



The Boeing Company  
Santa Susana Field Laboratory  
5800 Woolsey Canyon Road  
Canoga Park, CA 91304-1148

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Via CIWQS

15 February 2025  
In reply refer to SHEA-116897

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

Subject: Fourth Quarter 2024 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 1 October through 31 December (Fourth Quarter 2024). 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 2023 (California Regional Water Quality Control Board, Los Angeles Region, 2023). 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 to remediate.

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

## **FOURTH QUARTER 2024 DMR COVER LETTER CONTENTS**

This DMR cover letter includes the following sections:

- Stormwater Treatment System Activities
- Discharge and Sample Collection Summary
- Summary of Exceedances and/or Non-Compliance
- Stormwater Pollution Prevention Plan/Best Management Practice Activities
- List of Tables (included as attachment)
  - TABLE 1: SWTS Maintenance Activities, Fourth Quarter 2024
  - TABLE 2: Sampling Record, Fourth Quarter 2024
  - TABLE 3: BMP Activities, Fourth Quarter 2024

## **STORMWATER TREATMENT SYSTEM ACTIVITIES**

The Stormwater Treatment System (SWTS) located near R-1 Pond (SWTS 011) discharges through Outfall 011. The SWTS located at Silvernale Pond (SWTS 018) discharges through Outfall 018. SWTS maintenance activities completed in the Fourth Quarter 2024 are included in Table 1.

SWTS 011 and SWTS 018 did not operate during the Fourth Quarter 2024.

## **DISCHARGE AND SAMPLE COLLECTION SUMMARY**

One qualifying rain event occurred during the Fourth Quarter 2024 (Appendix A). No discharge occurred at any of the outfalls; therefore, no samples were collected. There were no changes in the discharge, as described in the NPDES Permit during the reporting period.

One quarterly off-site receiving water sample was collected at the Arroyo Simi location (RSW-002, Frontier Park; see Figure 2). No discharge occurred at the Arroyo Simi upstream location (RSW-003); therefore, no samples were collected.

Table 2 summarizes the Fourth Quarter 2024 sampling record by outfall or location, sample frequency, and sample type collected per NPDES Permit requirements. Sample results are included in Appendix C.

Boeing affirms that “With the exception of field tests, all analyses were conducted at a laboratory certified for such analyses by the State Water Board, Division of Drinking Water, Environmental Laboratory Accreditation Program or approved by the Executive Officer and in accordance with current U.S. EPA guideline procedures or as specified in this [Monitoring and Reporting Program] MRP.” Validation reports are included in Appendix D.

The annual requirement to include reporting limits, method detection limits, laboratory analytical methods, State Water Resources Control Board Environmental Laboratory Accreditation Program renewal certifications for all laboratories, and associated laboratory quality assurance and quality control (QA/QC) procedures California Integrated Water Quality System (CIWQS) once these data have been received. Details are included in Appendix E.

## **SUMMARY OF EXCEEDANCES AND/OR NON-COMPLIANCE**

No surface water discharges occurred from the Santa Susana Site during Fourth Quarter 2024. As such, there are no on-site compliance issues to report for this period. Additionally, in the quarterly surface water sample collected at Arroyo Simi sampling location (RSW-002, Frontier Park) in Simi Valley, no constituents exceeded receiving water limits.

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

### **BOEING-RELATED ACTIVITIES**

Boeing implemented Best Management Practice (BMP) activities in compliance with the site-wide Stormwater Pollution Prevention Plan (SWPPP; Haley & Aldrich, Inc., 2024) to assist in improving stormwater quality and compliance at the Santa Susana Site. Boeing updated the SWPPP in the First Quarter 2024 to include a summary of areas of past industrial activity, as well as a description of past industrial and current remediation activities, material handling and storage areas.

Additional BMP activities were performed, commenced, or completed during the Fourth Quarter 2024 in coordination with the Expert Panel. Table 3 summarizes the BMP activities completed during the Fourth Quarter 2024 by outfall or BMP location.

In addition to site-wide SWPPP-related activities, specific BMP projects included NASA and DOE activities. These are discussed below.

### **NASA-RELATED ACTIVITIES**

During the Fourth Quarter 2024, NASA continued to inspect and maintain BMPs in accordance with the Construction General Permit (CGP) and maintained fiber rolls and sandbags as perimeter and linear sediment controls in areas where construction activities are occurring (NASA, 2023).

### **DOE-RELATED ACTIVITIES**

DOE reported no BMP-related activities during the Fourth Quarter 2024.

## **CONCLUSIONS**

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. The Expert Panel is reviewing the data collected and will make BMP and monitoring recommendations that will be communicated in the Expert Panel's 2025 Annual Report.

## **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 15th of February 2025 at The Boeing Company, Seal Beach, California Site.

Sincerely,

A handwritten signature in cursive script that reads 'Kim O'Rourke'.

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

**Enclosures:****References**

Table 1: SWTS Maintenance Activities, Fourth Quarter 2024

Table 2: Sampling Record, Fourth Quarter 2024

Table 3: BMP Activities, Fourth Quarter 2024

**Attachments:**

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

Figure 2 - Arroyo Simi Receiving Water Downstream (RSW-002) and Upstream (RSW-003)

Sampling Locations

Appendix A - Rainfall Data Summary, Fourth Quarter 2024

Appendix B - Waste Shipment Summary Table, Fourth Quarter 2024

Appendix C - Discharge Monitoring Data Summary Tables, Fourth Quarter 2024

Appendix D - Validation Reports, Fourth Quarter 2024

Appendix E - Analytical Laboratory Methods, Method Detection Limits, Reporting Limits, QA/QC Procedures, and ELAP Certifications, Fourth Quarter 2024

**REFERENCES**

1. California Regional Water Quality Control Board, Los Angeles Region, 2023. *Waste Discharge Requirements for The Boeing Company, Santa Susana Field Laboratory (Order No. R4-2023-0359, NPDES No. CA0001309, CI Number 6027)*. 19 October.
2. Haley & Aldrich, Inc., 2024. *Stormwater Pollution and Prevention Plan (Version 1 for Compliance with 2023 NPDES Permit)*. 29 March.
3. Jacobs, 2023. *Stormwater Pollution Prevention Plan (SWPPP) for Santa Susanna Field Laboratory Area I Burn Pit Removal Action, Ventura County, California*. August.
4. National Aeronautics and Space Administration, 2021 with revision 2023. *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.
5. Stantec Consulting Services, Inc., 2022. *Stormwater Pollution Prevention Plan for Former Shooting Range Remedial Action, Santa Susana Field Laboratory, Ventura County, California*. August.

## **TABLES**

**SWTS MAINTENANCE ACTIVITIES, FOURTH QUARTER 2024**

THE BOEING COMPANY

SANTA SUSANA FIELD LABORATORY

NPDES PERMIT CA0001309

SWTS	Activities During Fourth Quarter 2024
011	<ul style="list-style-type: none"> <li>- Installed a new dual-contained polymer line for the plate settler.</li> <li>- Cleared vegetation in front of the staff gauge to improve visibility.</li> <li>- Recalibrated flowmeters with a third-party company, Sparling Instruments.</li> <li>- Rebuilt the doors on chemical sheds.</li> <li>- Hydrotested the system and verified it was leak-free.</li> <li>- Coated sand filters with potassium permanganate and ensured the system was fully operational.</li> <li>- Completed replacement of sand media in all sand filters.</li> </ul>
018	<ul style="list-style-type: none"> <li>- Replaced the recirculation pump and motor for the dewatering unit.</li> <li>- Repaired the check valve on Filter Feed Pump, P-106.</li> <li>- Cleared vegetation in front of the staff gauge to improve visibility.</li> <li>- Rebuilt diaphragm pumps on the weir tanks.</li> <li>- Sanded and applied epoxy coating to Weir Tank 1.</li> <li>- Recalibrated flowmeters with a third-party company, Sparling Instruments.</li> <li>- Installed new NEMA waterproof boxes on top of the Actiflo unit to house turbidity and pH meters.</li> <li>- Hydrotested the system and verified it was leak-free.</li> <li>- Coated sand filters with potassium permanganate and ensured the system was fully operational.</li> <li>- Completed replacement of sand media in all sand filters.</li> </ul>
011, 018	<p>SWTS 011 and SWTS 018 did not operate during the Fourth Quarter 2024. As such, no treatment system solids were generated during the the Fourth Quarter 2024.</p>



**TABLE 2**  
**SAMPLING RECORD, FOURTH QUARTER 2024**  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY  
NPDES PERMIT CA0001309

Date (Grab)	Date (Composite)	Outfall/Location	Sample Frequency
12/19/2024	NA	Arroyo Simi Downstream Receiving Water (RSW-002)	Quarterly

**Notes:**

*NA = Not applicable.*

*Quarterly = 1 per quarter.*

**TABLE 3**  
**BMP ACTIVITIES, FOURTH QUARTER 2024**  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

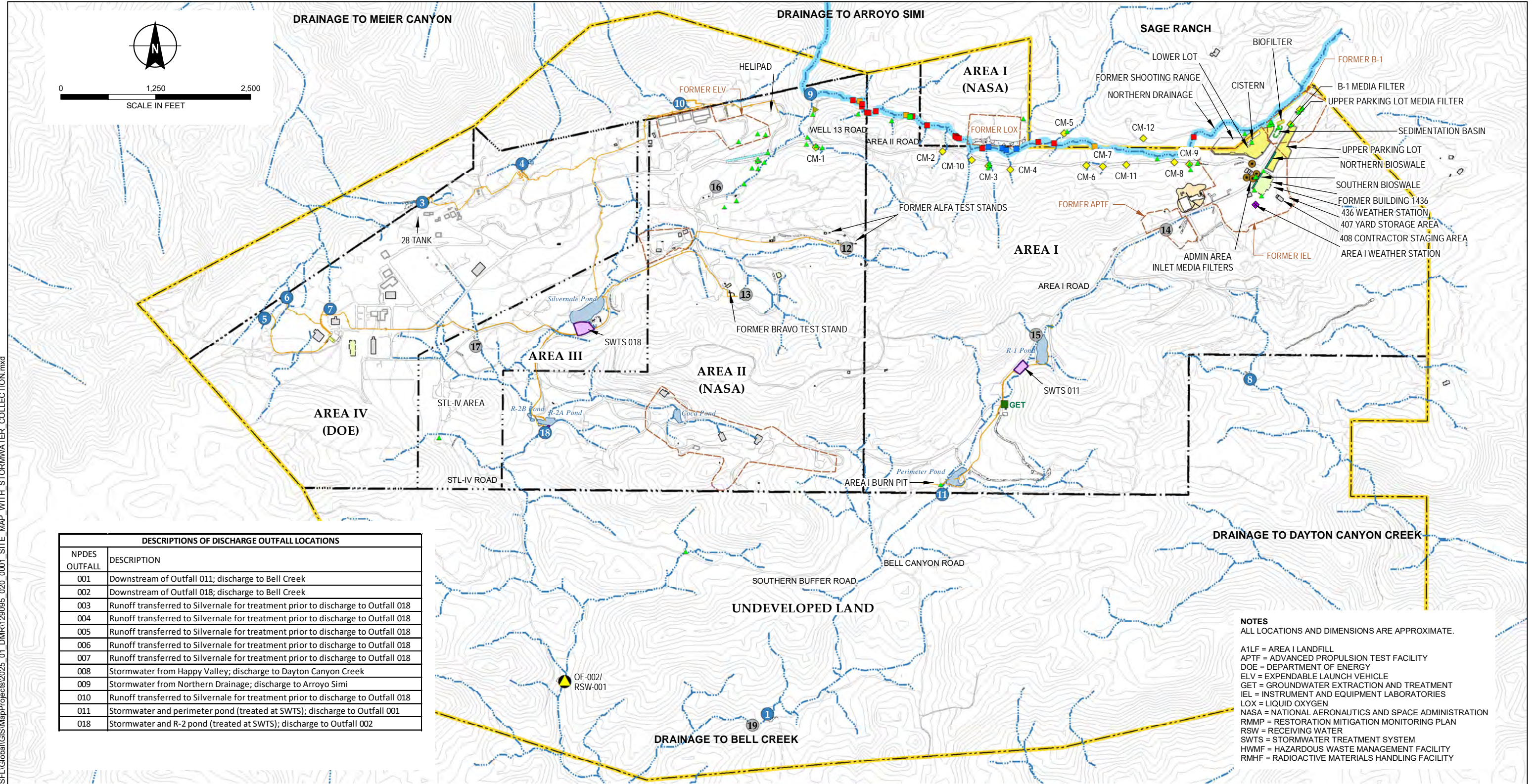
Outfall, Watershed, BMP, or Other Location	BMP Activities During Fourth Quarter 2024
<b>SWPPP-Related Activities</b>	
001, 008	– Routine maintenance only, including maintenance of check structures.
002	– Removed and replaced two culverts (middle & south) on road to Outfall 002. – Removed sediment upstream of outfall.
003	– Replaced solar panels and ran new electrical line for auto-samplers and flowmeters.
004	– Connected hoses for Charles King pump in preparation of rainy season. – Installed new solar panels for auto samplers and flowmeter.
005	– Removed boulder that fell on top of conduit pipe at outfall. – Replaced transformer for power line at outfall.
006	– Connected hoses for Charles King pump in preparation of rainy season. – Replaced transformer for power line at outfall.
007	– Installed new sample strainers for auto samplers in flume.
009	– Removed fallen oak tree at outfall. – Inspected and cleaned out check structures.
010	– Staged and connected hoses for Charles King pump in preparation of rainy season.
011	– Staged and connected hoses for Charles King pump in preparation of rainy season. – Installed new sample strainers for autosamplers in flume.
018	– Installed new sample port at discharge pipe.
Perimeter Pond	– Installed new float switches on Charles King pumps. – Installed additional buoys to pump intake structures. – Staged and connected Charles King pump in preparation of rainy season. – Repaired a breach in the earth dam using sandbags and HDPE liner. – Repaired check structures. – Removed and replaced a damaged culvert near the pond.
R-2A Pond	– Installed additional buoys to pump intake structures. – Installed float switch guard for the conveyance and submersible pumps. – Installed a new float switch for P-104 and a guard structure for the float switch. – Installed hand/guard rails around the walkway area in front of pump P-104 to enhance safety. – Installed lighting for the staff gauge. – Staged two Charles King pumps in preparation for the rainy season and plumbed one pump into the existing discharge line. – Installed new air relief valves and pressure gauges for the conveyance pumps. – Completed preventative maintenance on conveyance pumps P-104 & P-105.
Area I Weather Station	– Performed quarterly calibration.
Helipad	– Staged Charles King pumps in preparation of rainy season. – Repaired wind-damaged HDPE liner on berm.
Lower Lot	– Routine maintenance only.
B-1 Slope	– Routine maintenance only.
408 Yard	– Removed and replaced broken boards on retaining wall.
28 Tank Area	– Staged Charles King pumps in preparation of rainy season.

**TABLE 3**  
**BMP ACTIVITIES, FOURTH QUARTER 2024**  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Outfall, Watershed, BMP, or Other Location	BMP Activities During Fourth Quarter 2024
<b>Other SWPPP-Related Activities</b>	
Former Shooting Range	<ul style="list-style-type: none"> <li>- Performed BMP Inspections, upgrades, and repairs in accordance with the SWPPP for Former Shooting Range Remedial Action (Stantec, 2022).</li> <li>- Installed BMPs including sandbags, fiber rolls, jute netting, gravel, and riprap in excavated areas.</li> <li>- Wrapped the base of all trees with jute netting .</li> <li>- Began repairing the access road for the Shooting Range.</li> </ul>
Area I Burn Pit	<ul style="list-style-type: none"> <li>- Performed BMP Inspections, upgrades, and repairs in accordance with the SWPPP for Area I Burn Pit Removal Action (Jacobs, 2023).</li> <li>- Installed BMPs including sandbags, fiber rolls, jute netting, and riprap in excavated areas.</li> <li>- Applied hydroseed to excavated areas in collaboration with Dietz Hydroseeding.</li> <li>- Began constructing a sandbag berm to prevent water from flowing from the burn pit to Outfall 011.</li> </ul>
STL-IV	<ul style="list-style-type: none"> <li>- Removed and replaced two culverts.</li> </ul>
Northern Drainage	<ul style="list-style-type: none"> <li>- Removed sediment near Outfall 009, Area II landfill, LOX, and land bridge location with SuperVac.</li> <li>- Placed gravel on loose soil at the Area II landfill.</li> <li>- Repaired road leading into Area II landfill.</li> <li>- Reinforced banks at Area II landfill location and LOX area with rip rap and jute netting.</li> <li>- Installed new rip rap check structures and repaired existing check structures at Area II landfill and LOX area.</li> </ul>
<b>Expert Panel-Related Activities</b>	
Culvert Modifications (CM)	<ul style="list-style-type: none"> <li>- Performed BMP Inspections.</li> <li>- Installed new Unistrut post for retaining wall and repaired retaining wall at CM-3.</li> <li>- Removed sediment from CM-3, CM-4, and CM-5.</li> <li>- Replaced filter fabric and media for media bed at CM-3.</li> <li>- Reconstructed CM-12, which included installing a new retaining wall and a new media for media bed.</li> <li>- Reconstructed CM-5 headwall.</li> </ul>
B-1 Area	<ul style="list-style-type: none"> <li>- Performed BMP Inspections.</li> </ul>
Upper Parking Lot Media Filter	<ul style="list-style-type: none"> <li>- Removed accumulated sediment on top of media bed.</li> <li>- Performed BMP Inspections.</li> </ul>
Former Building 1436 Detention Bioswales	<ul style="list-style-type: none"> <li>- Performed BMP Inspections.</li> </ul>
Lower Lot Biofilter (Sedimentation Basin and Biofilter)	<ul style="list-style-type: none"> <li>- Routine maintenance activities.</li> <li>- Installed concrete steps to improve safety during sampling.</li> <li>- No stormwater was pumped from the cistern to the sedimentation basin during the Fourth Quarter 2024.</li> </ul>
Administration Area Inlet Filters	<ul style="list-style-type: none"> <li>- Performed BMP Inspections.</li> </ul>
NASA and Boeing BMP Monitoring-Related Activities	<ul style="list-style-type: none"> <li>- No BMP performance monitoring samples were collected in the Fourth Quarter 2024.</li> </ul>

## FIGURES

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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**

① ACTIVE NPDES OUTFALL LOCATION	● ADMINISTRATION AREA DRAIN INLETS	■ STORMWATER TREATMENT SYSTEM	--- DRAINAGE	■ VEHICLE PARKING AREA	■ EXISTING BUILDING/STRUCTURE
①7 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	■ RMMF LOCATION	--- ASPHALT SWALE	■ SEDIMENT BASIN	■ CONCRETE SLAB IN PLACE
● SLOPE DRAIN DISCHARGE POINT TO NORTHERN DRAINAGE	■ CHECK STRUCTURE - MOSTLY NATURAL SANDSTONE, SOME RIP RAP	■ CHECK STRUCTURE - RIP RAP	--- PAVED ROAD	■ STORAGE TANK	■ LANDFILL AREA
◆ CULVERT MODIFICATION	■ CHECK STRUCTURE - VEGETATED RIP RAP	■ SLOPE DRAIN WITH UNDERLYING CHECK STRUCTURE AND ENERGY DISSIPATING GRAVEL AT INFLUENT END	--- DIRT ROAD	■ BIOSWALE	■ SANTA SUSANA SITE PROPERTY BOUNDARY
			--- 25' ELEVATION CONTOUR	■ GRAVEL	■ ADMINISTRATIVE AREA BOUNDARY
				■ SURFACE WATER POND	

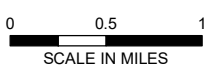
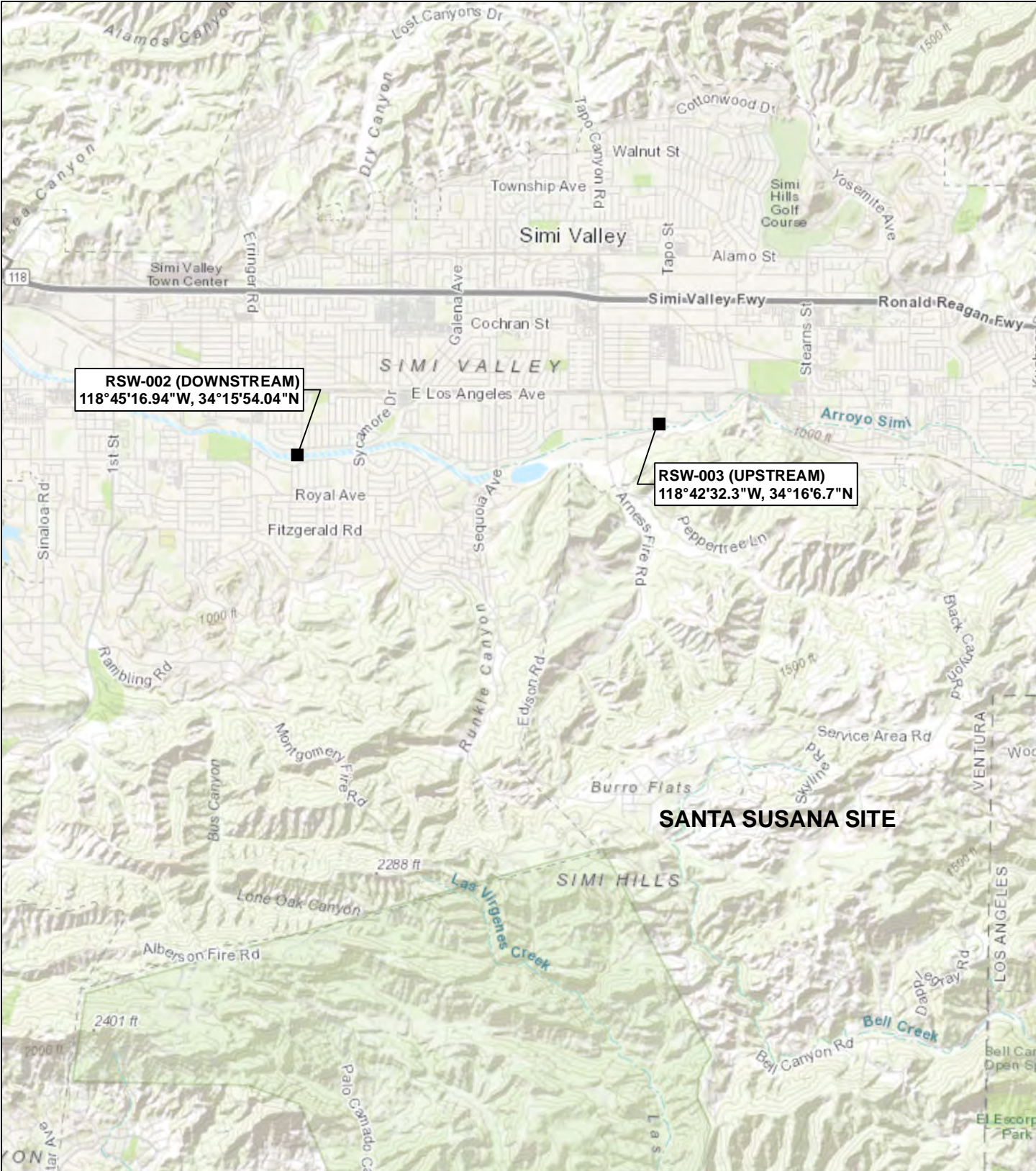
**HALEY ALDRICH**

NPDES PERMIT COMPLIANCE FOURTH QUARTER 2024  
 DISCHARGE MONITORING REPORT  
 THE BOEING COMPANY  
 VENTURA COUNTY, CALIFORNIA

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

FEBRUARY 2025 FIGURE 1

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**HALEY  
ALDRICH**

NPDES PERMIT COMPLIANCE FOURTH QUARTER 2024  
DISCHARGE MONITORING REPORT  
THE BOEING COMPANY  
VENTURA COUNTY, CALIFORNIA

ARROYO SIMI RECEIVING WATER  
SAMPLING LOCATIONS  
RSW-002 (DOWNSTREAM) AND  
RSW-003 (UPSTREAM)

FEBRUARY 2025

FIGURE 2

## **APPENDIX A**

### **Rainfall Data Summary, Fourth Quarter 2024**

**TABLE A**  
**DAILY RAINFALL SUMMARY**  
**FOURTH QUARTER 2024**  
 THE BOEING COMPANY - SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Station: AREA 1  
 Parameter: Inches of Rain  
 Month/Year: October 2024

**HOUR 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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
O	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
F	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	0.01	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	0.01
T	16	0.00	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	0.00	0.00	0.01
	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
H	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
M	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
O	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
N	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
T	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
H	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	0.00	0.00	0.00	0.00	0.00
M	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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																								0.02	



**TABLE A**  
**DAILY RAINFALL SUMMARY**  
**FOURTH QUARTER 2024**  
 THE BOEING COMPANY - SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Station: AREA 1  
 Parameter: Inches of Rain  
 Month/Year: November 2024

**HOUR 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
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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
	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
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
	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
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
	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
O	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
	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
F	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
	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
T	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
H	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	0.00	0.00	0.00	0.00	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	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
	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
O	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
	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01
N	24	0.01	0.02	0.00	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	0.06
	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
T	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	0.02	0.05	0.04	0.03	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.02
	27	0.01	0.01	0.02	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	0.05
H	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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																							0.40	

**TABLE A**  
**DAILY RAINFALL SUMMARY**  
**FOURTH QUARTER 2024**  
 THE BOEING COMPANY - SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Station: AREA 1  
 Parameter: Inches of Rain  
 Month/Year: December 2024

**HOUR 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
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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
	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
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
	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
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
	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
O	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
	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
F	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
	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
T	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
H	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	0.00	0.00	0.00	0.00	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	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
	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
O	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
	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
N	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
T	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	0.02	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	0.05
H	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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																								0.05

**APPENDIX B**

**Waste Shipment Summary Tables, Fourth Quarter 2024**

**TABLE B**  
**WASTE SHIPMENT SUMMARY TABLE**  
 FOURTH QUARTER 2024  
 THE BOEING COMPANY  
 SANTA SUSANA FIELD LABORATORY  
 NPDES PERMIT CA0001309

Transported Spills						
Type of Material	Matrix	Quantity	Units	Transporter 1	Transporter 2	Destination
Non-RCRA Hazardous Waste, Solids, (Debris/Oil)	Solid	8,994	P	Clean Harbors Environmental Services, Inc.	N/A	Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90744

Transported Stormwater						
Type of Stormwater	Matrix	Quantity	Units	Transporter 1	Transporter 2	Destination
Non Hazardous Waste	Liquid	20,000	G	Southwest Processors, Inc. 4120 Bandini Boulevard Vernon, CA 90058	N/A	Southwest Processors, Inc. 4120 Bandini Boulevard Vernon, CA 90058

**Notes:**  
*P = Pounds*  
*G = Gallons*  
*N/A = Not Applicable*

**APPENDIX C**

**Discharge Monitoring Data Summary Table, Fourth Quarter 2024**

**APPENDIX C**

**TABLE OF CONTENTS**

Reporting Summary Notes

C-1. Arroyo Simi Receiving Waters (RSW-002 [Downstream])

**REPORTING SUMMARY NOTES  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY NPDES  
PERMIT CA0001309**

**Not all the following notes, abbreviations, symbols, or acronyms occur on every table:**

1. Exceedances are constituents detected in excess of daily maximum permit limits or receiving water limits. Analytical concentrations or calculations to determine compliance to the National Pollutant Discharge Elimination System (NPDES) permit are compared to the same number of significant figures as the daily maximum permit limits or receiving water limits.
2. Dissolved metals are filtered by the laboratory and reported as “Metal, dissolved”. Total metals are not filtered by the laboratory and reported as “Metal”.
3. If the laboratory reported multiple analytical results for the same analyte, the table shows the result with the lowest reporting limit.
4. 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)	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-1 of attachment A of the 2023 NPDES permit.
*1	Improper preservation of sample.
*3	Initial and or continuing calibration recoveries were outside acceptable control limits.
*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.
*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.).
B	Presumed contamination as indicated by the preparation (method) blank results.
BEF	Bioaccumulation equivalency factor.
C	Calibration %RSD or %D was noncompliant or Correlation coefficient is <0.995.
Comp	Composite sample.
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.
Deg C	Degrees Celsius.

**REPORTING SUMMARY NOTES  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY NPDES  
PERMIT CA0001309**

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.
F	The analyte was detected in an associated field blank (FB) or equipment blank (EB) as well as in the sample.
FB	Field blank.
ft/sec	Feet per second.
gpd	Gallons per day.
H	Holding time was exceeded.
I	Internal standard performance was 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.
L	Laboratory control standard (LCS)/laboratory control standard duplicate (LCSD), relative percent difference (RPD) was outside the control limit.
LBS/DAY	Pounds per day.
MDL	Method detection limit.
Meas	Measure sample type.
MFL	Million fibers per liter.
MGD	Million gallons per day.
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 (i.e., NPDES permit limit not established for the constituent and/or outfall or analyte not required per receiving water monitoring requirements.)
ND	Analyte not detected.
ng/L	Nanograms per liter.
NM	Not measured or determined or minimum detectable activities (MDAs) are not calculated as there is no statistical method for combining MDAs.
NOEC	No observed effect concentration
NPDES	National Pollutant Discharge Elimination System.
NR	Not reported by laboratory by the deadline of this report.
NTU	Nephelometric turbidity unit.
ppb	Parts per billion.



**REPORTING SUMMARY NOTES  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY NPDES  
PERMIT CA0001309**

pCi/L	PicoCuries per liter.
Q	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.
RPD	Relative percent difference.
%R	Percent recovery.
S	Surrogate recovery was outside control limits.
s.u.	Standard unit.
TCDD	2,3,7,8-tetrachlorodibenzo-p-dioxin.
TEQ	Toxic equivalent.
TIC	Tentatively identified compound
TIE	Toxicity identification evaluation
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.
(a)	Analysis not completed due to hold time exceedance or insufficient sample volume.
(b)	The composite sample was collected as a grab sample from the stream due to insufficient flow.
(c)	Total Ammonia is reported in wet weight units' milligrams per kilogram (mg/kg).
(d)	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).
(e)	The composite sample was collected as a grab sample from the sample box due to insufficient flow.
(f)	The grab sample was collected at the first opportunity given the short duration and low flow at this Outfall.
(g)	Unsafe conditions all day prevented access to the Outfall.
(h)	Various constituents were analyzed by laboratory due to field and laboratory error.
(i)	Reanalysis.
(j)	Sample collected in addition to NPDES permit required sampling frequency.
(k)	Composite sample collected from sample box due to cracked autosampler tubing resulting in low volume recovery.
(l)	Various field parameter(s) analyzed out of hold time due to field and/or laboratory error.
(m)	Analysis performed on composite sample instead of grab sample due to field error.

**REPORTING SUMMARY NOTES  
THE BOEING COMPANY  
SANTA SUSANA FIELD LABORATORY NPDES  
PERMIT CA0001309**

(n)	Permit limit does not apply to receiving water.
(o)	Analyte was reported as a TIC.
(p)	Particle size distribution is reported in percent units. Permit asks for particle size distribution units in $\mu\text{m}$ , but data is provided in percent (%).

TABLE C-1

ARROYO SIMI RECEIVING WATERS (RSW-002 [DOWNSTREAM])

FOURTH QUARTER 2024

THE BOEING COMPANY

SANTA SUSANA FIELD LABORATORY

NPDES PERMIT CA0001309

ANALYTE	SAMPLE TYPE	UNITS	DAILY MAXIMUM LIMIT	SAMPLE FREQUENCY	LOCATION	RSW-002			
					DATE RANGE	12/19/2024 7:20			
					RESULT	MDL	RL	LAB/ VALIDATION QUALIFIER	
4,4'-DDD	Grab	µg/L	-	1/Quarter	ND	0.014	0.025	U	
4,4'-DDE	Grab	µg/L	-	1/Quarter	ND	0.009	0.025	U	
4,4'-DDT	Grab	µg/L	-	1/Quarter	ND	0.014	0.025	U	
Aroclor 1016	Grab	µg/L	-	1/Quarter	ND	0.5	0.5	U	
Aroclor 1221	Grab	µg/L	-	1/Quarter	ND	0.5	0.5	U	
Aroclor 1232	Grab	µg/L	-	1/Quarter	ND	0.5	0.5	U	
Aroclor 1242	Grab	µg/L	-	1/Quarter	ND	0.5	0.5	U	
Aroclor 1248	Grab	µg/L	-	1/Quarter	ND	0.5	0.5	U	
Aroclor 1254	Grab	µg/L	-	1/Quarter	ND	0.5	0.5	U	
Aroclor 1260	Grab	µg/L	-	1/Quarter	ND	0.5	0.5	U	
Chlordane	Grab	µg/L	-	1/Quarter	ND	0.22	0.5	U	
Chlorpyrifos	Grab	µg/L	0.014	1/Quarter	ND	0.004	0.01	U	
Diazinon	Grab	µg/L	0.010	1/Quarter	ND	0.0034	0.01	UJ (H)	
Dieldrin	Grab	µg/L	-	1/Quarter	ND	0.0085	0.025	U	
Hardness	Grab	mg/L	-	1/Quarter	700	0.5	7.1	--	
pH (Field)	Grab	s.u.	6.5-8.5	1/Quarter	6.54	NM	NM	*	
Temperature (Field)	Grab	Deg F	80	1/Quarter	51.9	NM	NM	*	
Toxaphene	Grab	µg/L	-	1/Quarter	ND	1.2	2.5	U	
Water Velocity	Grab	ft/sec	-	1/Quarter	0	NM	NM	*	

**APPENDIX D**

**Validation Reports, Fourth Quarter 2024**

## Data Usability Summary Report

**Project Name: The Boeing Company, Santa Susana Field Laboratory, NPDES**

**Project Description: Fourth Quarter 2024 Arroyo Simi (RSW-002)**

**Sample Date(s): 19 December 2024**

**Analytical Laboratory: Eurofins Calscience - Tustin, CA**

**Validation Performed by: Kristina Iliina**

**Validation Reviewed by: Gabrielle Davis**

**Validation Date: 29 January 2025**

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Haley & Aldrich, Inc. (Haley & Aldrich) prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for the Sample Delivery Group(s) (SDG) listed. This DUSR is organized into the following sections:

- 1. Level II, Fourth Quarter 2024, Data Validation**
  - 2. Explanations**
  - 3. Glossary**
  - 4. Abbreviations**
  - 5. Qualifiers**
- References**

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- National Functional Guidelines (NFG) for Inorganic Data Review;
- NFG for Organic Data Review; and
- Project-specific Quality Assurance Project Plan (QAPP), herein referred to as the specified limits (see References section).

Data reported in this sampling event were reported to the laboratory method detection limit (MDL).

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOPs). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQO) for the project and are, therefore, usable; any exceptions are noted in the following pages.

# 1. Level II, Fourth Quarter 2024, Data Validation

## 1.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG numbers:

- 570-211678-1, dated 22 December 2024; and
- 570-211678-2, dated 22 January 2025.

Samples were collected, preserved, and shipped following standard chain of custody (COC) protocol.

- Methods E608.3 and E525.2 subcontracted to Weck Laboratories in City of Industry, CA.

Samples were also received appropriately, identified correctly, and analyzed according to the COC.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
RSW-002_20241219_Grab	N	570-211678-1	12/19/2024	WM	A
RSW-002_20241219_Grab	N	4L19110-01*	12/19/2024	WM	B, C

\*Reported in SDG 570-211678-2.

Method Holding Times			
A.	SM2340	Hardness	180 days for liquid, unpreserved
B.	E525.2	Chlorpyrifos and Diazinon	14 days extraction / 30 days analysis for liquid, unpreserved
C.	E608.3	Organochlorine Pesticides and PCBs by Gas Chromatograph (GC)/ halogen specific detector (HSD)	14 days extraction / 40 days analysis for liquid, unpreserved

## 1.2 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol, with the following exception:

- The nature of diazinon and other relatively unstable target compounds listed under method E525.2 means diazinon should be extracted immediately. However, the laboratory did not prepare the sample until 3 days after receipt. Therefore, diazinon result was qualified UJ.

## 1.3 REPORTING LIMITS AND SAMPLE DILUTIONS

The RLs for the samples within this SDG met or were below the minimum laboratory reporting limit (RL) requirements specified by the project specific QAPP.

All sample dilutions were reviewed and found to be justified. Dilution of the project samples were required to bring calibration of target analytes within calibration range, matrix interference, foaming at the time of purging, or abundance of non-target analytes.

#### 1.4 SURROGATE RECOVERY COMPLIANCE

[Refer to Section E 1.2.](#) The percent recovery (%R) for each surrogate compound added to each project sample were determined to be within the laboratory specified quality control (QC) limits.

#### 1.5 LABORATORY CONTROL SAMPLES

[Refer to Section E 1.3.](#) Compounds associated with the laboratory control samples/laboratory control sample duplicates (LCS/LCSD) analyses associated with client samples exhibited recoveries and relative percent differences (RPDs) within the specified limits.

#### 1.6 MATRIX SPIKE SAMPLES

[Refer to Section E 1.4.](#) The laboratory did not analyze any matrix spike/matrix spike duplicate (MS/MSD) samples in these SDGs.

#### 1.7 BLANK SAMPLE ANALYSIS

[Refer to Section E 1.5.](#) Method blank samples had no detections, indicating that no contamination from laboratory activities occurred.

#### 1.8 DUPLICATE SAMPLE ANALYSIS

[Refer to Section E 1.6.](#) The laboratory did not analyze any laboratory duplicates as per the method or laboratory SOP.

#### 1.9 PRECISION AND ACCURACY

[Refer to Section E 1.7.](#) Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

#### 1.10 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the data quality objectives for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable, as no data was rejected. A summary of qualifiers applied to this data set are summarized in the table below.

Sample ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
RSW-002_20241219_Grab	Diazinon	U	UJ	Holding time exceedance

## 2. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.2 Surrogate Recovery Compliance
  - Surrogates, also known as system monitoring compounds, are compounds added to each sample prior to sample preparation to determine the efficiency of the extraction procedure by evaluating the %R of the compounds.
- E 1.3 Laboratory Control Samples
  - The LCS/LCSD analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.4 Matrix Spike Samples
  - MS/MSD data are used to assess the precision and accuracy of the analytical method and evaluate the effects of the sample matrix on the sample preparation procedures and measurement methodologies.
  - For inorganic methods, when a matrix spike recovery falls outside of the control limits and the sample result is less than four times the spike added, a post-digestion spike (PDS) is performed.
- E 1.5 Blank Sample Analysis
  - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
- E 1.6 Laboratory Duplicate Sample Analysis
  - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
- E 1.7 Precision and Accuracy
  - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the RPD found between a primary and a duplicate sample. This can be an LCS/LCSD pair, a MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.
  - Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the %R of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.



### 3. Glossary

Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
  - EB Equipment Blank Sample
  - FB Field Blank Sample
  - FD Field Duplicate Sample
  - N Primary Sample
  - TB Trip Blank Sample
- Units:
  - % SURVIVAL percent survival
  - $\mu\text{g}/\text{kg}$  microgram per kilogram
  - $\mu\text{g}/\text{L}$  microgram per liter
  - $\mu\text{g}/\text{m}^3$  microgram per cubic meter
  - $\text{mg}/\text{kg}$  milligram per kilogram
  - $\text{mg}/\text{L}$  milligram per liter
  - $\text{mL}/\text{L}$  milliliter per liter
  - $\text{mpn}/100\text{mL}$  most probable number per 100 milliliters
  - NTU nephelometric turbidity unit
  - $\text{pCi}/\text{L}$  picocuries per liter
  - $\text{pg}/\text{g}$  picogram per gram
  - $\text{pg}/\text{L}$  picogram per liter
  - $\text{ppb v/v}$  parts per billion volume/volume
  - $\mu\text{mhos}/\text{cm}$  micromhos per centimeter
- Matrices:
  - AA Ambient Air
  - GS Soil Gas
  - GW/WG Groundwater
  - IA Indoor Air
  - QW Water Quality
  - SE Sediment
  - SO Soil
  - SSV Sub-slab Vapor
  - WM Stormwater
  - WMQ/WQ Water Quality control matrix
  - WS Surface Water
- Table Footnotes:
  - NA Not applicable
  - ND Non-detect
  - NR Not reported
- Common Symbols:
  - % percent
  - < less than
  - $\leq$  less than or equal to
  - > greater than

- $\geq$  greater than or equal to
- = equal
- $^{\circ}\text{C}$  degrees Celsius
- $\pm$  plus or minus
- $\sim$  approximately
- x times (multiplier)
- Fractions:
  - D Dissolved (filtered)
  - N Normal (method cannot be filtered)
  - T Total (unfiltered)

## 4. Abbreviations

Not all of the following symbols, acronyms, or qualifiers occur in this document.

%D	Percent Difference	MDL	Laboratory Method Detection Limit
%R	Percent Recovery	MS/MSD	Matrix Spike/Matrix Spike Duplicate
%RSD	Percent Relative Standard Deviation	NA	not applicable
%v/v	Percent volume by volume	ND	Non-Detect
2s	2 sigma	NFG	National Functional Guidelines
4,4-DDT	4 4-dichlorodiphenyltrichloroethane	NH <sub>3</sub>	Ammonia
Abs Diff	Absolute Difference	NYSDEC	New York State Department of Environmental Conservation
amu	atomic mass unit		
BPJ	Best Professional Judgement	PAH	Polycyclic Aromatic Hydrocarbon
BS	Blank Spike	PCB	Polychlorinated Biphenyl
CCB	Continuing Calibration Blank	PDS	Post Digestion Spike
CCV	Continuing Calibration Verification	PEM	Performance Evaluation Mixture
CCVL	Continuing Calibration Verification Low	PFAS	Per- and Polyfluoroalkyl Substances
		PFBA	Perfluorbutanoic Acid
COC	Chain of Custody	PFD	Perfluorodecalin
COM	Combined Isotope Calculation	PFOA	Perfluorooctanoic Acid
Cr (VI)	Hexavalent Chromium	PFOS	Perfluorooctane sulfonate
CRI	Collision Reaction Interface	PFPeA	Perfluoropentanoic Acid
DoD	Department of Defense	QAPP	Quality Assurance Project Plan
DQO	data quality objective	QC	Quality Control
DUSR	Data Usability Summary Report	QSM	Quality Systems Manual
EIS	Extraction Internal Standard	R <sup>2</sup>	R-squared value
EMPC	Estimated Maximum Possible Concentration	Ra-226	Radium-226
		Ra-228	Radium-228
FBK	Field Blank Contamination	RESC	Resolution Check Measure
FDP	Field Duplicate	RER	Relative Error Ratio
GC	Gas Chromatograph	RL	Laboratory Reporting Limit
GC/MS	Gas Chromatography/Mass Spectrometry	RPD	Relative Percent Difference
		RRF	Relative Response Factors
GPC	Gel Permeation Chromatography	RT	Retention Time
H <sub>2</sub>	Hydrogen gas	SAP	sampling analysis plan
HCl	Hydrochloric Acid	SDG	Sample Delivery Group
HSD	halogen specific detector	SIM	Selected ion monitoring
ICAL	Initial Calibration	SOP	Standard Operating Procedures
ICB	Initial Calibration Blank	SPE	Solid Phase Extraction
ICP/MS	Inductively Coupled Plasma/ Mass Spectrometry	SVOC	Semi-Volatile Organic Compounds
		TCLP	Toxicity Characteristic Leaching Procedure
ICV	Initial Calibration Verification		
ICVL	Initial Calibration Verification Low	TIC	Tentatively Identified Compound
IPA	Isopropyl Alcohol	TKN	Total Kjeldahl Nitrogen
LC	Laboratory Control	TPH	Total Petroleum Hydrocarbon
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate	TPU	Total Propagated Uncertainty
		USEPA	U.S. Environmental Protection Agency
MBK	Method Blank Contamination	VOC	Volatile Organic Compounds
MDC	Minimum Detectable Concentration	WP	Work Plan

## 5. Qualifiers

The qualifiers below are from the USEPA National Functional Guidelines and the data in the DUSR may contain these qualifiers:

- Laboratory Qualifiers:
  - BA Relative percent difference out of control.
  - BU Analyzed out of holding time.
  - BV Sample received after holding time expired.
  - J,DX Results found between the EDL or MDL and laboratory RL.
  - LM MS and/or MSD above acceptance limits. See Blank Spike (LCS).
  - LN MS and/or MSD below acceptance limits. See Blank Spike (LCS).
  - LR LCS/LCSD recovery below method control limits.
  - LQ LCS/LCSD recovery above method control limits.
  - MB Analyte present in the method blank.
  - PI Primary and confirm results varied by > than 40% RPD.
  - 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.
  - U Result is less than the sample detection limit.
- Validation Notes:
  - Based on validation of the data, a qualifier was not required.
  - \*1 Improper preservation of sample.
  - \*3 Initial and/or continuing calibration recoveries were outside acceptable control limits.
  - \*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.
  - \*III Unusual problems found with the data that have been described in the validation report.
  - B Presumed contamination as indicated by the preparation (method) blank results.
  - C Calibration %RSD or %D was noncompliant. [or] Correlation coefficient is <0.995.
  - D The analysis with this flag should not be used because another more technically sound analysis is available.
  - DNQ The reported result is above the method detection limit but is less than the reporting limit.
  - E Duplicates showed poor agreement.

- F Presumed contamination as indicated by the field blank (FB) or equipment blank (EB) results.
- H Holding times were exceeded.
- I Internal standard performance was unsatisfactory. [or] ICP ICS results were unsatisfactory.
- L LCS/LCSD % recovery or RPD was not within control limits.
- L1 Laboratory control standard (LCS)/laboratory control standard duplicate (LCSD), relative percent difference (RPD) was outside the control limit.
- Q MS/MSD recovery or RPD was outside of control limits.
- R Calibration RRF was <0.05 or %R for calibration is not within control limits. [or] %R for calibration is not within control limits.
- RPD Pesticides and PCB Confirmation Column RPD Exceeded.
- S Surrogate recovery was outside QC limits. [or] The sequence or number of standards used for the calibration was incorrect.

- Validation Qualifiers:

- = No Qualifier.
- 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.
- NJ The analyte has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the sample.
- R As a validation qualifier, results are rejected; the presence or absence of analyte cannot be verified.
- U Result not detected.
- UJ The compound was not detected above the reported sample quantitation limit; however, the reported limit is estimated and may or may not represent the actual limit of quantitation.

## References

1. Haley & Aldrich, Inc., 2015. *Quality Assurance Project Field Plan for Santa Susana Field Laboratory Stormwater Sampling Program*. December.
2. United States Environmental Protection Agency (USEPA), 2020a. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. EPA-542-R-20-006. November.
3. USEPA, 2020b. *National Functional Guidelines for Organic Superfund Methods Data Review*. EPA-540-R-20-005. November.

