation:131 - Leaching/Extraction, Physical Characteristics in Hazardous Waste (Matrix Aqueous)**

131.010	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
131.040	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
131.050	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312
131.060	001	Ignitability	EPA 1010
131.110	001	Corrosivity - pH Determination	EPA 9040 B

**Field of Accreditation:132 - Volatile Organic Compounds in Hazardous Waste (Matrix Aqueous)**

132.015	001	Gasoline Range Organics (GRO)	EPA 8015 B
132.015	002	Gasoline Range Organics (GRO) [LUFT Range]	EPA 8015 B
132.060	001	Benzene	EPA 8260 B
132.060	002	Bromobenzene	EPA 8260 B
132.060	003	Bromochloromethane	EPA 8260 B
132.060	004	Bromodichloromethane	EPA 8260 B
132.060	005	Bromoform	EPA 8260 B
132.060	006	Bromomethane (Methyl Bromide)	EPA 8260 B
132.060	007	n-Butylbenzene	EPA 8260 B
132.060	008	sec-Butylbenzene	EPA 8260 B
132.060	009	tert-Butylbenzene	EPA 8260 B
132.060	010	Carbon Disulfide	EPA 8260 B
132.060	011	Carbon Tetrachloride	EPA 8260 B
132.060	012	Chlorobenzene	EPA 8260 B
132.060	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 B
132.060	014	Chloroethane	EPA 8260 B
132.060	015	Chloroform	EPA 8260 B
132.060	016	Chloromethane (Methyl Chloride)	EPA 8260 B
132.060	017	Dibromomethane	EPA 8260 B
132.060	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 B
132.060	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 B
132.060	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 B
132.060	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 B

132.060	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 B
132.060	023	Ethylbenzene	EPA 8260 B
132.060	024	Hexachlorobutadiene	EPA 8260 B
132.060	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 B
132.060	026	Methylene Chloride (Dichloromethane)	EPA 8260 B
132.060	027	Naphthalene	EPA 8260 B
132.060	029	N-propylbenzene	EPA 8260 B
132.060	030	Styrene	EPA 8260 B
132.060	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 B
132.060	032	Toluene	EPA 8260 B
132.060	033	Trichloroethylene (Trichloroethene)	EPA 8260 B
132.060	034	Trichlorofluoromethane	EPA 8260 B
132.060	035	Vinyl Chloride	EPA 8260 B
132.060	036	m+p-Xylene	EPA 8260 B
132.060	037	o-Xylene	EPA 8260 B
132.060	040	1,1-Dichloroethane	EPA 8260 B
132.060	041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 B
132.060	042	1,1,1-Trichloroethane	EPA 8260 B
132.060	043	1,1,1,2-Tetrachloroethane	EPA 8260 B
132.060	044	1,1,2,2-Tetrachloroethane	EPA 8260 B
132.060	045	1,1,2-Trichloroethane	EPA 8260 B
132.060	046	1,2-Dichlorobenzene	EPA 8260 B
132.060	047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 B
132.060	048	1,2-Dibromoethane (EDB)	EPA 8260 B
132.060	049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 B
132.060	050	1,2-Dichloropropane	EPA 8260 B
132.060	051	1,2,3-Trichloropropane (TCP)	EPA 8260 B
132.060	052	1,2,4-Trichlorobenzene	EPA 8260 B
132.060	053	1,3-Dichlorobenzene	EPA 8260 B
132.060	054	1,4-Dichlorobenzene	EPA 8260 B
132.060	055	2-Chloroethyl vinyl Ether	EPA 8260 B
132.060	056	4-Chlorotoluene	EPA 8260 B
132.060	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 B
132.061	001	Gasoline Range Organics (GRO)	EPA 8260 B
132.061	002	Gasoline Range Organics (GRO) [LUFT Range]	EPA 8260 B