## **APPENDIX E**

**Analytical Laboratory Methods, Method Detection  
Limits, Reporting Limits, QA/QC Procedures, and  
ELAP Certifications, Fourth Quarter 2024**

## APPENDIX E

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Table E - Annual List of Analytical Methods by Analyte with Corresponding Laboratory Reporting Limits and Method Detection Limits

Eurofins Calscience CA Certificate of Environmental Laboratory Accreditation and Fields of Accreditation

Eurofins Sacramento CA Certificate of Environmental Laboratory Accreditation and Fields of Accreditation

Eurofins St. Louis CA Certificate of Environmental Laboratory Accreditation and Fields of Accreditation

Eurofins Seattle CA Certificate of Environmental Laboratory Accreditation and Fields of Accreditation

Eurofins Cleveland CA Certificate of Environmental Laboratory Accreditation and Fields of Accreditation

Eurofins Pittsburgh CA Certificate of Environmental Laboratory Accreditation and Fields of Accreditation

Eurofins Lancaster Laboratories Environment Testing, LLC CA Environmental Laboratory Accreditation and Fields of Accreditation

Eurofins Denver CA Certificate of Environmental Laboratory Accreditation and Fields of Accreditation

Eurofins Calscience Quality Assurance Manual for Environmental Analytical Services

Aquatic Bioassay & Consulting Laboratories, Inc. CA Certificate of Environmental Laboratory Accreditation and Fields of Accreditation

Weck Laboratories, Inc. CA Environmental Laboratory Accreditation and Fields of Accreditation

Enthalpy Analytical, LLC CA Certificate of Environmental Laboratory Accreditation and Fields of Accreditation

EMAX Laboratories, Inc. CA Certificate of Environmental Laboratory Accreditation and Fields of Accreditation



Method	Analyte	Units	2024 Laboratory MDL	2024 Laboratory RL	SWRCB ML	Laboratory vs ML <sup>(1)</sup>	Permit Limits							
							Daily Maximum Limits	Daily Maximum Limits	Daily Maximum Limits	Receiving Water Limits	Receiving Water Limits	Receiving Water Limits	Receiving Water Sediment Limits	
							001, 002, 011, 018	003-007, 009, 010	008	Bell Creek	Arroyo Simi (RSW-002)	Arroyo Simi (RSW-003)	Arroyo Simi	
EPA 624.1	1,1,1-Trichloroethane	µg/L	0.20 - 0.25	0.50	2	--(b)								
EPA 624.1	1,1,2,2-Tetrachloroethane	µg/L	0.12 - 0.2	0.50	1	--(b)								
EPA 624.1	1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	0.25 - 1.5	0.5 - 2.0	n/a	--(d)								
EPA 624.1	1,1,2-Trichloroethane	µg/L	0.087 - 0.18	0.50	2	--(b)								
EPA 624.1	1,1-Dichloroethane	µg/L	0.054 - 0.39	0.50	1	--(b)								
EPA 624.1	1,1-Dichloroethene	µg/L	0.21 - 0.33	0.50	2	--(a)	6.0							
EPA 1613B	1,2,3,4,6,7,8-HpCDD <sup>(8)</sup>	µg/L	1.3E-7 - 4.2E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 1613B	1,2,3,4,6,7,8-HpCDF <sup>(6)</sup>	µg/L	2.9E-7 - 6.5E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 1613B	1,2,3,4,7,8,9-HpCDF <sup>(6)</sup>	µg/L	3.0E-7 - 7.2E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 1613B	1,2,3,4,7,8-HxCDD <sup>(8)</sup>	µg/L	2.2E-7 - 3.5E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 1613B	1,2,3,4,7,8-HxCDF <sup>(6)</sup>	µg/L	2.2E-7 - 4.4E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 1613B	1,2,3,6,7,8-HxCDD <sup>(8)</sup>	µg/L	2.2E-7 - 3.7E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 1613B	1,2,3,6,7,8-HxCDF <sup>(6)</sup>	µg/L	2.0E-7 - 4.2E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 1613B	1,2,3,7,8,9-HxCDD <sup>(8)</sup>	µg/L	2.1E-7 - 5.9E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 1613B	1,2,3,7,8,9-HxCDF <sup>(6)</sup>	µg/L	1.8E-7 - 3.9E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 1613B	1,2,3,7,8-PeCDD <sup>(8)</sup>	µg/L	3.4E-7 - 4.5E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 1613B	1,2,3,7,8-PeCDF <sup>(6)</sup>	µg/L	2.2E-7 - 3.2E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 624.1	1,2,4-Trichlorobenzene	µg/L	0.20 - 0.29	0.50 - 1.0	n/a	--(d)								
EPA 625.1 -Low-level	1,2,4-Trichlorobenzene	µg/L	0.12 - 0.13	0.19 - 0.20	5	--(b)								
EPA 624.1	1,2-Dichloro-1,1,2-trifluoroethane	µg/L	0.58 - 0.59	2.0	n/a	--(d)								
EPA 624.1	1,2-Dichlorobenzene	µg/L	0.14 - 0.17	0.50	2	--(b)								
EPA 625.1 -Low-level	1,2-Dichlorobenzene	µg/L	0.11	0.19 - 0.20	2	--(b)								
EPA 624.1	1,2-Dichloroethane	µg/L	0.055 - 0.15	0.50	2	--(a)	0.5							
EPA 624.1	1,2-Dichloropropane	µg/L	0.065 - 0.17	0.50	1	--(b)								
EPA 625.1 -Low-level	1,2-Diphenylhydrazine/Azobenzene	µg/L	0.087 - 0.092	0.19 - 0.20	1	--(b)								
EPA 624.1	1,3-Dichlorobenzene	µg/L	0.15 - 0.16	0.50	2	--(b)								
EPA 625.1 -Low-level	1,3-Dichlorobenzene	µg/L	0.11	0.19 - 0.20	1	--(b)								
EPA 624.1	1,4-Dichlorobenzene	µg/L	0.081 - 0.11	0.50	2	--(b)								
EPA 625.1 -Low-level	1,4-Dichlorobenzene	µg/L	0.13	0.19 - 0.20	1	--(b)								
8260B - Low-level	1,4-Dioxane	µg/L	0.55	1.0	n/a	--(d)								
EPA 1613B	2,3,4,6,7,8-HxCDF <sup>(6)</sup>	µg/L	1.9E-7 - 3.9E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 1613B	2,3,4,7,8-PeCDF <sup>(6)</sup>	µg/L	2.4E-7 - 2.6E-6	4.8E-5 - 5.3E-5	0.00005	--(b)								
EPA 1613B	2,3,7,8-TCDD <sup>(8)</sup>	µg/L	3.2E-7 - 3.3E-6	9.6E-6 - 1.1E-5	0.00001	--(b)								
EPA 1613B	2,3,7,8-TCDF <sup>(6)</sup>	µg/L	7.2E-8 - 2.8E-6	9.6E-6 - 5.0E-5	0.00001	--(b)								
EPA 625.1 -Low-level	2,4,6-Trichlorophenol	µg/L	0.13 - 0.14	0.95 - 1.0	10	--(a)	13							
EPA 625.1 -Low-level	2,4-Dichlorophenol	µg/L	0.13 - 0.14	0.96 - 1.0	5	--(b)								
EPA 625.1 -Low-level	2,4-Dimethylphenol	µg/L	0.12 - 0.13	0.19 - 0.20	2	--(b)								
EPA 625.1 -Low-level	2,4-Dinitrophenol	µg/L	4.1 - 4.3	4.8 - 5.1	5	--(b)								
EPA 625.1 -Low-level	2,4-Dinitrotoluene	µg/L	0.11 - 0.12	0.19 - 0.21	5	--(a)	18							
EPA 625.1 -Low-level	2,6-Dinitrotoluene	µg/L	0.17 - 0.18	0.19 - 0.20	5	--(b)								
EPA 624.1	2-Chloroethyl vinyl ether	µg/L	0.19 - 1.1	2.0 - 5.0	n/a	--(d)								
EPA 625.1 -Low-level	2-Chloronaphthalene	µg/L	0.14 - 0.15	0.19 - 0.20	10	--(b)								
EPA 625.1 -Low-level	2-Chlorophenol	µg/L	0.091 - 0.097	0.19 - 0.20	5	--(b)								
EPA 625.1 -Low-level	2-Methyl-4,6-Dinitrophenol	µg/L	4.3 - 4.6	4.8 - 5.1	5	--(b)								
EPA 625.1 -Low-level	2-Nitrophenol	µg/L	3.3 - 3.5	4.8 - 5.1	10	--(b)								
EPA 625.1 -Low-level	3,3'-Dichlorobenzidine	µg/L	2.8 - 3.0	4.7 - 5.1	5	--(g)	0.077			0.077				
Pesticides, Low Level (EPA 608.3)	4,4'-DDD	µg/L	0.0027 - 0.0044	0.0067 - 0.050	0.05	--(b)								
Pesticides (SW8081A)	4,4'-DDD	µg/g	0.00014	0.00099	n/a	--(c)								0.002
Pesticides, Low Level (EPA 608.3)	4,4'-DDE	µg/L	0.0018 - 0.010	0.0033 - 0.050	0.05	--(g)	0.00059			0.00059				
Pesticides (SW8081A)	4,4'-DDE	µg/g	0.00014	0.00099	n/a	--(c)								0.0014
Pesticides, Low Level (EPA 608.3)	4,4'-DDT	µg/L	0.0016 - 0.050	0.0033 - 0.050	0.01	--(b)								
Pesticides (SW8081A)	4,4'-DDT	µg/g	0.00023	0.00099	n/a	--(c)								0.0003

Method	Analyte	Units	2024 Laboratory MDL	2024 Laboratory RL	SWRCB ML	Laboratory vs ML <sup>(1)</sup>	Permit Limits							
							Daily Maximum Limits	Daily Maximum Limits	Daily Maximum Limits	Receiving Water Limits	Receiving Water Limits	Receiving Water Limits	Receiving Water Sediment Limits	
							001, 002, 011, 018	003-007, 009, 010	008	Bell Creek	Arroyo Simi (RSW-002)	Arroyo Simi (RSW-003)	Arroyo Simi	
EPA 625.1 -Low-level	4-Bromophenyl phenyl ether	µg/L	0.095 - 0.1	0.19 - 0.20	5	--(b)								
EPA 625.1 -Low-level	4-Chloro-3-methylphenol	µg/L	0.13	0.96 - 1.0	1	--(b)								
EPA 625.1 -Low-level	4-Chlorophenyl phenyl ether	µg/L	0.16 - 0.17	0.19 - 0.20	5	--(b)								
EPA 625.1 -Low-level	4-Nitrophenol	µg/L	3.2 - 3.4	4.8 - 5.1	10	--(b)								
EPA 625.1 -Low-level	Acenaphthene	µg/L	0.094 - 0.099	0.19 - 0.20	1	--(b)								
EPA 625.1 -Low-level	Acenaphthylene	µg/L	0.12 - 0.13	0.19 - 0.20	10	--(b)								
EPA 624.1	Acrolein	µg/L	0.73 - 4.6	5.0	5	--(b)								
EPA 624.1	Acrylonitrile	µg/L	0.36 - 1.4	2.0	2	--(b)								
Pesticides, Low Level (EPA 608.3)	Aldrin	µg/L	0.0010 - 0.0031	0.0033 - 0.050	0.005	--(b)								
Pesticides, Low Level (EPA 608.3)	alpha-BHC	µg/L	0.0012 - 0.0024	0.0013 - 0.050	0.01	--(a)	0.03							
Pesticides, Low Level (EPA 608.3)	alpha-Endosulfan	µg/L	0.0013 - 0.050	0.0013 - 0.050	0.02	--(b)								
ICP/MS 200.8	Aluminum	mg/L	0.0086	0.015	n/a	--(c)	1.0	1.0	1.0					
General Chemistry, EPA 350.1	Ammonia - N	mg/L	0.029	0.075	n/a	--(c)	10.1		10.1					
General Chemistry, SM4500-NH3C	Ammonia - N	mg/Kg	44.9	100	n/a	--(d)								
EPA 625.1 -Low-level	Anthracene	µg/L	0.080 - 0.085	0.19 - 0.20	10	--(b)								
ICP/MS 200.8	Antimony	µg/L	0.36	2.0	0.5	--(a)	6.0	6.0	6.0					
PCB, Low Level (EPA 608.3)	Aroclor 1016	µg/L	0.044 - 0.50	0.10 - 1.0	0.5	--(b)								
PCB (SW8082)	Aroclor 1016	µg/g	0.0078	0.0099	n/a	--(c)								0.12
PCB, Low Level (EPA 608.3)	Aroclor 1221	µg/L	0.044 - 0.50	0.10 - 1.0	0.5	--(b)								
PCB (SW8082)	Aroclor 1221	µg/g	0.0078	0.0099	n/a	--(c)								0.12
PCB, Low Level (EPA 608.3)	Aroclor 1232	µg/L	0.044 - 0.50	0.10 - 1.0	0.5	--(b)								
PCB (SW8082)	Aroclor 1232	µg/g	0.0078	0.0099	n/a	--(c)								0.12
PCB, Low Level (EPA 608.3)	Aroclor 1242	µg/L	0.044 - 0.50	0.10 - 1.0	0.5	--(b)								
PCB (SW8082)	Aroclor 1242	µg/g	0.0078	0.0099	n/a	--(c)								0.12
PCB, Low Level (EPA 608.3)	Aroclor 1248	µg/L	0.044 - 0.50	0.10 - 1.0	0.5	--(b)								
PCB (SW8082)	Aroclor 1248	µg/g	0.0078	0.0099	n/a	--(c)								0.12
PCB, Low Level (EPA 608.3)	Aroclor 1254	µg/L	0.052 - 0.50	0.10 - 1.0	0.5	--(b)								
PCB (SW8082)	Aroclor 1254	µg/g	0.0050	0.0099	n/a	--(c)								0.12
PCB, Low Level (EPA 608.3)	Aroclor 1260	µg/L	0.052 - 0.50	0.10 - 1.0	0.5	--(b)								
PCB (SW8082)	Aroclor 1260	µg/g	0.0050	0.0099	n/a	--(c)								0.12
ICP/MS 200.8	Arsenic	µg/L	0.16	1.0	2	--(a)	10.0		10.0					
EPA 100.2	Asbestos	MFL	n/a <sup>(2)</sup>	0.106	n/a	--(d)								
ICP/MS 200.8	Barium	mg/L	0.00017	0.0010	n/a	--(c)	1.0							
EPA 624.1	Benzene	µg/L	0.057 - 0.28	0.50	2	--(b)								
EPA 625.1 -Low-level	Benzidine	µg/L	2.6 - 2.8	4.7 - 5.1	5	--(g)	0.00054		0.00054					
EPA 625.1 -Low-level	Benzo(a)anthracene	µg/L	0.12	0.19 - 0.20	5	--(b)								
EPA 625.1 -Low-level	Benzo(a)pyrene	µg/L	0.15	0.19 - 0.20	10	--(b)								
EPA 625.1 -Low-level	Benzo(b)fluoranthene	µg/L	0.11	0.19 - 0.20	10	--(b)								
EPA 625.1 -Low-level	Benzo(g,h,i)perylene	µg/L	0.10 - 0.11	0.19 - 0.20	5	--(b)								
EPA 625.1 -Low-level	Benzo(k)fluoranthene	µg/L	0.11	0.19 - 0.20	10	--(b)								
ICP/MS 200.8	Beryllium	µg/L	0.26	0.50	0.5	--(a)	4.0							
Pesticides, Low Level (EPA 608.3)	beta-BHC	µg/L	0.0015 - 0.0039	0.0050 - 0.050	0.005	--(b)								
Pesticides, Low Level (EPA 608.3)	beta-Endosulfan	µg/L	0.0019 - 0.0041	0.0067 - 0.050	0.01	--(b)								
General Chemistry, SM5210B	Biochemical Oxygen Demand (BOD)(5-Day @ 20 deg. C)	mg/L	1.0	2.0	n/a	--(c)	30							
EPA 625.1 -Low-level	Bis (2-chloroethoxy) methane	µg/L	0.10 - 0.11	0.19 - 0.20	5	--(b)								
EPA 625.1 -Low-level	Bis (2-chloroethyl) ether	µg/L	0.099 - 0.11	0.19 - 0.20	1	--(b)								
EPA 625.1 -Low-level	Bis (2-chloroisopropyl) ether	µg/L	0.12 - 0.13	0.19 - 0.20	2	--(b)								
EPA 625.1 -Low-level	Bis (2-ethylhexyl) phthalate	µg/L	3.4 - 3.7	4.7 - 5.2	5	--(a)	4.0	4.0						
EPA-600-R-95-136	Bivalve Embryo Toxicity (Mytilus edulis)	n/a	n/a	n/a	n/a	--(e)								
ICP/MS 200.7	Boron	mg/L	0.0035	0.50	n/a	--(c)		1.0	1.0					
EPA 624.1	Bromoform	µg/L	0.25 - 0.34	0.5 - 1.0	2	--(b)								
EPA 624.1	Bromomethane	µg/L	0.22 - 1.9	0.5 - 2.0	2	--(b)								
EPA 625.1 -Low-level	Butyl benzylphthalate	µg/L	0.64 - 0.68	0.96 - 1.0	10	--(b)								
ICP/MS 200.8	Cadmium	µg/L	0.13	1.0	0.25	--(a)	3.1	4.0	3.1					

Method	Analyte	Units	2024 Laboratory MDL	2024 Laboratory RL	SWRCB ML	Laboratory vs ML <sup>(1)</sup>	Permit Limits						
							Daily Maximum Limits	Daily Maximum Limits	Daily Maximum Limits	Receiving Water Limits	Receiving Water Limits	Receiving Water Limits	Receiving Water Sediment Limits
							001, 002, 011, 018	003-007, 009, 010	008	Bell Creek	Arroyo Simi (RSW-002)	Arroyo Simi (RSW-003)	Arroyo Simi
EPA 624.1	Carbon tetrachloride	µg/L	0.23 - 0.28	0.50	2	-- <sup>(b)</sup>							
Radiochemistry, EPA 901.1	Cesium-137	pCi/L	n/a	20.0 <sup>(4)</sup>	n/a	-- <sup>(d)</sup>							
Pesticides, Low Level (EPA 608.3)	Chlordane	µg/L	0.026 - 0.50	0.033 - 0.50	0.1	-- <sup>(b)</sup>							
Pesticides (SW8081A)	Chlordane	µg/g	0.00081	0.0050	n/a	-- <sup>(c)</sup>							0.0033
General Chemistry, EPA 300	Chloride	mg/L	0.36	1.0	n/a	-- <sup>(c)</sup>	150	150	150				
General Chemistry, (Field Test)	Chlorine, Total Residual <sup>(3)</sup>	mg/L	n/a	0.01	n/a	-- <sup>(c)</sup>	0.1						
EPA 624.1	Chlorobenzene	µg/L	0.12 - 0.19	0.50	2	-- <sup>(b)</sup>							
EPA 624.1	Chlorodibromomethane	µg/L	0.065 - 0.21	0.50	2	-- <sup>(b)</sup>							
EPA 624.1	Chloroethane	µg/L	0.26 - 0.38	0.5 - 1.0	2	-- <sup>(b)</sup>							
EPA 624.1	Chloroform	µg/L	0.17 - 0.23	0.50	2	-- <sup>(b)</sup>							
EPA 624.1	Chloromethane (Methyl Chloride)	µg/L	0.15 - 0.65	0.5 - 1.0	2	-- <sup>(b)</sup>							
EPA 525.2	Chlorpyrifos	µg/L	0.0040 - 0.081	0.010 - 0.20	n/a	-- <sup>(c)</sup>					0.014		
ICP/MS 200.8	Chromium	µg/L	0.14	2.0	0.5	-- <sup>(a)</sup>	16						
EPA 218.6	Chromium III (Trivalent)	µg/L	3.0	50	n/a	-- <sup>(d)</sup>							
EPA 218.6	Chromium VI (Hexavalent)	µg/L	0.051	0.20	n/a	-- <sup>(c)</sup>	16						
EPA-821-R-02-013	Chronic Toxicity	Pass or Fail, % Effect	n/a	n/a	n/a	-- <sup>(e)</sup>	Pass or % Effect <50	Pass or % Effect <50	Pass or % Effect <50				
EPA 625.1 -Low-level	Chrysene	µg/L	0.11	0.19 - 0.20	10	-- <sup>(b)</sup>							
EPA 624.1	cis-1,2-Dichloroethene	µg/L	0.098 - 0.21	0.50	n/a	-- <sup>(d)</sup>							
EPA 624.1	cis-1,3-Dichloropropene	µg/L	0.065 - 0.3	0.50	2	-- <sup>(b)</sup>							
ICP/MS 200.8	Cobalt	µg/L	0.14	1.0	n/a	-- <sup>(d)</sup>							
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				
General Chemistry, SM 2510	Conductivity at 25 C	µmhos/cm	1.0	1.0	n/a	-- <sup>(d)</sup>							
ICP/MS 200.8	Copper	µg/L	0.32	2.0	0.5	-- <sup>(a)</sup>	67.5	31	67.5				
EPA KELADA	Cyanide	µg/L	2.50	5.00	5	-- <sup>(a)</sup>	8.5	9.5	9.5				
EPA 624.1	Cyclohexane	µg/L	0.75 - 0.79	2.0	n/a	-- <sup>(d)</sup>							
Pesticides, Low Level (EPA 608.3)	delta-BHC	µg/L	0.0020 - 0.050	0.0033 - 0.050	0.005	-- <sup>(b)</sup>							
General Chemistry, SM5540	Detergents (as MBAS)	mg/L	0.050	0.20	n/a	-- <sup>(c)</sup>	0.5						
EPA 525.2	Diazinon	µg/L	0.0034 - 0.68	0.010 - 0.20	n/a	-- <sup>(c)</sup>				0.010			
EPA 625.1 -Low-level	Dibenzo(a,h)anthracene	µg/L	0.15 - 0.16	0.19 - 0.20	10	-- <sup>(b)</sup>							
EPA 624.1	Dichlorobromomethane	µg/L	0.084 - 0.19	0.50	2	-- <sup>(b)</sup>							
Pesticides, Low Level (EPA 608.3)	Dieldrin	µg/L	0.0013 - 0.0017	0.0033 - 0.050	0.01	-- <sup>(b)</sup>							
Pesticides (SW8081A)	Dieldrin	µg/g	0.00011	0.00020	n/a	-- <sup>(c)</sup>							0.0002
EPA 625.1 -Low-level	Diethyl phthalate	µg/L	0.17 - 0.18	1.9 - 2.0	2	-- <sup>(b)</sup>							
EPA 625.1 -Low-level	Dimethyl phthalate	µg/L	0.093 - 0.099	1.9 - 2.0	2	-- <sup>(b)</sup>							
EPA 625.1 -Low-level	Di-n-butyl phthalate	µg/L	1.8 - 1.9	1.9 - 2.0	10	-- <sup>(b)</sup>							
EPA 625.1 -Low-level	Di-n-octyl phthalate	µg/L	0.51 - 0.54	2.9 - 3.0	10	-- <sup>(b)</sup>							
General Chemistry, (Field Test)	Dissolved Oxygen <sup>(3)</sup>	mg/L	n/a	0.1	n/a	-- <sup>(d)</sup>							
Biological, SM9223B	E. Coli	MPN/100ml	n/a	1.00	n/a	-- <sup>(c)</sup>				235	320	320	
Pesticides, Low Level (EPA 608.3)	Endosulfan sulfate	µg/L	0.0014 - 0.0029	0.0033 - 0.050	0.05	-- <sup>(b)</sup>							
Pesticides, Low Level (EPA 608.3)	Endrin	µg/L	0.0017 - 0.0023	0.0033 - 0.050	0.01	-- <sup>(b)</sup>							
Pesticides, Low Level (EPA 608.3)	Endrin aldehyde	µg/L	0.0019 - 0.024	0.033 - 0.050	0.01	-- <sup>(b)</sup>							
EPA 624.1	Ethylbenzene	µg/L	0.045 - 0.25	0.50	2	-- <sup>(b)</sup>							
General Chemistry, (Field Test)	Flow <sup>(3)</sup>	mgd	n/a	n/a	n/a	-- <sup>(c)</sup>	117.83	64.33	7.21				
EPA 625.1 -Low-level	Fluoranthene	µg/L	0.096 - 0.10	0.19 - 0.20	1	-- <sup>(b)</sup>							
EPA 625.1 -Low-level	Fluorene	µg/L	0.090 - 0.096	0.19 - 0.20	10	-- <sup>(b)</sup>							
General Chemistry, EPA 300	Fluoride	mg/L	0.046	0.10	n/a	-- <sup>(c)</sup>	1.6	1.6	1.6				
Pesticides, Low Level (EPA 608.3)	gamma-BHC (Lindane)	µg/L	0.00066 - 0.0015	0.0013 - 0.050	0.02	-- <sup>(b)</sup>							
Radiochemistry, EPA 900	Gross Alpha	pCi/L	n/a	3.00 <sup>(4)</sup>	n/a	-- <sup>(c)</sup>	15	15	15				
Radiochemistry, EPA 900	Gross Beta	pCi/L	n/a	4.00 <sup>(4)</sup>	n/a	-- <sup>(c)</sup>	4 <sup>(5)</sup>	4 <sup>(5)</sup>	4 <sup>(5)</sup>				

Method	Analyte	Units	2024 Laboratory MDL	2024 Laboratory RL	SWRCB ML	Laboratory vs ML <sup>(1)</sup>	Permit Limits								
							Daily Maximum Limits	Daily Maximum Limits	Daily Maximum Limits	Receiving Water Limits	Receiving Water Limits	Receiving Water Limits	Receiving Water Sediment Limits		
							001, 002, 011, 018	003-007, 009, 010	008	Bell Creek	Arroyo Simi (RSW-002)	Arroyo Simi (RSW-003)	Arroyo Simi		
SM2340	Hardness (as CaCO3)	mg/L	0.42 - 0.50	2.0 - 7.1	n/a	--(d)									
Pesticides, Low Level (EPA 608.3)	Heptachlor	µg/L	0.0012 - 0.010	0.0013 - 0.050	0.01	--(g)	0.00042								
Pesticides, Low Level (EPA 608.3)	Heptachlor epoxide	µg/L	0.0018 - 0.0039	0.0067 - 0.050	0.01	--(b)									
EPA 625.1 -Low-level	Hexachlorobenzene	µg/L	0.13 - 0.14	0.19 - 0.20	1	--(b)									
EPA 625.1 -Low-level	Hexachlorobutadiene	µg/L	0.15	0.19 - 0.20	1	--(b)									
EPA 625.1 -Low-level	Hexachlorocyclopentadiene	µg/L	0.15	0.19 - 0.20	5	--(b)									
EPA 625.1 -Low-level	Hexachloroethane	µg/L	0.12 - 0.13	0.19 - 0.20	1	--(b)									
EPA 625.1 -Low-level	Indeno(1,2,3-cd)pyrene	µg/L	0.12 - 0.13	0.19 - 0.21	10	--(g)	0.1								
ICP/MS 200.8	Iron	mg/L	0.0037	0.02	n/a	--(d)									
EPA 625.1 -Low-level	Isophorone	µg/L	0.094 - 0.10	0.19 - 0.20	1	--(b)									
ICP/MS 200.8	Lead	µg/L	0.12	1.0	0.5	--(a)	5.2	5.2	5.2						
ICP/MS 200.8	Manganese	µg/L	0.41	1.0	n/a	--(c)	50								
E1631	Mercury	µg/L	0.00020	0.00050	0.5	--(a)	0.10	0.024	0.024						
EPA 624.1	Methylene chloride	µg/L	0.40 - 0.69	1.0 - 2.0	2	--(b)									
SW8315	Monomethyl hydrazine	µg/L	0.62	2.0	n/a	--(d)									
EPA 624.1	Naphthalene	µg/L	0.19 - 0.55	1.0	n/a	--(d)									
EPA 625.1 -Low-level	Naphthalene	µg/L	0.10 - 0.11	0.19 - 0.20	1	--(b)									
ICP/MS 200.8	Nickel	µg/L	0.17	2.0	1	--(a)	94	100	86						
General Chemistry, EPA 300	Nitrate - N	mg/L	0.020	0.10	n/a	--(c)	8		8						
General Chemistry, EPA 300	Nitrate + Nitrite as Nitrogen (N)	mg/L	0.020	0.10	n/a	--(c)	8	10	8						
General Chemistry, EPA 300	Nitrite - N	mg/L	0.043	0.10	n/a	--(c)	1		1						
EPA 625.1 -Low-level	Nitrobenzene	µg/L	0.14 - 0.15	0.19 - 0.20	1	--(b)									
EPA 625.1 -Low-level	n-Nitrosodimethylamine	µg/L	0.18 - 0.19	0.19 - 0.21	5	--(a)	16								
EPA 625.1 -Low-level	n-Nitroso-di-n-propylamine	µg/L	0.14 - 0.15	0.19 - 0.20	5	--(b)									
EPA 625.1 -Low-level	n-Nitrosodiphenylamine	µg/L	0.10 - 0.11	0.19 - 0.20	1	--(b)									
EPA 1613B	OCDD <sup>(8)</sup>	µg/L	5.8E-7 - 8.5E-6	9.6E-5 - 1.1E-4	0.0001	--(b)									
EPA 1613B	OCDP <sup>(8)</sup>	µg/L	4.3E-7 - 3.2E-6	9.6E-5 - 1.1E-4	0.0001	--(b)									
General Chemistry, EPA 1664	Oil & Grease	mg/L	0.49 - 0.54	0.96 - 1.0	n/a	--(c)	15	15	15						
General Chemistry, D4464	Particle Size Distribution <sup>(6)</sup>	%	0.010	0.010	n/a	--(d)									
EPA 625.1 -Low-level	Pentachlorophenol	µg/L	0.80 - 0.88	0.95 - 1.0	5	--(a)	1	1							
SM2540G	Percent Moisture	%	n/a	n/a	n/a	--(d)									
EPA 314.0	Perchlorate	µg/L	0.91	2.0	n/a	--(c)	6.0	6.0	6.0	6.5 to 8.5	6.5 to 8.5	6.5 to 8.5			
General Chemistry, (Field Test)	pH <sup>(3)</sup>	S.U.	n/a	0.01	n/a	--(c)	6.5 to 8.5	6.5 to 8.5	6.5 to 8.5	6.5 to 8.5	6.5 to 8.5	6.5 to 8.5			
EPA 625.1 -Low-level	Phenanthrene	µg/L	0.16 - 0.17	0.19 - 0.20	5	--(b)									
EPA 625.1 -Low-level	Phenol	µg/L	0.50 - 0.53	0.96 - 1.0	1	--(b)									
Radiochemistry, EPA 901.1	Potassium-40	pCi/L	n/a	n/a	n/a	--(d)									
EPA 625.1 -Low-level	Pyrene	µg/L	0.082 - 0.087	0.19 - 0.20	10	--(b)									
EPA-600-R-94-025	Sediment Toxicity (Eohaustorius estuarius)	n/a	n/a	n/a	n/a	--(e)									
ICP/MS 200.8	Selenium	µg/L	0.52	2.0	2	--(a)	8.2		5						
General Chemistry, SM2540F	Settleable Solids	ml/L	0.10	0.10	n/a	--(d)									
ICP/MS 200.8	Silver	µg/L	0.23	1.0	0.25	--(a)	4.1								
Radiochemistry, EPA 905.0	Strontium-90	pCi/L	n/a	3.00 <sup>(4)</sup>	n/a	--(c)	8.0	8.0	8.0						
General Chemistry, EPA 300	Sulfate	mg/L	0.18	1.0	n/a	--(c)	300	250	300						
EPA 1613B	TCDD TEQ <sup>(8)</sup>	µg/L	n/a	n/a	n/a	--(e)	2.8E-08	2.8E-08	2.8E-08						
General Chemistry, (Field Test)	Temperature <sup>(3)</sup>	°F	n/a	0.1	n/a	--(c)	80	80	80	80	80	80			
EPA 624.1	Tetrachloroethene	µg/L	0.099 - 0.21	0.50	2	--(b)									
ICP/MS 200.8	Thallium	µg/L	0.11	1.0	1	--(a)	2.0	2.0	2.0						
EPA 624.1	Toluene	µg/L	0.073 - 0.23	0.50	2	--(b)									
General Chemistry, SM2540C	Total Dissolved Solids	mg/L	8.7 - 17	10 - 20	n/a	--(c)	950	850	950						
General Chemistry, SM5310B	Total Organic Carbon	mg/L	0.265	0.50	n/a	--(d)									
General Chemistry, SW9060	Total Organic Carbon <sup>(7)</sup>	mg/Kg	900	4,000	n/a	--(d)									
General Chemistry, SM2540D	Total Suspended Solids	mg/L	0.80 - 8.0	1.0 - 10	n/a	--(d)									
Pesticides, Low Level (EPA 608.3)	Toxaphene	µg/L	0.054 - 2.5	0.067 - 2.5	0.5	--(b)									

Method	Analyte	Units	2024 Laboratory MDL	2024 Laboratory RL	SWRCB ML	Laboratory vs ML <sup>(1)</sup>	Permit Limits						
							Daily Maximum Limits	Daily Maximum Limits	Daily Maximum Limits	Receiving Water Limits	Receiving Water Limits	Receiving Water Limits	Receiving Water Sediment Limits
							001, 002 011, 018	003-007, 009, 010	008	Bell Creek	Arroyo Simi (RSW-002)	Arroyo Simi (RSW-003)	Arroyo Simi
<b>Pesticides (SW8081A)</b>	Toxaphene	µg/g	0.0030	0.0050	n/a	-- <sup>(f)</sup>							0.0006
<b>EPA 624.1</b>	trans-1,2-Dichloroethene	µg/L	0.14 - 0.24	0.50	1	-- <sup>(b)</sup>							
<b>EPA 624.1</b>	trans-1,3-Dichloropropene	µg/L	0.11 - 0.21	0.50	2	-- <sup>(b)</sup>							
<b>EPA 624.1</b>	Trichloroethene	µg/L	0.10 - 0.17	0.50	2	-- <sup>(a)</sup>	5						
<b>Radiochemistry, EPA 906.0</b>	Tritium	pCi/L	n/a	500 <sup>(4)</sup>	n/a	-- <sup>(c)</sup>	20,000	20,000	20,000				
<b>General Chemistry, SM 2130</b>	Turbidity	NTU	0.050	0.050	n/a	-- <sup>(d)</sup>							
<b>Radiochemistry, HASL-300 U Mod</b>	Uranium	pCi/L	n/a	1.00 <sup>(4)</sup>	n/a	-- <sup>(c)</sup>	20	20	20				
<b>ICP/MS 200.8</b>	Vanadium	µg/L	0.17	2.0	n/a	-- <sup>(d)</sup>							
<b>EPA 624.1</b>	Vinyl chloride	µg/L	0.15 - 0.47	0.50	2	-- <sup>(b)</sup>							
<b>General Chemistry, (Field Test)</b>	Water Velocity <sup>(3)</sup>	ft/sec	n/a	0.1	n/a	-- <sup>(d)</sup>							
<b>ICP/MS 200.8</b>	Zinc	µg/L	2.8	20	1	-- <sup>(h)</sup>	159	120	159				

**Notes:**

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, but does meet 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 MDL for asbestos varies based upon the sample.

(3) Field tests 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.

(5) Permit limit is measured in millirem/year, but sample results are reported in pCi/L.

(6) Particle size distribution is reported in percent units. Permit asks for particle size distribution units in µm, but data is provided in percent (%).

(7) 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).

(8) Dioxins are reported in µg/L. Permit asks for dioxin units in pg/L but data is reported in µg/L.

No SRAM or PFAS parameters not already listed above are included in this table.

**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: **8/1/2024**

Expiration Date: **7/31/2026**

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: 7/31/2026**

**Field of Accreditation: 108 - Inorganic Constituents in Non-Potable Water**

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 SO4)	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
108.070	001	Residue, Total	SM 2540 B-2015
108.072	001	Residue, Filterable TDS	SM 2540 C-2015
108.074	001	Residue, Non-filterable TSS	SM 2540 D-2015
108.076	001	Residue, Volatile	SM 2540 E-2015
108.078	001	Residue, Settleable	SM 2540 F-2015
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
108.124	001	Cyanide, Total	SM 4500-CN- E-2016
108.128	001	Cyanide, Available	SM 4500-CN- G-2016
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
108.153	001	Nitrite (as N)	SM 4500-NO2 B-2011
108.174	001	Oxygen, Dissolved	SM 4500-O G-2016
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
108.206	001	Biochemical Oxygen Demand	SM 5210 B-2016
108.206	002	Carbonaceous BOD	SM 5210 B-2016
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

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**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

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**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

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**Field of Accreditation:111 - Semi-volatile Organic Constituents in Non-Potable Water**

111.055	001	Aldrin	EPA 608.3
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	060	Toxaphene	EPA 608.3
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
111.160 148	2-Methylnaphthalene	EPA 625.1
111.160 151	2,4,5-Trichlorophenol	EPA 625.1

**Field of Accreditation: 114 - Inorganic Constituents in Hazardous Waste**

114.315 001	Aluminum	EPA 6010 B
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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
114.725	001	Cyanide, Total	EPA 9014
114.745	001	Fluoride	EPA 9056
114.755	001	Fluoride	EPA 9056 A
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**


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115.085	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.135	001	Corrosivity - pH Determination	EPA 9045 C
115.145	001	Corrosivity - pH Determination	EPA 9045 D

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**Field of Accreditation:116 - Volatile Organic Compounds in Hazardous Waste**


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116.220	001	Gasoline Range Organics (GRO)	EPA 8015 B
116.221	001	Gasoline Range Organics (GRO)	EPA 8015 C
116.225	001	Benzene	EPA 8021 B
116.225	017	Ethylbenzene	EPA 8021 B
116.225	023	Toluene	EPA 8021 B
116.225	028	m+p-Xylene	EPA 8021 B
116.225	029	o-Xylene	EPA 8021 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	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
116.275	062	tert-Amyl Methyl Ether (TAME)	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
117.485	001	Acetaldehyde	EPA 8315 A
117.485	010	Formaldehyde	EPA 8315 A
117.535	001	1,3,5-Trinitrobenzene	EPA 8330



117.535	002	1,3-Dinitrobenzene	EPA 8330
117.535	003	Nitrobenzene	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

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**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
130.470	001	Fluoride	EPA 9056
130.480	001	Fluoride	EPA 9056 A

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**Field of Accreditation:131 - Leaching/Extraction, Physical Characteristics in Hazardous Waste (Matrix Aqueous)**


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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
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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

**Field of Accreditation: 133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)**

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	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	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	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	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
133.280	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: **2/1/2024**

Expiration Date: **1/31/2026**

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: 1/31/2026**

<b>Field of Accreditation:</b>		<b>102 - Inorganic Chemistry of Drinking Water</b>	
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0

<b>Field of Accreditation:</b>		<b>105 - Semi-volatile Organic Chemistry of Drinking Water</b>	
105.103	001	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-P	EPA 533
105.103	002	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF	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 (PFEEESA)	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-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-P	EPA 537.1
105.106	002	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF	EPA 537.1
105.106	003	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 537.1
105.106	004	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 537.1
105.106	005	N-Ethylperfluorooctane Sulfonylamido Acetic Acid (NEIFOSAA)	EPA 537.1

As of 2/9/2024, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

105.106	006	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOS)	EPA 537.1
105.106	007	Perfluorobutane Sulfonic Acid (PFBS)	EPA 537.1
105.106	008	Perfluorodecanoic Acid (PFDA)	EPA 537.1
105.106	009	Perfluorododecanoic Acid (PFDoA)	EPA 537.1
105.106	010	Perfluoroheptanoic Acid (PFHpA)	EPA 537.1
105.106	011	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 537.1
105.106	012	Perfluorohexanoic Acid (PFHxA)	EPA 537.1
105.106	013	Perfluorononanoic Acid (PFNA)	EPA 537.1
105.106	014	Perfluorooctanoic Acid (PFOA)	EPA 537.1
105.106	015	Perfluorooctane Sulfonic Acid (PFOS)	EPA 537.1
105.106	016	Perfluorotetradecanoic Acid (PFTeDA)	EPA 537.1
105.106	017	Perfluorotridecanoic Acid (PFTrDA)	EPA 537.1
105.106	018	Perfluoroundecanoic Acid (PFUnDA)	EPA 537.1
105.230	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B

<b>Field of Accreditation:</b>	<b>108 - Inorganic Constituents in Non-Potable Water</b>
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108.001	001	Specific Conductance	EPA 120.1
108.009	001	Turbidity	EPA 180.1
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	006	Nitrite (as N)	EPA 300.0
108.017	007	Phosphate,Ortho (as P)	EPA 300.0
108.017	008	Sulfate (as SO4)	EPA 300.0
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2
108.033	002	Nitrite (as N)	EPA 353.2
108.045	001	Chemical Oxygen Demand	EPA 410.4
108.059	001	Turbidity	SM 2130 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011

<b>Field of Accreditation:</b>	<b>111 - Semi-volatile Organic Constituents in Non-Potable Water</b>
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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
111.265	001	Perfluorobutanoic Acid (PFBA)	EPA 1633
111.265	002	Perfluoropentanoic Acid (PFPeA)	EPA 1633
111.265	003	Perfluorohexanoic Acid (PFHxA)	EPA 1633
111.265	004	Perfluoroheptanoic Acid (PFHpA)	EPA 1633
111.265	005	Perfluorooctanoic Acid (PFOA)	EPA 1633
111.265	006	Perfluorononanoic Acid (PFNA)	EPA 1633
111.265	007	Perfluorodecanoic Acid (PFDA)	EPA 1633
111.265	008	Perfluoroundecanoic Acid (PFUnDA)	EPA 1633
111.265	009	Perfluorododecanoic Acid (PFDoA)	EPA 1633
111.265	010	Perfluorotridecanoic Acid (PFTrDA)	EPA 1633
111.265	011	Perfluorotetradecanoic Acid (PFTeDA)	EPA 1633
111.265	012	Perfluorobutane Sulfonic Acid (PFBS)	EPA 1633
111.265	013	Perfluoropentane Sulfonic Acid (PFPeS)	EPA 1633
111.265	014	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 1633
111.265	015	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 1633
111.265	016	Perfluorooctane Sulfonic Acid (PFOS)	EPA 1633
111.265	017	Perfluorononane Sulfonic Acid (PFNS)	EPA 1633
111.265	018	Perfluorodecane Sulfonic Acid (PFDS)	EPA 1633
111.265	019	Perfluorododecanesulfonic acid (PFDoS)	EPA 1633
111.265	020	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	EPA 1633
111.265	021	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	EPA 1633
111.265	022	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	EPA 1633
111.265	023	Perfluorooctane Sulfonamide (PFOSAm)	EPA 1633
111.265	024	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	EPA 1633
111.265	025	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	EPA 1633
111.265	026	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOS)	EPA 1633
111.265	027	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEIFOSAA)	EPA 1633

111.265	028	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	EPA 1633
111.265	029	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	EPA 1633
111.265	030	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 1633
111.265	031	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 1633
111.265	032	Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 1633
111.265	033	Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 1633
111.265	034	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 1633
111.265	035	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF)	EPA 1633
111.265	036	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-P)	EPA 1633
111.265	037	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	EPA 1633
111.265	038	2H,2H,3H,3H-Perfluorohexaanoic Acid (3:3 FTCA)	EPA 1633
111.265	039	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	EPA 1633
111.265	040	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	EPA 1633
111.265	041	Perfluorohexadecanoic Acid (PFHxDA)	EPA 1633
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 (NMeFOS)	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 (PFTeDA)	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-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-P)	DoD QSM Version 5.1 (or newer)
111.345	025	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF)	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)

<b>Field of Accreditation:</b>	<b>115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste</b>
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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

<b>Field of Accreditation:</b>	<b>117 - Semi-volatile Organic Chemistry of Hazardous Waste</b>
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117.435	001	Acenaphthene	EPA 8270 C
117.435	002	Acenaphthylene	EPA 8270 C
117.435	004	Anthracene	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	017	Chrysene	EPA 8270 C
117.435	018	Dibenz(a,h)anthracene	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	091	Indeno(1,2,3-c,d)pyrene	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
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-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-P)	DoD QSM Version 5.1 (or newer)
117.575	008	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF)	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 (NMeFOS)	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 (PFTeDA)	DoD QSM Version 5.1 (or newer)
117.575	030	Perfluorotridecanoic Acid (PFTrDA)	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)

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**Field of Accreditation:** 130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)

130.140	001	Chromium VI (Hexavalent Chromium)	EPA 7196 A
130.170	001	Chromium VI (Hexavalent Chromium)	EPA 7199
130.470	001	Fluoride	EPA 9056
130.480	001	Fluoride	EPA 9056 A

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**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

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**Field of Accreditation:** 133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)

133.230	001	Acenaphthene	EPA 8270 C
133.230	002	Acenaphthylene	EPA 8270 C
133.230	004	Anthracene	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	017	Chrysene	EPA 8270 C
133.230	018	Dibenz(a,h)anthracene	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	091	Indeno(1,2,3-c,d)pyrene	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-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-P)	DoD QSM Version 5.1 (or newer)
133.380	008	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF)	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 (NMeFOS)	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 (PFTeDA)	DoD QSM Version 5.1 (or newer)
133.380	030	Perfluorotridecanoic Acid (PFTrDA)	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: **7/1/2024**

Expiration Date: **6/30/2025**

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: 6/30/2025**

Primary Accreditation  
Body

**Field of Accreditation:106 - Radionuclides in Drinking Water**

106.010	001	Gross Alpha	EPA 900.0	FL
106.010	002	Gross Beta	EPA 900.0	FL
106.050	002	Radium-226	EPA 903.0	FL
106.060	001	Radium-228	EPA 904.0	FL
106.070	003	Strontium-90	EPA 905.0	FL
106.080	001	Tritium	EPA 906.0	FL
106.092	001	Uranium	EPA 200.8	FL
106.220	001	Strontium-89, 90	DOE Sr-02	FL
106.230	001	Uranium	DOE U-02	FL
106.270	001	Gross Alpha	SM 7110 C	FL
106.610	001	Radon-222	SM 7500-Rn	FL

**Field of Accreditation:108 - Inorganic Constituents in Non-Potable Water**

108.013	001	Calcium	EPA 200.7	LA
108.013	002	Magnesium	EPA 200.7	LA
108.013	004	Potassium	EPA 200.7	LA
108.013	006	Sodium	EPA 200.7	LA
108.015	001	Calcium	EPA 200.8	LA
108.015	002	Magnesium	EPA 200.8	LA
108.015	003	Potassium	EPA 200.8	LA
108.015	005	Sodium	EPA 200.8	LA

**Field of Accreditation:109 - Metals and Trace Elements in Non-Potable Water**

109.623	001	Aluminum	EPA 200.7	LA
109.623	002	Antimony	EPA 200.7	LA
109.623	003	Arsenic	EPA 200.7	LA
109.623	004	Barium	EPA 200.7	LA
109.623	005	Beryllium	EPA 200.7	LA
109.623	006	Boron	EPA 200.7	LA
109.623	007	Cadmium	EPA 200.7	LA
109.623	008	Chromium	EPA 200.7	LA
109.623	009	Cobalt	EPA 200.7	LA
109.623	010	Copper	EPA 200.7	LA
109.623	011	Iron	EPA 200.7	LA
109.623	012	Lead	EPA 200.7	LA

As of 10/1/2024 , 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	LA
109.623	014	Molybdenum	EPA 200.7	LA
109.623	015	Nickel	EPA 200.7	LA
109.623	016	Selenium	EPA 200.7	LA
109.623	017	Silver	EPA 200.7	LA
109.623	018	Thallium	EPA 200.7	LA
109.623	019	Tin	EPA 200.7	LA
109.623	020	Titanium	EPA 200.7	LA
109.623	021	Vanadium	EPA 200.7	LA
109.623	022	Zinc	EPA 200.7	LA
109.625	001	Aluminum	EPA 200.8	LA
109.625	002	Antimony	EPA 200.8	LA
109.625	003	Arsenic	EPA 200.8	LA
109.625	004	Barium	EPA 200.8	LA
109.625	005	Beryllium	EPA 200.8	LA
109.625	007	Cadmium	EPA 200.8	LA
109.625	008	Chromium	EPA 200.8	LA
109.625	009	Cobalt	EPA 200.8	LA
109.625	010	Copper	EPA 200.8	LA
109.625	012	Iron	EPA 200.8	LA
109.625	013	Lead	EPA 200.8	LA
109.625	014	Manganese	EPA 200.8	LA
109.625	015	Molybdenum	EPA 200.8	LA
109.625	016	Nickel	EPA 200.8	LA
109.625	017	Selenium	EPA 200.8	LA
109.625	018	Silver	EPA 200.8	LA
109.625	019	Thallium	EPA 200.8	LA
109.625	020	Tin	EPA 200.8	LA
109.625	021	Titanium	EPA 200.8	LA
109.625	022	Vanadium	EPA 200.8	LA
109.625	023	Zinc	EPA 200.8	LA
109.635	001	Mercury	EPA 245.1	LA

**Field of Accreditation:112 - Radionuclides in Non-Potable Water**

112.001	001	Gross Alpha	EPA 900.0	LA
112.001	002	Gross Beta	EPA 900.0	LA
112.003	001	Total Alpha Radium	EPA 903.0	LA

**Field of Accreditation:114 - Inorganic Constituents in Hazardous Waste**

114.325	001	Aluminum	EPA 6010 D	LA
114.325	002	Antimony	EPA 6010 D	LA
114.325	003	Arsenic	EPA 6010 D	LA
114.325	004	Barium	EPA 6010 D	LA
114.325	005	Beryllium	EPA 6010 D	LA

**Eurofins St. Louis****Certificate Number:** 2886**Expiration Date:** 6/30/2025

114.325	006	Boron	EPA 6010 D	LA
114.325	007	Cadmium	EPA 6010 D	LA
114.325	008	Calcium	EPA 6010 D	LA
114.325	009	Chromium	EPA 6010 D	LA
114.325	010	Cobalt	EPA 6010 D	LA
114.325	011	Copper	EPA 6010 D	LA
114.325	012	Iron	EPA 6010 D	LA
114.325	013	Lead	EPA 6010 D	LA
114.325	014	Magnesium	EPA 6010 D	LA
114.325	015	Manganese	EPA 6010 D	LA
114.325	016	Molybdenum	EPA 6010 D	LA
114.325	017	Nickel	EPA 6010 D	LA
114.325	018	Potassium	EPA 6010 D	LA
114.325	019	Selenium	EPA 6010 D	LA
114.325	020	Silver	EPA 6010 D	LA
114.325	021	Sodium	EPA 6010 D	LA
114.325	022	Strontium	EPA 6010 D	LA
114.325	023	Thallium	EPA 6010 D	LA
114.325	024	Tin	EPA 6010 D	LA
114.325	025	Titanium	EPA 6010 D	LA
114.325	026	Vanadium	EPA 6010 D	LA
114.325	027	Zinc	EPA 6010 D	LA
114.345	001	Aluminum	EPA 6020 B	LA
114.345	002	Antimony	EPA 6020 B	LA
114.345	003	Arsenic	EPA 6020 B	LA
114.345	004	Barium	EPA 6020 B	LA
114.345	005	Beryllium	EPA 6020 B	LA
114.345	006	Cadmium	EPA 6020 B	LA
114.345	007	Calcium	EPA 6020 B	LA
114.345	008	Chromium	EPA 6020 B	LA
114.345	009	Cobalt	EPA 6020 B	LA
114.345	010	Copper	EPA 6020 B	LA
114.345	011	Iron	EPA 6020 B	LA
114.345	012	Lead	EPA 6020 B	LA
114.345	013	Magnesium	EPA 6020 B	LA
114.345	014	Manganese	EPA 6020 B	LA
114.345	016	Nickel	EPA 6020 B	LA
114.345	017	Potassium	EPA 6020 B	LA
114.345	018	Selenium	EPA 6020 B	LA
114.345	019	Silver	EPA 6020 B	LA
114.345	020	Sodium	EPA 6020 B	LA
114.345	021	Thallium	EPA 6020 B	LA

As of 10/1/2024 , this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

114.345	022	Vanadium	EPA 6020 B	LA
114.345	023	Zinc	EPA 6020 B	LA
114.345	024	Molybdenum	EPA 6020 B	LA
114.545	001	Mercury	EPA 7471 B	LA

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**Field of Accreditation:118 - Radionuclides in Hazardous Waste**


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118.315	001	Gross Alpha	EPA 9310	LA
118.315	002	Gross Beta	EPA 9310	LA
118.325	001	Total Alpha Radium	EPA 9315	LA
118.335	001	Radium-228	EPA 9320	LA
118.345	001	Gamma Emitters	DOE 4.5.2.3	LA
118.465	001	Strontium	DOE Sr-02	LA
118.485	001	Uranium	DOE U-02	LA

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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	LA
130.020	002	Antimony	EPA 6010 D	LA
130.020	003	Arsenic	EPA 6010 D	LA
130.020	004	Barium	EPA 6010 D	LA
130.020	005	Beryllium	EPA 6010 D	LA
130.020	006	Boron	EPA 6010 D	LA
130.020	007	Cadmium	EPA 6010 D	LA
130.020	008	Calcium	EPA 6010 D	LA
130.020	009	Chromium	EPA 6010 D	LA
130.020	010	Cobalt	EPA 6010 D	LA
130.020	011	Copper	EPA 6010 D	LA
130.020	012	Iron	EPA 6010 D	LA
130.020	013	Lead	EPA 6010 D	LA
130.020	014	Magnesium	EPA 6010 D	LA
130.020	015	Manganese	EPA 6010 D	LA
130.020	016	Molybdenum	EPA 6010 D	LA
130.020	017	Nickel	EPA 6010 D	LA
130.020	018	Potassium	EPA 6010 D	LA
130.020	019	Selenium	EPA 6010 D	LA
130.020	020	Silver	EPA 6010 D	LA
130.020	021	Sodium	EPA 6010 D	LA
130.020	022	Strontium	EPA 6010 D	LA
130.020	023	Thallium	EPA 6010 D	LA
130.020	024	Tin	EPA 6010 D	LA
130.020	025	Titanium	EPA 6010 D	LA
130.020	026	Vanadium	EPA 6010 D	LA
130.020	027	Zinc	EPA 6010 D	LA
130.040	001	Aluminum	EPA 6020 B	LA
130.040	002	Antimony	EPA 6020 B	LA

130.040	003	Arsenic	EPA 6020 B	LA
130.040	004	Barium	EPA 6020 B	LA
130.040	005	Beryllium	EPA 6020 B	LA
130.040	006	Cadmium	EPA 6020 B	LA
130.040	007	Calcium	EPA 6020 B	LA
130.040	008	Chromium	EPA 6020 B	LA
130.040	009	Cobalt	EPA 6020 B	LA
130.040	010	Copper	EPA 6020 B	LA
130.040	011	Iron	EPA 6020 B	LA
130.040	012	Lead	EPA 6020 B	LA
130.040	013	Magnesium	EPA 6020 B	LA
130.040	014	Manganese	EPA 6020 B	LA
130.040	016	Nickel	EPA 6020 B	LA
130.040	017	Potassium	EPA 6020 B	LA
130.040	018	Selenium	EPA 6020 B	LA
130.040	019	Silver	EPA 6020 B	LA
130.040	020	Sodium	EPA 6020 B	LA
130.040	021	Thallium	EPA 6020 B	LA
130.040	022	Vanadium	EPA 6020 B	LA
130.040	023	Zinc	EPA 6020 B	LA
130.040	024	Molybdenum	EPA 6020 B	LA
130.250	001	Mercury	EPA 7470 A	LA

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**Field of Accreditation: 134 - Radionuclides in Hazardous Waste (Matrix Aqueous)**

134.010	001	Gross Alpha	EPA 9310	LA
134.010	002	Gross Beta	EPA 9310	LA
134.020	001	Total Alpha Radium	EPA 9315	LA
134.030	001	Radium-228	EPA 9320	LA
134.040	001	Gamma Emitters	DOE 4.5.2.3	LA
134.170	001	Strontium	DOE Sr-02	LA
134.190	001	Uranium	DOE U-02	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: **7/8/2024**

Expiration Date: **7/7/2025**

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: 7/7/2025**

Primary Accreditation  
Body

**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
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



## Eurofins Seattle

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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

As of 7/8/2024, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

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
114.545	001	Mercury	EPA 7471 B	OR
114.705	001	Cyanide, Total	EPA 9012 A	OR
114.705	002	Cyanide, Amenable	EPA 9012 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

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**Field of Accreditation:115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste**


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115.135	001	Corrosivity - pH Determination	EPA 9045 C	OR
115.145	001	Corrosivity - pH Determination	EPA 9045 D	OR

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**Field of Accreditation:116 - Volatile Organic Compounds in Hazardous Waste**


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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
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

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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
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

As of 7/8/2024, this list supersedes all previous lists for this certificate number.  
 Customers: Please verify the current accreditation standing with the State.

116.275	062	tert-Amyl Methyl Ether (TAME)	EPA 8260 D	OR
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**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	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
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
117.335	001	Aroclor 1016	EPA 8082	OR
117.335	002	Aroclor 1221	EPA 8082	OR
117.335	003	Aroclor 1232	EPA 8082	OR
117.335	004	Aroclor 1242	EPA 8082	OR
117.335	005	Aroclor 1248	EPA 8082	OR
117.335	006	Aroclor 1254	EPA 8082	OR
117.335	007	Aroclor 1260	EPA 8082	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	005	Benzidine	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

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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	040	2,6-Dichlorophenol	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 (NDMA)	EPA 8270 E	OR
117.445	089	N-nitrosodiphenylamine	EPA 8270 E	OR

As of 7/8/2024, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

117.445	090	N-nitroso-di-n-propylamine (NDPA)	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

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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	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
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
130.440	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

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**Field of Accreditation:131 - Leaching/Extraction, Physical Characteristics in Hazardous Waste (Matrix Aqueous)**

131.080	001	Ignitability	EPA 1020 A	OR
131.110	001	Corrosivity - pH Determination	EPA 9040 B	OR
131.120	001	Corrosivity - pH Determination	EPA 9040 C	OR

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**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
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

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**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



## Eurofins Seattle

Certificate Number: 2954

Expiration Date: 7/7/2025

133.090	001	Aldrin	EPA 8081 A	OR
133.090	002	alpha-BHC	EPA 8081 A	OR
133.090	003	beta-BHC	EPA 8081 A	OR
133.090	004	delta-BHC	EPA 8081 A	OR
133.090	005	gamma-BHC (Lindane)	EPA 8081 A	OR
133.090	006	Chlordane	EPA 8081 A	OR
133.090	008	4,4'-DDD	EPA 8081 A	OR
133.090	009	4,4'-DDE	EPA 8081 A	OR
133.090	010	4,4'-DDT	EPA 8081 A	OR
133.090	011	Dieldrin	EPA 8081 A	OR
133.090	012	Endosulfan I	EPA 8081 A	OR
133.090	013	Endosulfan II	EPA 8081 A	OR
133.090	014	Endosulfan Sulfate	EPA 8081 A	OR
133.090	015	Endrin	EPA 8081 A	OR
133.090	016	Endrin Aldehyde	EPA 8081 A	OR
133.090	017	Endrin Ketone	EPA 8081 A	OR
133.090	018	Heptachlor	EPA 8081 A	OR
133.090	019	Heptachlor Epoxide	EPA 8081 A	OR
133.090	020	Methoxychlor	EPA 8081 A	OR
133.090	021	Toxaphene	EPA 8081 A	OR
133.120	001	Aroclor 1016	EPA 8082	OR
133.120	002	Aroclor 1221	EPA 8082	OR
133.120	003	Aroclor 1232	EPA 8082	OR
133.120	004	Aroclor 1242	EPA 8082	OR
133.120	005	Aroclor 1248	EPA 8082	OR
133.120	006	Aroclor 1254	EPA 8082	OR
133.120	007	Aroclor 1260	EPA 8082	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	005	Benzidine	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

## Eurofins Seattle

Certificate Number: 2954

Expiration Date: 7/7/2025

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	040	2,6-Dichlorophenol	EPA 8270 E	OR
133.240	041	2,6-Dinitrotoluene	EPA 8270 E	OR
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 (NDMA)	EPA 8270 E	OR
133.240	089	N-nitrosodiphenylamine	EPA 8270 E	OR
133.240	090	N-nitroso-di-n-propylamine (NDPA)	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

**Eurofins Cleveland**

180 S. Van Buren Avenue

Barberton, OH 44203

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.: **2927**

Effective Date: **2/28/2024**

Expiration Date: **2/27/2025**

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 Cleveland**

180 S. Van Buren Avenue  
Barberton, OH 44203  
Phone: 3304979396

**Certificate Number: 2927**  
**Expiration Date: 2/27/2025**

Primary Accreditation  
Body

<b>Field of Accreditation:</b>		<b>108 - Inorganic Constituents in Non-Potable Water</b>		
108.001	001	Specific Conductance	EPA 120.1	OR
108.009	001	Turbidity	EPA 180.1	OR
108.013	001	Calcium	EPA 200.7	OR
108.013	002	Magnesium	EPA 200.7	OR
108.013	004	Potassium	EPA 200.7	OR
108.013	005	Silica, Dissolved	EPA 200.7	OR
108.013	006	Sodium	EPA 200.7	OR
108.015	001	Calcium	EPA 200.8	OR
108.015	002	Magnesium	EPA 200.8	OR
108.015	003	Potassium	EPA 200.8	OR
108.015	005	Sodium	EPA 200.8	OR
108.017	001	Bromide	EPA 300.0	OR
108.017	002	Chloride	EPA 300.0	OR
108.017	003	Fluoride	EPA 300.0	OR
108.017	004	Nitrate (as N)	EPA 300.0	OR
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0	OR
108.017	006	Nitrite (as N)	EPA 300.0	OR
108.017	008	Sulfate (as SO4)	EPA 300.0	OR
108.025	001	Ammonia (as N)	EPA 350.1	OR
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2	OR
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2	OR
108.037	001	Phosphate, Ortho (as P)	EPA 365.3	OR
108.037	002	Phosphorus, Total	EPA 365.3	OR
108.045	001	Chemical Oxygen Demand	EPA 410.4	OR
108.049	001	Phenols, Total	EPA 420.4	OR
108.053	002	Oil & Grease, Total Recoverable	EPA 1664 B	OR
108.063	001	Alkalinity	SM 2320 B-2011	OR
108.065	001	Hardness (Calculation)	SM 2340 B-2011	OR
108.069	001	Specific Conductance	SM 2510 B-2011	OR
108.070	001	Residue, Total	SM 2540 B-2015	OR
108.072	001	Residue, Filterable TDS	SM 2540 C-2015	OR
108.074	001	Residue, Non-filterable TSS	SM 2540 D-2015	OR
108.078	001	Residue, Settleable	SM 2540 F-2015	OR

As of 2/28/2024, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011	OR
108.149	001	Ammonia (as N)	SM 4500-NH3 H-2011	OR
108.175	001	Phosphate,Ortho (as P)	SM 4500-P E-2011	OR
108.175	002	Phosphorus,Total	SM 4500-P E-2011	OR
108.203	001	Sulfide (as S)	SM 4500-S F-2011	OR
108.206	001	Biochemical Oxygen Demand	SM 5210 B-2016	OR
108.206	002	Carbonaceous BOD	SM 5210 B-2016	OR
108.213	001	Chemical Oxygen Demand	SM 5220 D-2011	OR
108.216	001	Organic Carbon-Total (TOC)	SM 5310 C-2014	OR
108.225	001	Surfactants	SM 5540 C-2011	OR
108.335	001	Cyanide, Total	Kelada-01	OR
108.335	002	Cyanide, Available	Kelada-01	OR

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**Field of Accreditation:** 109 - Metals and Trace Elements in Non-Potable Water

109.623	001	Aluminum	EPA 200.7	OR
109.623	002	Antimony	EPA 200.7	OR
109.623	003	Arsenic	EPA 200.7	OR
109.623	004	Barium	EPA 200.7	OR
109.623	005	Beryllium	EPA 200.7	OR
109.623	006	Boron	EPA 200.7	OR
109.623	007	Cadmium	EPA 200.7	OR
109.623	008	Chromium	EPA 200.7	OR
109.623	009	Cobalt	EPA 200.7	OR
109.623	010	Copper	EPA 200.7	OR
109.623	011	Iron	EPA 200.7	OR
109.623	012	Lead	EPA 200.7	OR
109.623	013	Manganese	EPA 200.7	OR
109.623	014	Molybdenum	EPA 200.7	OR
109.623	015	Nickel	EPA 200.7	OR
109.623	016	Selenium	EPA 200.7	OR
109.623	017	Silver	EPA 200.7	OR
109.623	018	Thallium	EPA 200.7	OR
109.623	019	Tin	EPA 200.7	OR
109.623	020	Titanium	EPA 200.7	OR
109.623	021	Vanadium	EPA 200.7	OR
109.623	022	Zinc	EPA 200.7	OR
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	006	Boron	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	020	Tin	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
109.635	001	Mercury	EPA 245.1	OR
109.657	001	Mercury	EPA 1631 E	OR
109.685	002	Chromium VI (Hexavalent Chromium)	SM 3500-Cr B-2011	OR

**Field of Accreditation:****110 - Volatile Organic Constituents in Non-Potable Water**

110.040	001	Acetone	EPA 624.1	OR
110.040	002	Acetonitrile	EPA 624.1	OR
110.040	003	Acrolein	EPA 624.1	OR
110.040	004	Acrylonitrile	EPA 624.1	OR
110.040	005	Benzene	EPA 624.1	OR
110.040	006	Bromodichloromethane	EPA 624.1	OR
110.040	007	Bromoform	EPA 624.1	OR
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1	OR
110.040	009	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 624.1	OR
110.040	010	Carbon Tetrachloride	EPA 624.1	OR
110.040	011	Chlorobenzene	EPA 624.1	OR
110.040	012	Chloroethane	EPA 624.1	OR
110.040	013	2-Chloroethyl vinyl Ether	EPA 624.1	OR
110.040	014	Chloroform	EPA 624.1	OR
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1	OR
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1	OR
110.040	017	1,2-Dichlorobenzene	EPA 624.1	OR
110.040	018	1,3-Dichlorobenzene	EPA 624.1	OR
110.040	019	1,4-Dichlorobenzene	EPA 624.1	OR
110.040	020	1,1-Dichloroethane	EPA 624.1	OR
110.040	021	1,2-Dichloroethane (Ethylene Dichloride)	EPA 624.1	OR
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1	OR
110.040	023	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 624.1	OR

110.040	024	1,2-Dichloropropane	EPA 624.1	OR
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1	OR
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 624.1	OR
110.040	028	Ethyl Acetate	EPA 624.1	OR
110.040	029	Ethylbenzene	EPA 624.1	OR
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1	OR
110.040	032	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 624.1	OR
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1	OR
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1	OR
110.040	036	Tetrahydrofuran	EPA 624.1	OR
110.040	037	Toluene	EPA 624.1	OR
110.040	038	1,1,1-Trichloroethane	EPA 624.1	OR
110.040	039	1,1,2-Trichloroethane	EPA 624.1	OR
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1	OR
110.040	041	Vinyl Chloride	EPA 624.1	OR
110.040	042	m-Xylene	EPA 624.1	OR
110.040	043	o-Xylene	EPA 624.1	OR
110.040	044	p-Xylene	EPA 624.1	OR
110.040	045	Trichlorofluoromethane	EPA 624.1	OR
110.040	046	m+p-Xylene	EPA 624.1	OR
110.040	047	2-Butanone (MEK)	EPA 624.1	OR

<b>Field of Accreditation:</b>	<b>111 - Semi-volatile Organic Constituents in Non-Potable Water</b>
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111.055	001	Aldrin	EPA 608.3	OR
111.055	002	alpha-BHC	EPA 608.3	OR
111.055	003	beta-BHC	EPA 608.3	OR
111.055	004	delta-BHC	EPA 608.3	OR
111.055	005	gamma-BHC (Lindane)	EPA 608.3	OR
111.055	006	Chlordane	EPA 608.3	OR
111.055	007	4,4'-DDD	EPA 608.3	OR
111.055	008	4,4'-DDE	EPA 608.3	OR
111.055	009	4,4'-DDT	EPA 608.3	OR
111.055	010	Dieldrin	EPA 608.3	OR
111.055	011	Endosulfan I	EPA 608.3	OR
111.055	012	Endosulfan II	EPA 608.3	OR
111.055	013	Endosulfan Sulfate	EPA 608.3	OR
111.055	014	Endrin	EPA 608.3	OR
111.055	015	Endrin Aldehyde	EPA 608.3	OR
111.055	016	Heptachlor	EPA 608.3	OR
111.055	017	Heptachlor Epoxide	EPA 608.3	OR
111.055	019	PCB-1016 (Aroclor-1016)	EPA 608.3	OR
111.055	020	PCB-1221 (Aroclor-1221)	EPA 608.3	OR
111.055	021	PCB-1232 (Aroclor-1232)	EPA 608.3	OR

## Eurofins Cleveland

Certificate Number: 2927

Expiration Date: 2/27/2025

111.055	022	PCB-1242 (Aroclor-1242)	EPA 608.3	OR
111.055	023	PCB-1248 (Aroclor-1248)	EPA 608.3	OR
111.055	024	PCB-1254 (Aroclor-1254)	EPA 608.3	OR
111.055	025	PCB-1260 (Aroclor-1260)	EPA 608.3	OR
111.055	044	Isodrin	EPA 608.3	OR
111.055	046	Methoxychlor	EPA 608.3	OR
111.055	048	Mirex	EPA 608.3	OR
111.055	060	Toxaphene	EPA 608.3	OR
111.160	001	Acenaphthene	EPA 625.1	OR
111.160	002	Acenaphthylene	EPA 625.1	OR
111.160	003	Anthracene	EPA 625.1	OR
111.160	004	Benzidine	EPA 625.1	OR
111.160	005	Benzo(a)anthracene	EPA 625.1	OR
111.160	006	Benzo(a)pyrene	EPA 625.1	OR
111.160	007	Benzo(b)fluoranthene	EPA 625.1	OR
111.160	008	Benzo(g,h,i)perylene	EPA 625.1	OR
111.160	009	Benzo(k)fluoranthene	EPA 625.1	OR
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1	OR
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1	OR
111.160	012	bis(2-Chloroisopropyl) ether (2,2'-Oxybis[1-chloropropane])	EPA 625.1	OR
111.160	013	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 625.1	OR
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1	OR
111.160	015	Butyl Benzyl Phthalate	EPA 625.1	OR
111.160	016	2-Chloronaphthalene	EPA 625.1	OR
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1	OR
111.160	018	Chrysene	EPA 625.1	OR
111.160	019	Dibenz(a,h)anthracene	EPA 625.1	OR
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1	OR
111.160	021	Diethyl Phthalate	EPA 625.1	OR
111.160	022	Dimethyl Phthalate	EPA 625.1	OR
111.160	023	Di-n-butyl Phthalate	EPA 625.1	OR
111.160	024	2,4-Dinitrotoluene	EPA 625.1	OR
111.160	025	2,6-Dinitrotoluene	EPA 625.1	OR
111.160	026	Di-n-octyl Phthalate	EPA 625.1	OR
111.160	027	Fluoranthene	EPA 625.1	OR
111.160	028	Fluorene	EPA 625.1	OR
111.160	029	Hexachlorobenzene	EPA 625.1	OR
111.160	030	Hexachlorobutadiene	EPA 625.1	OR
111.160	031	Hexachloroethane	EPA 625.1	OR
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1	OR
111.160	033	Isophorone	EPA 625.1	OR
111.160	034	Naphthalene	EPA 625.1	OR

As of 2/28/2024 , this list supersedes all previous lists for this certificate number.  
 Customers: Please verify the current accreditation standing with the State.



111.160	035	Nitrobenzene	EPA 625.1	OR
111.160	036	N-nitroso-di-n-propylamine	EPA 625.1	OR
111.160	037	Phenanthrene	EPA 625.1	OR
111.160	038	Pyrene	EPA 625.1	OR
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1	OR
111.160	040	4-Chloro-3-methylphenol	EPA 625.1	OR
111.160	041	2-Chlorophenol	EPA 625.1	OR
111.160	042	2,4-Dichlorophenol	EPA 625.1	OR
111.160	043	2,4-Dimethylphenol	EPA 625.1	OR
111.160	044	2,4-Dinitrophenol	EPA 625.1	OR
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1	OR
111.160	046	2-Nitrophenol	EPA 625.1	OR
111.160	047	4-Nitrophenol	EPA 625.1	OR
111.160	048	Pentachlorophenol	EPA 625.1	OR
111.160	049	Phenol	EPA 625.1	OR
111.160	050	2,4,6-Trichlorophenol	EPA 625.1	OR
111.160	055	Atrazine	EPA 625.1	OR
111.160	084	Dinoseb	EPA 625.1	OR
111.160	085	Disulfoton	EPA 625.1	OR
111.160	098	Hexachlorocyclopentadiene	EPA 625.1	OR
111.160	099	Isodrin	EPA 625.1	OR
111.160	108	N-nitrosodimethylamine	EPA 625.1	OR
111.160	110	N-nitrosodiphenylamine	EPA 625.1	OR
111.160	112	Parathion Methyl	EPA 625.1	OR
111.160	113	Pentachloronitrobenzene (PCNB)	EPA 625.1	OR
111.160	122	Phorate	EPA 625.1	OR
111.160	126	Pronamide	EPA 625.1	OR
111.160	139	Acetophenone	EPA 625.1	OR
111.160	140	Carbazole	EPA 625.1	OR
111.160	141	o-Cresol	EPA 625.1	OR
111.160	143	1,2-Diphenylhydrazine	EPA 625.1	OR
111.160	145	Pyridine	EPA 625.1	OR
111.160	146	Biphenyl (1,1'-biphenyl)	EPA 625.1	OR
111.160	147	m+p-Cresol	EPA 625.1	OR
111.160	148	2-Methylnaphthalene	EPA 625.1	OR
111.160	151	2,4,5-Trichlorophenol	EPA 625.1	OR
111.265	001	Perfluorobutanoic Acid (PFBA)	EPA 1633	OR
111.265	002	Perfluoropentanoic Acid (PFPeA)	EPA 1633	OR
111.265	003	Perfluorohexanoic Acid (PFHxA)	EPA 1633	OR
111.265	004	Perfluoroheptanoic Acid (PFHpA)	EPA 1633	OR
111.265	005	Perfluorooctanoic Acid (PFOA)	EPA 1633	OR
111.265	006	Perfluorononanoic Acid (PFNA)	EPA 1633	OR

111.265 007	Perfluorodecanoic Acid (PFDA)	EPA 1633	OR
111.265 008	Perfluoroundecanoic Acid (PFUnDA)	EPA 1633	OR
111.265 009	Perfluorododecanoic Acid (PFDoA)	EPA 1633	OR
111.265 010	Perfluorotridecanoic Acid (PFTrDA)	EPA 1633	OR
111.265 011	Perfluorotetradecanoic Acid (PFTeDA)	EPA 1633	OR
111.265 012	Perfluorobutane Sulfonic Acid (PFBS)	EPA 1633	OR
111.265 013	Perfluoropentane Sulfonic Acid (PFPeS)	EPA 1633	OR
111.265 014	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 1633	OR
111.265 015	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 1633	OR
111.265 016	Perfluorooctane Sulfonic Acid (PFOS)	EPA 1633	OR
111.265 017	Perfluorononane Sulfonic Acid (PFNS)	EPA 1633	OR
111.265 018	Perfluorodecane Sulfonic Acid (PFDS)	EPA 1633	OR
111.265 019	Perfluorododecanesulfonic acid (PFDoS)	EPA 1633	OR
111.265 020	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	EPA 1633	OR
111.265 021	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	EPA 1633	OR
111.265 022	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	EPA 1633	OR
111.265 023	Perfluorooctane Sulfonamide (PFOSAm)	EPA 1633	OR
111.265 024	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	EPA 1633	OR
111.265 025	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	EPA 1633	OR
111.265 026	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOS)	EPA 1633	OR
111.265 027	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	EPA 1633	OR
111.265 028	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	EPA 1633	OR
111.265 029	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	EPA 1633	OR
111.265 030	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 1633	OR
111.265 031	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 1633	OR
111.265 032	Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 1633	OR
111.265 033	Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 1633	OR
111.265 034	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 1633	OR
111.265 035	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF)	EPA 1633	OR
111.265 036	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-P)	EPA 1633	OR
111.265 037	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	EPA 1633	OR
111.265 038	2H,2H,3H,3H-Perfluorohexanoic Acid (3:3 FTCA)	EPA 1633	OR
111.265 039	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	EPA 1633	OR
111.265 040	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	EPA 1633	OR

<b>Field of Accreditation:</b>	<b>114 - Inorganic Constituents in Hazardous Waste</b>
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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

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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	007	Calcium	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	013	Magnesium	EPA 6020 B	OR
114.345	014	Manganese	EPA 6020 B	OR
114.345	016	Nickel	EPA 6020 B	OR
114.345	017	Potassium	EPA 6020 B	OR
114.345	018	Selenium	EPA 6020 B	OR
114.345	019	Silver	EPA 6020 B	OR
114.345	020	Sodium	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

As of 2/28/2024 , this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

114.345	024	Molybdenum	EPA 6020 B	OR
114.545	001	Mercury	EPA 7471 B	OR
114.715	001	Cyanide, Total	EPA 9012 B	OR
114.715	002	Cyanide, Amenable	EPA 9012 B	OR
114.735	001	Sulfides	EPA 9034	OR
114.755	001	Fluoride	EPA 9056 A	OR

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**Field of Accreditation:** 115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste

115.085	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	OR
115.095	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	OR
115.145	001	Corrosivity - pH Determination	EPA 9045 D	OR

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**Field of Accreditation:** 116 - Volatile Organic Compounds in Hazardous Waste

116.221	001	Gasoline Range Organics (GRO)	EPA 8015 C	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

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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	038	m-Xylene	EPA 8260 D	OR
116.275	039	p-Xylene	EPA 8260 D	OR
116.275	040	1,1-Dichloroethane	EPA 8260 D	OR
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	060	1,4-Dioxane	EPA 8260 D	OR
116.275	061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 D	OR
116.275	062	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 D	OR

**Field of Accreditation:** 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.245	002	Diesel Range Organics (DRO)	EPA 8015 C	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

As of 2/28/2024, this list supersedes all previous lists for this certificate number.  
 Customers: Please verify the current accreditation standing with the State.

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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
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	005	Benzidine	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

As of 2/28/2024 , this list supersedes all previous lists for this certificate number.  
 Customers: Please verify the current accreditation standing with the State.

117.445 025	Fluorene	EPA 8270 E	OR
117.445 026	Naphthalene	EPA 8270 E	OR
117.445 027	Nitrobenzene	EPA 8270 E	OR
117.445 028	Pentachlorobenzene	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
117.445 040	2,6-Dichlorophenol	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
117.445 061	Dinoseb	EPA 8270 E	OR
117.445 074	Disulfoton	EPA 8270 E	OR
117.445 076	Parathion Ethyl	EPA 8270 E	OR
117.445 077	Parathion Methyl	EPA 8270 E	OR
117.445 078	Phorate	EPA 8270 E	OR
117.445 087	N-nitrosodiethylamine	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
117.485 010	Formaldehyde	EPA 8315 A	OR

<b>Field of Accreditation:</b>	<b>130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)</b>
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130.020 001	Aluminum	EPA 6010 D	OR
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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
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	007	Calcium	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	013	Magnesium	EPA 6020 B	OR
130.040	014	Manganese	EPA 6020 B	OR
130.040	016	Nickel	EPA 6020 B	OR
130.040	017	Potassium	EPA 6020 B	OR

As of 2/28/2024 , this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.



## Eurofins Cleveland

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130.040	018	Selenium	EPA 6020 B	OR
130.040	019	Silver	EPA 6020 B	OR
130.040	020	Sodium	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
130.140	001	Chromium VI (Hexavalent Chromium)	EPA 7196 A	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
130.460	001	Sulfides	EPA 9034	OR
130.480	001	Fluoride	EPA 9056 A	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)

131.040	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	OR
131.050	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	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
132.016	001	Gasoline Range Organics (GRO)	EPA 8015 C	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

As of 2/28/2024, this list supersedes all previous lists for this certificate number.  
 Customers: Please verify the current accreditation standing with the State.

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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	038	m-Xylene	EPA 8260 D	OR
132.070	039	p-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	060	1,4-Dioxane	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)

## Eurofins Cleveland

Certificate Number: 2927

Expiration Date: 2/27/2025

133.020	002	Diesel Range Organics (DRO)	EPA 8015 C	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
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	005	Benzidine	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

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Expiration Date: 2/27/2025

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	028	Pentachlorobenzene	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	040	2,6-Dichlorophenol	EPA 8270 E	OR
133.240	041	2,6-Dinitrotoluene	EPA 8270 E	OR
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	061	Dinoseb	EPA 8270 E	OR
133.240	074	Disulfoton	EPA 8270 E	OR
133.240	076	Parathion Ethyl	EPA 8270 E	OR
133.240	077	Parathion Methyl	EPA 8270 E	OR
133.240	078	Phorate	EPA 8270 E	OR
133.240	087	N-nitrosodiethylamine	EPA 8270 E	OR

As of 2/28/2024, this list supersedes all previous lists for this certificate number.  
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**Eurofins Cleveland**

**Certificate Number:** 2927

**Expiration Date:** 2/27/2025

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
133.280	010	Formaldehyde	EPA 8315 A	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

**Eurofins Pittsburgh**

301 Alpha Drive

Pittsburgh, PA 15238

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.: **2891**

Effective Date: **5/1/2023**

Expiration Date: **4/30/2024**

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 Pittsburgh**

301 Alpha Drive  
Pittsburgh, PA 15238  
Phone: 4129632431

**Certificate Number: 2891  
Expiration Date: 4/30/2024**

Primary Accreditation  
Body

**Field of Accreditation:108 - Inorganic Constituents in Non-Potable Water**

108.053	002	Oil & Grease, Total Recoverable	EPA 1664 B	PA
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011	PA

**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
114.545 001	Mercury	EPA 7471 B	PA
114.725 001	Cyanide, Total	EPA 9014	PA
114.735 001	Sulfides	EPA 9034	PA
114.755 001	Fluoride	EPA 9056 A	PA

**Field of Accreditation:115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste**

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

**Field of Accreditation:116 - Volatile Organic Compounds in Hazardous Waste**

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
116.275 038	m-Xylene	EPA 8260 D	PA
116.275 039	p-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	060	1,4-Dioxane	EPA 8260 D	PA

**Field of Accreditation:117 - Semi-volatile Organic Chemistry of Hazardous Waste**

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
117.415	001	Azinphos Methyl	EPA 8141 B	PA
117.415	002	Chlorpyrifos	EPA 8141 B	PA
117.415	003	Demeton-O	EPA 8141 B	PA
117.415	004	Demeton-S	EPA 8141 B	PA
117.415	005	Diazinon	EPA 8141 B	PA
117.415	006	Dichlorvos (DDVP)	EPA 8141 B	PA
117.415	007	Disulfoton	EPA 8141 B	PA
117.415	008	Malathion	EPA 8141 B	PA
117.415	009	Parathion Ethyl	EPA 8141 B	PA
117.415	010	Parathion Methyl	EPA 8141 B	PA

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117.415	011	Phorate	EPA 8141 B	PA
117.415	012	Ronnel	EPA 8141 B	PA
117.415	013	Stirophos (Tetrachlorovinphos)	EPA 8141 B	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
117.445 061	Dinoseb	EPA 8270 E	PA
117.445 074	Disulfoton	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

**Field of Accreditation:130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)**

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

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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

As of 5/1/2023 , this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

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
130.250	001	Mercury	EPA 7470 A	PA
130.450	001	Cyanide, Total	EPA 9014	PA
130.460	001	Sulfides	EPA 9034	PA
130.480	001	Fluoride	EPA 9056 A	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
131.090	001	Ignitability	EPA 1020 B	PA
131.120	001	Corrosivity - pH Determination	EPA 9040 C	PA

**Field of Accreditation:132 - Volatile Organic Compounds in Hazardous Waste (Matrix Aqueous)**

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	028	Nitrobenzene	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	038	m-Xylene	EPA 8260 D	PA
132.070	039	p-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	060	1,4-Dioxane	EPA 8260 D	PA

**Field of Accreditation:133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)**

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

**Eurofins Pittsburgh****Certificate Number:** 2891  
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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
133.210	001	Azinphos Methyl	EPA 8141 B	PA
133.210	002	Chlorpyrifos	EPA 8141 B	PA
133.210	003	Demeton-O	EPA 8141 B	PA
133.210	004	Demeton-S	EPA 8141 B	PA
133.210	005	Diazinon	EPA 8141 B	PA
133.210	006	Dichlorvos (DDVP)	EPA 8141 B	PA
133.210	007	Disulfoton	EPA 8141 B	PA
133.210	008	Malathion	EPA 8141 B	PA
133.210	009	Parathion Ethyl	EPA 8141 B	PA
133.210	010	Parathion Methyl	EPA 8141 B	PA
133.210	011	Phorate	EPA 8141 B	PA
133.210	012	Ronnel	EPA 8141 B	PA
133.210	013	Stirophos (Tetrachlorovinphos)	EPA 8141 B	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	061	Dinoseb	EPA 8270 E	PA
133.240	074	Disulfoton	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



## State Water Resources Control Board

May 16, 2023

Larry Matko  
Eurofins Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15238

Dear Larry Matko:

Certificate No. 2891

Congratulations! This notice advises that the laboratory named above has been accredited as an environmental testing laboratory pursuant to the provisions of the California Health and Safety Code (HSC) Sections 100825-100920. The analyses for which this laboratory is accredited are shown on the enclosed "Fields of Accreditation" List.

The laboratory's accreditation begins on the date printed on the enclosed certificate. If you did not submit your application by the renewal deadline, there may be a lapse in your accreditation. You are responsible for ensuring no data is submitted for regulatory purposes during a period the laboratory is not accredited.

Be advised, the laboratory may have been denied accreditation for one or more analyses for which it applied due to failure to comply with regulatory requirements for application or accreditation. It is the laboratory's responsibility to review the enclosed documents and know which methods it has been accredited for. This accreditation is a final action of the State Water Resources Control Board subject to petition under HSC Section 116701 within 30 days. However, if you believe that an FOA has been left off of your accreditation in error, before you file a petition you may submit to ELAP within 30 days of this letter, an "Accreditation Inquiry Request Form" located at [www.waterboards.ca.gov/elap](http://www.waterboards.ca.gov/elap) identifying any mistakes or errors you believe occurred in your accreditation. ELAP will then review all timely submitted "Accreditation Inquiry Request Forms" and will make a final determination, which could then be petitioned to the State Water Resources Control Board. **Failure to submit an "Accreditation Inquiry Request Form" to ELAP within 30 days of this letter or to timely petition ELAP's final decision to the State Water Resources Control Board will prohibit you from obtaining any further review of your accreditation.** HSC Section 100890 lists the civil penalties for environmental laboratories that perform analyses for state regulatory purposes without a valid certificate.

Continued accreditation is contingent upon compliance with HSC Sections 100825-100920 and California Code of Regulations, Title 22, Division 4, Chapter 19, Certification of Environmental Laboratories. ELAP reserves the right to take enforcement action, including issuance of civil penalties, or suspension and revocation of the laboratory's ELAP certificate, for failure to comply with all applicable regulations, statutes and orders.

E. JOAQUIN ESQUIVEL, CHAIR | EILEEN SOBECK, EXECUTIVE DIRECTOR

1001 I Street, Sacramento, CA 95814 | Mailing Address: P.O. Box 100, Sacramento, CA 95812-0100 | [www.waterboards.ca.gov](http://www.waterboards.ca.gov)



Thank you,



Christine Sotelo, Program Manager  
California Environmental Laboratory Accreditation Program (CA ELAP)

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E. JOAQUIN ESQUIVEL, CHAIR | EILEEN SOBECK, EXECUTIVE DIRECTOR

1001 | Street, Sacramento, CA 95814 | Mailing Address: P.O. Box 100, Sacramento, CA 95812-0100 | [www.waterboards.ca.gov](http://www.waterboards.ca.gov)



**SUMMARY OF NONCOMPLIANCE****CERTIFICATE #: 2891**

<b>Subgroup Code</b>	<b>Analyte Code</b>	<b>Analyte</b>	<b>Method</b>	<b>Deficiency Code</b> <b>(Codes Defined at the End of this Document)</b>
114.345	15	Mercury	EPA 6020 B	RE-2
117.415	14	Turbufos	EPA 8141 B	RE-2
133.21	14	Turbufos	EPA 8141 B	RE-2

# DEFICIENCY CODES

Code	Meaning
PT-1	The laboratory received an unacceptable score from the Proficiency Testing (PT) provider
PT-2	The revision of the method in the PT report does not match the revision of the method selected in ELAP's field of accreditation table
PT-3	The revision year of the method in the PT report does not match the revision year of the method selected in ELAP's field of accreditation table
PT-4	The method revision was not listed in the PT report
PT-5	The method revision year was not listed in the PT report
PT-6	The method in the PT report does not match the method selected in ELAP's field of accreditation table
PT-7	No annual PT study found on file
PT-8	PT report is of the incorrect matrix
PT-9	This field of accreditation (1,2,3-TCP) requires a low level PT in units of ng/L
PT-10	The second attempt PT study is not within 45 days of the <b>first unacceptable</b> PT study report
PT-11	The laboratory received an unacceptable score from the PT provider, and no second attempt PT study report was found on file. <b>Note:</b> second attempt PT studies need to be done <b>within 45 days</b> of an unacceptable score notification from the PT provider
PT-12	THM denied because at least one THM analyte had an unacceptable score in the PT report (all 4 THMs must have an acceptable score <b>in the same PT report</b> from the PT provider to receive or maintain accreditation for the selected THM)
PT-13	Microbiology results reported incorrectly: Enumerations vs Presence/Absence or vice versa
PT-14	PT study is not current. The PT study closing date falls outside the timeframe of the first year or second year of the accreditation cycle (first year = annual PT; second year = PT submitted with renewal of accreditation application)
PT-15	No current DoD QSM certificate found on file. This field of accreditation needs to be compliant with the Department of Defense (DoD) Quality System Manual (QSM) Version 5.1 or later
PT-16	The method in the PT report is not consistent with the method listed in the DoD QSM certificate (version 5.1 or later)
PT-17	This FOA is not listed in the DoD QSM certificate (version 5.1 or later)
PT-18	PT study submitted by the laboratory is not from a TNI approved PT provider
PT-19	No documents on file for the following: Bulk asbestos PT reports, NVLAP certification, or both
PT-20*	This is a group offering of <b>more than six analytes</b> requiring 85% of the analytes reported to have a passing score
PT-21*	This is a group offering of <b>6 or less analytes</b> requiring all analytes to have a passing score
PT-22	The analyte in the PT report does not match the analyte in ELAP's FOA table
PT-23	PT report not provided with the application (Initial, Renewal or Amendment)
PT-24	Analyte not reported in PT report
PT-25	Laboratory address in PT report does not match the address provided in the application (Initial, Renewal or Amendment)
RE-1	Primary accrediting body is not acceptable

# DEFICIENCY CODES

Code	Meaning
RE-2	Requested field of accreditation (FOA) is not in primary accreditation
RE-3	Requested field of accreditation (FOA) status is pending in primary accreditation
RE-4	Matrix in primary accreditation does not match requested field of accreditation (FOA)
RE-5	Last assessment was more than three years prior (Drinking Water FOAs)
RE-6	Not All 18 PFAS Analytes in primary accreditation (Drinking Water FOAs)
RE-7	Not All 31 PFAS Analytes in primary accreditation (Non Potable Water & Hazardous Waste FOAs)
RE-8	Field of Accreditation (FOA) withdrawn by laboratory
RE-9	Requested Field of Accreditation (FOA) is not in primary or secondary accreditations
SA-1	Field of Accreditation was not assessed
SA-2	Laboratory did not pass the assessment for Field of Accreditation
SA-3	Assessment was performed by a Provider not approved by ELAP
SA-4	ELAP disagrees with Provider recommendation
SA-5	Proficiency Testing issues discovered during assessment
SA-6	Incomplete Documentation - Refer to Application Form for Requirements

\*only applies to laboratories whose current scopes of accreditation reflect ELAP's old Field of Testing (FOT) tables. These scopes are assessed against the criteria of the previous regulations, Section 22 CCR § 64809 (c). Part 1 of this section required a passing score for all analytes if the method had 6 or fewer analytes, and Part 2 required a passing score of at least 85% of the reported analytes if the method had more than 6 analytes.



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 Lancaster Laboratories Environment Testing, LLC**

2425 New Holland Pike

Lancaster, PA 17601

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.: **2792**

Effective Date: **2/1/2024**

Expiration Date: **11/30/2024**

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 Lancaster Laboratories Environment Testing, LLC**

2425 New Holland Pike  
Lancaster, PA 17601  
Phone: 7176562300

**Certificate Number: 2792  
Expiration Date: 11/30/2024**

Primary Accreditation  
Body

<b>Field of Accreditation:</b>		<b>102 - Inorganic Chemistry of Drinking Water</b>		
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-CI 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

<b>Field of Accreditation:</b>		<b>103 - Toxic Chemical Elements of Drinking Water</b>		
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 2/1/2024, 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

<b>Field of Accreditation:</b>	<b>104 - Volatile Organic Chemistry of Drinking Water</b>		
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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

<b>Field of Accreditation:</b>	<b>105 - Semi-volatile Organic Chemistry of Drinking Water</b>
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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-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-P)	EPA 533	PA
105.103	002	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF)	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 (8:2FTS)	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 (4:2FTS)	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 (6:2FTS)	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-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-P)	EPA 537.1	PA
105.106	002	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF)	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 (NEtFOSAA)	EPA 537.1	PA
105.106	006	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOS)	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 (PFTeDA)	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:</b>	<b>108 - Inorganic Constituents in Non-Potable Water</b>
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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
108.070	001	Residue, Total	SM 2540 B-2015	PA
108.072	001	Residue, Filterable TDS	SM 2540 C-2015	PA
108.074	001	Residue, Non-filterable TSS	SM 2540 D-2015	PA
108.078	001	Residue, Settleable	SM 2540 F-2015	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 SO3)	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
108.206	001	Biochemical Oxygen Demand	SM 5210 B-2016	PA
108.206	002	Carbonaceous BOD	SM 5210 B-2016	PA
108.216	001	Organic Carbon-Total (TOC)	SM 5310 C-2014	PA
108.225	001	Surfactants	SM 5540 C-2011	PA
108.320	001	Cyanide, Total	ASTM D7511-12(17)	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

<b>Field of Accreditation:</b>		<b>109 - Metals and Trace Elements in Non-Potable Water</b>		
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

<b>Field of Accreditation:</b>	<b>110 - Volatile Organic Constituents in Non-Potable Water</b>
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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
111.265	001	Perfluorobutanoic Acid (PFBA)	EPA 1633	PA
111.265	002	Perfluoropentanoic Acid (PFPeA)	EPA 1633	PA
111.265	003	Perfluorohexanoic Acid (PFHxA)	EPA 1633	PA
111.265	004	Perfluoroheptanoic Acid (PFHpA)	EPA 1633	PA
111.265	005	Perfluorooctanoic Acid (PFOA)	EPA 1633	PA
111.265	006	Perfluorononanoic Acid (PFNA)	EPA 1633	PA
111.265	007	Perfluorodecanoic Acid (PFDA)	EPA 1633	PA
111.265	008	Perfluoroundecanoic Acid (PFUnDA)	EPA 1633	PA

111.265	009	Perfluorododecanoic Acid (PFDoA)	EPA 1633	PA
111.265	010	Perfluorotridecanoic Acid (PFTrDA)	EPA 1633	PA
111.265	011	Perfluorotetradecanoic Acid (PFTeDA)	EPA 1633	PA
111.265	012	Perfluorobutane Sulfonic Acid (PFBS)	EPA 1633	PA
111.265	013	Perfluoropentane Sulfonic Acid (PFPeS)	EPA 1633	PA
111.265	014	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 1633	PA
111.265	015	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 1633	PA
111.265	016	Perfluorooctane Sulfonic Acid (PFOS)	EPA 1633	PA
111.265	017	Perfluorononane Sulfonic Acid (PFNS)	EPA 1633	PA
111.265	018	Perfluorodecane Sulfonic Acid (PFDS)	EPA 1633	PA
111.265	019	Perfluorododecanesulfonic acid (PFDoS)	EPA 1633	PA
111.265	020	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	EPA 1633	PA
111.265	021	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	EPA 1633	PA
111.265	022	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	EPA 1633	PA
111.265	023	Perfluorooctane Sulfonamide (PFOSAm)	EPA 1633	PA
111.265	024	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	EPA 1633	PA
111.265	025	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	EPA 1633	PA
111.265	026	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOS)	EPA 1633	PA
111.265	027	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	EPA 1633	PA
111.265	028	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	EPA 1633	PA
111.265	029	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	EPA 1633	PA
111.265	030	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 1633	PA
111.265	031	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 1633	PA
111.265	032	Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 1633	PA
111.265	033	Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 1633	PA
111.265	034	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 1633	PA
111.265	035	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF)	EPA 1633	PA
111.265	036	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-P)	EPA 1633	PA
111.265	037	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	EPA 1633	PA
111.265	038	2H,2H,3H,3H-Perfluorohexanoic Acid (3:3 FTCA)	EPA 1633	PA
111.265	039	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	EPA 1633	PA
111.265	040	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	EPA 1633	PA
111.345	001	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	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 (NMeFOS)	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 (PFTeDA)	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-Chloroicosafuoro-3-oxaundecanoic acid (11Cl-P)	DoD QSM Version 5.1 (or newer)	DOD
111.345 025	9-Chlorohexadecafluoro-3-oxanonanoic acid (9Cl-PF)	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 (EtFOSE)	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 (NMeFOSE)	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

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

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	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 D	PA

<b>Field of Accreditation:</b>	<b>117 - Semi-volatile Organic Chemistry of Hazardous Waste</b>
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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	061	Dinoseb	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	DOD
117.472	002	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A	DOD
117.472	003	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	DOD
117.472	004	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	DOD
117.472	005	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	DOD
117.472	006	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A	DOD
117.472	007	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290 A	DOD
117.472	008	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 8290 A	DOD
117.472	009	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	DOD
117.472	010	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	DOD
117.472	011	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	DOD
117.472	012	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	DOD
117.472	013	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	DOD
117.472	014	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	DOD
117.472	015	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	DOD
117.472	016	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	DOD
117.472	017	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290 A	DOD
117.472	018	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A	DOD
117.472	019	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A	DOD
117.472	020	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	DOD
117.472	021	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A	DOD
117.472	022	Total Tetrachlorodibenzofuran (TCDF)	EPA 8290 A	DOD
117.472	023	Total Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	DOD
117.472	024	Total Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	DOD
117.472	025	Total Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	DOD
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 (NEtFOSAA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	003	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	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-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-P)	DoD QSM Version 5.1 (or newer)	DOD
117.575	008	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF)	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 (NMeFOS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	012	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	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 (PFTeDA)	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-Perfluorohexaanoic 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-dioxaheptanoic acid (NFDHA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	040	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	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

Field of Accreditation:		130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)		
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	PA
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

<b>Field of Accreditation:</b>	<b>131 - Leaching/Extraction, Physical Characteristics in Hazardous Waste (Matrix Aqueous)</b>		
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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	PA

<b>Field of Accreditation:</b>	<b>132 - Volatile Organic Compounds in Hazardous Waste (Matrix Aqueous)</b>		
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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
<b>Field of Accreditation: 133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)</b>				
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	061	Dinoseb	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	DOD
133.267	002	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A	DOD
133.267	003	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	DOD
133.267	004	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	DOD
133.267	005	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	DOD
133.267	006	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A	DOD
133.267	007	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	EPA 8290 A	DOD
133.267	008	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 8290 A	DOD
133.267	009	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	DOD
133.267	010	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	DOD
133.267	011	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	DOD
133.267	012	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	DOD
133.267	013	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	DOD
133.267	014	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	DOD
133.267	015	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	DOD

133.267	016	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	DOD
133.267	017	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	EPA 8290 A	DOD
133.267	018	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 8290 A	DOD
133.267	019	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 8290 A	DOD
133.267	020	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 8290 A	DOD
133.267	021	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 8290 A	DOD
133.267	022	Total Tetrachlorodibenzofuran (TCDF)	EPA 8290 A	DOD
133.267	023	Total Pentachlorodibenzofuran (PeCDF)	EPA 8290 A	DOD
133.267	024	Total Hexachlorodibenzofuran (HxCDF)	EPA 8290 A	DOD
133.267	025	Total Heptachlorodibenzofuran (HpCDF)	EPA 8290 A	DOD
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 (NEtFOSAA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	003	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	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-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-P)	DoD QSM Version 5.1 (or newer)	DOD
133.380	008	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF)	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 (NMeFOS)	DoD QSM Version 5.1 (or newer)	DOD
133.380	012	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	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 (PFTeDA)	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-dioxaheptanoic acid (NFDHA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	040	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	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



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 Denver**

4955 Yarrow Street

Arvada, CO 80002

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.: **2513**

Effective Date: **1/9/2024**

Expiration Date: **1/8/2025**

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 Denver**

4955 Yarrow Street  
Arvada, CO 80002  
Phone: 3037360100

**Certificate Number: 2513**  
**Expiration Date: 1/8/2025**

Primary Accreditation  
Body

**Field of Accreditation: 108 - Inorganic Constituents in Non-Potable Water**

108.007	001	Residue, Volatile	EPA 160.4	OR
108.009	001	Turbidity	EPA 180.1	OR
108.013	001	Calcium	EPA 200.7	OR
108.013	002	Magnesium	EPA 200.7	OR
108.013	003	Phosphorus, Total	EPA 200.7	OR
108.013	004	Potassium	EPA 200.7	OR
108.013	005	Silica, Dissolved	EPA 200.7	OR
108.013	006	Sodium	EPA 200.7	OR
108.015	001	Calcium	EPA 200.8	OR
108.015	002	Magnesium	EPA 200.8	OR
108.015	003	Potassium	EPA 200.8	OR
108.015	005	Sodium	EPA 200.8	OR
108.017	001	Bromide	EPA 300.0	OR
108.017	002	Chloride	EPA 300.0	OR
108.017	003	Fluoride	EPA 300.0	OR
108.017	004	Nitrate (as N)	EPA 300.0	OR
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0	OR
108.017	006	Nitrite (as N)	EPA 300.0	OR
108.017	007	Phosphate, Ortho (as P)	EPA 300.0	OR
108.017	008	Sulfate (as SO4)	EPA 300.0	OR
108.023	001	Cyanide, Total	EPA 335.4	OR
108.025	001	Ammonia (as N)	EPA 350.1	OR
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2	OR
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2	OR
108.033	002	Nitrite (as N)	EPA 353.2	OR
108.035	001	Phosphate, Ortho (as P)	EPA 365.1	OR
108.035	002	Phosphorus, Total	EPA 365.1	OR
108.045	001	Chemical Oxygen Demand	EPA 410.4	OR
108.049	001	Phenols, Total	EPA 420.4	OR
108.053	001	Oil & Grease, Total Recoverable	EPA 1664 A	OR
108.053	002	Oil & Grease, Total Recoverable	EPA 1664 B	OR
108.063	001	Alkalinity	SM 2320 B-2011	OR
108.065	001	Hardness (Calculation)	SM 2340 B-2011	OR

108.067	001	Hardness	SM 2340 C-2011	OR
108.069	001	Specific Conductance	SM 2510 B-2011	OR
108.071	001	Residue, Total	SM 2540 B-2011	OR
108.073	001	Residue, Filterable TDS	SM 2540 C-2011	OR
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011	OR
108.122	001	Chloride	SM 4500-Chloride E-2011	OR
108.125	001	Cyanide, Total	SM 4500-CN E-2011	OR
108.129	001	Cyanide, Available	SM 4500-CN G-2011	OR
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011	OR
108.153	001	Nitrite (as N)	SM 4500-NO2 B-2011	OR
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011	OR
108.195	001	Sulfate (as SO4)	SM 4500-SO4 E-2011	OR
108.201	001	Sulfide (as S)	SM 4500-S D-2011	OR
108.203	001	Sulfide (as S)	SM 4500-S F-2011	OR
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011	OR
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011	OR

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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	OR
109.623	002	Antimony	EPA 200.7	OR
109.623	003	Arsenic	EPA 200.7	OR
109.623	004	Barium	EPA 200.7	OR
109.623	005	Beryllium	EPA 200.7	OR
109.623	006	Boron	EPA 200.7	OR
109.623	007	Cadmium	EPA 200.7	OR
109.623	008	Chromium	EPA 200.7	OR
109.623	009	Cobalt	EPA 200.7	OR
109.623	010	Copper	EPA 200.7	OR
109.623	011	Iron	EPA 200.7	OR
109.623	012	Lead	EPA 200.7	OR
109.623	013	Manganese	EPA 200.7	OR
109.623	014	Molybdenum	EPA 200.7	OR
109.623	015	Nickel	EPA 200.7	OR
109.623	016	Selenium	EPA 200.7	OR
109.623	017	Silver	EPA 200.7	OR
109.623	018	Thallium	EPA 200.7	OR
109.623	019	Tin	EPA 200.7	OR
109.623	020	Titanium	EPA 200.7	OR
109.623	021	Vanadium	EPA 200.7	OR
109.623	022	Zinc	EPA 200.7	OR
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	020	Tin	EPA 200.8	OR
109.625	022	Vanadium	EPA 200.8	OR
109.625	023	Zinc	EPA 200.8	OR
109.635	001	Mercury	EPA 245.1	OR
109.685	002	Chromium VI (Hexavalent Chromium)	SM 3500-Cr B-2011	OR