**Field of Accreditation: 133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)**

133.090	001	Aldrin	EPA 8081 A
133.090	002	alpha-BHC	EPA 8081 A
133.090	003	beta-BHC	EPA 8081 A
133.090	004	delta-BHC	EPA 8081 A
133.090	005	gamma-BHC (Lindane)	EPA 8081 A
133.090	006	Chlordane	EPA 8081 A

133.090	008	4,4'-DDD	EPA 8081 A
133.090	009	4,4'-DDE	EPA 8081 A
133.090	010	4,4'-DDT	EPA 8081 A
133.090	011	Dieldrin	EPA 8081 A
133.090	012	Endosulfan I	EPA 8081 A
133.090	013	Endosulfan II	EPA 8081 A
133.090	014	Endosulfan Sulfate	EPA 8081 A
133.090	015	Endrin	EPA 8081 A
133.090	016	Endrin Aldehyde	EPA 8081 A
133.090	017	Endrin Ketone	EPA 8081 A
133.090	018	Heptachlor	EPA 8081 A
133.090	019	Heptachlor Epoxide	EPA 8081 A
133.090	020	Methoxychlor	EPA 8081 A
133.090	021	Toxaphene	EPA 8081 A
133.120	001	Aroclor 1016	EPA 8082
133.120	002	Aroclor 1221	EPA 8082
133.120	003	Aroclor 1232	EPA 8082
133.120	004	Aroclor 1242	EPA 8082
133.120	005	Aroclor 1248	EPA 8082
133.120	006	Aroclor 1254	EPA 8082
133.120	007	Aroclor 1260	EPA 8082
133.230	001	Acenaphthene	EPA 8270 C
133.230	002	Acenaphthylene	EPA 8270 C
133.230	003	Aniline	EPA 8270 C
133.230	004	Anthracene	EPA 8270 C
133.230	005	Benzidine	EPA 8270 C
133.230	006	Benzoic Acid	EPA 8270 C
133.230	007	Benzo(a)anthracene	EPA 8270 C
133.230	008	Benzo(b)fluoranthene	EPA 8270 C
133.230	009	Benzo(k)fluoranthene	EPA 8270 C
133.230	010	Benzo(g,h,i)perylene	EPA 8270 C
133.230	011	Benzo(a)pyrene	EPA 8270 C
133.230	012	Benzyl Alcohol	EPA 8270 C
133.230	013	Bis(2-chloroethoxy) Methane	EPA 8270 C
133.230	014	Bis(2-chloroethyl) Ether	EPA 8270 C
133.230	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 C
133.230	016	Butyl Benzyl Phthalate	EPA 8270 C
133.230	017	Chrysene	EPA 8270 C
133.230	019	Dibenzofuran	EPA 8270 C
133.230	020	Di-n-butyl Phthalate	EPA 8270 C
133.230	022	Dimethyl Phthalate	EPA 8270 C
133.230	024	Fluoranthene	EPA 8270 C

133.230	025	Fluorene	EPA 8270 C
133.230	026	Naphthalene	EPA 8270 C
133.230	027	Nitrobenzene	EPA 8270 C
133.230	029	Pentachlorophenol	EPA 8270 C
133.230	031	1,2-Dichlorobenzene	EPA 8270 C
133.230	032	1,3-Dichlorobenzene	EPA 8270 C
133.230	033	1,4-Dichlorobenzene	EPA 8270 C
133.230	034	2-Chloronaphthalene	EPA 8270 C
133.230	035	2-Chlorophenol	EPA 8270 C
133.230	037	2,4-Dimethylphenol	EPA 8270 C
133.230	038	2,4-Dinitrophenol	EPA 8270 C
133.230	039	2,4-Dinitrotoluene	EPA 8270 C
133.230	041	2,6-Dinitrotoluene	EPA 8270 C
133.230	042	2-Nitroaniline	EPA 8270 C
133.230	043	2-Nitrophenol	EPA 8270 C
133.230	044	3-Nitroaniline	EPA 8270 C
133.230	045	3,3'-Dichlorobenzidine	EPA 8270 C
133.230	046	4-Chloroaniline	EPA 8270 C
133.230	047	4-Chloro-3-methylphenol	EPA 8270 C
133.230	048	4-Bromophenyl Phenyl Ether	EPA 8270 C
133.230	049	4-Chlorophenyl Phenyl Ether	EPA 8270 C
133.230	050	4-Nitroaniline	EPA 8270 C
133.230	051	4-Nitrophenol	EPA 8270 C
133.230	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 C
133.230	092	Isophorone	EPA 8270 C
133.230	093	2-Methylnaphthalene	EPA 8270 C
133.230	094	Phenanthrene	EPA 8270 C