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**Field of Accreditation: 110 - Volatile Organic Constituents in Non-Potable Water**

110.040	001	Acetone	EPA 624.1	OR
110.040	003	Acrolein	EPA 624.1	OR
110.040	004	Acrylonitrile	EPA 624.1	OR
110.040	005	Benzene	EPA 624.1	OR
110.040	006	Bromodichloromethane	EPA 624.1	OR
110.040	007	Bromoform	EPA 624.1	OR
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1	OR
110.040	010	Carbon Tetrachloride	EPA 624.1	OR
110.040	011	Chlorobenzene	EPA 624.1	OR
110.040	012	Chloroethane	EPA 624.1	OR
110.040	013	2-Chloroethyl vinyl Ether	EPA 624.1	OR
110.040	014	Chloroform	EPA 624.1	OR
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1	OR
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1	OR
110.040	017	1,2-Dichlorobenzene	EPA 624.1	OR
110.040	018	1,3-Dichlorobenzene	EPA 624.1	OR
110.040	019	1,4-Dichlorobenzene	EPA 624.1	OR
110.040	020	1,1-Dichloroethane	EPA 624.1	OR
110.040	021	1,2-Dichloroethane (Ethylene Dichloride)	EPA 624.1	OR
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1	OR
110.040	023	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 624.1	OR
110.040	024	1,2-Dichloropropane	EPA 624.1	OR



110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1	OR
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 624.1	OR
110.040	029	Ethylbenzene	EPA 624.1	OR
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1	OR
110.040	032	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 624.1	OR
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1	OR
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1	OR
110.040	037	Toluene	EPA 624.1	OR
110.040	038	1,1,1-Trichloroethane	EPA 624.1	OR
110.040	039	1,1,2-Trichloroethane	EPA 624.1	OR
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1	OR
110.040	041	Vinyl Chloride	EPA 624.1	OR
110.040	043	o-Xylene	EPA 624.1	OR
110.040	045	Trichlorofluoromethane	EPA 624.1	OR
110.040	046	m+p-Xylene	EPA 624.1	OR
110.040	047	2-Butanone (MEK)	EPA 624.1	OR

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**Field of Accreditation:111 - Semi-volatile Organic Constituents in Non-Potable Water**


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111.055	001	Aldrin	EPA 608.3	OR
111.055	002	alpha-BHC	EPA 608.3	OR
111.055	003	beta-BHC	EPA 608.3	OR
111.055	004	delta-BHC	EPA 608.3	OR
111.055	005	gamma-BHC (Lindane)	EPA 608.3	OR
111.055	006	Chlordane	EPA 608.3	OR
111.055	007	4,4'-DDD	EPA 608.3	OR
111.055	008	4,4'-DDE	EPA 608.3	OR
111.055	009	4,4'-DDT	EPA 608.3	OR
111.055	010	Dieldrin	EPA 608.3	OR
111.055	011	Endosulfan I	EPA 608.3	OR
111.055	012	Endosulfan II	EPA 608.3	OR
111.055	013	Endosulfan Sulfate	EPA 608.3	OR
111.055	014	Endrin	EPA 608.3	OR
111.055	015	Endrin Aldehyde	EPA 608.3	OR
111.055	016	Heptachlor	EPA 608.3	OR
111.055	017	Heptachlor Epoxide	EPA 608.3	OR
111.055	019	PCB-1016 (Aroclor-1016)	EPA 608.3	OR
111.055	020	PCB-1221 (Aroclor-1221)	EPA 608.3	OR
111.055	021	PCB-1232 (Aroclor-1232)	EPA 608.3	OR
111.055	022	PCB-1242 (Aroclor-1242)	EPA 608.3	OR
111.055	023	PCB-1248 (Aroclor-1248)	EPA 608.3	OR
111.055	024	PCB-1254 (Aroclor-1254)	EPA 608.3	OR
111.055	025	PCB-1260 (Aroclor-1260)	EPA 608.3	OR
111.055	046	Methoxychlor	EPA 608.3	OR

111.055	060	Toxaphene	EPA 608.3	OR
111.110	001	Azinphos Methyl	EPA 614	OR
111.110	002	Demeton-O	EPA 614	OR
111.110	003	Demeton-S	EPA 614	OR
111.110	004	Diazinon	EPA 614	OR
111.110	005	Disulfoton	EPA 614	OR
111.110	007	Malathion	EPA 614	OR
111.110	008	Parathion Ethyl	EPA 614	OR
111.110	009	Parathion Methyl	EPA 614	OR
111.160	001	Acenaphthene	EPA 625.1	OR
111.160	002	Acenaphthylene	EPA 625.1	OR
111.160	003	Anthracene	EPA 625.1	OR
111.160	004	Benzidine	EPA 625.1	OR
111.160	005	Benzo(a)anthracene	EPA 625.1	OR
111.160	006	Benzo(a)pyrene	EPA 625.1	OR
111.160	007	Benzo(b)fluoranthene	EPA 625.1	OR
111.160	008	Benzo(g,h,i)perylene	EPA 625.1	OR
111.160	009	Benzo(k)fluoranthene	EPA 625.1	OR
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1	OR
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1	OR
111.160	012	<b>bis(2-Chloroisopropyl) ether (2,2'-Oxybis[1-chloropropane])</b>	EPA 625.1	OR
111.160	013	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 625.1	OR
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1	OR
111.160	015	Butyl Benzyl Phthalate	EPA 625.1	OR
111.160	016	2-Chloronaphthalene	EPA 625.1	OR
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1	OR
111.160	018	Chrysene	EPA 625.1	OR
111.160	019	Dibenz(a,h)anthracene	EPA 625.1	OR
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1	OR
111.160	021	Diethyl Phthalate	EPA 625.1	OR
111.160	022	Dimethyl Phthalate	EPA 625.1	OR
111.160	023	Di-n-butyl Phthalate	EPA 625.1	OR
111.160	024	2,4-Dinitrotoluene	EPA 625.1	OR
111.160	025	2,6-Dinitrotoluene	EPA 625.1	OR
111.160	026	Di-n-octyl Phthalate	EPA 625.1	OR
111.160	027	Fluoranthene	EPA 625.1	OR
111.160	028	Fluorene	EPA 625.1	OR
111.160	029	Hexachlorobenzene	EPA 625.1	OR
111.160	030	Hexachlorobutadiene	EPA 625.1	OR
111.160	031	Hexachloroethane	EPA 625.1	OR
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1	OR
111.160	033	Isophorone	EPA 625.1	OR

111.160	034	Naphthalene	EPA 625.1	OR
111.160	035	Nitrobenzene	EPA 625.1	OR
111.160	036	N-nitroso-di-n-propylamine (NDPA)	EPA 625.1	OR
111.160	037	Phenanthrene	EPA 625.1	OR
111.160	038	Pyrene	EPA 625.1	OR
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1	OR
111.160	040	4-Chloro-3-methylphenol	EPA 625.1	OR
111.160	041	2-Chlorophenol	EPA 625.1	OR
111.160	042	2,4-Dichlorophenol	EPA 625.1	OR
111.160	043	2,4-Dimethylphenol	EPA 625.1	OR
111.160	044	2,4-Dinitrophenol	EPA 625.1	OR
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1	OR
111.160	046	2-Nitrophenol	EPA 625.1	OR
111.160	047	4-Nitrophenol	EPA 625.1	OR
111.160	048	Pentachlorophenol	EPA 625.1	OR
111.160	049	Phenol	EPA 625.1	OR
111.160	050	2,4,6-Trichlorophenol	EPA 625.1	OR
111.160	067	Carbofuran (Furadan)	EPA 625.1	OR
111.160	098	Hexachlorocyclopentadiene	EPA 625.1	OR
111.160	108	N-nitrosodimethylamine (NDMA)	EPA 625.1	OR
111.160	110	N-nitrosodiphenylamine	EPA 625.1	OR
111.160	139	Acetophenone	EPA 625.1	OR
111.160	140	Carbazole	EPA 625.1	OR
111.160	141	o-Cresol	EPA 625.1	OR
111.160	143	1,2-Diphenylhydrazine	EPA 625.1	OR
111.160	144	n-octadecane (n-C18)	EPA 625.1	OR
111.160	145	Pyridine	EPA 625.1	OR
111.160	151	2,4,5-Trichlorophenol	EPA 625.1	OR
111.265	001	Perfluorobutanoic Acid (PFBA)	EPA 1633	OR
111.265	002	Perfluoropentanoic Acid (PFPeA)	EPA 1633	OR
111.265	003	Perfluorohexanoic Acid (PFHxA)	EPA 1633	OR
111.265	004	Perfluoroheptanoic Acid (PFHpA)	EPA 1633	OR
111.265	005	Perfluorooctanoic Acid (PFOA)	EPA 1633	OR
111.265	006	Perfluorononanoic Acid (PFNA)	EPA 1633	OR
111.265	007	Perfluorodecanoic Acid (PFDA)	EPA 1633	OR
111.265	008	Perfluoroundecanoic Acid (PFUnDA)	EPA 1633	OR
111.265	009	Perfluorododecanoic Acid (PFDoA)	EPA 1633	OR
111.265	010	Perfluorotridecanoic Acid (PFTTrDA)	EPA 1633	OR
111.265	011	Perfluorotetradecanoic Acid (PFTeDA)	EPA 1633	OR
111.265	012	Perfluorobutane Sulfonic Acid (PFBS)	EPA 1633	OR
111.265	013	Perfluoropentane Sulfonic Acid (PFPeS)	EPA 1633	OR
111.265	014	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 1633	OR

## Eurofins Denver

Certificate Number: 2513

Expiration Date: 1/8/2025

111.265	015	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 1633	OR
111.265	016	Perfluorooctane Sulfonic Acid (PFOS)	EPA 1633	OR
111.265	017	Perfluorononane Sulfonic Acid (PFNS)	EPA 1633	OR
111.265	018	Perfluorodecane Sulfonic Acid (PFDS)	EPA 1633	OR
111.265	019	Perfluorododecanesulfonic acid (PFDoS)	EPA 1633	OR
111.265	020	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	EPA 1633	OR
111.265	021	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	EPA 1633	OR
111.265	022	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	EPA 1633	OR
111.265	023	Perfluorooctane Sulfonamide (PFOSAm)	EPA 1633	OR
111.265	024	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	EPA 1633	OR
111.265	025	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	EPA 1633	OR
111.265	026	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	EPA 1633	OR
111.265	027	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	EPA 1633	OR
111.265	028	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	EPA 1633	OR
111.265	029	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	EPA 1633	OR
111.265	030	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 1633	OR
111.265	031	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 1633	OR
111.265	032	Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 1633	OR
111.265	033	Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 1633	OR
111.265	034	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 1633	OR
111.265	035	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	EPA 1633	OR
111.265	036	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	EPA 1633	OR
111.265	037	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	EPA 1633	OR
111.265	038	2H,2H,3H,3H-Perfluorohexanoic Acid (3:3 FTCA)	EPA 1633	OR
111.265	039	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	EPA 1633	OR
111.265	040	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	EPA 1633	OR
111.345	001	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	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 (NMeFOSAA)	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

As of 10/31/2024, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

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 (PFTeDA)	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-Chloroicoisafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	DoD QSM Version 5.1 (or newer)	DOD
111.345	025	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	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 (EtFOSE)	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 (NMeFOSE)	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 (PFEEESA)	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**

114.315	001	Aluminum	EPA 6010 B	OR
114.315	002	Antimony	EPA 6010 B	OR
114.315	003	Arsenic	EPA 6010 B	OR
114.315	004	Barium	EPA 6010 B	OR
114.315	005	Beryllium	EPA 6010 B	OR
114.315	006	Boron	EPA 6010 B	OR
114.315	007	Cadmium	EPA 6010 B	OR
114.315	008	Calcium	EPA 6010 B	OR
114.315	009	Chromium	EPA 6010 B	OR
114.315	010	Cobalt	EPA 6010 B	OR
114.315	011	Copper	EPA 6010 B	OR
114.315	012	Iron	EPA 6010 B	OR
114.315	013	Lead	EPA 6010 B	OR
114.315	014	Magnesium	EPA 6010 B	OR
114.315	015	Manganese	EPA 6010 B	OR
114.315	016	Molybdenum	EPA 6010 B	OR

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114.315	017	Nickel	EPA 6010 B	OR
114.315	018	Potassium	EPA 6010 B	OR
114.315	019	Selenium	EPA 6010 B	OR
114.315	020	Silver	EPA 6010 B	OR
114.315	021	Sodium	EPA 6010 B	OR
114.315	022	Strontium	EPA 6010 B	OR
114.315	023	Thallium	EPA 6010 B	OR
114.315	024	Tin	EPA 6010 B	OR
114.315	025	Titanium	EPA 6010 B	OR
114.315	026	Vanadium	EPA 6010 B	OR
114.315	027	Zinc	EPA 6010 B	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
114.335	001	Aluminum	EPA 6020	OR
114.335	002	Antimony	EPA 6020	OR
114.335	003	Arsenic	EPA 6020	OR
114.335	004	Barium	EPA 6020	OR

As of 10/31/2024, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

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114.335	005	Beryllium	EPA 6020	OR
114.335	006	Cadmium	EPA 6020	OR
114.335	007	Chromium	EPA 6020	OR
114.335	008	Cobalt	EPA 6020	OR
114.335	009	Copper	EPA 6020	OR
114.335	010	Lead	EPA 6020	OR
114.335	011	Manganese	EPA 6020	OR
114.335	012	Nickel	EPA 6020	OR
114.335	013	Silver	EPA 6020	OR
114.335	014	Thallium	EPA 6020	OR
114.335	015	Zinc	EPA 6020	OR
114.335	016	Molybdenum	EPA 6020	OR
114.335	017	Selenium	EPA 6020	OR
114.335	018	Vanadium	EPA 6020	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	007	Calcium	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	013	Magnesium	EPA 6020 B	OR
114.345	014	Manganese	EPA 6020 B	OR
114.345	016	Nickel	EPA 6020 B	OR
114.345	017	Potassium	EPA 6020 B	OR
114.345	018	Selenium	EPA 6020 B	OR
114.345	019	Silver	EPA 6020 B	OR
114.345	020	Sodium	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
114.545	001	Mercury	EPA 7471 B	OR
114.705	001	Cyanide, Total	EPA 9012 A	OR
114.715	001	Cyanide, Total	EPA 9012 B	OR
114.735	001	Sulfides	EPA 9034	OR

As of 10/31/2024, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

114.745	001	Fluoride	EPA 9056	OR
114.755	001	Fluoride	EPA 9056 A	OR
114.765	001	Organic Carbon-Total (TOC)	EPA 9060 A	OR

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**Field of Accreditation:115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste**


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115.055	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II	OR
115.085	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	OR
115.095	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	OR
115.135	001	Corrosivity - pH Determination	EPA 9045 C	OR
115.145	001	Corrosivity - pH Determination	EPA 9045 D	OR

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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	OR
116.215	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	OR
116.220	001	Gasoline Range Organics (GRO)	EPA 8015 B	OR
116.221	001	Gasoline Range Organics (GRO)	EPA 8015 C	OR
116.265	001	Benzene	EPA 8260 B	OR
116.265	002	Bromobenzene	EPA 8260 B	OR
116.265	003	Bromochloromethane	EPA 8260 B	OR
116.265	004	Bromodichloromethane	EPA 8260 B	OR
116.265	005	Bromoform	EPA 8260 B	OR
116.265	006	Bromomethane (Methyl Bromide)	EPA 8260 B	OR
116.265	007	n-Butylbenzene	EPA 8260 B	OR
116.265	008	sec-Butylbenzene	EPA 8260 B	OR
116.265	009	tert-Butylbenzene	EPA 8260 B	OR
116.265	010	Carbon Disulfide	EPA 8260 B	OR
116.265	011	Carbon Tetrachloride	EPA 8260 B	OR
116.265	012	Chlorobenzene	EPA 8260 B	OR
116.265	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 B	OR
116.265	014	Chloroethane	EPA 8260 B	OR
116.265	015	Chloroform	EPA 8260 B	OR
116.265	016	Chloromethane (Methyl Chloride)	EPA 8260 B	OR
116.265	017	Dibromomethane	EPA 8260 B	OR
116.265	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 B	OR
116.265	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 B	OR
116.265	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 B	OR
116.265	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 B	OR
116.265	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 B	OR
116.265	023	Ethylbenzene	EPA 8260 B	OR
116.265	024	Hexachlorobutadiene	EPA 8260 B	OR
116.265	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 B	OR
116.265	026	Methylene Chloride (Dichloromethane)	EPA 8260 B	OR
116.265	027	Naphthalene	EPA 8260 B	OR
116.265	029	N-propylbenzene	EPA 8260 B	OR



116.265	030	Styrene	EPA 8260 B	OR
116.265	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 B	OR
116.265	032	Toluene	EPA 8260 B	OR
116.265	033	Trichloroethylene (Trichloroethene)	EPA 8260 B	OR
116.265	034	Trichlorofluoromethane	EPA 8260 B	OR
116.265	035	Vinyl Chloride	EPA 8260 B	OR
116.265	036	m+p-Xylene	EPA 8260 B	OR
116.265	037	o-Xylene	EPA 8260 B	OR
116.265	040	1,1-Dichloroethane	EPA 8260 B	OR
116.265	041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 B	OR
116.265	042	1,1,1-Trichloroethane	EPA 8260 B	OR
116.265	043	1,1,1,2-Tetrachloroethane	EPA 8260 B	OR
116.265	044	1,1,2,2-Tetrachloroethane	EPA 8260 B	OR
116.265	045	1,1,2-Trichloroethane	EPA 8260 B	OR
116.265	046	1,2-Dichlorobenzene	EPA 8260 B	OR
116.265	047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 B	OR
116.265	048	1,2-Dibromoethane (EDB)	EPA 8260 B	OR
116.265	049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 B	OR
116.265	050	1,2-Dichloropropane	EPA 8260 B	OR
116.265	051	1,2,3-Trichloropropane (TCP)	EPA 8260 B	OR
116.265	052	1,2,4-Trichlorobenzene	EPA 8260 B	OR
116.265	053	1,3-Dichlorobenzene	EPA 8260 B	OR
116.265	054	1,4-Dichlorobenzene	EPA 8260 B	OR
116.265	055	2-Chloroethyl vinyl Ether	EPA 8260 B	OR
116.265	056	4-Chlorotoluene	EPA 8260 B	OR
116.265	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 B	OR
116.265	058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 B	OR
116.265	059	Diisopropyl ether (DIPE)	EPA 8260 B	OR
116.265	060	1,4-Dioxane	EPA 8260 B	OR
116.265	061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 B	OR
116.265	062	tert-Amyl Methyl Ether (TAME)	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

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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
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

As of 10/31/2024, this list supersedes all previous lists for this certificate number.  
 Customers: Please verify the current accreditation standing with the State.

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	060	1,4-Dioxane	EPA 8260 D	OR
116.275	061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 D	OR
116.275	062	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 D	OR

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**Field of Accreditation: 117 - Semi-volatile Organic Chemistry of Hazardous Waste**

117.235	002	Diesel Range Organics (DRO)	EPA 8015 B	OR
117.245	002	Diesel Range Organics (DRO)	EPA 8015 C	OR
117.315	001	Aldrin	EPA 8081 A	OR
117.315	002	alpha-BHC	EPA 8081 A	OR
117.315	003	beta-BHC	EPA 8081 A	OR
117.315	004	delta-BHC	EPA 8081 A	OR
117.315	005	gamma-BHC (Lindane)	EPA 8081 A	OR
117.315	006	Chlordane (total)	EPA 8081 A	OR
117.315	008	4,4'-DDD	EPA 8081 A	OR
117.315	009	4,4'-DDE	EPA 8081 A	OR
117.315	010	4,4'-DDT	EPA 8081 A	OR
117.315	011	Dieldrin	EPA 8081 A	OR
117.315	012	Endosulfan I	EPA 8081 A	OR
117.315	013	Endosulfan II	EPA 8081 A	OR
117.315	014	Endosulfan Sulfate	EPA 8081 A	OR
117.315	015	Endrin	EPA 8081 A	OR
117.315	016	Endrin Aldehyde	EPA 8081 A	OR
117.315	017	Endrin Ketone	EPA 8081 A	OR
117.315	018	Heptachlor	EPA 8081 A	OR
117.315	019	Heptachlor Epoxide	EPA 8081 A	OR
117.315	020	Methoxychlor	EPA 8081 A	OR
117.315	021	Toxaphene	EPA 8081 A	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

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117.325	015	Endrin	EPA 8081 B	OR
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
117.335	001	Aroclor 1016	EPA 8082	OR
117.335	002	Aroclor 1221	EPA 8082	OR
117.335	003	Aroclor 1232	EPA 8082	OR
117.335	004	Aroclor 1242	EPA 8082	OR
117.335	005	Aroclor 1248	EPA 8082	OR
117.335	006	Aroclor 1254	EPA 8082	OR
117.335	007	Aroclor 1260	EPA 8082	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
117.405	001	Azinphos Methyl	EPA 8141 A	OR
117.405	002	Chlorpyrifos	EPA 8141 A	OR
117.405	003	Demeton-O	EPA 8141 A	OR
117.405	004	Demeton-S	EPA 8141 A	OR
117.405	005	Diazinon	EPA 8141 A	OR
117.405	006	Dichlorvos (DDVP)	EPA 8141 A	OR
117.405	007	Disulfoton	EPA 8141 A	OR
117.405	008	Malathion	EPA 8141 A	OR
117.405	009	Parathion Ethyl	EPA 8141 A	OR
117.405	010	Parathion Methyl	EPA 8141 A	OR
117.405	011	Phorate	EPA 8141 A	OR
117.405	012	Ronnel	EPA 8141 A	OR
117.405	013	Stirophos (Tetrachlorovinphos)	EPA 8141 A	OR
117.415	001	Azinphos Methyl	EPA 8141 B	OR
117.415	002	Chlorpyrifos	EPA 8141 B	OR
117.415	003	Demeton-O	EPA 8141 B	OR
117.415	004	Demeton-S	EPA 8141 B	OR
117.415	005	Diazinon	EPA 8141 B	OR
117.415	006	Dichlorvos (DDVP)	EPA 8141 B	OR
117.415	007	Disulfoton	EPA 8141 B	OR
117.415	008	Malathion	EPA 8141 B	OR

As of 10/31/2024, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

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117.415	009	Parathion Ethyl	EPA 8141 B	OR
117.415	010	Parathion Methyl	EPA 8141 B	OR
117.415	011	Phorate	EPA 8141 B	OR
117.415	012	Ronnel	EPA 8141 B	OR
117.415	013	Stirophos (Tetrachlorovinphos)	EPA 8141 B	OR
117.435	001	Acenaphthene	EPA 8270 C	OR
117.435	002	Acenaphthylene	EPA 8270 C	OR
117.435	003	Aniline	EPA 8270 C	OR
117.435	004	Anthracene	EPA 8270 C	OR
117.435	005	Benzidine	EPA 8270 C	OR
117.435	006	Benzoic Acid	EPA 8270 C	OR
117.435	007	Benzo(a)anthracene	EPA 8270 C	OR
117.435	008	Benzo(b)fluoranthene	EPA 8270 C	OR
117.435	009	Benzo(k)fluoranthene	EPA 8270 C	OR
117.435	010	Benzo(g,h,i)perylene	EPA 8270 C	OR
117.435	011	Benzo(a)pyrene	EPA 8270 C	OR
117.435	012	Benzyl Alcohol	EPA 8270 C	OR
117.435	013	Bis(2-chloroethoxy) Methane	EPA 8270 C	OR
117.435	014	Bis(2-chloroethyl) Ether	EPA 8270 C	OR
117.435	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 C	OR
117.435	016	Butyl Benzyl Phthalate	EPA 8270 C	OR
117.435	017	Chrysene	EPA 8270 C	OR
117.435	018	Dibenz(a,h)anthracene	EPA 8270 C	OR
117.435	019	Dibenzofuran	EPA 8270 C	OR
117.435	020	Di-n-butyl Phthalate	EPA 8270 C	OR
117.435	021	Diethyl Phthalate	EPA 8270 C	OR
117.435	022	Dimethyl Phthalate	EPA 8270 C	OR
117.435	023	Di-n-octyl Phthalate	EPA 8270 C	OR
117.435	024	Fluoranthene	EPA 8270 C	OR
117.435	025	Fluorene	EPA 8270 C	OR
117.435	026	Naphthalene	EPA 8270 C	OR
117.435	027	Nitrobenzene	EPA 8270 C	OR
117.435	028	Pentachlorobenzene	EPA 8270 C	OR
117.435	029	Pentachlorophenol	EPA 8270 C	OR
117.435	030	1-Chloronaphthalene	EPA 8270 C	OR
117.435	031	1,2-Dichlorobenzene	EPA 8270 C	OR
117.435	032	1,3-Dichlorobenzene	EPA 8270 C	OR
117.435	033	1,4-Dichlorobenzene	EPA 8270 C	OR
117.435	034	2-Chloronaphthalene	EPA 8270 C	OR
117.435	035	2-Chlorophenol	EPA 8270 C	OR
117.435	036	2,4-Dichlorophenol	EPA 8270 C	OR
117.435	037	2,4-Dimethylphenol	EPA 8270 C	OR

As of 10/31/2024, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

117.435	038	2,4-Dinitrophenol	EPA 8270 C	OR
117.435	039	2,4-Dinitrotoluene	EPA 8270 C	OR
117.435	040	2,6-Dichlorophenol	EPA 8270 C	OR
117.435	041	2,6-Dinitrotoluene	EPA 8270 C	OR
117.435	042	2-Nitroaniline	EPA 8270 C	OR
117.435	043	2-Nitrophenol	EPA 8270 C	OR
117.435	044	3-Nitroaniline	EPA 8270 C	OR
117.435	045	3,3'-Dichlorobenzidine	EPA 8270 C	OR
117.435	046	4-Chloroaniline	EPA 8270 C	OR
117.435	047	4-Chloro-3-methylphenol	EPA 8270 C	OR
117.435	048	4-Bromophenyl Phenyl Ether	EPA 8270 C	OR
117.435	049	4-Chlorophenyl Phenyl Ether	EPA 8270 C	OR
117.435	050	4-Nitroaniline	EPA 8270 C	OR
117.435	051	4-Nitrophenol	EPA 8270 C	OR
117.435	061	Dinoseb	EPA 8270 C	OR
117.435	074	Disulfoton	EPA 8270 C	OR
117.435	076	Parathion Ethyl	EPA 8270 C	OR
117.435	077	Parathion Methyl	EPA 8270 C	OR
117.435	078	Phorate	EPA 8270 C	OR
117.435	087	N-nitrosodiethylamine (NDEA)	EPA 8270 C	OR
117.435	088	N-nitrosodimethylamine (NDMA)	EPA 8270 C	OR
117.435	089	N-nitrosodiphenylamine	EPA 8270 C	OR
117.435	090	N-nitroso-di-n-propylamine (NDPA)	EPA 8270 C	OR
117.435	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 C	OR
117.435	092	Isophorone	EPA 8270 C	OR
117.435	093	2-Methylnaphthalene	EPA 8270 C	OR
117.435	094	Phenanthrene	EPA 8270 C	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	005	Benzidine	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

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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	028	Pentachlorobenzene	EPA 8270 E	OR
117.445	029	Pentachlorophenol	EPA 8270 E	OR
117.445	030	1-Chloronaphthalene	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	040	2,6-Dichlorophenol	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	061	Dinoseb	EPA 8270 E	OR
117.445	074	Disulfoton	EPA 8270 E	OR
117.445	076	Parathion Ethyl	EPA 8270 E	OR
117.445	077	Parathion Methyl	EPA 8270 E	OR
117.445	078	Phorate	EPA 8270 E	OR
117.445	087	N-nitrosodiethylamine (NDEA)	EPA 8270 E	OR

As of 10/31/2024, this list supersedes all previous lists for this certificate number.  
 Customers: Please verify the current accreditation standing with the State.

117.445	088	N-nitrosodimethylamine (NDMA)	EPA 8270 E	OR
117.445	089	N-nitrosodiphenylamine	EPA 8270 E	OR
117.445	090	N-nitroso-di-n-propylamine (NDPA)	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
117.545	001	1,3,5-Trinitrobenzene	EPA 8330 A	OR
117.545	002	1,3-Dinitrobenzene	EPA 8330 A	OR
117.545	003	Nitrobenzene	EPA 8330 A	OR
117.545	004	2,4,6-Trinitrotoluene	EPA 8330 A	OR
117.545	005	2,4-Dinitrotoluene	EPA 8330 A	OR
117.545	006	2,6-Dinitrotoluene	EPA 8330 A	OR
117.545	007	2-Nitrotoluene	EPA 8330 A	OR
117.545	008	3-Nitrotoluene	EPA 8330 A	OR
117.545	009	4-Nitrotoluene	EPA 8330 A	OR
117.575	001	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	DoD QSM Version 5.1 (or newer)	DOD
117.575	002	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	003	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	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-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	DoD QSM Version 5.1 (or newer)	DOD
117.575	008	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF30NS)	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 (NMeFOSAA)	DoD QSM Version 5.1 (or newer)	DOD
117.575	012	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	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



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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 (PFTeDA)	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	034	Perfluorononane Sulfonic Acid (PFNS)	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 (PFEEESA)	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 (PFMBBA)	DoD QSM Version 5.1 (or newer)	DOD
117.580	001	Perfluorobutanoic Acid (PFBA)	EPA 1633	OR
117.580	002	Perfluoropentanoic Acid (PFPeA)	EPA 1633	OR
117.580	003	Perfluorohexanoic Acid (PFHxA)	EPA 1633	OR
117.580	004	Perfluoroheptanoic Acid (PFHpA)	EPA 1633	OR
117.580	005	Perfluorooctanoic Acid (PFOA)	EPA 1633	OR
117.580	006	Perfluorononanoic Acid (PFNA)	EPA 1633	OR
117.580	007	Perfluorodecanoic Acid (PFDA)	EPA 1633	OR
117.580	008	Perfluoroundecanoic Acid (PFUnDA)	EPA 1633	OR
117.580	009	Perfluorododecanoic Acid (PFDoA)	EPA 1633	OR
117.580	010	Perfluorotridecanoic Acid (PFTrDA)	EPA 1633	OR
117.580	011	Perfluorotetradecanoic Acid (PFTeDA)	EPA 1633	OR
117.580	012	Perfluorobutane Sulfonic Acid (PFBS)	EPA 1633	OR
117.580	013	Perfluoropentane Sulfonic Acid (PFPeS)	EPA 1633	OR
117.580	014	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 1633	OR
117.580	015	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 1633	OR
117.580	016	Perfluorooctane Sulfonic Acid (PFOS)	EPA 1633	OR
117.580	017	Perfluorononane Sulfonic Acid (PFNS)	EPA 1633	OR
117.580	018	Perfluorodecane Sulfonic Acid (PFDS)	EPA 1633	OR
117.580	019	Perfluorododecanesulfonic acid (PFDoS)	EPA 1633	OR
117.580	020	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	EPA 1633	OR
117.580	021	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	EPA 1633	OR
117.580	022	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	EPA 1633	OR
117.580	023	Perfluorooctane Sulfonamide (PFOSAm)	EPA 1633	OR
117.580	024	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	EPA 1633	OR
117.580	025	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	EPA 1633	OR
117.580	026	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	EPA 1633	OR
117.580	027	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	EPA 1633	OR
117.580	028	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	EPA 1633	OR
117.580	029	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	EPA 1633	OR

As of 10/31/2024, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

117.580	030	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 1633	OR
117.580	031	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 1633	OR
117.580	032	Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 1633	OR
117.580	033	Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 1633	OR
117.580	034	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 1633	OR
117.580	035	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	EPA 1633	OR
117.580	036	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	EPA 1633	OR
117.580	037	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	EPA 1633	OR
117.580	038	2H,2H,3H,3H-Perfluorohexanoic Acid (3:3 FTCA)	EPA 1633	OR
117.580	039	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	EPA 1633	OR
117.580	040	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	EPA 1633	OR

**Field of Accreditation:130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)**

130.010	001	Aluminum	EPA 6010 B	OR
130.010	002	Antimony	EPA 6010 B	OR
130.010	003	Arsenic	EPA 6010 B	OR
130.010	004	Barium	EPA 6010 B	OR
130.010	005	Beryllium	EPA 6010 B	OR
130.010	006	Boron	EPA 6010 B	OR
130.010	007	Cadmium	EPA 6010 B	OR
130.010	008	Calcium	EPA 6010 B	OR
130.010	009	Chromium	EPA 6010 B	OR
130.010	010	Cobalt	EPA 6010 B	OR
130.010	011	Copper	EPA 6010 B	OR
130.010	012	Iron	EPA 6010 B	OR
130.010	013	Lead	EPA 6010 B	OR
130.010	014	Magnesium	EPA 6010 B	OR
130.010	015	Manganese	EPA 6010 B	OR
130.010	016	Molybdenum	EPA 6010 B	OR
130.010	017	Nickel	EPA 6010 B	OR
130.010	018	Potassium	EPA 6010 B	OR
130.010	019	Selenium	EPA 6010 B	OR
130.010	020	Silver	EPA 6010 B	OR
130.010	021	Sodium	EPA 6010 B	OR
130.010	022	Strontium	EPA 6010 B	OR
130.010	023	Thallium	EPA 6010 B	OR
130.010	024	Tin	EPA 6010 B	OR
130.010	025	Titanium	EPA 6010 B	OR
130.010	026	Vanadium	EPA 6010 B	OR
130.010	027	Zinc	EPA 6010 B	OR
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
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
130.030	001	Aluminum	EPA 6020	OR
130.030	002	Antimony	EPA 6020	OR
130.030	003	Arsenic	EPA 6020	OR
130.030	004	Barium	EPA 6020	OR
130.030	005	Beryllium	EPA 6020	OR
130.030	006	Cadmium	EPA 6020	OR
130.030	007	Chromium	EPA 6020	OR
130.030	008	Cobalt	EPA 6020	OR
130.030	009	Copper	EPA 6020	OR
130.030	010	Lead	EPA 6020	OR
130.030	011	Manganese	EPA 6020	OR
130.030	012	Nickel	EPA 6020	OR
130.030	013	Silver	EPA 6020	OR
130.030	014	Thallium	EPA 6020	OR
130.030	015	Zinc	EPA 6020	OR
130.030	016	Molybdenum	EPA 6020	OR
130.030	017	Selenium	EPA 6020	OR
130.030	018	Vanadium	EPA 6020	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	007	Calcium	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	013	Magnesium	EPA 6020 B	OR
130.040	014	Manganese	EPA 6020 B	OR
130.040	016	Nickel	EPA 6020 B	OR
130.040	017	Potassium	EPA 6020 B	OR
130.040	018	Selenium	EPA 6020 B	OR
130.040	019	Silver	EPA 6020 B	OR
130.040	020	Sodium	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
130.140	001	Chromium VI (Hexavalent Chromium)	EPA 7196 A	OR
130.250	001	Mercury	EPA 7470 A	OR
130.430	001	Cyanide, Total	EPA 9012 A	OR
130.430	002	Cyanide, Amenable	EPA 9012 A	OR
130.440	001	Cyanide, Total	EPA 9012 B	OR
130.440	002	Cyanide, Amenable	EPA 9012 B	OR
130.460	001	Sulfides	EPA 9034	OR
130.470	001	Fluoride	EPA 9056	OR
130.480	001	Fluoride	EPA 9056 A	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)**

131.010	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II	OR
131.040	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	OR
131.050	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	OR
131.060	001	Ignitability	EPA 1010	OR
131.070	001	Ignitability	EPA 1010 A	OR
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
132.015	001	Gasoline Range Organics (GRO)	EPA 8015 B	OR
132.016	001	Gasoline Range Organics (GRO)	EPA 8015 C	OR
132.060	001	Benzene	EPA 8260 B	OR
132.060	002	Bromobenzene	EPA 8260 B	OR
132.060	003	Bromochloromethane	EPA 8260 B	OR
132.060	004	Bromodichloromethane	EPA 8260 B	OR
132.060	005	Bromoform	EPA 8260 B	OR
132.060	006	Bromomethane (Methyl Bromide)	EPA 8260 B	OR
132.060	007	n-Butylbenzene	EPA 8260 B	OR
132.060	008	sec-Butylbenzene	EPA 8260 B	OR
132.060	009	tert-Butylbenzene	EPA 8260 B	OR
132.060	010	Carbon Disulfide	EPA 8260 B	OR
132.060	011	Carbon Tetrachloride	EPA 8260 B	OR
132.060	012	Chlorobenzene	EPA 8260 B	OR
132.060	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 B	OR
132.060	014	Chloroethane	EPA 8260 B	OR
132.060	015	Chloroform	EPA 8260 B	OR
132.060	016	Chloromethane (Methyl Chloride)	EPA 8260 B	OR
132.060	017	Dibromomethane	EPA 8260 B	OR
132.060	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 B	OR
132.060	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 B	OR
132.060	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 B	OR
132.060	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 B	OR
132.060	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 8260 B	OR
132.060	023	Ethylbenzene	EPA 8260 B	OR
132.060	024	Hexachlorobutadiene	EPA 8260 B	OR
132.060	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 B	OR
132.060	026	Methylene Chloride (Dichloromethane)	EPA 8260 B	OR
132.060	027	Naphthalene	EPA 8260 B	OR
132.060	029	N-propylbenzene	EPA 8260 B	OR
132.060	030	Styrene	EPA 8260 B	OR
132.060	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 B	OR
132.060	032	Toluene	EPA 8260 B	OR
132.060	033	Trichloroethylene (Trichloroethene)	EPA 8260 B	OR
132.060	034	Trichlorofluoromethane	EPA 8260 B	OR
132.060	035	Vinyl Chloride	EPA 8260 B	OR
132.060	036	m+p-Xylene	EPA 8260 B	OR
132.060	037	o-Xylene	EPA 8260 B	OR
132.060	040	1,1-Dichloroethane	EPA 8260 B	OR
132.060	041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 B	OR

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132.060	042	1,1,1-Trichloroethane	EPA 8260 B	OR
132.060	043	1,1,1,2-Tetrachloroethane	EPA 8260 B	OR
132.060	044	1,1,2,2-Tetrachloroethane	EPA 8260 B	OR
132.060	045	1,1,2-Trichloroethane	EPA 8260 B	OR
132.060	046	1,2-Dichlorobenzene	EPA 8260 B	OR
132.060	047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 B	OR
132.060	048	1,2-Dibromoethane (EDB)	EPA 8260 B	OR
132.060	049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 B	OR
132.060	050	1,2-Dichloropropane	EPA 8260 B	OR
132.060	051	1,2,3-Trichloropropane (TCP)	EPA 8260 B	OR
132.060	052	1,2,4-Trichlorobenzene	EPA 8260 B	OR
132.060	053	1,3-Dichlorobenzene	EPA 8260 B	OR
132.060	054	1,4-Dichlorobenzene	EPA 8260 B	OR
132.060	055	2-Chloroethyl vinyl Ether	EPA 8260 B	OR
132.060	056	4-Chlorotoluene	EPA 8260 B	OR
132.060	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 B	OR
132.060	058	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260 B	OR
132.060	059	Diisopropyl ether (DIPE)	EPA 8260 B	OR
132.060	060	1,4-Dioxane	EPA 8260 B	OR
132.060	061	Ethyl tert-butyl Ether (ETBE)	EPA 8260 B	OR
132.060	062	tert-Amyl Methyl Ether (TAME)	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

As of 10/31/2024, this list supersedes all previous lists for this certificate number.  
 Customers: Please verify the current accreditation standing with the State.

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	060	1,4-Dioxane	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

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**Field of Accreditation: 133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)**

133.010	002	Diesel Range Organics (DRO)	EPA 8015 B	OR
133.020	002	Diesel Range Organics (DRO)	EPA 8015 C	OR
133.090	001	Aldrin	EPA 8081 A	OR

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133.090	002	alpha-BHC	EPA 8081 A	OR
133.090	003	beta-BHC	EPA 8081 A	OR
133.090	004	delta-BHC	EPA 8081 A	OR
133.090	005	gamma-BHC (Lindane)	EPA 8081 A	OR
133.090	006	Chlordane	EPA 8081 A	OR
133.090	008	4,4'-DDD	EPA 8081 A	OR
133.090	009	4,4'-DDE	EPA 8081 A	OR
133.090	010	4,4'-DDT	EPA 8081 A	OR
133.090	011	Dieldrin	EPA 8081 A	OR
133.090	012	Endosulfan I	EPA 8081 A	OR
133.090	013	Endosulfan II	EPA 8081 A	OR
133.090	014	Endosulfan Sulfate	EPA 8081 A	OR
133.090	015	Endrin	EPA 8081 A	OR
133.090	016	Endrin Aldehyde	EPA 8081 A	OR
133.090	017	Endrin Ketone	EPA 8081 A	OR
133.090	018	Heptachlor	EPA 8081 A	OR
133.090	019	Heptachlor Epoxide	EPA 8081 A	OR
133.090	020	Methoxychlor	EPA 8081 A	OR
133.090	021	Toxaphene	EPA 8081 A	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
133.120	001	Aroclor 1016	EPA 8082	OR
133.120	002	Aroclor 1221	EPA 8082	OR
133.120	003	Aroclor 1232	EPA 8082	OR

As of 10/31/2024, this list supersedes all previous lists for this certificate number.  
 Customers: Please verify the current accreditation standing with the State.



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133.120	004	Aroclor 1242	EPA 8082	OR
133.120	005	Aroclor 1248	EPA 8082	OR
133.120	006	Aroclor 1254	EPA 8082	OR
133.120	007	Aroclor 1260	EPA 8082	OR
133.130	001	Aroclor 1016	EPA 8082 A	OR
133.130	002	Aroclor 1221	EPA 8082 A	OR
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
133.190	001	Azinphos Methyl	EPA 8141 A	OR
133.190	002	Chlorpyrifos	EPA 8141 A	OR
133.190	003	Demeton-O	EPA 8141 A	OR
133.190	004	Demeton-S	EPA 8141 A	OR
133.190	005	Diazinon	EPA 8141 A	OR
133.190	006	Dichlorvos (DDVP)	EPA 8141 A	OR
133.190	007	Disulfoton	EPA 8141 A	OR
133.190	008	Malathion	EPA 8141 A	OR
133.190	009	Parathion Ethyl	EPA 8141 A	OR
133.190	010	Parathion Methyl	EPA 8141 A	OR
133.190	011	Phorate	EPA 8141 A	OR
133.190	012	Ronnel	EPA 8141 A	OR
133.190	013	Stirophos (Tetrachlorovinphos)	EPA 8141 A	OR
133.210	001	Azinphos Methyl	EPA 8141 B	OR
133.210	002	Chlorpyrifos	EPA 8141 B	OR
133.210	003	Demeton-O	EPA 8141 B	OR
133.210	004	Demeton-S	EPA 8141 B	OR
133.210	005	Diazinon	EPA 8141 B	OR
133.210	006	Dichlorvos (DDVP)	EPA 8141 B	OR
133.210	007	Disulfoton	EPA 8141 B	OR
133.210	008	Malathion	EPA 8141 B	OR
133.210	009	Parathion Ethyl	EPA 8141 B	OR
133.210	010	Parathion Methyl	EPA 8141 B	OR
133.210	011	Phorate	EPA 8141 B	OR
133.210	012	Ronnel	EPA 8141 B	OR
133.210	013	Stirophos (Tetrachlorovinphos)	EPA 8141 B	OR
133.230	001	Acenaphthene	EPA 8270 C	OR
133.230	002	Acenaphthylene	EPA 8270 C	OR
133.230	003	Aniline	EPA 8270 C	OR
133.230	004	Anthracene	EPA 8270 C	OR
133.230	005	Benzidine	EPA 8270 C	OR

133.230	006	Benzoic Acid	EPA 8270 C	OR
133.230	007	Benzo(a)anthracene	EPA 8270 C	OR
133.230	008	Benzo(b)fluoranthene	EPA 8270 C	OR
133.230	009	Benzo(k)fluoranthene	EPA 8270 C	OR
133.230	010	Benzo(g,h,i)perylene	EPA 8270 C	OR
133.230	011	Benzo(a)pyrene	EPA 8270 C	OR
133.230	012	Benzyl Alcohol	EPA 8270 C	OR
133.230	013	Bis(2-chloroethoxy) Methane	EPA 8270 C	OR
133.230	014	Bis(2-chloroethyl) Ether	EPA 8270 C	OR
133.230	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 C	OR
133.230	016	Butyl Benzyl Phthalate	EPA 8270 C	OR
133.230	017	Chrysene	EPA 8270 C	OR
133.230	018	Dibenz(a,h)anthracene	EPA 8270 C	OR
133.230	019	Dibenzofuran	EPA 8270 C	OR
133.230	020	Di-n-butyl Phthalate	EPA 8270 C	OR
133.230	021	Diethyl Phthalate	EPA 8270 C	OR
133.230	022	Dimethyl Phthalate	EPA 8270 C	OR
133.230	023	Di-n-octyl Phthalate	EPA 8270 C	OR
133.230	024	Fluoranthene	EPA 8270 C	OR
133.230	025	Fluorene	EPA 8270 C	OR
133.230	026	Naphthalene	EPA 8270 C	OR
133.230	027	Nitrobenzene	EPA 8270 C	OR
133.230	028	Pentachlorobenzene	EPA 8270 C	OR
133.230	029	Pentachlorophenol	EPA 8270 C	OR
133.230	030	1-Chloronaphthalene	EPA 8270 C	OR
133.230	031	1,2-Dichlorobenzene	EPA 8270 C	OR
133.230	032	1,3-Dichlorobenzene	EPA 8270 C	OR
133.230	033	1,4-Dichlorobenzene	EPA 8270 C	OR
133.230	034	2-Chloronaphthalene	EPA 8270 C	OR
133.230	035	2-Chlorophenol	EPA 8270 C	OR
133.230	036	2,4-Dichlorophenol	EPA 8270 C	OR
133.230	037	2,4-Dimethylphenol	EPA 8270 C	OR
133.230	038	2,4-Dinitrophenol	EPA 8270 C	OR
133.230	039	2,4-Dinitrotoluene	EPA 8270 C	OR
133.230	040	2,6-Dichlorophenol	EPA 8270 C	OR
133.230	041	2,6-Dinitrotoluene	EPA 8270 C	OR
133.230	042	2-Nitroaniline	EPA 8270 C	OR
133.230	043	2-Nitrophenol	EPA 8270 C	OR
133.230	044	3-Nitroaniline	EPA 8270 C	OR
133.230	045	3,3'-Dichlorobenzidine	EPA 8270 C	OR
133.230	046	4-Chloroaniline	EPA 8270 C	OR
133.230	047	4-Chloro-3-methylphenol	EPA 8270 C	OR

133.230	048	4-Bromophenyl Phenyl Ether	EPA 8270 C	OR
133.230	049	4-Chlorophenyl Phenyl Ether	EPA 8270 C	OR
133.230	050	4-Nitroaniline	EPA 8270 C	OR
133.230	051	4-Nitrophenol	EPA 8270 C	OR
133.230	061	Dinoseb	EPA 8270 C	OR
133.230	074	Disulfoton	EPA 8270 C	OR
133.230	076	Parathion Ethyl	EPA 8270 C	OR
133.230	077	Parathion Methyl	EPA 8270 C	OR
133.230	078	Phorate	EPA 8270 C	OR
133.230	087	N-nitrosodiethylamine (NDEA)	EPA 8270 C	OR
133.230	088	N-nitrosodimethylamine (NDMA)	EPA 8270 C	OR
133.230	089	N-nitrosodiphenylamine	EPA 8270 C	OR
133.230	090	N-nitroso-di-n-propylamine (NDPA)	EPA 8270 C	OR
133.230	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 C	OR
133.230	092	Isophorone	EPA 8270 C	OR
133.230	093	2-Methylnaphthalene	EPA 8270 C	OR
133.230	094	Phenanthrene	EPA 8270 C	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	005	Benzidine	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

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133.240	026	Naphthalene	EPA 8270 E	OR
133.240	027	Nitrobenzene	EPA 8270 E	OR
133.240	028	Pentachlorobenzene	EPA 8270 E	OR
133.240	029	Pentachlorophenol	EPA 8270 E	OR
133.240	030	1-Chloronaphthalene	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	040	2,6-Dichlorophenol	EPA 8270 E	OR
133.240	041	2,6-Dinitrotoluene	EPA 8270 E	OR
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	061	Dinoseb	EPA 8270 E	OR
133.240	074	Disulfoton	EPA 8270 E	OR
133.240	076	Parathion Ethyl	EPA 8270 E	OR
133.240	077	Parathion Methyl	EPA 8270 E	OR
133.240	078	Phorate	EPA 8270 E	OR
133.240	087	N-nitrosodiethylamine (NDEA)	EPA 8270 E	OR
133.240	088	N-nitrosodimethylamine (NDMA)	EPA 8270 E	OR
133.240	089	N-nitrosodiphenylamine	EPA 8270 E	OR
133.240	090	N-nitroso-di-n-propylamine (NDPA)	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
133.350	001	1,3,5-Trinitrobenzene	EPA 8330 A	OR
133.350	002	1,3-Dinitrobenzene	EPA 8330 A	OR
133.350	003	Nitrobenzene	EPA 8330 A	OR

As of 10/31/2024, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

133.350	004	2,4,6-Trinitrotoluene	EPA 8330 A	OR
133.350	005	2,4-Dinitrotoluene	EPA 8330 A	OR
133.350	006	2,6-Dinitrotoluene	EPA 8330 A	OR
133.350	007	2-Nitrotoluene	EPA 8330 A	OR
133.350	008	3-Nitrotoluene	EPA 8330 A	OR
133.350	009	4-Nitrotoluene	EPA 8330 A	OR
133.380	001	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	DoD QSM Version 5.1 (or newer)	DOD
133.380	002	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEIFOSAA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	003	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	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-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	DoD QSM Version 5.1 (or newer)	DOD
133.380	008	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	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 (NMeFOSAA)	DoD QSM Version 5.1 (or newer)	DOD
133.380	012	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	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 (PFTeDA)	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	034	Perfluorononane Sulfonic Acid (PFNS)	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-dioxaheptanoic acid (NFDHA)	DoD QSM Version 5.1 (or newer)	DOD

133.380	040	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	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
133.390	001	Perfluorobutanoic Acid (PFBA)	EPA 1633	OR
133.390	002	Perfluoropentanoic Acid (PFPeA)	EPA 1633	OR
133.390	003	Perfluorohexanoic Acid (PFHxA)	EPA 1633	OR
133.390	004	Perfluoroheptanoic Acid (PFHpA)	EPA 1633	OR
133.390	005	Perfluorooctanoic Acid (PFOA)	EPA 1633	OR
133.390	006	Perfluorononanoic Acid (PFNA)	EPA 1633	OR
133.390	007	Perfluorodecanoic Acid (PFDA)	EPA 1633	OR
133.390	008	Perfluoroundecanoic Acid (PFUnDA)	EPA 1633	OR
133.390	009	Perfluorododecanoic Acid (PFDoA)	EPA 1633	OR
133.390	010	Perfluorotridecanoic Acid (PFTrDA)	EPA 1633	OR
133.390	011	Perfluorotetradecanoic Acid (PFTeDA)	EPA 1633	OR
133.390	012	Perfluorobutane Sulfonic Acid (PFBS)	EPA 1633	OR
133.390	013	Perfluoropentane Sulfonic Acid (PFPeS)	EPA 1633	OR
133.390	014	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 1633	OR
133.390	015	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 1633	OR
133.390	016	Perfluorooctane Sulfonic Acid (PFOS)	EPA 1633	OR
133.390	017	Perfluorononane Sulfonic Acid (PFNS)	EPA 1633	OR
133.390	018	Perfluorodecane Sulfonic Acid (PFDS)	EPA 1633	OR
133.390	019	Perfluorododecanesulfonic acid (PFDoS)	EPA 1633	OR
133.390	020	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	EPA 1633	OR
133.390	021	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	EPA 1633	OR
133.390	022	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	EPA 1633	OR
133.390	023	Perfluorooctane Sulfonamide (PFOSAm)	EPA 1633	OR
133.390	024	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	EPA 1633	OR
133.390	025	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	EPA 1633	OR
133.390	026	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	EPA 1633	OR
133.390	027	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEFOSAA)	EPA 1633	OR
133.390	028	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	EPA 1633	OR
133.390	029	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	EPA 1633	OR
133.390	030	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 1633	OR
133.390	031	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 1633	OR
133.390	032	Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 1633	OR
133.390	033	Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 1633	OR
133.390	034	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 1633	OR
133.390	035	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	EPA 1633	OR
133.390	036	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	EPA 1633	OR
133.390	037	Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	EPA 1633	OR
133.390	038	2H,2H,3H,3H-Perfluorohexanoic Acid (3:3 FTCA)	EPA 1633	OR
133.390	039	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	EPA 1633	OR

133.390 040 2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)

EPA 1633

OR

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Always check on-line for validity.



# Quality Assurance Manual for Environmental Analytical Services



## Calscience

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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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**1) INTRODUCTION, SCOPE, AND APPLICABILITY**

**1.1) Introduction and Compliance References**

- A. Eurofins Calscience Quality Assurance Manual (QAM) is a document prepared to define the overall policies, organization objectives and functional responsibilities for maintaining the laboratory’s QA Program. Governing SOPs are in place within the organization to ensure the proper execution of this QA Manual. This manual is required reading for all personnel. Supporting SOPs are assigned reading for relevant personnel.
- B. The laboratory is a team of people who work together to serve the health and environmental needs of society through science and technology. We offer comprehensive expertise in environmental laboratory applications and client relations with a focus on quality.
- C. As such, this QAM has been prepared to assure compliance with the applicable versions of The NELAC Institute (TNI) Standard; ISO/IEC Guide 17025; and the Department of Defense (DoD)/Department of Energy (DOE) Quality Systems Manual (QSM). Policies and procedures referenced within this manual are compliant with the Eurofins Environment Testing (EET) National Business Line Service Center (NBLSC) procedures; Eurofins Calscience; and the associated accreditation and certification programs held by the laboratory to support environmental work.

**1.2) Terms and Definitions**

- A. A Quality Management Program is a system designed to ensure that data produced by the laboratory conforms to the standards set by state and/or federal regulations. The program functions at the local management level through company goals, from guidance at the executive management level, and at the analytical level through Standard Operating Procedures (SOPs) and quality control. Our program is designed to minimize systematic error, encourage constructive, documented problem solving, and provide a framework for continuous improvement within the organization to better serve our clients.
- B. Specific terms and acronyms used in the laboratory are defined in the corresponding procedures, identified in the analysis reports, and/or addressed in the referenced regulatory/method documents. Definitions are referenced in Calscience QAM *Appendix 1 -- Definitions*.

**1.3) Scope / Fields of Testing**

- A. The laboratory analyzes a broad range of environmental and industrial samples. Sample matrices include, but are not limited to air, effluent water, groundwater, hazardous waste, sludge and soils. The QA Program contains specific procedures and methods to test samples of differing matrices for chemical and physical parameters. The Program also contains guidelines on maintaining documentation of analytical processes, reviewing results, servicing clients and tracking samples through the laboratory. The technical and service requirements of all analytical requests are thoroughly evaluated before commitments are made to accept the work. Measurements are made using published reference methods or methods developed and validated by the laboratory.
- B. The methods covered by this manual include the most frequently requested methodologies needed to provide analytical services in the United States and its territories; and Canada. The specific list of test methods used by the laboratory can be found in TALS. Our areas of expertise include:

Standard Services	Specialty Services
<ul style="list-style-type: none"> <li>A. Volatiles</li> <li>B. Semivolatiles</li> <li>C. Metals</li> <li>D. Pesticides/PCBs/Herbicides</li> </ul>	<ul style="list-style-type: none"> <li>A. Perchlorate</li> <li>B. 1,4-Dioxane</li> <li>C. PCB Congeners</li> <li>D. Explosives</li> </ul>

E. Petroleum Hydrocarbons	E. Alkyl PAHs, Alkanes, Biomarkers
F. Waste Characterization	F. Organic Acids
G. Non-Potable Water Testing	G. Aldehydes
H. Soil and Surface Water Testing	H. Other
I. Vapor and Air Analysis	
J. Sediment and Tissue Testing	
K. Other	

C. **Note:** All current certificates and scopes of accreditation are available on the Eurofins' website at <https://www.eurofinsus.com/environment-testing/resources/certifications/>.

D. The approach of this manual is to define the minimum level of quality assurance and quality control necessary to meet these requirements. All methods performed by the laboratory shall meet these criteria as appropriate. In some instances, quality assurance project plans (QAPPs), project specific data quality objectives (DQOs) or local regulations may require criteria other than those contained in this manual. In these cases, the laboratory will abide by the requested criteria following review and acceptance of the requirements by the Business Unit Manager (BUMA) and the Quality Assurance (QA) Manager. In some cases, QAPPs and DQOs may specify less stringent requirements. The Laboratory BUMA and the QA Manager must determine if it is in the lab's best interest to follow the less stringent requirements.

#### 1.4) Quality Manual Review Process

- A. The template on which this manual is based is reviewed annually by the NBLSC Quality Assurance leadership team. NBLSC QA will assure that the template complies with Section 1.1.
- B. This manual itself is reviewed annually by senior laboratory management to assure that it reflects current practices and meets the requirements of the laboratory's clients and regulators. Occasionally, the manual may need to be revised in order to meet new or changing regulations and operations. The QA Manager (or designee) will review the changes in the normal course of business and incorporate changes into revised sections of the document. All updates will be reviewed by the designated senior laboratory management staff. The laboratory updates and approves such changes in accordance with our *Document Control* processes.

## 2) MANAGEMENT REQUIREMENTS

### 2.1) Overview

A. The laboratory is an independent business unit within the Eurofins Environment Testing group of companies. The laboratory's operational and support staff have the day-to-day independent operational authority under the direction of the Business Unit Manager (BUMA). The laboratory's quality system is managed under the oversight of the QA Manager with the BUMA. The laboratory management staff includes the operations manager, department managers and group leaders. The organizational chart of the management staff is included as [Appendix 3](#). Individual department staff lists are maintained in the laboratory's internal records.

### 2.2) Roles and Responsibilities

#### A. Business Unit Manager

1. The BUMA is responsible for the overall quality, safety, financial, technical, human resource and service performance of the BU and reports to their Business Unit or Scope President. The BUMA is also responsible for any service centers connected with their BU that perform analytical tests, such as short holding time analyses. The BUMA provides the resources necessary to implement and maintain an effective and comprehensive Quality Assurance and Data Integrity Program.
2. Specific responsibilities include, but are not limited to:

- a. Designates one or more technical managers for the appropriate fields of testing. If the Technical Manager is unavailable for a period of time exceeding 15 consecutive calendar days, the BUMA must designate another staff member meeting the qualifications of the Technical Manager to temporarily perform this function. If the absence exceeds 35 calendar days, the primary accrediting body must be notified in writing.
- b. Ensures that all analysts and supervisors have the appropriate education and training to properly carry out the duties assigned to them and ensures that this training has been documented. Works with Eurofins Environment Testing Human Resources for hiring of new personnel.
- c. Ensures that personnel are free from any commercial, financial and other undue pressures which might adversely affect the quality of their work.
- d. Ensures Eurofins human resource policies are adhered to and maintained.
- e. Ensures that sufficient numbers of qualified personnel are employed to supervise and perform the work of the laboratory. Assesses laboratory capacity and workload.
- f. Ensures that appropriate corrective actions are taken to address analyses identified as requiring such actions by internal and external performance or procedural audits. Procedures that do not meet the standards set forth in the QA Manual or laboratory SOPs may be temporarily suspended by the BUMA.
- g. Reviews and approves, or delegates the responsibility for review and approval, for all SOPs prior to their implementation and ensures all approved SOPs are implemented and adhered to.
- h. Pursues and maintains appropriate laboratory certification and contract approvals. Supports ISO 17025 requirements.
- i. Ensures client specific reporting and quality control requirements are met.
- j. Contributes to the continuous improvement of the laboratory operations.
- k. Maintains an awareness of technical developments and regulatory requirements.
- l. Leads the management team, consisting of the QA Manager, the Technical Manager(s), and the Operations Manager as direct reports.

## **B. Quality Assurance Manager**

1. The QA Manager has responsibility and authority to ensure the continuous implementation of the quality system for the BU. The QA Manager is also responsible for any service centers connected with their BU that perform analytical tests, such as short holding time analyses.
2. The QA Manager reports directly to the BUMA. This position is able to evaluate data objectively and perform assessments without outside (e.g., managerial) influence. The National Business Line Service Center (NBLSC) QA team and procedures may be used as a resource in dealing with regulatory requirements, certifications and other quality assurance related items.
3. The QA Manager directs the activities of the QA staff to accomplish specific responsibilities, which include, but are not limited to:
  - a. Serves as the focal point for QA/QC in the laboratory.
  - b. Have functions independent from laboratory operations for which he/she has quality assurance oversight.
  - c. Have documented training and/or experience in QA/QC procedures and the laboratory's Quality System.

- d. Have a general knowledge of the analytical test methods for which data audit/review is performed (and/or having the means of getting this information when needed).
- e. Arrange for or conducting internal audits on quality systems and the technical operation Notifying laboratory management of deficiencies in the quality system and ensuring corrective action is taken. Procedures that do not meet the standards set forth in the QA Manual or laboratory SOPs shall be investigated following procedures outlined in Section 12 and if deemed necessary may be temporarily suspended during the investigation.
- f. Maintaining and updating the QA Manual.
- g. Monitoring and evaluating laboratory certifications; scheduling proficiency testing samples.
- h. Monitoring and communicating regulatory changes that may affect the laboratory to management.
- i. Training and advising the laboratory staff on quality assurance/quality control procedures that are pertinent to their daily activities.
- j. The laboratory QA Manager will maintain records of all ethics-related training, including the type and proof of attendance.
- k. Maintain, improve, and evaluate the corrective action database and the corrective and preventive action systems.
- l. Objectively monitor standards of performance in quality control and quality assurance without outside (e.g., managerial) influence.
- m. Coordinating of document control of SOPs, MDLs, control limits, and miscellaneous forms and information.
- n. Performing technical data audits and method audits to ensure consistency and compliance with regulatory requirements.
- o. Review of external audit reports and data validation requests.
- p. Follow-up with audits to ensure client QAPP requirements are met.
- q. Establishment of reporting schedule and preparation of various quality system reports for the BUMA, clients and/or NBLSC QA.
- r. Development of suggestions and recommendations to improve quality systems.
- s. Research of current state and federal requirements and guidelines.
- t. Participate in the vendor and supplier approval process, including subcontractors.
- u. Leads the QA team to enable communication and distribution of duties and responsibilities.
- v. Communication with the relevant regulatory bodies when there are management or facility changes that impact the laboratory.
- w. Ensuring communication & monitoring standards of performance to ensure that systems are in place to produce the level of quality as defined in this document.
- x. Evaluation of the thoroughness and effectiveness of training.
- y. Compliance with ISO 17025.
- z. Compliance with the DoD/DOE QSM (where applicable).

### C. Department Managers

1. The Department Manager(s) report(s) directly to the BUMA. He/she is accountable for all analyses and analysts under their experienced supervision and for compliance with the ISO 17025:2017 and TNI Standard. The scope of responsibility ranges from the new-hire process and existing technology through the ongoing training and development programs for existing analysts and new instrumentation.
2. Specific responsibilities include, but are not limited to:
  - a. Exercises day-to-day supervision of laboratory operations for the appropriate field of accreditation and reporting of results. Coordinating, writing, and reviewing preparation of all test methods, i. e., SOPs, with regard to quality, integrity, regulatory and optimum and efficient production techniques, and subsequent analyst training and interpretation of the SOPs for implementation and unusual project samples. He/she insures that the SOPs are properly managed and adhered to at the bench. He/she develops standard costing of SOPs to include supplies, labor, overhead, and capacity (design vs. demonstrated versus first-run yield) utilization.
  - b. Reviewing and approving client project proposals, with input from the QA Manager and in accordance with an established procedure for the review of requests and contracts. This procedure addresses the adequate definition of methods to be used for analysis and any limitations, the laboratory's capability and resources, the client's expectations. Differences are resolved before the contract is signed and work begins. A system documenting any significant changes is maintained, as well as pertinent discussions with the client regarding their requirements or the results of the analyses during the performance of the contract. All work subcontracted by the laboratory must be approved by the client. Any deviations from the contract must be disclosed to the client. Once the work has begun, any amendments to the contract must be discussed with the client and so documented.
  - c. Monitoring the validity of the analyses performed and data generated in the laboratory. This activity begins with reviewing and supporting all new business contracts, insuring data quality, analyzing internal and external nonconformances to identify root cause issues and implementing the resulting corrective and preventive actions, facilitating the data review process (training, development, and accountability at the bench), and providing technical and troubleshooting expertise on routine and unusual or complex problems.
  - d. Providing training and development programs to applicable laboratory staff as new hires and, subsequently, on a scheduled basis. Training includes instruction on calculations, instrumentation management to include troubleshooting and preventive maintenance.
  - e. Enhancing efficiency and improving quality through technical advances and improved LIMS utilization. Capital forecasting and instrument life cycle planning for second generation methods and instruments as well as asset inventory management.
  - f. Coordinating sample management from "cradle to grave," insuring that no time is lost in locating samples.
  - g. Scheduling all QA/QC-related requirements for compliance, e.g., MDLs, etc.
  - h. Captains department personnel to communicate quality, technical, personnel, and instrumental issues for a consistent team approach.
    - i. Coordinates audit responses with the QA Manager.
    - j. Compliance with ISO 17025.
    - k. Compliance with the DoD/DOE QSM (where applicable).

#### D. Operations Manager

1. The Operations Manager manages and directs the analytical production sections of the laboratory. He/She reports directly to the BUMA. He/She assists the Technical Manager in determining the most

efficient instrument utilization.

2. More specifically, he/she:

- a. Evaluates the level of internal/external nonconformances for all departments.
- b. Continuously evaluates production capacity and improves capacity utilization.
- c. Continuously evaluates turnaround time and addresses any problems that may hinder meeting the required and committed turnaround time from the various departments.
- d. Develops and improves the training of all analysts in cooperation with the Technical Manager and QA Manager and in compliance with regulatory requirements.
- e. Works with the technical department management and staff to ensure that scheduled instrument maintenance is completed.
- f. Is responsible for efficient utilization of supplies.
- g. Constantly monitors and modifies the processing of samples through the departments.
- h. Fully supports the quality system and, if called upon in the absence of the QA Manager, serves as his/her substitute in the interim.

**E. Project Manager (PM)**

1. The members of the laboratory Client Services/Project Management Group are responsible for organizing and managing client projects. Clients are assigned a project manager who serves as their primary contact at the laboratory. It is the PM's responsibility to act as the client advocate by communicating client requirements to laboratory personnel and ensuring that clients provide complete information needed by the laboratory to meet those requirements – including all verbal communications.
2. With the overall goal of total client satisfaction, the functions of this position are outlined below:
  - a. Scheduling sample submissions, sample container orders and sample pick-up via the laboratory courier service.
  - b. Confirming certification status.
  - c. Coordinating and communicating turnaround time (TAT) requirements for high priority samples/projects.
  - d. Answering common technical questions, facilitating problem resolution and coordinating technical details with the laboratory staff.
  - e. Ensuring that client specifications, when known, are met by communicating project and quality assurance requirements to the laboratory.
  - f. Coordinating subcontract laboratory services and logistics when needed.
  - g. Notifying the supervisors of incoming projects and sample delivery schedules.
  - h. Accountable to clients for communicating sample status reports or results prior to receipt of the final report.
  - i. Monitor the status of all data package projects in-house to ensure timely and accurate delivery of reports.
  - j. Inform clients of data package-related problems and resolve service issues.



## F. Group Leaders

1. Group Leaders report to the Operations Manager. Each one is responsible to:
  - a. Ensure that staff in their department adheres to applicable SOPs and the QA Manual. They perform scheduled SOP and QA Manual review to determine if staff and processes are in compliance and if new, modified, and optimized measures are feasible and should be added to these documents.
  - b. With regard to staff, participates in the selection, training (as documented in Section 3.3), development of performance objectives and standards of performance, appraisal (measurement of objectives), scheduling, counseling, discipline, and motivation of the staff and documents these activities in accordance with systems developed by the QA and Personnel Departments. They evaluate staffing sufficiency and overtime needs. Training consists of familiarization with SOP, QC, Safety, and computer systems.
  - c. Encourage the development of staff to become cross-trained in various methods, processes, and/or operate multiple instruments efficiently while performing maintenance and documentation, self-supervise, and function as a department team.
  - d. In conjunction with the Technical Manager, Operations Manager, and/or QA Manager, provide guidance to staff in resolving problems encountered during performance of their duties. Each is responsible for ensuring 100% of the data review and documentation, nonconformance issues, the timely and accurate completion of performance testing (PT) samples and MDLs, for the department.
  - e. Ensure all logbooks are maintained, current, and properly labeled or archived.
  - f. Ensure that preventive maintenance is performed on instrumentation as detailed in the QA Manual or SOPs and is responsible for developing and implementing a system for preventive maintenance, troubleshooting, and repairing or arranging for repair of instruments.
  - g. Maintain adequate and valid inventory of reagents, standards, spare parts, and other relevant resources required to perform daily analysis.
  - h. Achieve optimum turnaround time on analyses and compliance with holding times.
  - i. Conduct efficiency and cost control evaluations on an ongoing basis to determine optimization of labor, supplies, overtime, first-run yield, capacity (designed vs. demonstrated), second- and third-generation production techniques/instruments, and long-term needs for budgetary planning.
  - j. Develop, implement, and enhance calibration programs.
  - k. Provide written responses to external and internal audit issues.

## G. Laboratory Analysts / Technicians

1. Laboratory analysts/technicians are responsible for conducting analyses and performing all tasks assigned to them by the group leader or supervisor.
2. The responsibilities of the analysts are listed below:
  - a. Perform analyses by adhering to analytical and quality control protocols prescribed by current SOPs, this QA Manual, and project-specific plans honestly, accurately, timely, safely, and in the most cost-effective manner.
  - b. As applicable to their assigned tasks, document standard, reagent, and sample preparation, instrument calibration and maintenance, data calculations, sample matrix effects, and any observed nonconformance on worklists, benchsheets, lab notebooks and/or the LIMS.

- c. Report all nonconformance situations, instrument problems, matrix problems and QC failures, which might affect the reliability of the data, to their supervisor or member of QA staff.
- d. Perform 100% review of the data generated prior to submitting for secondary level review.
- e. Suggest method improvements to their supervisor or member of QA staff. These improvements, if method compliant and approved, will be incorporated. Ideas for the optimum performance of their assigned area are encouraged.
- f. Work cohesively as a team in their department to achieve the goals of accurate results, data quality, optimum turnaround time, cost effectiveness, cleanliness, complete documentation, and personal knowledge of environmental analysis.

### 2.3) Business Continuity and Contingency Plans

- A. Various policies and practices are in place to address continuity of business and contingency plans to ensure continued operations or minimal disruption in operations should unplanned events (natural disasters, unexpected management changes, etc.) occur. Deputies are identified for all key management personnel. Deputies would temporarily fill a role if the primary is unavailable for more than 15 consecutive calendar days. The deputies must meet the same qualifications as the primary person should they be required to take on the responsibilities. The QA Manager communicates to the relevant regulatory authorities when there are management or facility changes that impact the laboratory. Changes in the technical director must be communicated within a period of time and in the manner dictated by each regulatory authority.
- B. The following table defines who assumes the responsibilities of key personnel in their absence:

Key Personnel	Deputy
Michael DeCavallas Business Unit Manager	Elizabeth Winger President/Scope Leader
Terri Garcia Quality Assurance Manager	Jose Estrada Tiempos Quality Assurance Specialist
Ryan Parish Operations Manager	Michael DeCavallas Business Unit Manager
Terri Garcia Technical Manager	Ryan Parish Operations Manager
Jeanie Kang SVOC Department Manager	Ryan Parish Operations Manager
Sylvie Doan VOC Department Manager	Ryan Parish Operations Manager
Stephen Nowak EHS Manager	Roger Hoover EHS Coordinator
William Mitzel Sales Director	Sean Leffler Business Development Manager
Virendra Patel Customer Service Manager - Operations	Lori Thompson Customer Service Manager
Lori Thompson Customer Service Manager	Virendra Patel Customer Service Manager - Operations
Cynthia Jih Office Manager	Ashlie Soto Administrative Specialist

## 3) PERSONNEL

### 3.1) Overview

- A. The laboratory's management believes that its highly qualified and professional staff is the single most important aspect in assuring a high level of data quality and service and achieves the goals of competence, impartiality and consistent operation of the laboratory. The staff consists of professionals

and support personnel. The laboratory employs sufficient personnel with the necessary education, training, technical knowledge and experience for their assigned responsibilities.

- B. All personnel must demonstrate competence in the areas where they have responsibility. Any staff that is undergoing training shall have appropriate supervision until they have demonstrated their ability to independently perform their job functions. Staff shall be qualified for their tasks based on appropriate education, training, experience and/or demonstrated skills as required.
- C. All personnel are responsible for complying with all QA/QC requirements that pertain to the laboratory and their area of responsibility. Each staff member must have a combination of experience and education to adequately demonstrate a specific knowledge of their particular area of responsibility. Technical staff must also have a general knowledge of lab operations, test methods, QA/QC procedures and records management.
- D. Laboratory management is responsible for formulating goals for staff with respect to education, training, and skills and for ensuring that the laboratory has a policy and procedures for identifying training needs and providing training of personnel. The training shall be relevant to the present and anticipated responsibilities of the laboratory staff.
- E. The laboratory only uses personnel that are employed by or under contract to, the laboratory. Contracted personnel, when used, must meet competency standards of the laboratory and work in accordance to the laboratory's quality system.

### 3.2) Education and Experience Requirements for Technical Personnel

- A. The laboratory makes every effort to hire analytical staff that possesses a college degree (AA, BA, BS) in an applied science with some chemistry in the curriculum. Selection of qualified candidates for laboratory employment begins with documentation of the minimum levels of education, training, and experience needed to perform the prescribed tasks.

### 3.3) Training

- A. The laboratory is committed to furthering the professional and technical development of employees at all levels. Orientation to the laboratory's policies and procedures, in-house method training, and employee attendance at outside training courses and conferences all contribute toward employee proficiency.
- B. Eurofins trainings are achieved through a combination of in-person presentations, recorded/electronic presentations/courses managed through the Eurofins Learning Centre (ELC) platform, supervised on the job training, and SOP reading. All training is documented with employee acknowledgement of completion.
- C. New hire orientation and training begins the first week of employment. These initial sessions include overviews of the business, quality system policies and procedures, ethics and data integrity, resources, health and safety, and introduction of their job specific tasks.
- D. Comprehensive Environmental Health and Safety training and review of the *EHS Manual* must be completed prior to performance of work in the laboratories.
- E. Formal *Ethics and Data Integrity* and, where applicable, *Manual Integration* trainings are completed within the first 60 days of employment and include reading the associated policies and completing the assigned courses and presentations, in person and/or on-line.
- F. Initial Demonstration of Capability (IDOC) must be completed and approved prior to independent performance of analytical method testing. See Section 3.3.1.
- G. The following occur annually:
  - 1. *Ethics and Data Integrity Refresher* training - all employees.
  - 2. *Manual Integration Training* - applicable employees.
  - 3. *Ongoing Demonstration of Capability (ODOC)* - technical staff - see Section 3.3.2

H. The laboratory maintains records of relevant authorization/competence, education, professional qualifications, training, skills and experience of technical personnel, as well as the date that approval/authorization was given. These records are kept on file at the laboratory.

I. The training of technical staff is kept up to date by:

1. Each employee must have documentation in their training file that they have read, understood and agreed to follow the most recent version of the laboratory QA Manual and SOPs in their area of responsibility. This documentation is updated as SOPs are updated.
2. Documentation from any training courses or workshops on specific equipment, analytical techniques or other relevant topics.
3. Documentation of proficiency.
4. An Ethics Agreement signed by each staff member (renewed each year) and evidence of annual ethics training.
5. A Confidentiality Agreement signed by each staff member signed at the time of employment.
6. Human Resources maintains documentation and attestation forms on employment status and records; benefit programs; timekeeping/payroll; and employee conduct (e.g., ethics violations). This information is maintained in the employee's secured personnel file.

### **3.3.1) Initial Demonstration of Capability (IDOC)**

- A. An individual must successfully perform an IDOC prior to independently analyzing and reporting client samples, and any time there is a change in instrument type, method, or any time that a method has not been performed by the analyst in a twelve (12) month period.
- B. If the method or regulation does not specify an IDOC, it is the responsibility of the laboratory to document in their SOP what other approaches to the IDOC can be used.
- C. The laboratory SOP No. [27925](#) details the following:
  1. The preparation and analysis of 4 laboratory control samples (LCS), prepared at 1 to 4 times the limit of quantitation (LOQ).
  2. The evaluation criteria.
  3. Actions to be taken for IDOC failure.

### **3.3.2) Continuing Demonstration of Capability (CDOC)**

- A. The CDOC procedure is detailed in the laboratory SOP. This process must be completed annually for each employee for the tests that they are performing. If the method has not been performed by the analyst in a twelve (12) month period, an IDOC shall be performed.
- B. This on-going demonstration may be one of the following:
  1. Acceptable performance of a blind sample (single blind to the analyst) or successful analysis of a blind performance sample on a similar method using the same technology (e.g., GC/MS volatiles by purge and trap for Methods 524.2, 624 or 5030/8260).
  2. Another IDOC
  3. At least four (4) consecutive laboratory control samples with acceptable levels of precision and accuracy.
  4. For methods that do not lend themselves to spiking - documented process of observing the analyst performing the process and/or comparison of results between two analysts with documented

evaluation of the precision.

### 3.4) Ethics and Data Integrity Training

A. The laboratory's Ethics and Data Integrity Program is discussed in Section 5.2. Employees are trained as to the legal and environmental repercussions that result from data misrepresentation. Key topics covered in the presentation include:

1. Organizational mission and its relationship to the critical need for honesty and full disclosure in all analytical reporting and business practices.
  2. *Ethics and Data Integrity Policy* and the Eurofins Ethics Statement.
  3. Consequences for infractions including potential for immediate termination, debarment, or criminal prosecution.
  4. How and when to report ethical/data integrity issues.
  5. Confidential reporting.
  6. Record keeping.
  7. Discussion regarding data integrity procedures.
  8. Specific examples of breaches of ethical behavior (e.g. peak shaving, altering data or computer clocks, improper macros, etc., accepting/offering kickbacks, illegal accounting practices, unfair competition/collusion).
  9. Internal monitoring, investigations, and data recalls.
  10. Importance of proper written narration / data qualification by the analyst and project manager with respect to those cases where the data may still be of use to the client but have some method or project deficiencies.
- B. Additionally, an anonymous third party run hotline is available to all employees as a means of reporting ethics and/or data integrity issues or concerns.
1. Lighthouse Services hotline at [www.lighthouse-services.com/eurofinsus](http://www.lighthouse-services.com/eurofinsus).
  2. Via e-mail [reports@lighthouse-services.com](mailto:reports@lighthouse-services.com) (include company name).
  3. Or call 855-910-0005 (Spanish speaking 800-216-1288).

## 4) ACCOMODATIONS AND ENVIRONMENTAL CONDITIONS

### 4.1) Overview

- A. The laboratory is a secure laboratory facility with controlled access and designed to accommodate an efficient workflow and to provide a safe and comfortable work environment for employees. All visitors sign in and are escorted by laboratory personnel. Access is controlled by various measures.
- B. The laboratory is equipped with structural safety features. Each employee is familiar with the location, use, and capabilities of general and specialized safety features associated with their workplace. The laboratory provides and requires the use of protective equipment including safety glasses, protective clothing, gloves, etc., OSHA and other regulatory agency guidelines regarding required amounts of bench and fume hood space, lighting, ventilation (temperature and humidity controlled), access, and safety equipment are met or exceeded.
- C. Traffic flow through sample preparation and analysis areas is minimized to reduce the likelihood of contamination. Adequate floor space and bench top area is provided to allow unencumbered sample preparation and analysis space. Sufficient space is also provided for storage of reagents and media,

glassware, and portable equipment. Ample space is also provided for refrigerated sample storage before analysis and archival storage of samples after analysis. Laboratory HVAC and deionized water systems are designed to minimize potential trace contaminants.

D. The laboratory is separated into specific areas for sample receiving, sample preparation, volatile organic sample analysis, non-volatile organic sample analysis, inorganic sample analysis, and administrative functions.

#### 4.2) Environment

A. Laboratory accommodation, test areas, energy sources, and lighting are adequate to facilitate proper performance of tests. The facility is equipped with heating, ventilation, and air conditioning (HVAC) systems appropriate to the needs of environmental testing performed at this laboratory.

B. The environment in which these activities are undertaken does not invalidate the results or adversely affect the required accuracy of any measurements.

C. The laboratory provides for the effective monitoring, control and recording of environmental conditions that may affect the results of environmental tests as required by the relevant specifications, methods, and procedures. Such environmental conditions include temperature. When temperature changes to a point where it may adversely affect test results, analytical testing will be discontinued until the temperature is returned to the required level.

D. Environmental conditions of the facility housing the computer network and LIMS are regulated to protect against raw data loss.

E. When the laboratory performs laboratory activities at sites or facilities outside its permanent control, it shall ensure that the requirements related to facilities and environmental conditions of this document are met.

F. Specific requirements for facility and environmental conditions, as well as periodic monitoring of conditions, are given in the NDLS Document [NDSC-US-EHS-QP46060 Environmental Health & Safety Manual](#) plus each laboratory's Facility Addendum.

#### 4.3) Work Areas

A. There is effective separation between neighboring areas when the activities therein are incompatible with each other. For example, volatile organic chemical handling areas, including sample preparation and waste disposal, and volatile organic chemical analysis area.

B. Access to and use of all areas affecting the quality of analytical testing is defined and controlled by secure access to the laboratory building as described in the Building Security section of this manual.

C. Adequate measures are taken to ensure good housekeeping in the laboratory and to ensure that any contamination does not adversely affect data quality. These measures include regular cleaning to control dirt and dust within the laboratory. Work areas are available to ensure an unencumbered work area. Work areas include:

1. Access and entryways to the laboratory
2. Sample receipt areas
3. Sample storage areas
4. Chemical and waste storage areas
5. Data handling and storage areas
6. Sample processing areas
7. Sample analysis areas

#### 4.4) Responding to Emergencies

- A. Employees are trained in the procedures to respond to all emergencies that might occur in the workplace. Employees have been trained in the location and proper operation of all emergency equipment, evacuation routes and designated assembly areas for all areas where they work.
- B. Refer to the *NDSC-US-EHS-QP46060 EH&S Manual* and the laboratory's local EH&S addendum for complete details. The document provides direction for situations where normal operations of the laboratory are not possible (e.g., electrical failures, heating/air conditioning failures, fire/building evacuation, computer failures, hazardous material spills, injury to employees, pandemic flu, disruption of phone service, etc.).
- C. In the event that the building or information technology (IT) systems would be severely challenged, a designated disaster recovery team, which includes Facility Management, Safety, Executive Management, IT, QA and other applicable personnel, depending on the scope of the disaster, would assemble at a designated area to assess the situation and formulate a plan.

#### 4.5) Building Security

- A. The laboratory is considered a secure facility. All outside doors, except the main lobby entrance and sample receiving area, are locked during normal business hours to prevent unauthorized entry. Employees are issued a building access key card to access the facility.
- B. All visitors to the facility must sign in and out in a visitor's logbook that is located in the lobby. A visitor is defined as any person who visits the laboratory who is not an employee of the laboratory. Both visitors and vendors must review and sign specific EH&S forms; and are escorted by laboratory personnel at all times, or the location of the visitor is noted in the visitor's logbook.

### 5) QUALITY SYSTEM

#### 5.1) Quality Policy Statement

- A. The Quality Policy statement gives employees clear requirements for the production of analytical data. As an organization, all personnel are committed to high quality professional practice, testing and data, and service to our clients.
  - 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 customers' 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 Quality Assurance Manual 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.

#### 5.2) Ethics and Data Integrity

- A. The Eurofins Environment Testing group of companies is committed to ensuring the integrity of its data and meeting the quality needs of its clients. The laboratory operates our Ethics and Data Integrity program under the guidance of Eurofins Key Guidance Documents (KGD) and the Eurofins *NBLSC Ethics and Data Integrity Policy*.
- B. The elements of the Ethics and Data Integrity Program include:

1. *Ethics and Data Integrity Policy* and Eurofins Ethics and Quality Policy Statements.
2. A Training Program.
3. Self-governance through disciplinary action for violations.
4. A confidential mechanism for anonymously reporting alleged misconduct (see Section 4.2 of this manual) and a process for conducting internal investigations of all alleged misconduct.
5. Procedures and guidance for recalling data if necessary.
6. Effective external and internal monitoring system that includes procedures for internal audits (SOP No. *18249*).
7. Produce results, which are accurate and include QA/QC information that is method compliant and/or meets client pre-defined Data Quality Objectives (DQOs).
8. Present services in a confidential, honest and forthright manner.
9. Provide employees with guidelines and an understanding of the Ethical and Quality Standards of our Industry.
10. Provide procedures and guidance to ensure the impartiality and confidentiality of all data and customer information.
11. Operate our facilities in a manner that protects the environment and the health and safety of employees and the public.
12. Obey all pertinent federal, state and local laws and regulations and encourage other members of our industry to do the same.
13. Educate clients as to the extent and kinds of services available.
14. Assert competency only for work for which adequate personnel and equipment are available and for which adequate preparation has been made.
15. Promote the status of environmental laboratories, their employees, and the value of services rendered by them.

### 5.3) Quality System Documentation

- A. The BU's quality system is defined and communicated through a variety of documents. There is a hierarchy of documents within Eurofins and for the local BU.
- B. The top EET level documents are the NBLSC policies and procedures. These are written, approved, and released by the NBLSC QA team with input from NBLSC IT and EHS staff, where applicable. These documents provide procedures that can be used as guidance or a template for establishing local procedures or may be used directly as the local BU SOP by assigning the local staff to train on the NBLSC document. This level of document is written to address Environment US regulatory processes and requirements (i.e. ISO17025, TNI, DOE/DoD). Any individual state agency requirements are addressed locally.
- C. The local BU defines its quality system through its own policies and procedures which must at a minimum meet the guidance set forth in the NBLSC SOPs. The BU documents are established using the following structure/hierarchy:
  1. Quality Manual
  2. Laboratory Operational SOPs and policies.
    - a. Those that apply to the BU as a whole.



b. Those that apply to specific areas of the BU.

3. Laboratory Analytical SOPs - define method specific processes to be followed in the laboratory tests.

4. Forms and Instruction Sheets - e.g., checklists, preformatted bench sheets, job aids

D. All of the documents described here are controlled with defined versioning, review, and approval processes. The BU management and QA staff have the responsibility and authority to operate in compliance with regulatory requirements of the jurisdiction in which the work is performed.

#### 5.4) Quality Control (QC) Objectives for the Measurement of Data

- A. Quality Assurance (QA) is responsible for developing planned activities whose purpose is to provide assurance to all levels of management that a quality program is in place within the laboratory, and that it is functioning in an effective manner that is consistent with the requirements of NELAP, ISO 17025, DoD, and any other regulatory agencies (i.e., states) in which the laboratory maintains accreditation.
- B. Quality Control (QC) is generally understood to be limited to the analyses of samples and to be synonymous with the term "analytical quality control". QC refers to the routine application of statistically based procedures to evaluate and control the accuracy of results from analytical measurements. The QC program includes procedures for estimating and controlling precision and bias and for determining reporting limits.
- C. Request for Proposals (RFPs) and Quality Assurance Project Plans (QAPP) provide a mechanism for the client and the laboratory to discuss the data quality objectives in order to ensure that analytical services closely correspond to client needs. In order to ensure the ability of the laboratory to meet the Data Quality Objectives (DQOs) specified in the QAPP, clients are advised to allow time for the laboratory to review the QAPP before being finalized. The client is responsible for developing the QAPP; however, the laboratory will provide support to the client for developing the sections of the QAPP that concern laboratory activities.

#### 5.5) Criteria for Quality Indicators

- A. The laboratory maintains tables, housed in LIMS, that summarize the precision and accuracy acceptability limits for performed analyses. This summary includes an effective date, is updated each time new limits are generated, and are managed by the laboratory's QA department. Unless otherwise noted, limits within these tables are laboratory generated. Some acceptability limits are derived from US EPA methods or other referenced methods. Where US EPA method limits are not prescriptive, the laboratory has developed limits from evaluation of data from similar matrices. Criteria for development of control limits is contained in *Internal Quality Control Checks* (SOP No. 33613).

#### 5.6) Statistical Quality Control

- A. Statistically-derived precision and accuracy limits are required by selected methods (such as SW-846) and programs. The laboratory routinely utilizes statistically-derived limits to evaluate method performance and determine when corrective action is appropriate. The analysts use the current limits entered into LIMS. If a method defines the QC limits, the method limits are used.
- B. If a method requires the generation of historical limits, the lab develops such limits from recent data in the QC database of the LIMS following the guidelines described in Section 22. All calculations and limits are documented and dated when approved and effective. On occasion, a client requests contract-specified limits for a specific project.
- C. Current QC limits are entered and maintained in the LIMS analyte database. As sample results and the related QC are entered into LIMS, the sample QC values are compared with the limits in LIMS to determine if they are within the acceptable range. The analyst then evaluates if the sample needs to be reanalyzed or re-extracted/reanalyzed or if a comment should be added to the report explaining the reason for the QC outlier.

##### 5.6.1) Quality Control Charts

- A. QC Charting is available in LIMS for evaluation at any point by technical and/or QA staff. A LIMS program, QC Trending, applies a modified version of the "Western Electric Company Rules for Control Charts (WECO)" in an automatic scan of entered analytical data for Method Blanks, Laboratory Control

Sample and Matrix Spike Recoveries, and Continuing Calibration Verifications. The system allows daily monitoring of trending to allow quick intervention by the chemist or group leader prior to an analytical process becoming out of control. Notification emails are sent each morning.

### 5.7) Quality System Metrics

- A. In addition to the QC parameters discussed above, the entire Quality System is evaluated on a monthly basis through the use of specific metrics (refer to Section 16). These metrics are used to assess risk and to drive continuous improvement in the laboratory's Quality System. The metrics are reviewed by the BUMA and the QA Manager and shared with other management staff.

### 5.8) Management of Change

- A. The Management of Change process is designed to manage significant events and changes that occur within the laboratory. Through these procedures, the potential risks inherent with a new event or change are identified and evaluated. The risks are minimized or eliminated through pre-planning and the development of preventive measures.
- B. The types of changes covered under this system include (but is not limited to): Laboratory Relocation, Facility Changes, Major Accreditation Changes, Implementation of Method Updates or Program Changes (e.g., MUR, client QAPPs, Regulatory Updates), Addition or Deletion to Laboratory Capabilities or Instrumentation, Key Personnel Changes, Laboratory Information Management System (LIMS) changes.

## 6) DOCUMENT CONTROL

### 6.1) Overview

- A. The QA Department is responsible for the control of documents used in the laboratory to ensure that the approved current document revision is in circulation and obsolete documents are archived (original signed copy) and any obsolete hardcopies (other than the signed original) are destroyed. The laboratory's document control procedure is defined in SOP No. 18405.
- B. The following documents, at a minimum, must be controlled:
1. Laboratory Quality Assurance (QA) Manual
  2. Laboratory Policies
  3. Laboratory Standard Operating Procedures (SOP)
  4. Work Instructions, Forms, Tables, and Matrices
  5. NBLSC Documents
- C. The NBLSC documents are considered "controlled" when they are accessed as the electronic file on the documents site. Printed copies are considered uncontrolled unless the laboratory physically distributes them as controlled documents.
- D. The laboratory QA Department also maintains a listing of various references and document sources integral to the operation of the laboratory. This includes reference methods and regulations. Instrument manuals (hard or electronic copies) are also maintained by the laboratory.
- E. The laboratory maintains control of records for raw analytical data and supporting records such as audit reports and responses, logbooks, standard logs, training files, MDL studies, Proficiency Testing (PT) studies, certifications and related correspondence, and corrective action reports. Raw analytical data consists of bound logbooks, instrument printouts, any other notes, magnetic media, electronic data, and final reports.

### 6.2) Document Approval and Issuance

- A. The pertinent elements of the document control system includes a unique document number, title, pagination, the total number of pages of the item or an 'end of document' indicator, the effective date,

expiration date, and revision number. The QA personnel are responsible for the maintenance of this system.

- B. Controlled documents are authorized by the QA Department. In order to develop a new document, a responsible manager submits a draft to the QA Department for suggestions and approval before use. Upon approval, QA personnel add the identifying version information to the document and retains that document as the official document on file. That document is then provided to all applicable operational units. Controlled documents are identified as such and records of their distribution are kept by the QA Department. Document control may be achieved by either electronic or hardcopy distribution.
- C. The QA Department maintains a list of the official versions of controlled documents.
- D. Quality System Policies and Procedures will be reviewed at a minimum of every two years and revised as appropriate. Changes to documents occur when a procedural change warrants.

### 6.3) Procedures for Document Control

- A. For creation of or changes to SOPs and the QA manual, refer to laboratory SOP No. *18076, Document Preparation, Review, and Revision*.
- B. Uncontrolled copies must not be used within the laboratory. Controlled documents are marked as such, and posted to D4. Controlled distribution is achieved electronically. Controlled hardcopies must be obtained through the QA Department. Previous revisions and back-up data are stored on D4 by the QA department. Details of the numbering system, required format, and controlled distribution of documents are described in laboratory SOP No. *18405*. Editable copies are stored on a restricted access drive or accessed by designated personnel in D4.
- C. Forms, worksheets, work instructions, and information are organized by department by QA. Controlled electronic versions are distributed through the intranet or on D4 and hard copies can be printed out as needed. Editable copies are accessed by designated personnel in D4. All forms used in the laboratory are tracked in the controlled documents database which can be accessed by the QA department and the IT group. The procedure for the care of these documents is in laboratory SOP No. *18405*.

### 6.4) Obsolete Documents

- A. All invalid or obsolete documents are removed, or otherwise prevented from unintended use. The laboratory has specific procedures as described above to accomplish this. In general, obsolete documents are collected from employees according to distribution lists and are marked obsolete on the cover or destroyed. At least one copy of the obsolete document is archived according to SOP No. *18405*.
- B. All documents reside with the D4 document management system. Only the current version of a document is accessible by the general user. Once a revision is made to a document, the prior version is automatically marked as "Invalid" and redirects the user to the current version.
- C. If a document is no longer needed at all and is made "Obsolete" it is "deleted" from the current documents but archived within the system and automatically marked as such.
- D. All "obsolete" and prior versions of documents can be accessed by designated personnel under the advanced search function within the program.

## 7) SERVICE TO THE CLIENT

### 7.1) Overview

- A. The laboratory has established procedures for the review of work requests and contracts, oral or written. The procedures include evaluation of the laboratory's capability and resources to meet the contract's requirements within the requested time period. All requirements, including the methods to be used, must be adequately defined, documented and understood. For many environmental sampling and analysis programs, testing design is site or program specific and does not necessarily fit into a standard laboratory service or product. It is the laboratory's intent to provide both standard and customized environmental laboratory services to our clients.

- B. A thorough review of technical and QC requirements contained in contracts is performed to ensure project success. The appropriateness of requested methods, and the laboratory's capability to perform them must be established. Projects, proposals, and contracts are reviewed for adequately defined requirements and the laboratory's capability to meet those requirements. Alternate test methods that are capable of meeting the clients' requirements may be proposed by the laboratory. A review of the laboratory's capability to analyze non-routine analytes is also part of this review process.
- C. All projects, proposals and contracts are reviewed for the client's requirements in terms of analyte lists, test methodology requested, sensitivity (detection and reporting levels), accuracy, and precision requirements (% Recovery and RPD). The reviewer ensures that the laboratory's test methods are suitable to achieve these requirements and that the laboratory holds the appropriate certifications and approvals to perform the work. The laboratory and any potential subcontract laboratories must be certified, as required, for all proposed tests.
- D. Electronic or hard copy deliverable requirements are evaluated against the laboratory's capacity for production of the documentation.
- E. If the laboratory cannot provide all services but intends to subcontract such services, whether to another Eurofins business unit operating on the same LIMS or to an outside firm, this will be documented and discussed with the client prior to contract approval. (Refer to Section 8 for Subcontracting Procedures.)
- F. The laboratory informs the client of the results of the review if it indicates any potential conflict, deficiency, lack of accreditation, or inability of the laboratory to complete the work satisfactorily. Any discrepancy between the client's requirements and the laboratory's capability to meet those requirements is resolved in writing before acceptance of the contract. It is necessary that the contract be acceptable to both the laboratory and the client. Amendments initiated by the client and/or Eurofins Calscience are documented in writing.
- G. All contracts, QAPPs, Sampling and Analysis Plans (SAPs), contract amendments, and documented communications become part of the project record.
- H. The same review process used for the initial review of the project documents is repeated when there are amendments to the original document(s) by the client, and the participating personnel are informed of the changes.

## 7.2) Project Review

- A. Appropriate personnel will review the work request at each stage of evaluation.
- B. For routine projects and other simple tasks, a review by the Project Manager (PM) is considered adequate. The PM confirms that the laboratory has any required certifications, that it can meet the clients' data quality and reporting requirements and that the lab has the capacity to meet the clients' turn around needs. It is recommended that, where there is a sales person assigned to the account, an attempt should be made to contact that sales person to inform them of the incoming samples.
- C. For new, complex or large projects, the proposed contract is given to the Client Relationship Manager or Proposal Team, who will decide which lab will receive the work based on the scope of work and other requirements, including certification, testing methodology, and available capacity to perform the work. The contract review process is outlined below and supplemented by the [Contract Questionnaire Form 45183](#).
- D. This review encompasses all facets of the operation. The scope of work is distributed to the appropriate personnel, as needed based on scope of contract, to evaluate all of the requirements shown above (not necessarily in the order below):
  1. Contract Administrator
  2. Laboratory Project Manager (Pm)
  3. BUMA
  4. Laboratory Directors and/or Department Managers

5. Account Executive
6. QA Manager
7. Laboratory Environmental Health and Safety Manager

- E. The QA Manager performs an overall review to identify any quality systems concerns. Department Managers review the sections of the documents applicable to their assigned areas of the laboratory to identify any project specific requirements to be communicated to their staff and or any concerns with meeting the project requirements. Project specific requirements may be added as notes in the LIMS as part of the project set up. This is managed by the PM with input from the reviews.
- F. The BUMA/Laboratory Director reviews the formal laboratory quote and makes the final acceptance for their facility. The Sales Director, Contract Administrator, Account Executive or Proposal Coordinator then submits the final proposal to the client.
- G. In the event that one of the above personnel is not available to review the contract, his or her back-up will fulfill the review requirements.

### 7.2.1) Project Specific Quality Planning

- A. Communication of contract specific technical and QC criteria is an essential activity in ensuring the success of site specific testing programs. To achieve this goal, a PM is assigned to each client. It is the PM's responsibility to ensure that project-specific technical and QC requirements are effectively evaluated and communicated to the laboratory personnel before and during the project. QA department involvement may be needed to assist in the evaluation of custom QC requirements.
- B. PMs are the primary client contact and they ensure resources are available to meet project requirements, they coordinate opportunities and work with laboratory management and supervisory staff to ensure available resources are sufficient to perform work for the client's project.
- C. Prior to work on a new project, the dissemination of project information and/or project opening meetings may occur to discuss schedules and unique aspects of the project. Items to be discussed may include the project technical profile, turnaround times, holding times, methods, analyte lists, reporting limits, deliverables, sample hazards, or other special requirements. The PM introduces new project information to maximize production and client satisfaction, while maintaining quality. Project notes may be associated with each sample batch as requirements notifications upon sample receipt and during analytical processing.
- D. Any change that may occur within an active project is agreed upon between the client/regulatory agency and the PM/laboratory. These changes (e.g., use of a non-standard method or modification of a method) and approvals must be documented prior to implementation. Documentation pertains to any document (e.g., letter, e-mail, variance, contract addendum), which has been signed by both parties.
- E. Such changes are also communicated to the laboratory through method comments in TALS. The laboratory staff is then introduced to the modified requirements via the PM or the QA Specialist. After the modification is implemented into the laboratory process, documentation of the modification is made in the case narrative of the data report(s).

### 7.3) Balancing Laboratory Capacity and Workload

- A. Evaluating laboratory capacity to perform specific projects is the responsibility of the BUMA, Laboratory Directors and Department Managers, and the Client Services manager. Many analysts are cross-trained to perform a variety of tests, and there is redundant equipment available in case of malfunctions. This minimizes the need to evaluate small and medium size projects against capacity available to complete them. Large and complex projects are reviewed against capacity estimates before bids are submitted to ensure that the client's analysis schedule can be met. Regularly scheduled meetings are held between laboratory management, PMS, Client Services and QA personnel to review progress with current projects, as well as special requirements of new work scheduled for the laboratory. Laboratory capacity and backlog is tracked on a continuous basis using information from the Laboratory Information Management System (LIMS) including turnaround time, and work in-house.