**APPENDIX H**  
**First Quarter 2023 Receiving**  
**Water Surveys**

**TABLE H  
RECEIVING WATER SURVEYS**

**FIRST QUARTER 2023  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309**

January 1 through March 31, 2023

**Observation Requirements:** Observations are only made during discharge on a monthly basis when Outfall 002 (Bell Creek), Outfall 008 (Dayton Creek), and Outfall 009 (Arroyo Simi) are flowing. Outfalls 002, 008, and 009 discharged in January, February, and March during the First Quarter 2023.

<b>FIRST QUARTER 2023 ARROYO SIMI OBSERVATIONS AT ARROYO SIMI</b>			
<b>ARROYO SIMI OBSERVATIONS</b>	<b>JANUARY</b>	<b>FEBRUARY</b>	<b>MARCH</b>
Date and time of inspection	1/1/2023, 0920	2/28/2023, 1135	3/4/2023, 1155
Weather conditions	Clear 54°F	Partly cloudy, windy, cold 48°F	Cloudy, cool, 52°F
Color of water	Brown	Brown	Brown
Appearance of oil films or grease, or floating materials	None	None	None
Extent of visible turbidity or color patches	Opaque/brown	Uniform opaque	Uniform translucent
Description of odor, if any	None	None	None
Presence or activity of California Least Tern or California Brown Pelican	No	No	No
Upstream Surface Water Temperature*	54.7°F	53.3°F	53.9°F
Upstream Surface Water pH*	8.4	6.94	6.84

**Notes:**

\* = These data are collected to assist in determining compliance with receiving water limitations during the quarterly sampling. When upstream flow is present, upstream data are compared to the pH and temperature measured at Arroyo Simi sample location RSW-002 (Appendix C) to determine if sample location readings are within 0.5 pH unit and 5°F of the upstream field readings.

<b>FIRST QUARTER 2023 BELL CREEK OBSERVATIONS AT OUTFALL 002</b>			
<b>BELL CREEK OBSERVATIONS</b>	<b>JANUARY</b>	<b>FEBRUARY</b>	<b>MARCH</b>
Date and time of inspection	1/1/2023, 0920	2/23/2023, 0850	3/3/2023, 0715
Weather conditions	Sunny 51°F	Partly cloudy, cold 46°F	Sunny, clear, cold, calm 43°F
Color of water	Brown	Clear	Clear
Appearance of oil films or grease, or floating materials	None	None	None
Extent of visible turbidity or color patches	Translucent	None	None
Description of odor, if any	None	None	None
Presence or activity of California Least Tern or California Brown Pelican	No	No	No

<b>FIRST QUARTER 2023 DAYTON CANYON CREEK OBSERVATIONS AT OUTFALL 008</b>			
<b>DAYTON CANYON CREEK OBSERVATIONS</b>	<b>JANUARY</b>	<b>FEBRUARY</b>	<b>MARCH</b>
Date and time of inspection	1/5/2023, 0845	2/28/2023, 0825	3/5/2023, 0705
Weather conditions	Rainy, cold, light breeze 46°F	Rainy, cold 48°F	Cloudy, cool 51°F
Color of water	Brown	Brown	Clear
Appearance of oil films or grease, or floating materials	None	None	None
Extent of visible turbidity or color patches	Uniform opaque	Uniform opaque	None
Description of odor, if any	None	None	None
Presence or activity of California Least Tern or California Brown Pelican	No	No	No