#### 7.4) Project Contracts / Records

- A. The Administration Department maintains copies of all locally signed contracts. National Sales Teams is responsible for those large corporate agreements.
- B. Appropriate records are maintained for every contract or work request. All stages of the contract review process are documented and include records of any significant changes.
- C. The contract will be distributed to and maintained by the appropriate sales/marketing personnel and the Account Executive. Records are maintained of pertinent discussions with a client relating to the client's requirements or the results of the work during the period of execution of the contract.

#### 7.5) Special Services

- A. The laboratory cooperates with clients and their representatives to monitor the laboratory's performance in relation to work performed for the client. It is the laboratory's goal to meet all client requirements in addition to statutory and regulatory requirements. The laboratory has procedures to ensure confidentiality to clients.
- B. The laboratory's standard procedures for reporting data are described in Section 23. Special services are also available and provided upon request. These services include:
  - 1. Reasonable access for our clients or their representatives to the relevant areas of the laboratory for the witnessing of tests performed for the client.
  - 2. Assisting client-specified third party data validators as specified in the client's contract.
  - 3. Supplemental information pertaining to the analysis of their samples. Note: An additional charge may apply for additional data/information that was not requested prior to the time of sample analysis or previously agreed upon.

#### 7.6) Client Communication

- A. PMs are the primary communication link with the clients. They shall inform their clients of any delays in project completion as well as any nonconformances in either sample receipt or sample analysis. Project management will maintain ongoing client communication throughout the entire client project.
- B. QA is available to discuss any technical questions or concerns the client may have.

#### 7.7) Reporting

- A. The laboratory works with our clients to produce any special communication reports required by the contract.

#### 7.8) Client Feedback and Surveys

- A. The laboratory assesses both positive and negative client feedback and tracks the business's Net Promoter Score (NPS). The results are used to improve overall laboratory quality and client service. The NPS measures the customer experience from a specific business unit on a scale of 0 - 10. The results of that range are put into three categories: detractors (0-6), passives (7, 8) and promoters (9, 10). To calculate the Net Promoter Score, the # of detractors is subtracted from the # of promoters to get the score which will be on a scale of -100 to 100.
- B. Surveys are sent, using an electronic interface, every 2 weeks to only those that received a report in the 2 weeks prior. This allows us to gather more real-time data. Responses by the laboratory management and/or PM to detractors is required. It is also required to be tracked within the system.
- C. When a complaint is received, we determine, to the best of our ability, the extent of the issue and what data is in question. The person receiving the complaint documents this information and promptly forwards it to the appropriate management personnel where the work in question was performed. If a data reporting error is discovered, the final report and/or data must be regenerated with the correct value(s).

- D. The QA Manager is responsible for entering client concerns into D4. While an individual issue may not warrant a formal investigation, QA monitors these concerns for potential trends and will initiate an Investigation when a trend is evident. In other cases, based on the severity of the issue or upon client request, a formal Investigation is initiated for a single concern. Formal Investigation is used to document the situation and determine root cause(s) and corrective action(s).

### 7.9) Client Confidentiality

- A. The laboratory ensures the highest standards of quality and integrity of the data and services provided to our clients.
- B. The laboratory is responsible for maintaining in confidence all client information obtained or created. In situations involving the transmission of environmental test results by telephone, facsimile or other electronic means, client confidentiality must be maintained.
- C. The laboratory will not intentionally divulge to any person (other than the client or any other person designated by the client in writing) any information regarding the services provided by the laboratory or any information disclosed to the laboratory by the client. Furthermore, information known to be potentially endangering to national security or an entity's proprietary rights will not be released.
- D. Information about the client obtained from sources other than the client (e.g., complainant, regulator) shall be confidential between client and the laboratory. The source of this information shall be confidential to the laboratory and shall not be shared with the client, unless agreed by the source.
- E. **Note:** This shall not apply to the extent that the information is required to be disclosed by the laboratory under the compulsion of legal process. The laboratory will, to the extent feasible, provide reasonable notice to the client before disclosing the information.
- F. **Note:** Authorized representatives of an accrediting authority are permitted to make copies of any analyses or records relevant to the accreditation process, and copies may be removed from the laboratory for purposes of assessment.

## 8) SUBCONTRACTING

### 8.1) Overview

- A. The laboratory may subcontract tests to other laboratories outside of Eurofins if the requested testing is not routinely performed in our laboratory. To a lesser extent, samples may need to be subcontracted to an overflow laboratory to ensure hold times and/or turn-around-times (TAT) are met.
- B. Testing is only subcontracted with the client's knowledge and approval. Calscience must notify the client in writing when any of their requested analyses will be subcontracted to another lab. Client approval must be obtained in writing before samples are shipped.
- C. Subcontract laboratories are selected based on their qualifications and accreditations. Only an appropriately accredited laboratory will be used. The client may also have a list of laboratories to be used for subcontracting. In these cases, the evaluation of the subcontract laboratory is made by the client.
- D. Data obtained from subcontract laboratories is clearly marked as such when reported by the laboratory. The data from non-Eurofins laboratories or from Eurofins laboratories not using the "TALS LIMS" are submitted to the client in the format obtained from the subcontractor.
- E. For the purpose of this quality manual, the phrase subcontract laboratory refers to a laboratory external to the Eurofins Environment Testing laboratories. The phrase "work share" refers to internal transfers of samples between the Eurofins Environment Testing laboratories.
- F. When contracting with our clients, the laboratory makes commitments regarding the services to be performed and the data quality for the results to be generated. When the need arises to outsource testing for our clients because project scope, changes in laboratory capabilities, capacity, or unforeseen circumstances, we must be assured that the subcontractors or work sharing laboratories understand the

requirements and will meet the same commitments we have made to the client. Refer to the NBLSC Subcontracting SOP No. [NDSC-US-SUB-SOP44936](#).

- G. When outsourcing analytical services, the laboratory will assure, to the extent necessary, that the subcontract or work sharing laboratory maintains a program consistent with the requirements of this document, the requirements specified in TNI/ISO 17025 and/or the client's Quality Assurance Project Plan (QAPP). All QC guidelines specific to the client's analytical program are transmitted to the subcontractor and agreed upon before sending the samples to the subcontract facility. Additionally, work requiring accreditation will be placed with an appropriately accredited laboratory. The laboratory performing the subcontracted work will be identified in the final report, as will non-TNI accredited work where required.
- H. PMs or other responsible Client Service members, for the Export Lab (i.e., Eurofins Calscience, that transfers samples to another laboratory) are responsible for obtaining client approval prior to subcontracting any samples. The laboratory will advise the client of a subcontract arrangement in writing and when possible, approval from the client shall be obtained and retained in the project folder. Standard Eurofins Calscience Terms & Conditions include the flexibility to subcontract samples within the Eurofins Environment Testing Laboratories. Therefore, additional advance notification to clients for intra-laboratory subcontracting is not necessary unless specifically required by a client contract.
- I. **Note:** In addition to the client, some regulating agencies (e.g., USDA) or contracts (e.g., DoD and DOE projects) require notification prior to placing such work.

## 8.2) Qualifying and Monitoring Subcontractors

- A. Whenever a PM or Account Executive (AE) becomes aware of a client requirement or laboratory need where samples must be outsourced to another laboratory, the other laboratory(s) shall be selected based on the following:
1. Subcontractors specified by the client:
    - a. In these circumstances, the client assumes responsibility for the quality of the data generated from the use of a subcontractor.
  2. Subcontractors reviewed by Eurofins Calscience:
    1. Firms which have been reviewed by the company and are known to meet standards for accreditations (e.g., State, TNI and DoD/DOE).
    2. Technical specifications.
    3. Legal and financial information.
- B. A listing of subcontractors is available in D4 [PM-LI70655](#).
- C. All Eurofins Environment Testing America laboratories are pre-qualified for work sharing provided they hold the appropriate accreditations and can adhere to the project/program requirements. Client approval is not necessary unless specifically required by the contract. In these cases, the client must provide acknowledgement that the samples can be sent to that facility (an e-mail is sufficient documentation or if acknowledgement is verbal, the date, time, and name of person providing acknowledgement must be documented). The originating laboratory is responsible for communicating all technical, quality, and deliverable requirements as well as other contract needs.
1. When the potential subcontract laboratory has not been previously approved, Account Executives or PMs may nominate a laboratory as a subcontractor based on need. The decision to nominate a laboratory must be approved by the Sales Director or BUMA and requests that the QA Manager or PM begin the process of approving the subcontract laboratory. Refer to the D4 NBLSC document Subcontracting SOP No. [NDSC-US-SUB-SOP44936](#) for process details.
  2. Once the appropriate accreditation and legal information is received by the laboratory, it is evaluated for acceptability and forwarded to the NBLSC Quality Information Manager (QIM) for review. After the NBLSC QIM reviews the documents for completeness, the subcontract agreement is forwarded to the



BU's Scope President for formal signature and contracting with the laboratory. The approved company will be added to the approved subcontractor list on the intranet site, and the finance group is concurrently notified. A copy of the signed subcontract agreement is forwarded to the subcontractor.

3. The client will assume responsibility for the quality of the data generated from the use of a subcontractor they have requested the lab to use. The qualified subcontractors on the intranet site are known to meet minimal standards. Eurofins Calscience does not certify laboratories. Eurofins list of subcontractors can only be recommended to the extent that we would use them.

### 8.3) Oversight and Reporting

- A. The status and performance of qualified subcontractors will be monitored by local BUs and includes an annual evaluation survey conducted by the NBLSC-QIM. Any problems identified will be brought to the attention of local BU management, the legal department and the finance department.
  1. Complaints shall be investigated. Documentation of the complaint, investigation, and corrective action will be maintained in the subcontractor's file on the intranet site. Complaints are posted using the corrective action mechanism employed at each laboratory.
  2. Information shall be updated on the intranet when new information is received from the subcontracted laboratories.
  3. Subcontractors in good standing will be retained on the intranet listing. Client Service personnel will notify all Eurofins Environmental Testing laboratories, NBLSC-QA, the legal department and finance department if any laboratory requires removal from the intranet site. This notification will be posted on the intranet site and e-mailed to all Client Service Personnel, Laboratory Directors, QA Managers, and Sales Personnel.
- B. Prior to initially sending samples to the subcontracted laboratory, the PM confirms their certification status to determine if it's current and scope inclusive. The information is documented within the project records.
- C. The laboratory's certifications can be viewed on the company's website at <https://www.eurofinsus.com/environment-testing/resources/certifications/>.
  1. All subcontracted samples must be accompanied by a Eurofins Calscience Chain of Custody (COC). A copy of the original COC sent by the client must be available in LIMS for all samples work shared within Eurofins Calscience. Client COCs are only forwarded to external subcontractors when samples are shipped directly from the project site to the subcontractor lab. Under routine circumstances, to maintain client confidentiality, original client COCs are not provided to external subcontractors.
  2. Through communication with the subcontracted laboratory, the PM monitors the status of the subcontracted analyses, facilitates successful execution of the work, and ensures the timeliness and completeness of the analytical report.
  3. All accredited and non-accredited work must be identified in the subcontractor's report.
  4. Reports submitted from subcontractor laboratories are not altered and are included in their original form in the final project report. This clearly identifies the data as being produced by a subcontractor facility. If subcontract laboratory data is incorporated into the laboratory's EDD (i.e., imported), the report must explicitly indicate which lab produced the data for which methods and samples.
  5. **Note:** The results submitted by a Eurofins Calscience work sharing laboratory may be transferred electronically and the results reported by the Eurofins Calscience work sharing lab are identified on the final report. The report must explicitly indicate which lab produced the data for which methods and samples. The final report must include a copy of the completed COC for all work sharing reports.

### 8.4) Contingency Planning

- A. The full qualification of a subcontractor may be waived to meet emergency needs. This decision and justification must be documented in the project files, and the 'Purchase Order Terms And Conditions For

Subcontracted Laboratory Services' must be sent with the samples and COC.

- B. In the event this provision is utilized, the laboratory (e.g., PM) will be required to verify and document the applicable accreditations of the subcontractor. All other quality and accreditation requirements will still be applicable, but the subcontractor need not have signed a subcontract agreement with Eurofins Calscience at this time.
- C. The use of any emergency subcontractor will require the PM to complete a New Supplier Information Request Form in order to process payment to the subcontractor and add them to LIMS. This form requires the user to define the subcontractor's category/s of testing and the reason for testing.

## 9) PURCHASING SERVICES AND SUPPLIES

### 9.1) Overview

#### A. Supplier Evaluation

1. Procedures are in place to evaluate vendors who supply us with: new equipment, instrumentation, computerized systems and computer software; commercially purchased glassware, including sample bottleware, reagents, chemicals, solvents, gases, media, and standards; and contracted and subcontracted services.
2. The laboratory strives to ensure that our suppliers continually improve their quality systems and we reserve the right to purchase from suppliers of our choice in order to best fulfill the needs of our clients and our business. When directed by a client to purchase from a specific supplier, we will do so. In this instance it is the client's responsibility to "qualify" the specified supplier. We attempt to purchase from businesses that we have an established purchase history or have previously acquired information regarding the supplier's quality programs.
3. An approved vendor list is maintained by the laboratory for critical consumables (reagents and standards), and PT services.
4. Evaluations are not required for computer operating systems, utilities, toolsets, or systems software. They also are not required for any off-the-shelf configurable software package that has an extensive market performance history (e.g., Microsoft Word, Excel, Access).

#### B. Procurement

1. It is the responsibility of management personnel within each department to ensure that the appropriate supplies are available and/or ordered with sufficient lead-time to perform analytical testing or to provide support to the testing areas. The individual technical departments have trained personnel who enter the supply order into the company's purchasing system. The selection of these products is based on technical input at the analyst level and authorized by technical departmental management. The Purchasing Department maintains an ordering system in which purchase requisitions are managed. Common laboratory items (e.g., beakers, flasks, reagents) are ordered directly through the purchasing system. Purchase orders over a specified dollar amount require approval from the appropriate member(s) of the Executive Management Group before an order can be placed.
2. Upon receipt of an order, the recipient checks the order to ensure that all items were received as specified. Products that have specific storage requirements are taken to the technical area upon receipt. It is the technical area's responsibility to ensure that the product is stored in the appropriate manner. Any checks on the quality of the materials received for use in a specific test are the responsibility of the laboratory using them. This is based upon the experience of the laboratory with the usability of the product. Generally, each test has controls in place to ensure that test results are not adversely affected by the materials.

### 9.2) Glassware

- A. Glassware used for volumetric measurements must be Class A or verified for accuracy according to laboratory procedure. Pyrex (or equivalent) glass should be used where possible.

### 9.3) Purchasing

A. Chemical reagents, solvents, glassware, and general supplies are ordered as needed to maintain sufficient quantities on hand. Materials used in the analytical process must be of a known quality. The wide variety of materials and reagents available makes it advisable to specify recommendations for the name, brand, and grade of materials to be used in any determination. This information is contained in the analytical method SOP.

#### 9.3.1) Receiving

A. It is the responsibility of the purchasing manager to receive the shipment. It is the responsibility of the analyst who ordered the materials to document the date materials were received. Once the ordered reagents or materials are received, the analyst compares the information on the label or packaging to the original order to ensure that the purchase meets the quality level specified. This is documented through the addition of the received date and initials to the information present on the daily order log.

B. The purchasing manager verifies the lot numbers as received solvents and acids against the pre-approval lists. If a received material is listed as unapproved, or is not listed, it is sequestered and returned to the vendor. Alternatively, the laboratory may test the material for the intended use.

C. Materials may not be released for use in the laboratory until they have been inspected, verified as suitable for use, and the inspection/verification has been documented.

D. Safety Data Sheets (SDSs) are available online through a link on the Eurofins EET-Net Sharepoint site at: <https://testamerica365.sharepoint.com/sites/EETAIntranet/SitePages/Environment,-Health-and-Safety.aspx>

E. Anyone may review these for relevant information on the safe handling and emergency precautions of on-site chemicals.

#### 9.3.2) Specifications

A. Methods used in the laboratory specify the grade of reagent that must be used in the procedure. If the quality of the reagent is not specified, analytical reagent grade will be used. It is the responsibility of the analyst to check the procedure carefully for the suitability of grade of reagent.

B. Chemicals are assigned expiration from the manufacturer's expiration date and must not be used past any expiration period noted in a method SOP. If expiration dates are not provided, the laboratory may contact the manufacturer to determine an expiration date. The laboratory assumes a five year expiration date on inorganic dry chemicals and solvents unless noted otherwise by the manufacturer or by the reference source method.

C. Chemicals/solvents should not be used past the manufacturer's or SOP expiration date unless verified as outlined below.

1. An expiration date cannot be extended if the dry chemical/solvent is discolored or appears otherwise physically degraded. In this case, the dry chemical/solvent must be discarded.

2. Expiration dates can be extended if the dry chemical/solvent is found to be satisfactory based on acceptable performance of quality control samples (Continuing Calibration Verification (CCV), Blanks, Laboratory Control Sample (LCS), etc.).

3. If the dry chemical/solvent is used for the preparation of standards, the expiration dates can be extended 6 months if the dry chemical/solvent is compared to an unexpired independent source in performing the method and the performance of the dry chemical/solvent is found to be satisfactory. The comparison must show that the dry chemical/solvent meets CCV limits. The comparison studies are maintained on-file and available for review.

D. Wherever possible, standards must be traceable to national or international standards of measurement or to national or international reference materials. Records to that effect are available to the user.

- E. Compressed gases in use are checked for pressure and secure positioning daily. To prevent a tank from going to dryness, or introducing potential impurities, the pressure should be closely watched as it decreases to approximately 15% of the original reading, at which point it should be replaced. The quality of the gases must meet method or manufacturer specification or be of a grade that does not cause any analytical interference.
- F. Water used in the preparation of samples, standards or reagents must have a specific conductivity of less than 1- $\mu$ mho/cm (or specific resistivity of greater than 1.0 megohm-cm) at 25°C. The specific conductivity is checked and recorded daily. If the water's specific conductivity is greater than the specified limit, the Facility Manager and appropriate Technical Managers must be notified immediately in order to notify all departments, decide on cessation (based on intended use) of activities, and make arrangements for correction.
- G. Purchased bottleware used for sampling must be certified clean and the certificates must be maintained.

### 9.3.3) Storage

- A. Reagent and chemical storage is important from the aspects of both integrity and safety. Light-sensitive reagents may be stored in brown glass containers. Storage conditions are per the NBLSC Environmental Health & Safety Manual, Document No. *NDSC-US-EHS-QP46060*, the local laboratory EH&S manual addendum and method SOPs or manufacturer instructions.

### 9.4) Purchase of Equipment / Instruments / Software

- A. When a new piece of equipment is needed, either for additional capacity or for replacing inoperable equipment, the analyst or supervisor makes a supply request to the Operations Manager or BUMA. A decision is made as to which piece of equipment can best satisfy the requirements. The appropriate written requests are completed.
- B. Upon receipt of a new or used piece of equipment, an identification name is assigned and added to the equipment list. IT must also be notified so that they can synchronize the instrument for back-ups. Its capability is assessed to determine if it is adequate or not for the specific application. For instruments, a calibration curve is generated, followed by MDLs, Demonstration of Capabilities (DOCs), and other relevant criteria (refer to Section 18). For software, its operation must be deemed reliable and evidence of instrument verification must be retained by the IT Department or QA Department. Software certificates supplied by the vendors are filed with the LIMS Administrator. The manufacturer's operation manual is retained by local IT.

### 9.5) Service

- A. Service to analytical instruments (except analytical balances) is performed on an as needed basis. Routine preventative maintenance is discussed in Section 18.2. The need for service is determined by analysts and/or Technical Managers. The service providers that perform the services are approved by the Technical Manager.
- B. Analytical balances are serviced and calibrated annually. The calibration and maintenance services are performed on-site, and the balances are returned to use immediately following successful calibration. Calibration certificates are filed for reference. If the calibration was unsuccessful, the balance is immediately removed from service and segregated pending either further maintenance or disposal.
- C. Calibration services for support equipment such as the balances, thermometers, weight sets, autopipettors, etc., are obtained from vendors with current and valid ISO 17025 accreditation for calibration of the specific piece of equipment. Prior to utilizing the vendor's services, the vendor's accreditation status is verified. Once the equipment has been calibrated, the calibration certificates are reviewed by the QA department, and documentation of the review is filed with the calibration certificates. The equipment is then returned to service in the laboratory.

### 9.6) Suppliers

- A. Eurofins adds vendors as options for use in the Purchasing program through a competitive proposal / bid process, strategic business alliances or negotiated vendor partnerships (contracts).
- B. The level of control used in the selection process is dependent on the anticipated spending amount and the potential impact on the laboratory's business. Vendors that provide test and measuring equipment,

solvents, standards, certified containers, instrument related service contracts or subcontract laboratory services shall be subject to more rigorous controls than vendors that provide off-the-shelf items of defined quality that meet the end use requirements.

- C. Evaluation of suppliers is accomplished by ensuring the supplier ships the product or material ordered and that the material is of the appropriate quality. Calscience has an in house purchasing agent who evaluates our supply room inventory to ensure it remains stocked, places orders, and follows receipt of orders to ensure shipments are received and are accurate.
- D. Proficiency testing providers and suppliers of certified reference materials must have appropriate ISO accreditation.

## 10) COMPLAINTS

### 10.1) Overview

- A. The laboratory considers an effective client complaint handling process to be of significant business and strategic value. Listening to and documenting client concerns captures client knowledge that enables our operations to continually improve processes and client satisfaction. An effective client complaint handling process also provides assurance to the data user that the laboratory will stand behind its data, service obligations, and products.
- B. A client complaint is any expression of dissatisfaction with any aspect of our business services (e.g., communications, responsiveness, data, reports, invoicing and other functions) expressed by any party, whether received verbally or in written form. Client inquiries, complaints, or noted discrepancies are documented, communicated to management, and addressed promptly and thoroughly. These must also be communicated to QA for trending and/or formal investigation.
- C. The laboratory has procedures for addressing complaints with the goal of providing satisfactory resolution in a timely and professional manner.
- D. The nature of the complaint is identified, documented and investigated, and an appropriate action is determined and taken. In cases where a client complaint indicates that an established policy or procedure was not followed, the QA Department must evaluate whether a special audit must be conducted to assist in resolving the issue. A written confirmation or letter to the client, outlining the issue and response taken is recommended as part of the overall action taken. This may be handled by the PM following-up with the client on the resolution. If a client requires a letter detailing the investigation and actions, the letter is written by QA.
- E. The process of complaint resolution and documentation utilizes the procedures outlined in Section 12, Corrective Actions.

### 10.2) Complaint Processing

- A. An employee that receives a complaint initiates the complaint resolution process by first documenting the complaint in an Internal Nonconformance Memo (NCM) in TALS as outlined in Section 12.
- B. Complaints fall into two categories: correctable and non-correctable. An example of a correctable complaint would be one where a report re-issue would resolve the complaint. An example of a non-correctable complaint would be one where a client complains that their data was repeatedly late. Non-correctable complaints should be reviewed for preventive action measures to reduce the likelihood of future occurrence and mitigation of client impact.
- C. The general steps in the complaint handling process are:
  - 1. Receiving and documenting complaints.
  - 2. Acknowledging receipt of complaint, whenever possible.
  - 3. Complaint investigation and service recovery.

#### 4. Process improvement.

- D. Complaints need to be communicated to QA to allow for initiation of investigations and for trending purposes. Full root cause investigation with corrective actions are required when requested by the client, for issues that involve a change to a reported analytical result, and where an adverse trend in the type of issue has been seen. These investigations must be documented in the corrective action database.
- E. The laboratory shall inform the initiator of the complaint of the results of the investigation and the corrective action(s) taken, if any.

## 11) CONTROL AND NONCONFORMING WORK

### 11.1) Overview

- A. When data discrepancies are discovered or deviations and departures from laboratory SOPs, policies and/or client requests have occurred, corrective action is taken immediately. First, the laboratory evaluates the significance of the nonconforming work. Then, a corrective action plan is initiated based on the outcome of the evaluation. If it is determined that the nonconforming work is an isolated incident, the plan could be as simple as adding a qualifier to the final results and/or making a notation in the case narrative. If it is determined that the nonconforming work is a systematic or improper practices issue, the corrective action plan could include a more in depth investigation and a possible suspension of an analytical method. In all cases, the actions taken are documented using the laboratory's corrective action system (refer to Section 12).
- B. Due to the frequently unique nature of environmental samples, sometimes departures from documented policies and procedures are needed. These situations are documented in the corrective action database as Planned Deviations. When an analyst encounters such a situation, the problem is presented to the supervisor for resolution. The supervisor may elect to discuss it with the Technical Manager or have a representative contact the client to decide on a logical course of action. Once an approach is agreed upon, the analyst documents it using the laboratory's corrective action system described in Section 12. This information can then be supplied to the client in the form of a case narrative with the report.
- C. Project Management may encounter situations where a client may request that a special procedure be applied to a sample that is not standard laboratory practice. Based on a technical evaluation, the laboratory may accept or opt to reject the request based on technical or ethical merit. An example might be the request to filter a sample before analysis of a test where filtering is not part of the method preparation. The laboratory would not have validated the method with this step as part of the sample preparation. Such a request would need to be approved by the Technical Manager and QA Manager, documented and included in the project folder. Deviations must also be noted on the final report with a narrative that the filtering of the sample during preparation is not in compliance with the analytical method requirements and the reason.

### 11.2) Responsibilities and Authorities

- A. Under certain circumstances, the BUMA, Department Manager, or a member of the QA team may authorize departures from documented procedures or policies. The departures may be a result of procedural changes due to the nature of the sample; a one-time procedure for a client; QC failures with insufficient sample to reanalyze, etc. In most cases, the client will be informed of the departure prior to the reporting of the data. Any departures must be well documented using the laboratory's corrective action procedures. This information may also be documented in logbooks and/or data review checklists as appropriate. Any associated data must be referenced in a case narrative and/or flagged with an appropriate data qualifier.
- B. Any misrepresentation or possible misrepresentation of analytical data discovered by any laboratory staff member must be reported to the laboratory Senior Management within 24-hours. The Senior Management staff is comprised of the BUMA, the QA Manager, the Department Managers, and the Operations Manager. The reporting of issues involving alleged violations of the company's *Ethics and Data Integrity Policy* or *Manual Integration* procedures must be conveyed to an ECO (e.g., the VP-QA/EHS) and the laboratory's Quality Director within 24 hours of discovery.
- C. Whether an inaccurate analytical result was reported due to calculation or quantitation errors, data entry errors, improper practices, or failure to follow SOPs, the data must be evaluated to determine the

possible effect and include full root cause investigation and corrective action(s).

- D. All laboratory personnel are responsible for taking appropriate action when nonconforming work is identified. BUMA, QA Manager, ECOs, VP-QA/EHS, and the Quality Directors have the authority and responsibility to halt work, withhold final reports, or suspend an analysis for due cause as well as authorize the resumption of work once the investigation has been completed, root cause(s) determined and corrective action(s) implemented.

### 11.3) Evaluation of Significance and Actions Taken

- A. For each nonconforming issue reported, an evaluation of its significance and the level of management involvement needed is made. This includes reviewing its effect on the final data, whether or not it is an isolated or a systematic issue, potential for recurrence and actions for prevention, and how it relates to any special client or program requirements.
- B. 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 confirm to its own procedures or the agreed requirements of the customer. The policy of the laboratory is that nonconforming work must be addressed as defined below so that the needs of the customer are met. Examples of places non-confirming 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.
- C. The responsibilities and for the management of nonconforming work include all laboratory personnel responsible for taking appropriate action when nonconforming work is identified, including notification of the BUMA if needed. All personnel may stop work when nonconforming work is identified, but the Group Leader, Operations Manager, BUMA, QA Representative, or QA Manager must be notified of a stoppage as soon as is feasible. The BUMA, QA Manager, Operations Manager are authorized to recall work or withhold analytical reports if necessary.
- D. 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. 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 12.
- E. Where necessary, the customer is notified and work is recalled. The responsibility for authorizing the resumption of work is given by the BUMA in consultation with the QA manager following the review of root cause(s) and corrective action.
- F. 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 Section 12.3 shall be promptly followed.

### 11.4) Method Suspension / Restriction (Stop Work Procedures)

- A. In some cases, it may be necessary to suspend/restrict the use of a method or target analyte which constitutes significant risk and/or liability to the laboratory. Suspension/restriction procedures can be initiated by designated persons as noted in Section 11.2.
- B. Prior to suspension/restriction, confidentiality will be respected, and the problem with the required corrective and preventative action(s) will be stated in writing and presented to the BUMA.
- C. The BUMA shall arrange for the appropriate personnel to meet with the QA Manager as needed. This meeting shall be held to confirm that there is a problem, that suspension/restriction of the method is required and will be concluded with a discussion of the steps necessary to bring the method/target or test fully back on line. In some cases, that may not be necessary if all appropriate personnel have already agreed there is a problem and there is agreement on the steps needed to bring the method, target or test fully back on line. The QA Manager will initiate a corrective action report as described in Section 12 if one has not already been started. A copy of any meeting notes and agreed upon steps should be e-mailed by the laboratory to their Business Unit President and the VP-QA/EHS. This e-mail serves as notification of the incident.

- D. After suspension/restriction, the laboratory will hold all reports to clients pending review. No faxing, mailing, or distributing through electronic means may occur. The report must not be posted for viewing on the internet. It is the responsibility of the BUMA to hold all reporting and to notify all relevant laboratory personnel regarding the suspension/restriction (e.g., Project Management, Log-in, etc.). Clients, generally, will NOT be notified at this time. Analysis may proceed in some instances depending on the nonconformance issue.
- E. Within 72 hours, the QA Manager will determine if the issue has been addressed and compliance is now met and reports can be released, OR determine the plan of action with timeline to bring work into compliance, and release work. A team, with all principals involved (e.g., BUMA, QA Manager) can devise a start-up plan to cover all steps from client notification through compliance and release of reports. Project Management, Client Services Managers, and Sales and must be notified if clients must be notified or if the suspension/restriction affects the laboratory's ability to accept work.
- F. The QA Manager must approve resumption of work or elimination of any restrictions after the investigation is complete with root cause(s) determined and corrective action(s) implemented.

## 12) CORRECTIVE ACTION

### 12.1) Overview

- A. A major component of the laboratory's QA Program is the problem investigation and feedback mechanism designed to keep the laboratory staff informed on quality related issues and to provide insight to problem resolution. When nonconforming work or departures from policies and procedures in the quality system or technical operations are identified, the corrective action procedure provides a systematic approach to assess the issues, restore the laboratory's system integrity, and prevent recurrence.
- B. The laboratory employs two systems to manage nonconformances. Issues suspected of being systematic in nature and for which full investigation with root cause analysis and a formal Corrective Action Report (CAR) required are documented in the laboratory's CAR database. Routine batch nonconformances, events that are understood to be isolated in nature, are documented using the LIMS nonconformance memo (NCM) system.

### 12.2) General Processes

- A. Problems within the quality system or within analytical operations may be discovered in a variety of ways, such as QC sample failures, internal or external audits, proficiency testing (PT) performance, client complaints, staff observation, etc.
- B. The purpose of a corrective action system is to:
1. Identify nonconformance events and assign responsibility for investigating.
  2. Resolve nonconformance events and assign responsibility for any required corrective action.
  3. Identify systematic problems before they become serious.
  4. Identify and track client complaints and provide resolution.
- C. Nonconformance Memos (NCMs) are used to document the following types of corrections / corrective actions:
1. Deviations from an established procedure or SOP.
  2. QC outside of limits.
  3. Isolated reporting / calculation errors.
  4. Client complaints (minor, isolated issues).



5. Discrepancies in materials / goods received vs manufacturer packing slips (documentation other than NCMs in LIMS are also acceptable).

#### D. Investigations and Corrective Actions Documented in the CAR Database

1. Internal and external audit findings.
  2. Failed or unacceptable PT results.
  3. Identified poor process or method performance trends.
  4. Systematic reporting / calculation errors.
  5. Analytical Result Changes.
  6. Data recall investigations.
  7. Questionable trends that are found in the review of NCMs.
  8. Client complaints (major issues; client requested full investigation).
  9. Excessive revised reports.
- E. The CAR database is used to document background information, assigned tasks with the responsible staff, timelines, results of corrective action investigations and root cause analysis, details of the planned corrective action(s), and follow-up.

### 12.3) Corrective Action Process Steps

- A. Any employee in the company can initiate a corrective action. There are four main components to a corrective action process once an issue has been identified: Cause Analysis, Selection and Implementation of Corrective Actions (both short and long term), Monitoring of the Corrective Actions, and Follow-up.
- B. Cause Analysis
1. Upon discovery of a nonconformance event, the event must be defined and documented. An entry into the CAR system must be initiated, someone is assigned to investigate the issue and the event is investigated for cause.
  2. The cause analysis step is the key to the process as a long term corrective action cannot be determined until the cause is determined.
  3. If the cause is not readily obvious, the BUMA, Department Manager, Operations Manager, QA Manager, or QA Specialist is consulted.
- C. Selection and Implementation of Corrective Actions
1. Where corrective action is needed, the laboratory shall identify potential corrective actions. The action(s), most likely to eliminate the problem and prevent recurrence, are selected and implemented. Responsibility for implementation is assigned.
  2. Corrective actions shall be to a degree appropriate to the magnitude of the problem identified through the cause analysis.
  3. Whatever corrective action is determined to be appropriate, the laboratory shall document and assign the appropriate laboratory personnel to implement the changes. The CAR record is used for this documentation.
- D. Root Cause Analysis

1. Root Cause Analysis is a class of problem solving (investigative) methods aimed at identifying the basic or causal factor(s) that underlie variation in performance or the occurrence of a significant failure. The root cause may be buried under seemingly innocuous events, many steps preceding the perceived failure. At first glance, the immediate response is typically directed at a symptom and not the cause. Typically, root cause analysis would be best with three or more incidents to triangulate a weakness.
2. Systematically analyze and document the root causes of the more significant problems that are reported. Identify, track, and implement the corrective actions required to reduce the likelihood of recurrence of significant incidents. Trend the root cause data from these incidents to identify root causes that, when corrected, can lead to dramatic improvements in performance by eliminating entire classes of problems.
3. Identify the one event associated with problem and ask why this event occurred. Brainstorm the root causes of failures; for example, by asking why events occurred or conditions existed; and then why the cause occurred consecutive times until you get to the root cause. For each of these sub events or causes, ask why it occurred. Repeat the process for the other events associated with the incident.
4. Root cause analysis does not mean the investigation is over. Look at technique or other systems outside the normal indicators. Often creative thinking will find root causes that ordinarily would be missed and continue to plague the laboratory or operation.

#### E. Monitoring of the Corrective Actions

1. The Department Manager and QA are responsible to ensure that the corrective action taken was effective.
2. Ineffective actions are documented and re-evaluated by QA until acceptable resolution is achieved. Department Managers or Group Leaders are accountable to QA to ensure final acceptable resolution is achieved and documented appropriately.
3. The QA Manager and Specialists review monthly NCM and CAR records for trends. Highlights are included in the monthly quality metrics report (refer to Section 16). If a significant trend develops that adversely affects quality, an audit of the area is performed and corrective action implemented.
4. Any out-of-control situations that are not addressed acceptably at the laboratory level may be reported to the NBLSC Quality Director by the QA Manager, indicating the nature of the out-of-control situation and problems encountered in solving the situation.

#### F. Follow-up Audits

1. Follow-up audits may be initiated by the QA Manager and shall be performed as soon as possible when the identification of a nonconformance casts doubt on the laboratory's compliance with its own policies and procedures, or on its compliance with state or federal requirements.
2. These audits often follow the implementation of the corrective actions to verify effectiveness. An additional audit would only be necessary when a critical issue or risk to business is discovered.

### 12.4) Technical Data Corrective Actions

- A. In addition to providing acceptance criteria and specific protocols for technical corrective actions in the method SOPs, the laboratory has general procedures to be followed to determine when departures from the documented policies, procedures, and quality control have occurred (refer to Section 11). The documentation of these procedures is through the use of an NCM or record in the CAR system.
- B. For specific criteria and corrective actions, refer to the analytical methods or specific method SOPs. The laboratory may also maintain controlled Work Instructions or Forms detailing these items. These procedures also detail the actions to be taken and by whom, for method and/or QC departures and nonconformances.
- C. To the extent possible, samples shall be reported only if all quality control measures are acceptable. If the deficiency does not impair the method or program (e.g., drinking water) compliance of the results,

data will be reported with an appropriate data qualifier and/or the deficiency will be noted in the case narrative. Where sample results may be impaired, the PM is notified by an NCM and appropriate corrective action (e.g., reanalysis, resampling) is taken and documented.

### 12.5) Corrections to Data / Records

- A. When mistakes occur in records, each mistake shall be crossed-out with a single line, [not obliterated (e.g. no white-out, erasure, write-overs, scribble out)], and the correct value entered alongside. All such corrections shall be initialed (or signed) and dated by the person making the correction.
- B. This same process applies to adding additional information to a record. All additions made later than the initial must also be initialed (or signed) and dated. When corrections are due to reasons other than obvious transcription errors, the reason for the corrections (or additions) shall also be documented. In the case of records stored electronically, the original uncorrected file must be maintained intact and a second corrected file is created.

### 13) PREVENTIVE ACTION / IMPROVEMENT

- A. The laboratory's preventive action programs minimize or eliminate potential causes of nonconformance to the quality system. This preventive action process is a proactive and continuous process of improvement that can be initiated through feedback from clients, employees, business providers, and affiliates. The QA Department has the overall responsibility to ensure that the preventive action process is in place and that relevant information on actions is submitted for management review.
- B. Dedicating resources to an effective preventive action system emphasizes the laboratory's commitment to its Quality Systems. It is beneficial to identify and address negative trends before they develop into complaints, problems and corrective actions. Additionally, the laboratory continually strives to improve customer service and client satisfaction through continuous improvements to laboratory systems.
- C. Opportunities for improvement may be discovered through any or all of the following:
  - 1. Review of the monthly Quality Metrics Report.
  - 2. Trending NCMs.
  - 3. Review of control charts and QC results.
  - 4. Trending proficiency testing (PT) results.
  - 5. Performance of management system reviews.
  - 6. Trending client complaints.
  - 7. Review of processing operations.
  - 8. Staff observations.
- D. The Monthly QA Metrics Report shows performance indicators in all areas of the laboratory and quality system. These areas include revised reports, corrective actions, audit findings, internal auditing and data authenticity audits, client complaints, PT samples, holding time violations, SOPs, ethics training, etc. The metrics report is reviewed monthly by the laboratory management, NBLSC QA Team, Local and NBLSC Management. These metrics are used in evaluating the management and quality system performance on an ongoing basis and provide a tool for identifying risk and areas for improvement.
- E. Items identified as continuous improvement opportunities to the management system may be issued as goals from the annual management systems review, recommendations from internal audits, Lessons Learned, or as management or NBLSC level initiatives.
- F. The laboratory's corrective action process is integral to implementation of preventive actions. A critical piece of the corrective action process is the implementation of actions to prevent further occurrence of a noncompliance event. Historical review of corrective action and nonconformances provides a valuable mechanism for identifying preventive action opportunities.

G. The following elements are part of a preventative action/process improvement system:

1. Identification of an opportunity for preventive action or process improvement.
2. Process for the preventive action or improvement.
3. Define the measurements of the effectiveness of the process once undertaken.
4. Execution of the preventive action or improvement.
5. Evaluation of the plan using the defined measurements.
6. Verification of the effectiveness of the preventive action or improvement.
7. Close-Out by documenting any permanent changes to the Quality System as a result of the Preventive Action or Process Improvement.

H. Documentation of Preventive Action/Process Improvement is incorporated into the monthly QA reports, corrective action process, and management review.

I. Any preventive actions/process improvement undertaken or attempted shall be taken into account during the Annual *Management Systems Review* (Section 16). A highly detailed report is not required; however, a summary of successes and failures within the preventive action program is sufficient to provide management with a measurement for evaluation.

## 14) CONTROL OF RECORDS

A. The laboratory maintains a records management system appropriate to its needs and that complies with applicable standards or regulations as required. The system produces unequivocal, accurate records that document all laboratory activities. The laboratory retains all original observations, calculations and derived data, calibration records and a copy of the analytical report for a minimum of five years after it has been issued. Exceptions for programs with longer retention requirements are discussed in Section 14.2.

### 14.1) Overview

- A. The laboratory has established procedures for identification, collection, indexing, access, filing, storage, maintenance and disposal of quality and technical records. Quality records are maintained by the QA department in a database, D4, which is backed up as part of the regular laboratory backup. Records are of two types; either electronic or hard copy paper formats depending on whether the record is computer or hand generated (some records may be in both formats).
- B. All records are stored and retained in such a way that they are secure and readily retrievable at the laboratory facility or at an offsite storage location that provides a suitable environment to prevent damage or deterioration and to prevent loss at the laboratory. All records shall be protected against fire, theft, loss, environmental deterioration, and vermin. In the case of electronic records, electronic or magnetic sources, storage media are protected from deterioration caused by magnetic fields and/or electronic deterioration.
- C. Access to the data is limited to laboratory and company employees and is documented with an access log. Records are archived off-site, stored in a secure location where a record is maintained of any entry into the storage facility. Retention of records are maintained on-site at the laboratory for at least 1 year. It is kept on a secondary server until disk space is needing to be freed up, which usually takes two or three years before we need to do a purge. That same data on the local lab server is backed up nightly by our backup system at the Datacenter. Records are maintained for a minimum of five years unless otherwise specified by a client or regulatory requirement.
- D. For raw data and project records, record retention shall be calculated from the date the project report is issued. For other records, such as NBLSC Documents, QA, or Administrative Records, the retention time is calculated from the date the record is formally retired.
- E. The laboratory has procedures to protect and back-up records stored electronically and to prevent unauthorized access to or amendment of these records. All analytical data is maintained in secure

electronic format and, in limited cases, hard copy bound logbooks.

- F. The record keeping system allows for historical reconstruction of all laboratory activities that produced the analytical data, as well as rapid recovery of historical data. (Records stored off site are, for the most part, immediately accessible. If requested in a queried format, within 2 days of a request for such records). The history of the sample from when the laboratory took possession of the samples must be readily understood through the documentation. This shall include inter-laboratory transfers of samples and/or extracts.
1. The records include the identity of personnel involved in sampling, sample receipt, preparation, or testing. All analytical work contains the initials (at least) of the personnel involved. The laboratory's copy of the COC is stored by Sample Control after scanning. The chain of custody would indicate the name of the sampler and any sampling provided with the work order.
  2. All information relating to the laboratory facilities' equipment, analytical test methods, and related laboratory activities, such as sample receipt, sample preparation, or data verification and documented.
  3. The record keeping system facilitates the retrieval of all working files and archived records for inspection and verification purposes (e.g., set format for naming electronic files, set format for what is included with a given analytical data set. Instrument data is stored sequentially by instrument. A given day's analyses are maintained in the order of the analysis. Run logs are maintained for each instrument or method; a copy of each day's run log or instrument sequence is stored with the data to aid in re-constructing an analytical sequence. Where an analysis is performed without an instrument, bound logbooks or bench sheets are used to record and file data. Standard and reagent information is recorded into LIMS for each method as required.
  4. Changes to electronic records in LIMS or instrument data are recorded in audit trails.
  5. The reason for a signature or initials on a document is clearly indicated in the records such as "sampled by," "prepared by", "reviewed by", or "analyzed by".
  6. All generated data except those that are generated by automated data collection systems, are recorded directly, promptly and legibly in permanent dark ink.
  7. Hard copy data may be scanned into PDF format for record storage as long as the scanning process can be verified in order to ensure that no data is lost and the data files and storage media must be tested to verify the laboratory's ability to retrieve the information prior to the destruction of the hard copy that was scanned.

#### 14.2) Technical and Analytical Records

- A. The laboratory retains 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 a minimum of five years unless otherwise specified by a client or regulatory requirement. The records for each analysis shall contain sufficient information to enable the analysis to be repeated under conditions as close as possible to the original. The records shall include the identity of laboratory personnel responsible for the sampling, performance of each analysis and reviewing results.
- B. Observations, data and calculations are recorded real-time and are identifiable to the specific task. Changes to electronic records in LIMS or instrument data are recorded in audit trails.
- C. The essential information to be associated with analysis, such as instrument printouts, computer data files, analytical notebooks, and run logs, include:
1. Laboratory sample ID code
  2. Date of analysis, time of analysis is also required if the holding time is seventy-two (72) hours or less, or when time critical steps are included in the analysis (e.g., drying times, incubations, etc.), instrumental analyses have the date and time of analysis recorded as part of their general operations.

3. Instrumentation identification and instrument operating conditions/parameters - operating conditions/parameters are typically recorded in instrument maintenance logs where available.
  4. Analysis type
  5. Analyst's or operator's initials/signature
  6. Sample preparation including cleanup, separation protocols, ID codes, volumes, weights, instrument printouts, meter readings, calculations, reagents
  7. Test results
  8. Standard and reagent origin, receipt, preparation, and use
  9. Calibration criteria, frequency and acceptance criteria
  10. Data and statistical calculations, review, confirmation, interpretation, assessment and reporting conventions
  11. Quality control protocols and assessment
  12. Electronic data security, software documentation and verification, software and hardware audits, backups, and records of any changes to automated data entries.
  13. Method performance criteria including expected quality control requirements. These are indicated both in LIMS and on specific analytical report formats.
- D. All logbooks used during receipt, preparation, storage, analysis, and reporting of samples or monitoring of support equipment shall undergo a periodic, documented supervisory or peer review.

### **14.3) Laboratory Support Activities**

- A. In addition to documenting all the above-mentioned activities, the following are retained QA records and project records (previous discussions in this section relate where and how these data are stored):
1. All original raw data, whether hard copy or electronic, for calibrations, samples and quality control measures, including analysts' work sheets and data output records (chromatograms and other instrument response readout records).
  2. Copies of final reports.
  3. Archives SOPs.
  4. Correspondence relating to laboratory activities for a specific project.
  5. All corrective action reports, audits and audit responses.
  6. Proficiency test results and raw data.
  7. Results of data review, verification, and data checking procedures.
- B. Records of all procedures to which a sample is subjected while in the possession of the laboratory are maintained. These include, but are not limited to, records pertaining to:
1. Sample preservation including appropriateness of sample container and compliance with holding time requirement.
  2. Sample identification, receipt, acceptance, or rejection and login.
  3. Sample storage and tracking including shipping receipts, sample transmittal / COC forms.

4. Procedures for the receipt and retention of samples, including all provisions necessary to protect the integrity of samples.

#### 14.4) Records Management, Storage and Disposal

- A. All records (including those pertaining to test equipment), certificates and reports are safely stored, held secure and in confidence to the client. Certification related records are available upon request.
- B. All information necessary for the historical reconstruction of data is maintained by the laboratory. Records that are stored only on electronic media must be supported by the hardware and software necessary for their retrieval. Records that are generated by personal computers are operated only on the company VPN and records are stored and backed up on the same system as though they were on-site.
- C. The laboratory has a record management system (a.k.a., *document control*) for control of instrument logbooks. Standards are maintained in LIMS and/or TALS – no logbooks are used to record that data. Records are considered archived when noted as such in the records management system (a.k.a., *document control*).
  1. Transfer of Ownership - In the event that the laboratory transfers ownership or goes out of business, the laboratory shall ensure that the records are maintained or transferred according to client's instructions. Upon ownership transfer, record retention requirements shall be addressed in the ownership transfer agreement and the responsibility for maintaining archives is clearly established. In addition, in cases of bankruptcy, appropriate regulatory and state legal requirements concerning laboratory records must be followed. In the event of the closure of the laboratory, all records will revert to the control of NBLSC. Should the entire company cease to exist, 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.
  2. Records Disposal - Records are removed from the archive and destroyed after 5 years unless otherwise specified by a client or regulatory requirement. On a project specific or program basis, clients may need to be notified prior to record destruction. Records are destroyed in a manner that ensures their confidentiality such as shredding, mutilation or incineration. Electronic copies of records are destroyed by erasure so no records can be read.

### 15) AUDITS

#### 15.1) Internal Audits

- A. *Internal audits* are performed to verify that laboratory operations comply with the requirements of the laboratory's quality system and with the external quality programs under which the laboratory operates. Audits are planned and organized by the QA staff. Personnel conducting the audits should be independent of the area being evaluated. Auditors will have sufficient authority, access to work areas, and organizational freedom necessary to observe all activities affecting quality and to report the assessments to laboratory management and, when requested, to NBLSC Management.
- B. Audits are conducted and documented as described in the:
  1. Annual Management Systems Internal Audit - An annual management systems audit is required to ensure compliance to relevant items from a checklist that incorporates items from the TNI Standard that include the management system, quality systems, and quality assurance requirements.
  2. Test Method Internal Audits - These audits assess the methods performed. Reported results are compared to raw data to verify the authenticity of results. The validity of calibrations, QC results, run logs, records of manual integrations, and calculations are checked. Where possible, electronic audit miner programs are used to identify unusual manipulations of the data deserving closer scrutiny. The analyst's technique is reviewed as well as their ability to follow the SOP as written.
  3. Operational System Audits - These audits apply to areas of the laboratory that are not necessarily test methods such as Sample Receiving, Sample Splitting, LIMS, etc.
  4. Special Audit - Focused audits conducted on an as needed basis, generally as a follow up to specific issues such as client complaints, corrective actions, PT results, data audits, system audits, method

validation audits, regulatory audits or suspected ethical improprieties. Special audits are focused on a specific issue.

5. Performance Testing - The laboratory participates semi-annually in performance audits conducted through the analysis of PT samples provided by a third party. Some non-TNI labs do not require semi-annual PTs including Arizona and California. The laboratory participates in the following types of PT studies: Nonpotable Water, Soil, and Air. It is policy that PT samples be treated as typical samples in the production process. Full root cause investigations for unacceptable PT results are required. Any PT that receives an Unacceptable result must be reported to CA ELAP and two out of three Unacceptable results in immediate loss of accreditation. A seven-day waiting period followed by an Acceptable score and an Amendment application to restore accreditation.

## 15.2) External Audits

- A. External audits are performed when certifying agencies or clients conduct inspections (either on-site or remote) or submit performance testing samples to the laboratory for analysis. It is Eurofins policy to cooperate fully with regulatory authorities and clients. The laboratory makes every effort to provide the auditors with access to personnel, documentation, and assistance. Laboratory supervisors are responsible for providing corrective actions to the QA Manager who coordinates the response. Audit responses are due in the time allotted by the client or agency performing the audit.
- B. The laboratory cooperates with clients and their representatives to monitor the laboratory's performance in relation to work performed for the client. The client may only view data and systems related directly to the client's work. All efforts are made to keep other client information confidential.
- C. During audits, auditors may come into possession of information claimed as Confidential Business Information (CBI). A business confidentiality claim is defined as "a claim or allegation that business information is entitled to confidential treatment for reasons of business confidentiality or a request for a determination that such information is entitled to such treatment." When information is claimed as business confidential, the laboratory must place on (or attach to) the information at the time it is submitted to the auditor, a cover sheet, stamped or typed legend or other suitable form of notice, employing language such as "trade secret", "proprietary" or "company confidential". Confidential portions of documents otherwise non-confidential must be clearly identified. CBI may be purged of references to client identity by the responsible laboratory official at the time of removal from the laboratory. However, sample identifiers may not be obscured from the information. Additional information regarding CBI can be found in the TNI Standard.

## 15.3) Audit Findings

- A. Audit findings, deviations, or however named are documented using the corrective action process and database (see Section 12). The laboratory's corrective action documentation must include the investigation, root cause(s), actions(s) with timelines and supporting documentation of proof of completion. The responses to the agency or client may include action plans that could not be completed prior to the response due date. In these instances, a targeted completion date must be set and agreed to by operations management and the QA Manager.
- B. Developing and implementing corrective actions to findings is the responsibility of the department manager where the finding originated. Findings that are not corrected by specified due dates are reported monthly to management in the monthly quality metrics report.
- C. If any audit finding casts doubt on the effectiveness of the operations or on the correctness or validity of the laboratory's test results, the laboratory shall take timely corrective action, and shall notify clients in writing if the investigations show that the laboratory results have been affected. Once corrective action is implemented, a follow-up evaluation is scheduled to ensure that the problem has been corrected.
- D. Clients must be notified promptly in writing of any event such as the identification of defective measuring or test equipment that casts doubt on the validity of results given in any test report or amendment to a test report. The investigation must begin within 24 hours of confirmation of the problem and all efforts are made to notify the client within two weeks after the completion of the investigation.

## 16) Management Reviews



### 16.1) Quality Metrics Report

- A. The QA Department is responsible for preparing a comprehensive monthly quality metrics report to Management to keep them apprised of current quality system related issues. This report fosters communication, review, and refinement of the quality system to evaluate the suitability of policies and procedures to meet both regulatory and laboratory quality objectives.
- B. The NBLSC QA team compiles information from all of the Eurofins Environment Testing laboratories monthly quality metrics reports for the Executive Management team. This report includes, but is not limited to, notable information and concerns regarding the laboratory's quality system programs, overall concerns across the laboratories, information regarding new regulations that may affect the Eurofins businesses.

### 16.2) Annual Management Review

- A. The BU management team (BUMA, Scope Leader, Department Managers, Sales Direct, QA Manager) conducts a review annually of its quality and management systems to ensure its continuing suitability and effectiveness in meeting client and regulatory requirements and to introduce any necessary changes or improvements. It will also provide a platform for defining goals, objectives and action items that feed into the laboratory planning system.
- B. Details on the review process and agenda topics to be addressed are covered in SOP No. [39508](#). The review uses information generated during the preceding year.
- C. Significant issues from the following documentation are compiled by the QA Manager and reviewed with the BUMA prior to the review meeting:
  1. Matters arising from the previous annual review
  2. Prior Monthly QA Reports issues
  3. Laboratory QA Metrics
  4. Review of report reissue requests
  5. Review of client feedback and complaints
  6. Issues arising from any prior management or staff meetings
  7. Minutes from prior senior lab management meetings. Issues that may be raised from these meetings include:
    - a. Adequacy of staff, equipment and facility resources
    - b. Adequacy of policies and procedures
    - c. Future plans for resources and testing capability and capacity
  8. The annual internal double blind PT program sample performance (if performed)
  9. Compliance to the [Ethics and Data Integrity Policy](#). Including any evidence/incidents of inappropriate actions or vulnerabilities related to Data Integrity.
  10. Evaluation of overall risk, including risks to impartiality, confidentiality, reporting statements of conformity and nonconforming work.
- D. The meeting is held. A report is generated by the QA Manager and management. The report is distributed to the President of the Business Unit, Business Unit Manager, and other management attendees. The report includes, but is not limited to:
  1. The date of the review and the names and titles of participants.

2. A reference to the existing data quality related documents and topics that were reviewed.
3. Quality system or operational changes or improvements that will be made as a result of the review [e.g., an implementation schedule including assigned responsibilities for the changes (Action Table)]

## 17) TEST METHODS AND METHOD VALIDATION

### 17.1) Overview

- A. The laboratory uses methods that are appropriate to meet our clients' requirements and that are within the scope of the laboratory's capabilities. These include sampling, handling, transport, storage and preparation of samples, and, where appropriate, an estimation of the measurement of uncertainty as well as statistical techniques for analysis of environmental data.
- B. Instructions are available in the laboratory for the operation of equipment as well as for the handling and preparation of samples. All instructions, Standard Operating Procedures (SOPs), reference methods and manuals relevant to the working of the laboratory are readily available to all staff. Deviations from published methods are documented (with justification) in the laboratory's approved SOPs. SOPs are submitted to clients for review at their request. Significant deviations from published methods require client approval and regulatory approval where applicable.

### 17.2) Standard Operating Procedures (SOPs)

- A. The laboratory maintains SOPs that accurately reflect all laboratory activities. The method SOPs are derived from the most recently promulgated/approved, published methods and are specifically adapted to the laboratory facility. Modifications or clarifications to published methods are clearly noted in the SOPs. All SOPs are controlled in the laboratory.
  1. All SOPs contain a revision number, effective date, and appropriate approval signatures. Controlled copies are available to all staff.
  2. Procedures for writing an SOP are addressed in SOP No. 18076.
  3. SOPs are reviewed at a minimum of every 2 years and where necessary, revised to ensure continuing suitability and compliance with applicable requirements.

### 17.3) Laboratory Methods

- A. For each test method, the laboratory shall have available the published referenced method as well as the laboratory developed SOP.
- B. Technical SOPs are maintained to described a specific test method. Non-technical SOPs are maintained to describe functions and processes not related to a specific test method.

### 17.4) Selection of Methods

- A. Since numerous methods and analytical techniques are available, continued communication between the client and laboratory is imperative to assure the correct methods are utilized. Once client methodology requirements are established, this and other pertinent information is summarized by the PM or Business Development Manager. These mechanisms ensure that the proper analytical methods are applied when the samples arrive for log-in. For non-routine analytical services (e.g., special matrices, non-routine compound lists), the method of choice is selected based on client needs and available technology. The methods selected should be capable of measuring the specific parameter of interest, in the concentration range of interest, and with the required precision and accuracy.

#### 17.4.1) Sources of Methods

- A. Routine analytical services are performed using standard EPA-approved methodology. In some cases, modification of standard approved methods may be necessary to provide accurate analyses of particularly complex matrices. When the use of specific methods for sample analysis is mandated through project or regulatory requirements, only those methods shall be used.

- B. When clients do not specify the method to be used or methods are not required, the methods used will be clearly validated and documented in an SOP and available to clients and/or the end user of the data.
- C. The laboratory reviews updated versions to all the aforementioned references for adaptation based upon capabilities, instrumentation, etc., and implements them as appropriate. As such, the laboratory strives to perform only the latest versions of each approved method as regulations allow or require.
- D. Other reference procedures for non-routine analyses may include methods established by specific states (e.g., Underground Storage Tank methods), ASTM or equipment manufacturers. Sample type, source, and the governing regulatory agency requiring the analysis will determine the method utilized.
- E. Other reference procedures for non-routine analyses may include methods established by specific states (e.g., Underground Storage Tank methods), ASTM or equipment manufacturers. Sample type, source, and the governing regulatory agency requiring the analysis will determine the method utilized.
- F. The laboratory shall inform the client when a method proposed by the client may be inappropriate or out of date. After the client has been informed, and they wish to proceed contrary to the laboratory's recommendation, it will be documented.
- G. Client Supplied, Laboratory Developed, and/or Non-Standard Methods
  - 1. Most client-supplied method requirements involve achieving specific quality control criteria, limits of quantitation (LOQ), and/or method detection limits (MDL) using standard EPA methods. These requirements are communicated to the appropriate technical groups prior to the project start up. Each technical group evaluates the scope of work and the requirements to ensure the criteria can be met using the standard EPA method. The data is monitored to ensure the criteria are met throughout the project. The PM notifies the client if there is a more appropriate method available or if the client's criteria cannot be achieved on a certain sample matrix (i.e., due to matrix or dilutions).

#### H. Procedural Deviations

- 1. Analysts are required to follow a documented method for all tests performed; and any deviations from analytical methods must be documented, approved, and justified in an appropriate and consistent manner. We classify method deviations as either being a planned deviation or an unplanned deviation. In general, the following information is captured to document both types of situations:
  - a. Description of the situation
  - b. Reason or justification for the deviation
  - c. Relevance the deviation has on the testing
  - d. Signature/date of analyst performing the test
  - e. Signature/date of QA and laboratory management approving the deviation
  - f. Signature/date of client approval, if necessary
- 2. Deviations to written procedures are documented in raw data records and the corrective action system. Both types of documentation require management and QA review and approval.

#### 17.4.2) Demonstration of Capability

- A. Before the laboratory may institute a new method and begin reporting results, the laboratory shall confirm that it can properly perform the method. In general, this demonstration does not test the performance of the method in real world samples, but in an applicable and available clean matrix sample. If the method is for the testing of analytes that are not conducive to spiking, demonstration of capability may be performed on quality control samples.
- B. A demonstration of capability (DOC) SOP No. [27925](#) is performed whenever there is a change in instrument type (e.g., new instrumentation), matrix, method or personnel (e.g., analyst has not

performed the test within the last 12 months).

- C. **Note:** The laboratory shall have a DOC for all analytes included in the methods that the laboratory performs, and proficiency DOCs for each analyst shall include all analytes that the laboratory routinely performs. Addition of non-routine analytes does not require new DOCs for all analysts if those analysts are already qualified for routine analytes tested using identical chemistry and instrument conditions.
- D. The initial demonstration of capability must be thoroughly documented and approved by the Department Manager or Group Leader and QA Manager prior to independently analyzing client samples. All associated documentation must be retained in accordance with the laboratory's archiving procedures.
- E. The laboratory must have an approved SOP, demonstrate satisfactory performance, and conduct an MDL study (when applicable). There may be other requirements as stated within the published method or regulations (e.g., retention time window study).

### 17.4.3 Initial Demonstration of Capability (IDOC) Procedure

- A. The analyte(s) shall be diluted in a volume of clean matrix sufficient to prepare four aliquots at the concentration specified by a method or the laboratory SOP.
  - 1. At least four aliquots shall be prepared (including any applicable clean-up procedures) and analyzed according to the test method (either concurrently or over a period of days).
  - 2. Using all of the results, calculate the mean recovery in the appropriate reporting units and the standard deviations for each parameter of interest.
  - 3. When it is not possible to determine the mean and standard deviations, such as for presence, absence and logarithmic values, the laboratory will assess performance against criteria described in the Method SOP.
  - 4. Compare the information obtained above to the corresponding acceptance criteria for precision and accuracy in the test method (if applicable) or in laboratory generated acceptance criteria (LCS or interim criteria) if there is no mandatory criteria established. If any one of the parameters do not meet the acceptance criteria, the performance is unacceptable for that parameter. For Arizona IDOCs, all four iterations must pass the acceptance criteria.
  - 5. When one or more of the tested parameters fail at least one of the acceptance criteria, the analyst must proceed according to either option listed below:
    - a. Locate and correct the source of the problem and repeat the test for all parameters of interest beginning with step 3 above.
    - b. Beginning with step 3 above, repeat the test for all parameters that failed to meet criteria. Repeated failure, however, will confirm a general problem with the measurement system. If this occurs, locate and correct the source of the problem and repeat the test for all compounds of interest beginning with step 1 above.
- B. **Note:** Results of successive LCS analyses can be used to fulfill the DOC requirement.
- C. Methods on line prior to the effective date of this Section shall be updated to the procedures outlined above as new analysts perform their demonstrations of capability. A copy of the new record will replace that which was used for documentation in the past. At a minimum, the precision and accuracy of four mid-level laboratory control samples must have been compared to the laboratory's quality control acceptance limits.

### 17.5 Method Detection Limit (MDL) / Limits of Detection (LOD)

- A. Details of the laboratory's procedure for conducting MDL studies are given in SOP No. [33615](#).
- B. The MDL is the minimum measured quantity of a substance that can be reported with 99% confidence that the concentration is distinguishable from method blank results, consistent with 40CFR Part 136 Appendix B, August, 2017. The MDL is equivalent to the TNI LOD or DL, and is also equivalent to the

DoD/DOE Quality Systems Manual (QSM) DL. The working or final MDL is the higher of the MDL value determined from spikes (MDLs) and the MDL value determined from blanks (MDLb).

- C. An initial MDL study shall be performed during the method validation process and when the method is altered in a way that can reasonably be expected to change its sensitivity. Ongoing data are collected during each quarter in which samples are being analyzed. If it is found during the reevaluation of detection limit results that more than 5% of the spiked samples do not return positive numeric results that meet all method qualitative identification criteria, then the spiking level shall be increased and the initial MDL study will be repeated at the new spiking concentration.
- D. At least once every 13 months the MDLs and MDLb are recalculated and reevaluated using data collected during the preceding period.

#### 17.6) Limit of Quantitation

- A. The LOQ shall be at a concentration equivalent to the lowest calibration standard concentration, with the exception of methods using a single-point calibration, and shall be greater than the MDL. The LOQ is verified by preparing and analyzing spikes at concentrations 1-2 times the selected LOQ, employing the complete analytical process.
- B. When the laboratory establishes a quantitation limit, it must be initially verified by the analysis of a low level standard or QC sample at 1-2 times the reporting limit or by a DL check samples at or below the LOQ. The LOQ is verified annually thereafter. The annual requirement is waived for methods that have an annually verified MDL. The laboratory will comply with any regulatory requirements.
- C. DoD Requirements for LOQ are described in Section 10 of SOP No. [33615](#).

#### 17.7) Retention Time Windows

- A. Most organic analyses and some inorganic analyses use chromatography techniques for qualitative and quantitative determinations. For every chromatography analysis or as specified in the reference method, each analyte will have a specific time of elution from the column to the detector. This is known as the analyte's retention time. The variance in the expected time of elution is defined as the retention time window. As the key to analyte identification in chromatography, retention time windows must be established on every column for every analyte used for that method. These records are kept on-file and available for review at the instrument.

#### 17.8) Evaluation of Selectivity

- A. The laboratory evaluates selectivity by following the checks within the applicable analytical methods, which include mass spectral tuning, second column confirmation, ICP interelement interference checks, chromatography retention time windows, sample blanks, spectrochemical, atomic absorption or fluorescence profiles, co-precipitation evaluations, specific electrode response factors, etc.

#### 17.9) Estimation of Uncertainty of Measurement

- A. Uncertainty is "a parameter associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the measurand" (as defined by the International Vocabulary of Basic and General Terms in Metrology, ISO Geneva, 1993, ISBN 92-67-10175-1). Knowledge of the uncertainty of a measurement provides additional confidence in a result's validity. Its value accounts for all the factors which could possibly affect the result, such as adequacy of analyte definition, sampling, matrix effects and interferences, climatic conditions, variances in weights, volumes, and standards, analytical procedure, and random variation. Some national accreditation organizations require the use of an "expanded uncertainty" defined as the range within which the value of the measurand is believed to lie within at least a 95% confidence level with the coverage factor  $k=2$ .
  1. Uncertainty is not error. Error is a single value (i.e., the difference between the true result and the measured result). On environmental samples, the true result is never known. The measurement is the sum of the unknown true value and the unknown error. Unknown error is a combination of systematic error, or bias, and random error. Bias varies predictably, constantly, and independently from the number of measurements. Random error is unpredictable, assumed to be Gaussian in distribution, and reducible by increasing the number of measurements.
  2. The minimum uncertainty associated with results generated by the laboratory can be determined by using the Laboratory Control Sample (LCS) accuracy range for a given analyte. The LCS limits are

used to assess the performance of the measurement system since they take into consideration all of the laboratory variables associated with a given test over time (except for variability associated with the sampling and the variability due to matrix effects). The percent recovery of the LCS is compared either to the method-required LCS accuracy limits or to the statistical, historical, in-house LCS accuracy limits.

3. To calculate the uncertainty for the specific result reported, multiply the result by the decimal of the lower end of the LCS range percent value for the lower end of the uncertainty range, and multiply the result by the decimal of the upper end of the LCS range percent value for the upper end of the uncertainty range. These calculated values represent uncertainties at approximately the 99% confidence level with a coverage factor of  $k = 3$ . As an example, for a reported result of 1.0 mg/L with an LCS recovery range of 50 to 150%, the estimated uncertainty in the result would be 1.0 +/- 0.5 mg/L.

### 17.10) Sample Reanalysis Guidelines

- A. Because there is a certain level of uncertainty with any analytical measurement, a sample reanalysis may result in either a higher or lower value from an initial sample analysis. There are also variables that may be present (e.g., sample homogeneity, analyte precipitation over time, etc.) that may affect the results of a reanalysis. Based on the above comments, the laboratory will reanalyze samples at a client's request with the caveats listed below. Client specific Contractual Terms & Conditions for reanalysis protocols may supersede the following items.
- B. Homogenous samples: If a reanalysis agrees with the original result to within the RPD limits for MS/MSD or Duplicate analyses, or within +/- 1 reporting limit for samples
  1. If the reanalysis does not agree (as defined above) with the original result, then the laboratory will investigate the discrepancy and reanalyze the sample a third time for confirmation, if sufficient sample is available.
  2. Any potential charges related to reanalysis are discussed in the contract terms and conditions or discussed at the time of the request. The client will typically be charged for reanalysis unless it is determined that the laboratory was in error.
  3. Due to the potential for increased variability, reanalysis may not be applicable to Non-homogenous, Encore, and Sodium Bisulfate preserved samples. See the Area Supervisor or Laboratory Director if unsure.

### 17.11) Control of Data

- A. The laboratory has policies and procedures in place to ensure the authenticity, integrity, and accuracy of the analytical data generated by the laboratory.

#### 17.11.1) Computer and Electronic Data Related Requirements

- A. The three basic objectives of our computer security procedures and policies are shown below. The laboratory is currently using the Eurofins Laboratory Information Management System (LIMS), which has been highly customized to meet the needs of the laboratory.
  1. Maintain the Database Integrity - Assurance that data is reliable and accurate from acquisition through data verification (review) procedures, password-protecting access, anti-virus protection, data change requirements, as well as an internal LIMS permissions procedure.
    - a. LIMS Database Integrity is achieved through data input validation, internal user controls, documentation of system failures and corrective actions taken, and data change requirements.
    - b. Spreadsheets and other software developed in-house must be verified with documentation through hand calculations prior to use. Cells containing calculations must be lock-protected and controlled.
    - c. Instrument hardware and software adjustments are safeguarded through maintenance logs, audit trails, and controlled access.

2. Ensure Information Availability - Protection against loss of information or service is ensured through scheduled back-ups, stable file server network architecture, secure storage of media, line filter, Uninterruptible Power Supply (UPS), and maintaining older versions of software as revisions are implemented.
3. Maintain Confidentiality - Ensure data confidentiality through physical access controls such as password protection or website access approval when electronically transmitting data.

### 17.11.2) Data Reduction

- A. The complexity of the data reduction depends on the analytical method and the number of discrete operations involved (e.g., extractions, dilutions, instrument readings and concentrations). The analyst calculates the final results from the raw data or uses appropriate computer programs to assist in the calculation of final reportable values.
- B. For manual data entry of laboratory-produced data, e.g., Wet Chemistry, the data is reduced by the analyst and then verified by the secondary reviewer in LIMS. The batch data are signed by both the analyst and secondary reviewer to confirm the accuracy of the manual entry(s). For manual data entry of sample collection data, the data is reduced by the sample collected, entered by a secondary staff member and then verified by the reviewer in LIMS. The batch data are signed by both the secondary staff member and reviewer to confirm the accuracy of the manual entry(s).
- C. Manual integration of peaks will be documented and reviewed and the raw data will be flagged by the instrument software.
- D. Analytical results are reduced to appropriate concentration units specified by the analytical method, taking into account factors such as dilution, sample weight or volume, etc. Blank correction will be applied only when required by the method or per manufacturer's indication; otherwise, it should not be performed. Calculations are independently verified by appropriate laboratory staff. Calculations and data reduction steps for various methods are summarized in the respective analytical SOPs or program requirements.
  1. In general, concentration results are reported in milligrams per liter (mg/L) or micrograms per liter ( $\mu\text{g/L}$ ) for liquids and milligrams per kilogram (mg/kg) or micrograms per kilogram ( $\mu\text{g/kg}$ ) for solids. For values greater than 10,000 mg/L, results can be reported in percent, i.e., 10,000 mg/L = 1%. Units are defined in each laboratory SOP.
  2. For those methods that do not have an instrument printout or an instrumental output compatible with the LIMS, the raw results and dilution factors are entered directly into LIMS by the analyst or secondary staff member for field parameters, and the software calculates the final result for the analytical report. LIMS has a formatter for significant figure criterion for each analyte.
  3. All raw data must be retained in the worklist folder, computer file, and/or runlog. All criteria pertinent to the method must be recorded. The documentation is recorded at the time observations or calculations are made and must be signed or initialed/dated (month/day/year). It must be easily identifiable who performed which tasks if multiple people were involved.
  4. In reporting, the analyst or the instrument output records the raw data result using values of known certainty plus one uncertain digit. If final calculations are performed external to LIMS, the results should be entered in LIMS with at least three significant figures. In general, results are reported to 2 significant figures on the final report.
  5. The laboratory strives to import data directly from instruments or calculation spreadsheets to ensure that the reported data are free from transcription and calculation errors. For those analyses with an instrumental output compatible with the LIMS, the raw results and dilution factors are transferred into LIMS, electronically after reviewing the quantitation report, and removing unrequested or poor spectrally-matched compounds. The analyst prints a copy of what has been entered to check for errors. This printout and the instrument's printout of calibrations, concentrations, retention times, chromatograms, and mass spectra, if applicable, are retained with the data file. The data file is stored in a folder on the instrument computer and the file is backed up to the server that evening.

### 17.11.3) Logbook / Worksheet Use Guidelines

A. Logbooks and worksheets are filled out in 'real time' and have enough information on them to trace the events of the applicable analysis/task.

1. Corrections are made following the procedures outlined in Section 12.
2. Logbooks are controlled by the QA department. A record is maintained of all logbooks in the lab.
3. Unused portions of pages must be "Z"d out, signed, and dated.
4. Worksheets are created with the approval of QA. QA controls all worksheets following the laboratory's document control procedures.

#### 17.11.4) Review / Verification Procedures

A. Review of data is performed by primarily by analysts that perform the process step or analytical activity or designated data reviewers such as Group Leaders, senior analysts, local data package staff, and off-site data reviewers. This process ensures that reported data are free from calculation and transcription errors and that QC parameters have been reviewed and evaluated before data is reported. The laboratory also has an SOP discussing manual integrations to ensure the authenticity of the data [NCSC-ETHC-TRN-FRM56342](#) and there are group-directed trainings in Eurofins Learning Centre that are required. The general review concepts are discussed below.

1. Log-In Review - The data review process starts at the sample receipt stage. Sample control personnel review chain-of-custody forms and project instructions from the project management group. This is the basis of the sample information and analytical instructions entered into the LIMS. The log-in instructions are reviewed by the personnel entering the information, and a second level review is conducted by the project management staff.
2. First Level Data Review - The next level of data review occurs with the analysts. As data are generated, analysts review their work to ensure that the results meet project and SOP requirements. First level reviews include inspection of all raw data (e.g., instrument output for continuous analyzers, chromatograms, spectra, and manual integrations), evaluation of calibration/calibration verification data in the day's analytical run, evaluation of QC data, and reliability of sample results. The analyst transfers data into LIMS, data qualifiers are added as needed. A Data Review Checker (DRC) is utilized as a tool to automate review of select method requirements. All first level reviews are documented.
3. Second Level Data Review - All analytical data are subject to review by a second qualified analyst or supervisor. Second level reviews include inspection of all raw data (e.g., instrument output, chromatograms, and spectra) including 100% of data associated with any changes made by the primary analyst, such as manual integrations or reassignment of peaks to different analytes, or elimination of false negative analytes. The second review also includes evaluation of initial calibration/calibration verification data in the analytical run, evaluation of QC data, reliability of sample results, qualifiers and NCM narratives. Manual calculations are checked in second level review. A Data Review Checker (DRC) is utilized as a tool to automate review of select method requirements. All second level reviews are documented.
4. Issues that deem further review include the following:
  - a. QC data that are outside the specified control limits for accuracy and precision.
  - b. Reviewed sample that data does not match with reported results.
  - c. Unusual detection limit changes.
  - d. Samples with unusually high results.
  - e. Samples exceeding a known regulatory limit.
  - f. Raw data indicating some type of contamination or poor technique.



- g. Inconsistent peak integration
  - h. Transcription errors.
  - i. Results outside of calibration range.
5. Unacceptable analytical results may require reanalysis of the samples.
  6. The results are then entered or directly transferred into LIMS and a pdf is generated for the client.
  7. As a final review prior to the release, some reports may undergo review by the Project Manager for appropriateness and completeness. Other reports continue onto auto reporting.
  8. Projects that require a data package may be subject to a tertiary data review for transcription errors and acceptable quality control requirements.

#### **17.11.5) Manual Integrations**

- A. Computerized data systems provide the analyst with the ability to reintegrate raw instrument data in order to optimize the interpretation of the data. Though manual integration of data is an invaluable tool for resolving variations in instrument performance and some sample matrix problems, when used improperly, this technique would make unacceptable data appear to meet quality control acceptance limits. Improper reintegration may lead to legally indefensible data, a poor reputation, or possible laboratory decertification. Because guidelines for reintegration of data are not provided in the methods and most methods were written prior to widespread implementation of computerized data systems, the laboratory trains all analytical staff on proper manual integration techniques in accordance with NBLSC Document No. *NDSC-ETHC-SOP43862 - Manual Integrations*.

### **18) INSTRUMENTS, EQUIPMENT, AND CALIBRATION**

#### **18.1) Overview**

- A. Instrumentation is purchased on the basis of accuracy, dependability, efficiency and sensitivity. Each laboratory is furnished with all items of sampling, preparation, analytical testing and measurement equipment necessary to correctly perform the tests for which the laboratory has capabilities. Each piece of equipment is capable of achieving the required accuracy and complies with specifications relevant to the method being performed. Before being placed into use, the equipment (including sampling equipment) is calibrated and checked to establish that it meets its intended specification. The calibration routines for analytical instruments establish the range of quantitation. Calibration procedures are specified in laboratory SOPs. Equipment is only operated by authorized and trained personnel. Manufacturer's instructions for equipment use hard copies and electronic copies are archived by the local IT group. Electronic copies are readily accessible to all appropriate laboratory personnel as well as the Operations Manager.

#### **18.2) Instrument / Equipment Maintenance**

- A. The laboratory follows a well-defined maintenance program to ensure proper equipment operation and to prevent the failure of laboratory equipment or instrumentation during use. This program of preventive maintenance helps to avoid delays due to instrument failure.
- B. Routine preventive maintenance procedures and frequency, such as cleaning and replacements, should be performed according to the procedures outlined in the manufacturer's manual. Qualified personnel must also perform maintenance when there is evidence of degradation of peak resolution, a shift in the calibration curve, loss of sensitivity, or failure to continually meet one of the quality control criteria.
- C. Scheduled routine maintenance is defined in each method SOP. It is the responsibility of each department manager or Group Leader to ensure that instrument maintenance logs are kept for all equipment in his/her department. Preventative maintenance procedures are recorded in instrument maintenance logbooks.
- D. Instrument maintenance logbooks are controlled and are used to document instrument problems, instrument repair and maintenance activities. Maintenance logbooks shall be kept for all major pieces of equipment. Instrument maintenance logbooks may also be used to specify instrument parameters.

1. Documentation must include all major maintenance activities such as contracted preventive maintenance and service, and in-house activities such as the replacement of electrical components, lamps, tubing, valves, columns, detectors, cleaning and adjustments.
  2. Each entry in the instrument logbook includes the analyst's initials, the date, a detailed description of the problem (or maintenance needed/scheduled), a detailed explanation of the solution or maintenance performed, and a verification that the equipment is functioning properly (state what was used to determine a return to control. e.g. CCV run on 'date' was acceptable, or instrument recalibrated on 'date' with acceptable verification, etc.) must also be documented in the instrument records.
  3. When maintenance or repair is performed by an outside agency, service receipts detailing the service performed must be kept on file.
- E. If an instrument requires repair, gives suspect results, or otherwise is shown to be defective or outside of specified limits it shall be taken out of operation and tagged as out-of-service or otherwise isolated until such a time as the repairs have been made and the instrument can be demonstrated as operational by calibration and/or verification or other test to demonstrate acceptable performance. The laboratory shall examine the effect of this defect on previous analyses.
- F. At a minimum, if an instrument is sent out for service or transferred to another facility, it must be recalibrated and the laboratory MDL verified (using and MDLv) prior to returning to lab operations.

### 18.3) Support Equipment

- A. SOP No. 33458 and SOP No. 17517 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, field sampling devices, temperature measuring devices, thermal/pressure sample preparation devices and volumetric dispensing devices if quantitative results are dependent on their accuracy, as in standard preparation and dispensing or dilution into a specified volume. All raw data records associated with the support equipment are retained to document instrument performance.

#### 18.3.1) Weights and Balances

- A. The accuracy of the balances used in the laboratory is checked every working day, before use. All balances are placed on stable counter tops.
- B. Each balance is checked prior to initial serviceable use with at least two certified ASTM type 1 weights spanning its range of use (weights that have been calibrated to ASTM type 1 weights may also be used for daily verification). ASTM type 1 weights used only for calibration of other weights (and no other purpose) are inspected for corrosion, damage or nicks at least annually and if no damage is observed, they are calibrated at least every 5 years by an outside calibration laboratory. Any weights (including ASTM Type 1) used for daily balance checks or other purposes are recalibrated/recertified annually to NIST standards (this may be done internally if laboratory maintains "calibration only" ASTM type 1 weights).
- C. All balances are serviced annually by a qualified service representative, who supplies the laboratory with a certificate that identifies traceability of the calibration to the NIST standards.
- D. All of this information is recorded in logs, and the recalibration/recertification certificates are kept on file.

#### 18.3.2) pH, Conductivity, and Turbidity Meters

- A. The pH meters used in the laboratory are accurate to + 0.1 pH units, and have a scale readability of at least 0.05 pH units. The meters automatically compensate for the temperature, and are calibrated with at least two working range buffer solutions on working day prior to use.
- B. Conductivity meters used in the laboratory are capable for measuring conductivity with an error not exceeding 1% or one umhos/cm, whichever is greater. The meters are also calibrated on working day prior to use with a known standard.
- C. Turbidity meters are also calibrated on each working day prior to use.

- D. All of this information is documented in logs.
- E. Consult *pH*, *Conductivity*, and *Turbidity* SOPs for further information.

### 18.3.3) Temperature Measuring Devices

- A. All liquid in glass thermometers are calibrated on an annual basis with a NIST-traceable reference thermometer.
  - 1. If the temperature measuring device is used over a range of 10°C or less, then a single point verification within the range of use is acceptable.
  - 2. If the temperature measuring device is used over a range of greater than 10°C, then the verification must bracket the range of use.
- B. IR thermometers, digital probes and thermocouples are calibrated quarterly. IR Thermometers should be calibrated over the full range of use, including ambient, iced (4°C) and frozen (0°C to -5°C), per the Drinking Water Manual.
- C. The NIST thermometer is recalibrated every five years by an approved outside service and the provided certificate of traceability is kept on file. The NIST thermometer has increments of 1 degree and has ranges applicable to method and certification requirements. The NIST traceable thermometer is used for no other purpose than to calibrate other thermometers.
- D. All of this information is documented in logbooks. Monitoring method-specific temperatures, including incubators, heating blocks, water baths, and ovens, is documented in method-specific logbooks. More information on this subject can be found in the SOP No. [17517](#).

### 18.3.4) Refrigerators, Freezer, Water Baths, Ovens, and Incubators

- A. The temperatures of all refrigerators and freezers used for sample and standard storage are monitored 7 days a week. Ovens and water baths are monitored on days of use. All of this equipment has a unique identification number, and is assigned a thermometer for monitoring.
- B. Sample storage refrigerator temperatures are kept between > 0°C and < 6 °C. Specific temperature settings/ranges for other refrigerators, ovens and water baths can be found in method specific SOPs.
- C. All of this information is documented in Daily Temperature Logbooks and method-specific logbooks and discussed in SOP No. [17517](#).

### 18.3.5) Autopipettors, Dilutors, and Syringes

- A. Mechanical volumetric dispensing devices are given unique identification numbers and the delivery volumes are verified gravimetrically, at a minimum, on a quarterly basis.
- B. For those dispensers that are not used for critical volume measurements, a label shall be applied to the device stating that it is not calibrated. Any device not regularly verified cannot be used for any quantitative measurements.

## 18.4) Instrument Calibration

- A. Calibration of analytical instrumentation is essential to the production of quality data. Strict calibration procedures are followed for each method. These procedures are designed to determine and document the method detection limits, the working range of the analytical instrumentation and any fluctuations that may occur from day to day.
- B. Sufficient raw data records are retained to allow an outside party to reconstruct all facets of the initial calibration. Records contain, but are not limited to, the following: calibration date, method, instrument, analyst(s) initials or signatures, analysis date, analytes, concentration, response, and type of calibration (Avg RF, curve, or other calculations that may be used to reduce instrument responses to concentration.)
- C. Sample results must be quantitated from the initial calibration and may not be quantitated from any continuing instrument calibration verification unless otherwise required by regulation, method or program.

- D. If the initial calibration results are outside of the acceptance criteria, corrective action is performed and any affected samples are reanalyzed if possible. If the reanalysis is not possible, any data associated with an unacceptable initial calibration will be reported with appropriate data qualifiers. Recalibration is performed as needed, per method, or at least annually.

#### 18.4.1) Calibration Standards

- A. Calibration standards are prepared using the procedures indicated in the Reagents and Standards section of the determinative method SOP.
- B. Standards for instrument calibration are obtained from a variety of sources. All standards are traceable to national or international standards of measurement, or to national or international standard reference materials.
- C. The lowest concentration calibration standard that is analyzed during an initial calibration must be at or below the stated reporting limit for the method based on the final volume of extract (or sample).
- D. The other concentrations define the working range of the instrument/method or correspond to the expected range of concentrations found in actual samples that are also within the working range of the instrument/method. Results of samples not bracketed by initial instrument calibration standards (within calibration range to at least the same number of significant figures used to report the data) must be reported as having less certainty, e.g., defined qualifiers or flags (additional information may be included in the case narrative). The exceptions to these rules; ICP and ICPMS methods, which define the working range with periodic linear dynamic range studies, rather than through the range of concentrations of daily calibration standards.
- E. All initial calibrations are verified with a standard obtained from a second source and traceable to a national standard, when available (or vendor certified different lot if a second source is not available). For unique situations, such as air analysis where no other source or lot is available, a standard made by a different analyst at a different time or a different preparation would be considered a second source. This verification occurs immediately after the calibration curve has been analyzed, and before the analysis of any samples.

#### 18.4.2) Calibration Verification

- A. The calibration relationship established during the initial calibration must be verified initially and at least daily as specified in the laboratory method SOPs in accordance with the referenced analytical methods and in the TNI Standard. The process of calibration verification applies to both external standard and internal standard calibration techniques, as well as to linear and non-linear calibration models. Initial calibration verification (ICV) is with a standard source secondary (second source standard) to the calibration standards, but continuing calibration verifications (CCV) may use the same source standards as the calibration curve.
- Note:** The process of calibration verification referred to here is fundamentally different from the approach called "calibration" in some methods. As described in those methods, the calibration factors or response factors calculated during calibration are used to update the calibration factors or response factors used for sample quantitation. This approach, while employed in other EPA programs, amounts to a daily single-point calibration.
- B. All target analytes and surrogates, including those reported as non-detects, must be included in periodic calibration verifications for purposes of retention time confirmation and to demonstrate that calibration verification criteria are being met.
- C. All samples must be bracketed by periodic analyses of standards that meet the QC acceptance criteria (e.g., calibration and retention time). The frequency is found in the determinative methods or SOPs.
- Note:** If an internal standard calibration is being used then bracketing calibration verification standards may not be required, only daily verifications are needed. The results from these verification standards must meet the calibration verification criteria and the retention time criteria (if applicable).
- D. Generally, the calibrations must be verified by an ICV analyzed immediately following initial calibration and before sample analysis. The ICV may be used as the first bracketing CCV, if criteria for both are

met.

- E. A continuing instrument calibration verification (CCV) is generally analyzed at the beginning of each 12-hour analytical shift during which samples are analyzed. The 12-hour analytical shift begins with the injection of the calibration verification standard (or the MS tuning standard in MS methods). The shift ends after the completion of the analysis of the last sample, QC, or standard that can be injected within 12-hours of the beginning of the shift. For methods that have quantitation by external calibration models, a CCV is analyzed at the end of each analytical sequence. Some methods have more frequent CCV requirements. Most inorganic methods require the CCV to be analyzed after every 10 samples or injections, including matrix or batch QC samples.
- F. If the results of a CCV are outside the established acceptance criteria and analysis of a second consecutive (and immediate) CCV fails to produce results within acceptance criteria, corrective action shall be performed. Once corrective actions have been completed and documented, the laboratory shall demonstrate acceptable instrument / method performance by analyzing two consecutive CCVs, or a new initial instrument calibration shall be performed.
- G. Calibration verification for calibrations involves the calculation of the percent drift or the percent difference of the instrument response between the initial calibration and each subsequent analysis of the verification standard. (These calculations are available in the laboratory method SOPs.) Verification standards are evaluated based on the % Difference from the average CF or RF of the initial calibration or based on % Drift or % Recovery if a linear or quadratic curve is used.
- H. Regardless of whether a linear or non-linear calibration model is used, if initial verification criterion is not met, then no sample analyses may take place until the calibration has been verified or a new initial calibration is performed that meets the specifications listed in the method SOPs. If the calibration cannot be verified after the analysis of a single verification standard, then adjust the instrument operating conditions and/or perform instrument maintenance, and analyze another aliquot of the verification standard. If the calibration cannot be verified with the second standard, then a new initial calibration is performed.
- I. Sample analyses and reporting of data may not occur or continue until the analytical system is calibrated or calibration verified. However, data associated with an unacceptable calibration verification may be fully useable reported based upon discussion and approval of the client under the following special conditions:
1. When the acceptance criteria for the CCV are exceeded high (i.e., high bias) and the associated samples within the batch are non-detects, then those non-detects may be reported with case narrative comment explaining the high bias. Otherwise the samples affected by the unacceptable CCV shall be re-analyzed after a new calibration curve has been established, evaluated and accepted.
  2. When the acceptance criteria for the CCV are exceeded low (i.e., low bias), those sample results may be reported if they exceed a maximum regulatory limit/decision level. Otherwise the samples affected by the unacceptable CCV shall be re-analyzed after a new calibration curve has been established, evaluated and accepted. Alternatively, a reporting limit standard may be analyzed to demonstrate that the laboratory can still support non-detects at their reporting limit.
- J. Samples reported by the 2 conditions identified above will be appropriately flagged.

## 19) MEASUREMENT TRACEABILITY

### 19.1) Overview

- A. Traceability of measurements shall be assured using a system of documentation, calibration, and analysis of reference standards. Laboratory equipment that are peripheral to analysis and whose calibration is not necessarily documented in a test method analysis or by analysis of a reference standard shall be subject to ongoing certifications of accuracy. At a minimum, these must include procedures for checking specifications of ancillary equipment. Wherever possible, subsidiary or peripheral equipment is checked against standard equipment or standards that are traceable to national or international standards.

- B. With the exception of Class A Glassware, quarterly accuracy checks are performed for mechanical volumetric devices used to measure critical volumes. Calscience also checks glass microliter syringes for accuracy on a semiannual basis. Class A Glassware should be routinely inspected for chips and acid etching. If the Class A glassware is suspect, the accuracy of the glassware will be assessed prior to use.

### 19.2) Reference Weights and Thermometers

- A. Reference standards of measurement shall be used for calibration only and for no other purpose, unless it can be shown that their performance as reference standards would not be invalidated.
- B. For reference weights and thermometers, the laboratory requires that all calibrations be conducted by a calibration laboratory accredited under ISO/IEC 17025. A calibration certificate for these reference weights and thermometers is kept on file at the laboratory.

### 19.3) Reference Standards, Materials, and Reagents

- A. Reference standards/materials/reagents, where commercially available, are traceable to certified reference materials. Commercially prepared reference standards, to the extent available, are purchased from vendors that are accredited under ISO 17034. All reference standards from commercial vendors shall be accompanied with a certificate that includes at least the following information:
1. Manufacturer
  2. Analytes or parameters calibrated
  3. Identification or lot number
  4. Concentration with associated uncertainties
  5. Purity
- B. If a standard cannot be purchased from a vendor that supplies a Certificate of Analysis, the purity of the standard is documented by analysis. The receipt of all reference standards must be documented. Reference standards are labeled with a unique identification number and expiration date. All documentation received with the reference standard is retained as a QC record and references the identification number.
- C. All reference, primary and working standards/materials, whether commercially purchased or laboratory prepared, must be checked regularly to ensure that the variability of the standard or material from the true value does not exceed method requirements. The accuracy of calibration standards is checked by comparison with a standard from a second source. In cases where a second standard manufacturer is not available, a vendor certified different lot is acceptable for use as a second source. For unique situations, such as air analysis where no other source or lot is available, a standard made by a different analyst would be considered a second source. The appropriate Quality Control (QC) criteria for specific standards are defined in laboratory SOPs.
- D. All standards and materials must be stored and handled according to method or manufacturer's requirements in order to prevent contamination or deterioration.
- E. Standards and reference materials shall not be used after their expiration dates unless their reliability is verified by the laboratory and their continued use through the extended expiration period is approved by the QA Manager.
- F. Records are maintained electronically for standard and reference material preparation. These records show the traceability to purchased stocks or neat compounds. These records also include method of preparation, date of preparation, expiration date and preparer's name or PUID. Preparation procedures are provided in the Method SOPs.
- G. All standards, reagents, and reference materials must be clearly labeled with a minimum of the following information:
1. Expiration Date (include prep date for reagents)

2. Identification number
  3. Date opened
- H. Label with the following when container size allows, if not, ensure the information is in the associated LIMS/logbook record:
1. Description (if different from manufacturer's label or if it was prepared in the laboratory)
  2. Storage Conditions
  3. Concentration (if applicable)
  4. Preparer name/ID
- I. Special Health/Safety warnings must also be available to the analyst. This information is found in the associated SDS.

## 20) SAMPLING

### 20.1) Overview

- A. The laboratory provides sampling services. Sampling procedures are described in SOP No. [46239](#), Wastewater Sampling.

### 20.2) Sampling Containers

- A. The laboratory offers clean sampling containers for use by clients. These containers are obtained from ESS, a reputable container manufacturer that meets EPA specifications as required. Certificates of cleanliness for bottles and preservatives are maintained by the supplier and available to the laboratory on-line or by request.
- B. Preservatives are provided to the client in pre-cleaned sampling containers. In some cases, containers may be prepared by the laboratory. At a minimum, the preservatives are:
1. Hydrochloric Acid: Instra-Analyzed or equivalent
  2. Methanol: Purge and Trap grade
  3. Nitric Acid: ACS grade or equivalent.
  4. Sodium Bisulfate: ACS grade or equivalent.
  5. Sodium Hydroxide: ACS grade or equivalent.
  6. Sulfuric Acid: Instra-Analyzed or equivalent.

## 21) SAMPLE HANDLING

### 21.1) Chain of Custody (COC)

- A. The COC form is the documented history of any sample and is initiated when bottles are sent to the field, or at the time of sampling. This form is completed by the sampling personnel and accompanies the samples to the laboratory where it is received and stored under the laboratory's custody. The purpose of the COC form is to provide a legal record of the handling of samples from the time of collection until they are received at the laboratory. It also serves as the primary documented request for analyses from the client to the laboratory. The COC form may serve as the purchase order specifying the requested analytical services when no other contractual agreement is in effect.
- B. Field COC Documentation

1. The information the sampler needs to provide at the time of sampling on the container label includes:
  - a. Sample identification
  - b. Date and time of collection
  - c. Preservative (laboratory-provided containers will have this information)
2. During the sampling process, the COC form is completed and must be legible. This form includes information such as:
  - a. Client name, address, phone number, and fax number (if available)
  - b. Project name, and/or number
  - c. The sample identification
  - d. Date, time, and location of sampling
  - e. Sample collector's name
  - f. The matrix description
  - g. The container description
  - h. The total number of each type of container
  - i. Preservatives used
  - j. Analysis requested
  - k. Requested turnaround time (TAT)
  - l. Any special instructions
  - m. Purchase Order number or billing information (e.g. quote number) if available
  - n. The date and time that each person received or relinquished the sample(s), including their signed name.
3. The client relinquishes the samples in writing on the COC form, or through the Eurofins eCOC electronic transfer program, to the sample control personnel at the laboratory or to a laboratory courier. The laboratory personnel document the receipt date and time on the COC.
4. When clients send the samples through a common carrier (e.g., Fed-Ex, UPS), the COC relinquished date/time is completed by the client. Samples are documented as received by the laboratory with the date and time of receipt of the shipment from the common carrier.
5. **Note:** Independent couriers are not required to sign the COC form.

#### C. Legal / Evidentiary COC

1. If samples are identified for legal/evidentiary purposes on the COC, login will complete the custody seal, retain the shipping record with the COC, and initiate an internal COC for laboratory use by analysts and a sample disposal record.

#### 21.2) Sampling Containers, Preservation Requirements, Holding Times

- A. The sampling container type, preservation, and holding time criteria specified in the laboratory SOPs are derived from the source documents for the methods. If method required holding times or preservation requirements are not met, the reports will be qualified using a flag, footnote and/or case narrative comment.



- B. The date and time of sampling documented on the COC form establishes the day and time zero. As a general rule, when the maximum allowable holding time is expressed in days (e.g., 14 days, 28 days), the holding time is based on calendar day measured. Holding times expressed in hours (e.g., 6 hours, 24 hours, etc.) are measured from date and time zero. Holding times for analysis include any necessary reanalysis.
- C. Tests designated in the method or regulation as to be performed "As soon as possible" or "ASAP" is indicative of a parameter that should be analyzed within 15 minutes of collection. Therefore, these are typically tests that are performed in the field. When the analysis is performed in the laboratory, the data will be qualified as outside the holding time.

### 21.3) Sample Receipt

- A. Samples are received at the laboratory by designated sample receiving personnel and a unique laboratory job identification number is assigned. Each sample container shall be assigned a unique sample identification number that is cross-referenced to the client identification number such that traceability of test samples is unambiguous and documented. Each sample container is affixed with a durable sample identification label. Sample acceptance, receipt, tracking and storage procedures are detailed in the laboratory's *SC-SOP39452 Sample Receipt and Login Procedures*.
- B. When samples arrive at the laboratory, sample receiving personnel inspect the coolers and samples. The integrity of each sample must be determined by comparing sample labels with the COC and by visual checks of the container for possible damage. Any nonconformance, irregularity, or compromised sample receipt must be documented on the receipt checklist and brought to the immediate attention of the client. The COC, shipping documents, documentation of any nonconformance, irregularity, or compromised sample receipt, record of client contact, and resulting instructions become part of the project record.
- C. Sample Receiving personnel document preservation of non-volatile liquid samples after the samples have been entered into the LIMS and before they are released to the laboratory for testing or placed into storage.

### 21.4) Sample Acceptance Policy

- A. The laboratory has a written sample acceptance policy that clearly outlines the circumstances under which samples shall be accepted or rejected. This policy is outlined in the SOP noted above in Section 21.2.
- B. After inspecting the samples, the sample receiving personnel sign and date the COC form, make any necessary notes of the samples' conditions and store them in appropriate refrigerators or storage locations.
- C. Any deviations from these checks that question the suitability of the sample for analysis, or incomplete documentation as to the tests required will be resolved by consultation with the client. If the sample acceptance policy criteria are not met, the laboratory shall either:
1. Retain all correspondence and/or records of communications with the client regarding the disposition of rejected samples, or
  2. Fully document any decision to proceed with sample analysis that does not meet sample acceptance criteria.
- D. Once sample acceptance is verified, the samples are logged into LIMS.

### 21.5) Sample Storage

- A. In order to avoid deterioration, contamination or damage to a sample during storage and handling, from the time of receipt until all analyses are complete, samples are stored in refrigerators, freezers or protected locations suitable for the sample matrix. In addition, samples to be analyzed for volatile

organic parameters are stored in separate refrigerators designated for volatile organic parameters only. Samples are never to be stored with reagents, standards or materials that may create contamination.

- B. To ensure the integrity of the samples during storage, refrigerator blanks are maintained in the volatile sample refrigerators and analyzed every two weeks.
- C. Access to the laboratory is controlled such that sample storage need not be locked at all times unless a project specifically requires it. Samples are accessible to laboratory personnel only. Visitors to the laboratory are prohibited from entering the storage and laboratory areas unless accompanied by an employee of Eurofins Calscience.

### 21.6) Hazardous Samples and Foreign Soils

- A. All samples should be treated as hazardous until clearly noted otherwise. To minimize exposure to personnel and to avoid potential accidents, foreign soil samples are stored in a designated area and have a Foreign Soil sticker attached as described in SOP No. [17778, Handling and Disposal of Foreign Soil Samples](#). Hazardous samples are designated for hazardous waste only. For any sample that is known to be hazardous at the time of receipt, or if after completion of analysis the result exceeds the acceptable regulatory levels, a Hazardous Sample Notice must be completed by the analyst. This form may be completed by Sample Control, Project Managers, or analysts and must be attached to the report.
- B. The sample itself is clearly marked with a red stamp, stamped on the sample label reading "HAZARDOUS" and placed in a colored and/or marked bag to easily identify the sample. The date, log number, lab sample number, and the result or brief description of the hazard are all written on the Hazardous Sample Notice. A copy of the form must be included with the original COC and Work Order and the original must be given to the Sample Control Custodian.
- C. Analysts will notify Sample Control of any sample determined to be hazardous after completion of analysis by completing a Hazardous Sample Notice. All hazardous samples are either returned to the client or disposed of appropriately through a hazardous waste disposal firm that lab-packs all hazardous samples and removed them from the laboratory. Foreign soil samples are sent out for incineration by Veolia.

### 21.7) Sample Shipping

- A. Reference SOP No. [39452](#), Section 11, Inter-Laboratory Sampling
  - 1. In the event that the laboratory needs to ship samples, the samples are placed in a cooler with enough ice to ensure the samples remain just above freezing and at or below 6°C during transit. The samples are carefully surrounded by packing material to avoid breakage (yet maintain appropriate temperature). A trip blank is enclosed for those samples requiring water/solid volatile organic analyses and a temperature blank. The chain-of-custody form is signed by the sample control technician and attached to the shipping paperwork. A custody seal is placed is required.
  - 2. Samples are generally shipped overnight express. All personnel involved with shipping and receiving samples must be trained to maintain the proper chain-of-custody documentation and to keep the samples intact and on ice. The laboratory's Environmental, Health and Safety Manual contains additional shipping requirements.
  - 3. **Note:** If the sample will be sent outside of California, refer to the Shipping Requirements section of the SOP No. [17778, Handling and Disposal of Foreign Soil Samples](#), for further requirements.

### 21.8) Sample Disposal

- A. Samples should be retained for a minimum of 30 days after the project report is sent, however, provisions may be made for earlier disposal of samples once the holding time is exceeded. Some samples are required to be held for longer periods based on regulatory or client requirements. The laboratory must follow the longer sample retention requirements where required by regulation or client agreement.
- B. Several possibilities for sample disposal exist: the sample may be consumed completely during analysis, the sample may be returned to the customer or location of sampling for disposal, or the sample may be

disposed of in accordance with the laboratory's waste disposal procedures SOP No. *38183, Disposal of Laboratory Wastes and Samples*. All procedures in the laboratory's *Environmental Health and Safety Manual* are followed during disposal. Unused portions of samples found or suspected to be hazardous according to state or federal guidelines may be returned to the client upon completion of the analytical work or disposed of in the relevant hazardous waste stream.

- C. If a sample is part of a known litigation, the affected legal authority, sample data user, and/or submitter of the sample must participate in the decision about the sample's disposal.
- D. All documentation and correspondence concerning the disposal decision process must be kept on file. Pertinent information includes the date of disposal, nature of disposal (such as sample depletion, hazardous waste facility disposal, return to client), names of individuals who conducted the arrangements and physically completed the task. The laboratory will remove or deface sample labels prior to disposal unless this is accomplished through the disposal method (e.g., samples are incinerated).

## 22) ASSURING THE QUALITY OF TEST RESULTS

### 22.1) Overview

- A. In order to assure our clients of the validity of their data, the laboratory continuously evaluates the quality of the analytical process. The analytical process is controlled not only by instrument calibration, but also by routine process quality control requirements. These quality control checks are performed as required by the method and/or regulations to assess precision and accuracy. Quality control samples are to be treated in the exact same manner as the associated field samples being tested (e.g. filtering of samples requires the QC to also be filtered). In addition to the routine process quality control samples, Proficiency Testing (PT) Samples are analyzed to help ensure laboratory performance.

### 22.2) Controls

- A. Samples are arranged into discreet manageable groups referred to as batches. Typically a batch consists of a maximum 20 field samples and the associated preparation and/or analytical quality control (QC) samples. Control samples are added to each batch to monitor method performance and are processed through the entire procedure with field samples.

### 22.3) Negative Controls

Control Type	Details
Method Blank (MB)	To assess preparation and analysis for possible contamination during the preparation and processing steps.
	The specific frequency of use for method blanks during the analytical sequence is defined in the specific standard operating procedure for each analysis. Generally it is 1 for each batch of samples; not to exceed 20 environmental samples.
	The method blank is prepared from a clean matrix similar to that of the associated samples that is free from target analytes (e.g., Reagent water, Ottawa sand, glass beads, etc.) and is processed along with and under the same conditions as the associated samples.
	The method blank goes through all of the steps of the process (including as necessary: filtration, clean-ups, etc.).
	Reanalyze or qualify associated sample results when the concentration of a targeted analyte in the blank is at or above the reporting limit as established by the method or by regulation, AND is greater than 1/10 of the amount measured in the sample.
Calibration Blanks	Prepared and analyzed along with calibration standards where applicable. They are prepared using the same reagents that are used to prepare the standards. In some analyses the calibration blank may be included in the calibration curve.
Instrument Blanks	Blank reagents or reagent water that may be processed during an analytical sequence in order to assess contamination in the analytical system. In general, instrument blanks are used to differentiate between contamination caused by the analytical system and that caused by the sample handling or sample prep process. Instrument blanks may also be

	inserted throughout the analytical sequence to minimize the effect of carryover from samples with high analyte content.
Trip Blank (TB) <sup>1</sup>	TBs are required to be submitted by the client with each shipment of samples requiring aqueous and solid volatiles analyses (or as specified in the client's project plan). Additionally, trip blanks may be prepared and analyzed for volatile analysis of air samples, when required by the client. A trip blank may be purchased (certified clean) or is prepared by the laboratory by filling a clean container with pure deionized water that has been purged to remove any volatile compounds. Appropriate preservatives are also added to the container. The trip blank is sent with the bottle order and is intended to reflect the environment that the containers are subjected to throughout shipping and handling and help identify possible sources if contamination is found. The field sampler returns the trip blank in the cooler with the field samples.
Field Blanks (FB) <sup>1</sup>	FBs are sometimes used for specific projects by the field samplers. A field blank prepared in the field by filling a clean container with pure reagent water and appropriate preservative, if any, for the specific sampling activity being undertaken. (EPA OSWER)
Equipment Blanks (EB) <sup>1</sup>	EBs are also sometimes created in the field for specific projects. An equipment blank is a sample of analyte-free media which has been used to rinse common sampling equipment to check effectiveness of decontamination procedures. (TNI)
Holding Blanks	Also referred to as refrigerator, storage, or freezer blanks, are used to monitor the sample storage units for volatile organic compounds during the storage of VOA samples in the laboratory.

<sup>1</sup> - When known, these field QC samples should not be selected for matrix QC as it does not provide information on the behavior of the target compounds in the field samples. Usually, the client sample ID will provide information to identify the field blanks with labels such as "FB", "EB", or "TB."

## 22.4) Positive Controls

A. Control samples are analyzed with each batch of samples to evaluate data based upon:

1. Method Performance - Laboratory Control Sample (LCS) or Laboratory Fortified Blank (LFB) - which includes both the preparation and analysis steps. The LCS measures the accuracy of the method in a blank matrix and assesses method performance independent of potential field sample matrix effects in a laboratory batch.
2. Matrix Effects - Matrix Spike (MS) or Sample Duplicate (MSD, DUP) - which includes both the preparation and analysis steps. The matrix QC evaluates field sampling accuracy, precision, representativeness, interferences, and the effect of the matrix on the method performed.

B. Each regulatory program and each method within those programs specify the control samples that are prepared and/or analyzed with a specific batch.

C. Complete details on additional method control samples are listed in each analytical SOP.

## 22.5) Acceptance Criteria (Quality Control Limits)

As mandated by the test method and/or regulation, each individual analyte in the QC is evaluated against the control limits published in the test method. Where there are no established acceptance criteria, the laboratory calculates in-house control limits with the use of control charts or, in some cases, utilizes client project specific control limits. When this occurs, the regulatory or project limits will supersede the laboratory's in-house limits.

A. **Note:** For methods, analytes and matrices with very limited data (e.g., unusual matrices not analyzed often), interim limits are established using available data or by analogy to similar methods or matrices.

B. Once control limits have been established, they are verified, reviewed, and updated if necessary on an annual basis unless the method requires more frequent updating. Control limits are established per method regardless of the number of instruments utilized.

C. SOP No. *33613, Internal Quality Control Checks*

1. Laboratory generated % Recovery acceptance (control) limits are generally established by taking  $\pm 3$  Standard Deviations (99% confidence level) from the average recovery of a minimum of 20-30 data

points (more points are preferred).

2. Regardless of the calculated limit, the limit should be no tighter than the Calibration Verification (ICV/CCV). (Unless the analytical method specifies a tighter limit).
  3. In-house limits cannot be any wider than those mandated in a regulated analytical method. Client or contract required control limits are evaluated against the laboratory's statistically derived control limits to determine if the data quality objectives (DQOs) can be achieved. If laboratory control limits are not consistent with DQOs, then alternatives must be considered, such as method improvements or use of an alternate analytical method.
  4. The lowest acceptable recovery limit will be 10% (the analyte must be detectable and identifiable).
  5. See SOP No. [33613](#) for other acceptable ranges.
- D. A **LCS** that is within the acceptance criteria establishes that the analytical system is in control and is used to validate the process. Samples that are analyzed with an LCS with recoveries outside of the acceptance limits may be determined as out of control and should be reanalyzed if possible. If reanalysis is not possible, then the results for all affected analytes for samples within the same batch must be qualified when reported. The internal corrective action process (see Section 10) is also initiated if an LCS exceeds the acceptance limits. Sample results may be qualified and reported without reanalysis if:
1. The analyte results are below the reporting limit and the LCS is above the upper control limit.
  2. If the analytical results are above the relevant regulatory limit and the LCS is below the lower control limit.
- E. If the **MS/MSDs** do not meet acceptance limits, the MS/MSD and the associated spiked sample is reported with a qualifier for those analytes that do not meet limits. If obvious preparation errors are suspected, or if requested by the client, unacceptable MS/MSDs are reprocessed and reanalyzed to prove matrix interference.
- F. If a **surrogate** standard falls outside the acceptance limits, and if there is not obvious chromatographic matrix interference, reanalyze the sample to confirm a possible matrix effect. If the recoveries confirm or there was obvious chromatographic interference, results are reported from the original analysis and a qualifier is added. If the reanalysis meets surrogate recovery criteria, the second run is reported (or both are reported if requested by the client).

## 22.5) Marginal Exceedance

- A. Marginal exceedances (ME) are recovery values between 3 SD and 4 SD from the mean recovery limit.
- B. Marginal exceedances must be random. If the same analyte exceeds the LCS control limit repeatedly, it is an indication of a systematic problem. The source of the error must be located and corrective action taken. Though marginal exceedance may be allowed, the data must still be qualified to indicate it is outside of the normal limits.
- C. For TNI and DoD/DOE work, there are an allowable number of Marginal Exceedances.
  1. **Note:** Some methods/regulations may not allow the use of ME.

Number of Analytes	Number of Marginal Exceedances Allowed
< 11 analytes	0 marginal exceedances are allowed.
11-30 analytes	1 marginal exceedance is allowed.
31-50 analytes	2 marginal exceedances are allowed.
51-70 analytes	3 marginal exceedances are allowed.
71-90 analytes	4 marginal exceedances are allowed.
> 90 analytes	5 marginal exceedances are allowed.

- D. See SOP No. [33613](#), *Internal Quality Control Checks*, Section 12.1.

## 23) REPORTING RESULTS

### 23.1) Overview

- A. The results of each test are reported accurately, clearly, unambiguously, and objectively in accordance with State and Federal regulations as well as client requirements. Analytical results are issued in a format that is intended to satisfy customer and laboratory accreditation requirements as well as provide the end user with the information needed to properly evaluate the results. Where there is conflict between client requests and laboratory ethics or regulatory requirements, the laboratory's ethical and legal requirements are paramount, and the laboratory will work with the client during project set up to develop an acceptable solution.
- B. A variety of report formats are available to meet specific needs.

### 23.2) Test Reports

- A. At a minimum, the standard laboratory report shall contain the following information:
  1. A report title (e.g., Analytical Report).
  2. The cover page shall include the laboratory name, address and telephone number.
  3. A unique identification of the report (e.g., Eurofins Calscience Job ID #) and on each page an identification in order to ensure the page is recognized as part of the report and a clear identification of the end.
    - a. **Note:** Page numbers of report are represented as page # of ##. Where the first number is the page number and the second is the total number of pages.
  4. A copy of the chain of custody (COC), including Subcontract and/or Workshare COCs.
  5. The name and address of client and a project name/number, if applicable.
  6. Client project manager or other contact.
  7. Description and unambiguous identification of the tested sample(s) including the client identification code.
  8. Date of receipt of sample, date and time of collection, date(s) of test preparation and performance, and time of preparation or analysis if the required holding time for either activity is less than or equal to 72 hours.
  9. Release Date, or date of revision (when applicable).
  10. Method used (EPA ###, Standard Methods ####, etc.).
  11. Reporting limit.
  12. Method detection limits (if requested)
  13. Definition of Data qualifiers and reporting acronyms.
  14. Sample results.
  15. Batch QC data.
  16. Condition of samples at receipt including temperature.
  17. A statement to the effect that the results relate only to the items tested and the sample as received by the laboratory, except when information is provided by the client. When data is provided by the

client there shall be a clear identification of it, and a disclaimer shall be put in the report when the client supplied data can affect the validity of the test.

18. A statement that the report shall not be reproduced except in full, without prior express written approval by the laboratory.
19. A signature and title of the person(s) accepting responsibility for the content of the report and date of release. Authorized signatories are designated Project Managers.
20. A narrative to the report that explains any noncompliant data and (where applicable) action(s) taken (e.g. repreparation, reanalysis).
21. When soil samples are analyzed, a specific identification as to whether soils are reported on a "wet weight" or "dry weight" basis.
22. Laboratory certification number for the state of origin of the sample, if applicable.
23. If only part of the report is provided to the client (client requests some results before all of it is complete), it must be clearly indicated on the report (e.g., partial report). A complete report must be sent once all of the work has been completed.
24. Any subcontracted analysis results are provided as an attachment of the subcontract laboratory's report. All subcontract or workshare testing is clearly identified on the report as to which laboratory performed which analysis.
25. A Certification Summary Report, where required, will document that, unless otherwise noted, all analytes tested and reported by the laboratory were covered by the noted certifications.

### **23.3) Reporting Level or Report Type**

- A. The type and format of the Analysis report is designed to accommodate each type of environmental test carried out and to minimize the possibility of misunderstanding or misuse of the data. The laboratory offers four levels of quality control reporting. Each level, in addition to its own specific requirements, contains all the information provided in the preceding level.
- B. The packages provide the following information:
  1. Level 2 is a basic sample results report noting any data qualification and QC summary information.
  2. Level 3 contains all the information supplied in Level 2, but presented on the CLP-like summary forms, and relevant calibration information. No raw data is provided.
  3. Level 4 is the same as Level 3 with the addition of all raw supporting data.
- C. Various formatter options are available with the report types. These are designed to meet program and/or client specific requirements. The formatters define such parameters as reporting to the MDL/DL vs LOQ/RL, flags and qualifier types (e.g., DoD, state specific). The laboratory also offers reports in an electronic data deliverable (EDD) formats.

### **23.4) Electronic Data Deliverable (EDD)**

- A. A variety of EDDs are available. EDD formats include, but are not limited to, Environmental Restoration Information Management Systems (ERPIMS), Staged Electronic Data Deliverable (SEDD), Environmental Quality Information System (EQuIS), Electronic Deliverable Format (EDF), Excel and custom files, etc.

### **23.5) Amendments to Test Reports**

- A. Corrections, additions, or deletions to final issued reports are only made when justification arises through supplemental documentation. Investigation into any laboratory caused data change is documented using the laboratory's corrective action system.
- B. Copies of all Final versions of a report are maintained in LIMS. Any revisions are identified with a revision # in the file name and on the report cover page. The date that the version was generated is also identified on the cover page.

C. Further detail on the revision is provided in the report narrative. This detail includes the date of the original report and the reason for the revision. Example explanatory text is, *"The report being provided is a revision of the original report sent on 5/4/2022. The report (revision 1) is being revised due to correction to QC data for method ####."*

### 23.5.1) Policy on Data Omissions or Reporting Limit Increases

A. Eurofins policy is simply to not omit previously reported results (including data qualifiers) or to not raise reporting limits and report sample results as ND.

B. This policy has the following exceptions:

1. Laboratory error.
2. Sample identification is unclear (discrepancy between COC and sample labels).
3. An incorrect analysis (not analyte) was requested (e.g., COC lists 8315 but client wanted 8310); documented request for the change is required.
4. Incorrect limits reported based on regulatory requirements.
5. The requested change has absolutely *no possible* impact on the interpretation of the analytical results and there is *no possibility* of the change being interpreted as misrepresentation by anyone inside or outside of our company.

### 23.5.2) Multiple Reports

A. The laboratory does not issue multiple reports for the sample work order where there is different information on each report.

## 24) APPENDICES

- A. Appendix 1 -- Definitions
- B. Appendix 2 -- Organizational Chart

### 24.1) References

A. The QAM has been prepared to be consistent with the requirements of the following documents:


1. ANSI/ASQC, E4-1994, "Specifications and Guidelines for Quality Management Systems for Environmental Data Collection and Environmental Technology Programs" (American National Standard, January 5, 1995, or most recent version).
2. "EPA Requirements for Quality Management Programs" (QA/R-2) (EPA/240/B-01/002, May 31, 2006).
3. EPA 600/4-88/039, *Methods for the Determination of Organic Compounds in Drinking Water*, EPA, Revised July 1991.
4. EPA 600/R-95/131, *Methods for the Determination of Organic Compounds in Drinking Water*, Supplement III, EPA, August 1995.
5. EPA 600/4-79-019, *Handbook for Analytical Quality Control in Water and Wastewater Laboratories*, EPA, March 1979.
6. *Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)*, current editions.
7. *U.S. Department of Defense (DoD)/Department of Energy (DOE) Consolidated Quality Systems Manual (QSM) for Environmental Laboratories*, current version.
8. Federal Register, 40 CFR Parts 136, 141, 172, 173, 178, 179 and 261.



9. *Statement of Work for Inorganics & Organics Analysis, SOM and ISM*, current versions, USEPA Contract Laboratory Program Multi-media, Multi-concentration.
10. APHA, *Standard Methods for the Examination of Water and Wastewater*, current edition.
11. Toxic Substances Control Act (TSCA).

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End of document

 Version	Approval	Revision information
10	22.FEB.2022	Add Business Unit Manager and Laboratory Director as document approvers.
10.1	24.AUG.2023	Change section 5.6 to refer to the Reagents and Standards SOP.
11	04.SEP.2024	Entire document change to NBLSC template to include DoD requirements.



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: **8/1/2023**

Expiration Date: **7/31/2025**

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: 7/31/2025**

**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>Hyalella</i> spp.)	EPA-821-R-02-012, Static
113.015	017B	Amphipod ( <i>Hyalella</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 10/1/2024, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

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
<b>Field of Accreditation:126 - Microbiological Methods for Ambient Water</b>			
126.102	001	Total Coliform (Enumeration)	SM 9221 B-2014
126.104	001	Fecal Coliform (Enumeration)	SM 9221 E-2014



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

**Weck Laboratories, Inc.**

14859 East Clark Avenue

City of Industry, CA 91745

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.: **1132**

Effective Date: **4/1/2024**

Expiration Date: **3/31/2026**

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**



**Weck Laboratories, Inc.**

14859 East Clark Avenue  
City of Industry, CA 91745  
Phone: 6263362139

**Certificate Number: 1132  
Expiration Date: 3/31/2026**

**Field of Accreditation:101 - Microbiology of Drinking Water**

101.010 001	Heterotrophic Bacteria	SM 9215 B
101.010 002	Heterotrophic Bacteria	SimPlate
101.020 004	Total Coliform (Enumeration)	SM 9221 B,C
101.020 005	Fecal Coliform (Enumeration)	SM 9221 B,E
101.020 006	E. coli (Enumeration)	SM 9221 B,F
101.050 001	Total Coliform P/A	SM 9223 B Colilert
101.050 002	E. coli P/A	SM 9223 B Colilert
101.050 003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050 004	E. coli (Enumeration)	SM 9223 B Colilert
101.050 005	Total Coliform P/A	SM 9223 B Colilert 18
101.050 006	E. coli P/A	SM 9223 B Colilert 18
101.050 007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050 008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050 009	Total Coliform P/A	SM 9223 B Colisure
101.050 010	E. coli P/A	SM 9223 B Colisure
101.140 001	Enterococci	SM 9230 B
101.170 001	Enterococci	Enterolert

**Field of Accreditation:102 - Inorganic Chemistry of Drinking Water**

102.020 001	Turbidity	EPA 180.1
102.026 001	Calcium	EPA 200.7
102.026 002	Magnesium	EPA 200.7
102.026 003	Potassium	EPA 200.7
102.026 004	Silica	EPA 200.7
102.026 005	Sodium	EPA 200.7
102.026 006	Hardness (Calculation)	EPA 200.7
102.030 001	Bromide	EPA 300.0
102.030 003	Chloride	EPA 300.0
102.030 005	Fluoride	EPA 300.0
102.030 006	Nitrate (as N)	EPA 300.0
102.030 007	Nitrite (as N)	EPA 300.0
102.030 009	Sulfate (as SO4)	EPA 300.0
102.040 001	Bromide	EPA 300.1
102.040 002	Chlorite	EPA 300.1

As of 6/12/2024 , this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

102.040	003	Chlorate	EPA 300.1
102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.050	001	Cyanide, Total	EPA 335.4
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite (as N)	EPA 353.2
102.070	001	Phosphate,Ortho (as P)	EPA 365.1
102.086	001	Dissolved Organic Carbon (DOC)	EPA 415.3 Revision 1.2
102.086	002	Specific UV Absorbance SUVA	EPA 415.3 Revision 1.2
102.086	003	Organic Carbon-Total (TOC)	EPA 415.3 Revision 1.2
102.086	004	UV254	EPA 415.3 Revision 1.2
102.090	001	Bromate	EPA 557
102.100	001	Alkalinity	SM 2320 B-1997
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
102.180	001	Chlorine Dioxide	SM 4500-ClO2 D-2000
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000
102.280	001	UV254	SM 5910 B-2011
102.570	001	Cyanide, Free	OIA-1677, DW

**Field of Accreditation:103 - Toxic Chemical Elements of Drinking Water**

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8

103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.140	019	Strontium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium VI (Hexavalent Chromium)	EPA 218.6
103.311	001	Chromium VI (Hexavalent Chromium)	EPA 218.7

**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
104.200	002	1,1,1-Trichloroethane	EPA 524.2
104.200	003	1,1,2,2-Tetrachloroethane	EPA 524.2
104.200	004	1,1,2-Trichloroethane	EPA 524.2
104.200	005	1,1-Dichloroethane	EPA 524.2
104.200	006	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.200	007	1,2,3-Trichlorobenzene	EPA 524.2
104.200	008	1,2,4-Trichlorobenzene	EPA 524.2
104.200	009	1,2,4-Trimethylbenzene	EPA 524.2
104.200	010	1,2-Dichlorobenzene	EPA 524.2
104.200	011	1,2-Dichloroethane (Ethylene Dichloride)	EPA 524.2
104.200	012	1,2-Dichloropropane	EPA 524.2
104.200	013	1,3,5-Trimethylbenzene	EPA 524.2
104.200	014	1,3-Dichlorobenzene	EPA 524.2
104.200	015	1,4-Dichlorobenzene	EPA 524.2
104.200	016	2-Chlorotoluene	EPA 524.2
104.200	017	4-Chlorotoluene	EPA 524.2
104.200	018	Benzene	EPA 524.2
104.200	019	Carbon Disulfide	EPA 524.2
104.200	020	Carbon Tetrachloride	EPA 524.2
104.200	021	Chlorobenzene	EPA 524.2
104.200	022	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.200	023	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.200	024	Dichlorodifluoromethane	EPA 524.2
104.200	025	Dichloromethane (Methylene Chloride)	EPA 524.2



104.200	027	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.200	028	Ethylbenzene	EPA 524.2
104.200	029	Isopropylbenzene	EPA 524.2
104.200	030	Methyl isobutyl ketone (MIBK, 4-Methyl-2-pentanone)	EPA 524.2
104.200	031	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.200	032	Naphthalene	EPA 524.2
104.200	033	n-Butylbenzene	EPA 524.2
104.200	034	N-propylbenzene	EPA 524.2
104.200	035	sec-Butylbenzene	EPA 524.2
104.200	036	Styrene	EPA 524.2
104.200	037	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 524.2
104.200	038	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.200	039	tert-Butylbenzene	EPA 524.2
104.200	040	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.200	041	Toluene	EPA 524.2
104.200	042	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2
104.200	043	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 524.2
104.200	044	Trichloroethylene (Trichloroethene)	EPA 524.2
104.200	045	Trichlorofluoromethane	EPA 524.2
104.200	046	Trichlorotrifluoroethane	EPA 524.2
104.200	047	Vinyl Chloride	EPA 524.2
104.200	102	m+p-Xylene	EPA 524.2
104.200	103	o-Xylene	EPA 524.2
104.200	201	Bromodichloromethane	EPA 524.2
104.200	202	Bromoform	EPA 524.2
104.200	203	Chloroform	EPA 524.2
104.200	204	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.205	301	1,2-Dibromoethane (EDB)	EPA 524.3
104.205	302	1,2-Dibromo-3-chloropropane (DBCP)	EPA 524.3
104.210	001	1,1,1,2-Tetrachloroethane	EPA 524.4
104.210	002	1,1,1-Trichloroethane	EPA 524.4
104.210	003	1,1,2,2-Tetrachloroethane	EPA 524.4
104.210	004	1,1,2-Trichloroethane	EPA 524.4
104.210	005	1,1-Dichloroethane	EPA 524.4
104.210	006	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.4
104.210	007	1,2,3-Trichlorobenzene	EPA 524.4
104.210	008	1,2,4-Trichlorobenzene	EPA 524.4
104.210	009	1,2,4-Trimethylbenzene	EPA 524.4
104.210	010	1,2-Dichlorobenzene	EPA 524.4
104.210	011	1,2-Dichloroethane (Ethylene Dichloride)	EPA 524.4
104.210	012	1,2-Dichloropropane	EPA 524.4
104.210	013	1,3,5-Trimethylbenzene	EPA 524.4

104.210	014	1,3-Dichlorobenzene	EPA 524.4
104.210	015	1,4-Dichlorobenzene	EPA 524.4
104.210	016	2-Chlorotoluene	EPA 524.4
104.210	017	4-Chlorotoluene	EPA 524.4
104.210	018	Benzene	EPA 524.4
104.210	019	Carbon Disulfide	EPA 524.4
104.210	020	Carbon Tetrachloride	EPA 524.4
104.210	021	Chlorobenzene	EPA 524.4
104.210	022	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.4
104.210	023	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.4
104.210	024	Dichlorodifluoromethane	EPA 524.4
104.210	025	Dichloromethane (Methylene Chloride)	EPA 524.4
104.210	026	Diisopropyl ether (DIPE)	EPA 524.4
104.210	027	Ethyl tert-butyl Ether (ETBE)	EPA 524.4
104.210	028	Ethylbenzene	EPA 524.4
104.210	029	Isopropylbenzene	EPA 524.4
104.210	031	Methyl tert-butyl Ether (MTBE)	EPA 524.4
104.210	032	Naphthalene	EPA 524.4
104.210	033	n-Butylbenzene	EPA 524.4
104.210	034	N-propylbenzene	EPA 524.4
104.210	035	sec-Butylbenzene	EPA 524.4
104.210	036	Styrene	EPA 524.4
104.210	037	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 524.4
104.210	038	tert-Amyl Methyl Ether (TAME)	EPA 524.4
104.210	039	tert-Butylbenzene	EPA 524.4
104.210	040	Tetrachloroethylene (Tetrachloroethene)	EPA 524.4
104.210	041	Toluene	EPA 524.4
104.210	042	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.4
104.210	043	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 524.4
104.210	044	Trichloroethylene (Trichloroethene)	EPA 524.4
104.210	045	Trichlorofluoromethane	EPA 524.4
104.210	046	Trichlorotrifluoroethane	EPA 524.4
104.210	047	Vinyl Chloride	EPA 524.4
104.210	102	m+p-Xylene	EPA 524.4
104.210	103	o-Xylene	EPA 524.4
104.210	201	Bromodichloromethane	EPA 524.4
104.210	202	Bromoform	EPA 524.4
104.210	203	Chloroform	EPA 524.4
104.210	204	Dibromochloromethane (Chlorodibromomethane)	EPA 524.4

**Field of Accreditation:105 - Semi-volatile Organic Chemistry of Drinking Water**

105.050	005	Chlordane (total)	EPA 508.1
105.050	010	Endrin	EPA 508.1

105.050	011	Heptachlor	EPA 508.1
105.050	012	Heptachlor Epoxide	EPA 508.1
105.050	013	Hexachlorobenzene	EPA 508.1
105.050	014	Hexachlorocyclopentadiene	EPA 508.1
105.050	015	Lindane (HCH-gamma)	EPA 508.1
105.050	016	Methoxychlor	EPA 508.1
105.050	019	Propachlor	EPA 508.1
105.050	021	PCB-1016 (Aroclor-1016)	EPA 508.1
105.050	022	PCB-1221 (Aroclor-1221)	EPA 508.1
105.050	023	PCB-1232 (Aroclor-1232)	EPA 508.1
105.050	024	PCB-1242 (Aroclor-1242)	EPA 508.1
105.050	025	PCB-1248 (Aroclor-1248)	EPA 508.1
105.050	026	PCB-1254 (Aroclor-1254)	EPA 508.1
105.050	027	PCB-1260 (Aroclor-1260)	EPA 508.1
105.050	028	PCBs as Aroclors	EPA 508.1
105.050	029	Toxaphene	EPA 508.1
105.083	001	2,4-D	EPA 515.4
105.083	002	Dinoseb	EPA 515.4
105.083	003	Pentachlorophenol	EPA 515.4
105.083	004	Picloram	EPA 515.4
105.083	005	2,4,5-TP (Silvex)	EPA 515.4
105.083	006	Dalapon	EPA 515.4
105.083	007	Bentazon	EPA 515.4
105.083	008	Dicamba	EPA 515.4
105.085	001	1,4-Dioxane	EPA 522
105.090	001	Alachlor	EPA 525.2
105.090	002	Aldrin	EPA 525.2
105.090	003	Atrazine	EPA 525.2
105.090	004	Benzo(a)pyrene	EPA 525.2
105.090	005	Butachlor	EPA 525.2
105.090	007	Dieldrin	EPA 525.2
105.090	008	Di(2-ethylhexyl) Adipate	EPA 525.2
105.090	009	Di(2-ethylhexyl) Phthalate	EPA 525.2
105.090	013	Endrin	EPA 525.2
105.090	014	Heptachlor	EPA 525.2
105.090	015	Heptachlor Epoxide	EPA 525.2
105.090	016	Hexachlorobenzene	EPA 525.2
105.090	017	Hexachlorocyclopentadiene	EPA 525.2
105.090	018	Lindane (HCH-gamma)	EPA 525.2
105.090	019	Methoxychlor	EPA 525.2
105.090	022	Molinate	EPA 525.2
105.090	023	Pentachlorophenol	EPA 525.2

105.090	025	Simazine	EPA 525.2
105.090	028	Thiobencarb	EPA 525.2
105.101	001	Carbofuran (Furadan)	EPA 531.2
105.101	002	Oxamyl	EPA 531.2
105.101	003	Aldicarb (Temik)	EPA 531.2
105.101	004	Aldicarb Sulfone	EPA 531.2
105.101	005	Aldicarb Sulfoxide	EPA 531.2
105.101	006	Carbaryl (Sevin)	EPA 531.2
105.101	007	3-Hydroxycarbofuran	EPA 531.2
105.101	008	Methomyl (Lannate)	EPA 531.2
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
105.106	002	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	EPA 537.1
105.106	003	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 537.1
105.106	004	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 537.1
105.106	005	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	EPA 537.1
105.106	006	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	EPA 537.1
105.106	007	Perfluorobutane Sulfonic Acid (PFBS)	EPA 537.1

105.106	008	Perfluorodecanoic Acid (PFDA)	EPA 537.1
105.106	009	Perfluorododecanoic Acid (PFDoA)	EPA 537.1
105.106	010	Perfluoroheptanoic Acid (PFHpA)	EPA 537.1
105.106	011	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 537.1
105.106	012	Perfluorohexanoic Acid (PFHxA)	EPA 537.1
105.106	013	Perfluorononanoic Acid (PFNA)	EPA 537.1
105.106	014	Perfluorooctanoic Acid (PFOA)	EPA 537.1
105.106	015	Perfluorooctane Sulfonic Acid (PFOS)	EPA 537.1
105.106	016	Perfluorotetradecanoic Acid (PFTeDA)	EPA 537.1
105.106	017	Perfluorotridecanoic Acid (PFTrDA)	EPA 537.1
105.106	018	Perfluoroundecanoic Acid (PFUnDA)	EPA 537.1
105.107	001	Microcystin-LA	EPA 544
105.107	002	Microcystin-LF	EPA 544
105.107	003	Microcystin-LR	EPA 544
105.107	004	Microcystin-LY	EPA 544
105.107	005	Microcystin-RR	EPA 544
105.107	006	Microcystin-YR	EPA 544
105.107	007	Nodularin-R	EPA 544
105.108	001	Anatoxin-A	EPA 545
105.108	002	Cylindrospermopsin	EPA 545
105.109	001	Total microcystins	EPA 546
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.201	003	Bromoacetic Acid	EPA 552.3
105.201	004	Chloroacetic Acid	EPA 552.3
105.201	005	Dibromoacetic Acid	EPA 552.3
105.201	006	Dichloroacetic Acid	EPA 552.3
105.201	007	Trichloroacetic Acid	EPA 552.3
105.215	003	Bromoacetic Acid	EPA 557
105.215	004	Chloroacetic Acid	EPA 557
105.215	006	Dibromoacetic Acid	EPA 557
105.215	007	Dichloroacetic Acid	EPA 557
105.215	008	Trichloroacetic Acid	EPA 557
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screening Only	EPA 1613 B

**Field of Accreditation:106 - Radionuclides in Drinking Water**

106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.092	001	Uranium	EPA 200.8
106.270	001	Gross Alpha	SM 7110 C

**Field of Accreditation:107 - Microbiological Methods for Non-Potable Water and Sewage Sludge**

107.001	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
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107.001	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
107.001	003	E. coli (Enumeration)	SM 9221 C,F-2006
107.007	002	Fecal Streptococci	SM 9230 B-2007
107.013	001	E. coli (Enumeration)	SM 9223 B-2004 Collert
107.015	001	E. coli (Enumeration)	SM 9223 B-2004 Collert 18
107.015	002	Fecal Coliform (Enumeration)	SM 9223 B-2004 Collert 18
107.017	001	Enterococci	Enterolert

**Field of Accreditation:108 - Inorganic Constituents in Non-Potable Water**

108.007	001	Residue, Volatile	EPA 160.4
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	008	Sulfate (as SO4)	EPA 300.0
108.019	001	Bromide	EPA 300.1
108.023	001	Cyanide, Total	EPA 335.4
108.025	001	Ammonia (as N)	EPA 350.1
108.029	001	Kjeldahl Nitrogen,Total (as N)	EPA 351.2
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2
108.033	002	Nitrite (as N)	EPA 353.2
108.035	001	Phosphate,Ortho (as P)	EPA 365.1
108.035	002	Phosphorus,Total	EPA 365.1
108.037	001	Phosphate,Ortho (as P)	EPA 365.3
108.037	002	Phosphorus,Total	EPA 365.3
108.045	001	Chemical Oxygen Demand	EPA 410.4
108.049	001	Phenols, Total	EPA 420.4
108.053	002	Oil & Grease, Total Recoverable	EPA 1664 B
108.055	001	Color	SM 2120 B-2011
108.063	001	Alkalinity	SM 2320 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
108.077	001	Residue, Volatile	SM 2540 E-2011
108.077	002	Residue, Fixed Filterable (FDS)	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.080	001	Temperature	SM 2550 B-2010
108.114	001	Chlorine, Total Residual	SM 4500-CI G-2011
108.114	002	Chlorine, Free	SM 4500-CI G-2011
108.129	001	Cyanide, Available	SM 4500-CN G-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011
108.189	001	Sulfite (as SO3)	SM 4500-SO3 B-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
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011
108.225	001	Surfactants	SM 5540 C-2011
108.226	001	Non-ionic Surfactants as CTAS	SM 5540 D-2011
108.320	001	Cyanide, Total	ASTM D7511-12(17)
108.321	001	Cyanide, Total	ASTM D7511-12
108.339	001	Cyanide, Available	OIA-1677-09

**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
109.657	001	Mercury	EPA 1631 E
109.800	001	Tributyltin	SM 6710 B - 2011

**Field of Accreditation: 110 - Volatile Organic Constituents in Non-Potable Water**

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	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	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
110.070	002	n-Amyl Acetate	EPA 1666 A
110.070	004	n-Butyl Acetate	EPA 1666 A
110.070	005	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 1666 A
110.070	006	Diethylamine	EPA 1666 A
110.070	007	Dimethyl Sulfoxide	EPA 1666 A
110.070	009	Ethyl Acetate	EPA 1666 A
110.070	010	n-Heptane	EPA 1666 A
110.070	011	n-Hexane	EPA 1666 A
110.070	012	Isobutyraldehyde	EPA 1666 A
110.070	013	Isopropyl Acetate	EPA 1666 A
110.070	014	Isopropyl Alcohol (Isopropanol)	EPA 1666 A
110.070	015	Isopropyl Ether (DIPE)	EPA 1666 A
110.070	017	2-Methoxyethanol	EPA 1666 A

110.070	018	Methyl Formate	EPA 1666 A
110.070	019	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 1666 A
110.070	021	Tetrahydrofuran	EPA 1666 A
110.070	022	Triethylamine	EPA 1666 A
110.070	024	o-Xylene	EPA 1666 A
110.070	026	m+p-Xylene	EPA 1666 A

**Field of Accreditation: 111 - Semi-volatile Organic Constituents in Non-Potable Water**

111.055	001	Aldrin	EPA 608.3
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	060	Toxaphene	EPA 608.3
111.120	001	2,4-D	EPA 615
111.120	002	2,4-DB	EPA 615
111.120	003	Dicamba	EPA 615
111.120	004	Dichloroprop	EPA 615
111.120	005	Dinoseb	EPA 615
111.120	006	MCPA	EPA 615
111.120	007	MCPP	EPA 615
111.120	008	2,4,5-T	EPA 615
111.120	009	2,4,5-TP (Silvex)	EPA 615

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	056	Azinphos Methyl	EPA 625.1
111.160	073	Chlorpyrifos	EPA 625.1
111.160	079	Demeton-O	EPA 625.1
111.160	080	Demeton-S	EPA 625.1
111.160	081	Diazinon	EPA 625.1
111.160	082	Dichlorvos (DDVP)	EPA 625.1
111.160	085	Disulfoton	EPA 625.1
111.160	092	Ethoprop	EPA 625.1
111.160	098	Hexachlorocyclopentadiene	EPA 625.1
111.160	100	Malathion	EPA 625.1
111.160	130	Stirophos (Tetrachlorovinphos)	EPA 625.1
111.160	140	Carbazole	EPA 625.1
111.160	141	o-Cresol	EPA 625.1
111.160	147	m+p-Cresol	EPA 625.1
111.210	006	Diuron	EPA 632
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	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
111.260	041	N-nitrosodimethylamine	EPA 1625 B
111.260	042	N-nitroso-di-n-propylamine	EPA 1625 B
111.265	001	Perfluorobutanoic Acid (PFBA)	EPA 1633
111.265	002	Perfluoropentanoic Acid (PFPeA)	EPA 1633
111.265	003	Perfluorohexanoic Acid (PFHxA)	EPA 1633
111.265	004	Perfluoroheptanoic Acid (PFHpA)	EPA 1633
111.265	005	Perfluorooctanoic Acid (PFOA)	EPA 1633
111.265	006	Perfluorononanoic Acid (PFNA)	EPA 1633
111.265	007	Perfluorodecanoic Acid (PFDA)	EPA 1633
111.265	008	Perfluoroundecanoic Acid (PFUnDA)	EPA 1633
111.265	009	Perfluorododecanoic Acid (PFDoA)	EPA 1633
111.265	010	Perfluorotridecanoic Acid (PFTrDA)	EPA 1633
111.265	011	Perfluorotetradecanoic Acid (PFTeDA)	EPA 1633
111.265	012	Perfluorobutane Sulfonic Acid (PFBS)	EPA 1633
111.265	013	Perfluoropentane Sulfonic Acid (PFPeS)	EPA 1633
111.265	014	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 1633
111.265	015	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 1633
111.265	016	Perfluorooctane Sulfonic Acid (PFOS)	EPA 1633
111.265	017	Perfluorononane Sulfonic Acid (PFNS)	EPA 1633
111.265	018	Perfluorodecane Sulfonic Acid (PFDS)	EPA 1633
111.265	019	Perfluorododecanesulfonic acid (PFDoS)	EPA 1633
111.265	020	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	EPA 1633
111.265	021	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	EPA 1633
111.265	022	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	EPA 1633
111.265	023	Perfluorooctane Sulfonamide (PFOSAm)	EPA 1633
111.265	024	N-Methylperfluorooctane Sulfonamide (NMeFOSA)	EPA 1633
111.265	025	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	EPA 1633
111.265	026	N-Methylperfluorooctane Sulfonamido Acetic Acid (NMeFOSAA)	EPA 1633
111.265	027	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEtFOSAA)	EPA 1633
111.265	028	N-Methylperfluorooctane Sulfonamido Ethanol (NMeFOSE)	EPA 1633
111.265	029	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOSE)	EPA 1633
111.265	030	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	EPA 1633
111.265	031	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	EPA 1633
111.265	032	Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA 1633
111.265	033	Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA 1633
111.265	034	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	EPA 1633
111.265	035	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	EPA 1633

111.265	036	11-Chloroheicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	EPA 1633
111.265	037	Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	EPA 1633
111.265	038	2H,2H,3H,3H-Perfluorohexanoic Acid (3:3 FTCA)	EPA 1633
111.265	039	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	EPA 1633
111.265	040	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	EPA 1633
111.265	041	Perfluorohexadecanoic Acid (PFHxDA)	EPA 1633
111.345	001	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEIFOSAA)	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 (PFTeDA)	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-Chloroheicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	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)
111.440	001	Bisphenol A	ASTM D7065-17
111.440	002	Nonylphenol	ASTM D7065-17
111.440	003	Nonylphenol Monoethoxylate (NP1EO)	ASTM D7065-17
111.440	004	Nonylphenol Diethoxylate (NP2EO)	ASTM D7065-17
111.440	005	p-tert-Octylphenol (OP)	ASTM D7065-17

**Field of Accreditation:112 - Radionuclides in Non-Potable Water**

112.001	001	Gross Alpha	EPA 900.0
112.001	002	Gross Beta	EPA 900.0

**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

114.335 002	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
114.465 001	Chromium VI (Hexavalent Chromium)	EPA 7199
114.535 001	Mercury	EPA 7471 A
114.745 001	Fluoride	EPA 9056

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**Field of Accreditation:115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste**


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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

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**Field of Accreditation:116 - Volatile Organic Compounds in Hazardous Waste**


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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	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

**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
117.255	012	Ethanol	EPA 8015 B
117.255	020	Methanol	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
117.405	001	Azinphos Methyl	EPA 8141 A
117.405	002	Chlorpyrifos	EPA 8141 A
117.405	003	Demeton-O	EPA 8141 A
117.405	004	Demeton-S	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
117.425	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
117.425	011	4-Nitrophenol	EPA 8151 A
117.425	012	Pentachlorophenol	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	030	1-Chloronaphthalene	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	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	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
117.575	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-Chloroicoasafluoro-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 (PFTeDA)	DoD QSM Version 5.1 (or newer)
117.575	030	Perfluorotridecanoic Acid (PFTrDA)	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	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-dioxahexanoic 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:126 - Microbiological Methods for Ambient Water**

126.003	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
126.003	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
126.015	001	E. coli (Enumeration)	SM 9223 B-2004 Collert
126.017	001	E. coli (Enumeration)	SM 9223 B-2004 Collert 18
126.019	001	Enterococci	Enterolert

**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
130.030	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
130.170	001	Chromium VI (Hexavalent Chromium)	EPA 7199
130.250	001	Mercury	EPA 7470 A
130.555	001	Total Organic Halides	EPA 9076

**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)**

132.060	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	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
132.080	001	Acrylamide	EPA 8316

**Field of Accreditation: 133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)**

133.010	002	Diesel Range Organics (DRO)	EPA 8015 B
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
133.190	001	Azinphos Methyl	EPA 8141 A
133.190	002	Chlorpyrifos	EPA 8141 A
133.190	003	Demeton-O	EPA 8141 A
133.190	004	Demeton-S	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
133.220	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
133.220	011	4-Nitrophenol	EPA 8151 A
133.220	012	Pentachlorophenol	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	030	1-Chloronaphthalene	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	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	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
133.280	001	Acetaldehyde	EPA 8315 A
133.280	010	Formaldehyde	EPA 8315 A
133.290	001	Aldicarb (Temik)	EPA 8318
133.290	002	Aldicarb Sulfone	EPA 8318
133.290	003	Carbaryl (Sevin)	EPA 8318
133.290	004	Carbofuran (Furadan)	EPA 8318
133.290	006	3-Hydroxycarbofuran	EPA 8318
133.290	007	Methiocarb (Mesurol)	EPA 8318
133.290	008	Methomyl (Lannate)	EPA 8318
133.290	009	Oxamyl	EPA 8318
133.290	011	Propoxur (Baygon)	EPA 8318
133.320	001	Aldicarb (Temik)	EPA 8321 A
133.320	002	Aldicarb Sulfone	EPA 8321 A
133.320	003	Aldicarb Sulfoxide	EPA 8321 A
133.320	004	Carbaryl (Sevin)	EPA 8321 A
133.320	005	Carbofuran (Furadan)	EPA 8321 A
133.320	007	Methiocarb (Mesurol)	EPA 8321 A
133.320	008	Methomyl (Lannate)	EPA 8321 A
133.320	009	Oxamyl	EPA 8321 A
133.320	011	Propoxur (Baygon)	EPA 8321 A
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
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-Chloroicosafafluoro-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 (PFTeDA)	DoD QSM Version 5.1 (or newer)
133.380	030	Perfluorotridecanoic Acid (PFTrDA)	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 (PFEEESA)	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

**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: **11/1/2024**

Expiration Date: **10/31/2026**

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: 10/31/2026**

**Field of Accreditation:101 - Microbiology of Drinking Water**

101.010 001	Heterotrophic Bacteria	SM 9215 B
101.010 002	Heterotrophic Bacteria	SimPlate
101.020 004	Total Coliform (Enumeration)	SM 9221 B,C
101.020 005	Fecal Coliform (Enumeration)	SM 9221 B,E
101.020 006	E. coli (Enumeration)	SM 9221 B,F
101.050 001	Total Coliform P/A	SM 9223 B Colilert
101.050 002	E. coli P/A	SM 9223 B Colilert
101.050 003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050 004	E. coli (Enumeration)	SM 9223 B Colilert
101.050 005	Total Coliform P/A	SM 9223 B Colilert 18
101.050 006	E. coli P/A	SM 9223 B Colilert 18
101.050 007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050 008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050 009	Total Coliform P/A	SM 9223 B Colisure
101.050 010	E. coli P/A	SM 9223 B Colisure
101.050 011	Total Coliform (Enumeration)	SM 9223 B Colisure
101.050 012	E. coli (Enumeration)	SM 9223 B Colisure

**Field of Accreditation:102 - Inorganic Chemistry of Drinking Water**

102.015 001	Hydrogen Ion (pH)	EPA 150.1
102.020 001	Turbidity	EPA 180.1
102.026 001	Calcium	EPA 200.7
102.026 002	Magnesium	EPA 200.7
102.026 003	Potassium	EPA 200.7
102.026 004	Silica	EPA 200.7
102.026 005	Sodium	EPA 200.7
102.026 006	Hardness (Calculation)	EPA 200.7
102.030 003	Chloride	EPA 300.0
102.030 005	Fluoride	EPA 300.0
102.030 006	Nitrate (as N)	EPA 300.0
102.030 007	Nitrite (as N)	EPA 300.0
102.030 009	Sulfate (as SO4)	EPA 300.0
102.045 001	Perchlorate	EPA 314.0
102.050 001	Cyanide, Total	EPA 335.4

As of 11/13/2024 , 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
102.100	001	Alkalinity	SM 2320 B-1997
102.120	001	Hardness (Calculation)	SM 2340 B-1997
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	001	Nitrite (as N)	SM 4500-NO3 F-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
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
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8



103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium VI (Hexavalent Chromium)	EPA 218.6

**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
104.200	002	1,1,1-Trichloroethane	EPA 524.2
104.200	003	1,1,2,2-Tetrachloroethane	EPA 524.2
104.200	004	1,1,2-Trichloroethane	EPA 524.2
104.200	005	1,1-Dichloroethane	EPA 524.2
104.200	006	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.200	007	1,2,3-Trichlorobenzene	EPA 524.2
104.200	008	1,2,4-Trichlorobenzene	EPA 524.2
104.200	009	1,2,4-Trimethylbenzene	EPA 524.2
104.200	010	1,2-Dichlorobenzene	EPA 524.2
104.200	011	1,2-Dichloroethane (Ethylene Dichloride)	EPA 524.2
104.200	012	1,2-Dichloropropane	EPA 524.2
104.200	013	1,3,5-Trimethylbenzene	EPA 524.2
104.200	014	1,3-Dichlorobenzene	EPA 524.2
104.200	015	1,4-Dichlorobenzene	EPA 524.2
104.200	016	2-Chlorotoluene	EPA 524.2
104.200	017	4-Chlorotoluene	EPA 524.2
104.200	018	Benzene	EPA 524.2
104.200	019	Carbon Disulfide	EPA 524.2
104.200	020	Carbon Tetrachloride	EPA 524.2
104.200	021	Chlorobenzene	EPA 524.2
104.200	022	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.200	023	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.200	024	Dichlorodifluoromethane	EPA 524.2
104.200	025	Dichloromethane (Methylene Chloride)	EPA 524.2
104.200	027	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.200	028	Ethylbenzene	EPA 524.2
104.200	029	Isopropylbenzene	EPA 524.2
104.200	030	Methyl isobutyl ketone (MIBK, 4-Methyl-2-pentanone)	EPA 524.2
104.200	031	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.200	032	Naphthalene	EPA 524.2
104.200	033	n-Butylbenzene	EPA 524.2

104.200	034	N-propylbenzene	EPA 524.2
104.200	035	sec-Butylbenzene	EPA 524.2
104.200	036	Styrene	EPA 524.2
104.200	037	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 524.2
104.200	038	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.200	039	tert-Butylbenzene	EPA 524.2
104.200	040	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.200	041	Toluene	EPA 524.2
104.200	042	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2
104.200	043	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 524.2
104.200	044	Trichloroethylene (Trichloroethene)	EPA 524.2
104.200	045	Trichlorofluoromethane	EPA 524.2
104.200	046	Trichlorotrifluoroethane	EPA 524.2
104.200	047	Vinyl Chloride	EPA 524.2
104.200	102	m+p-Xylene	EPA 524.2
104.200	103	o-Xylene	EPA 524.2
104.200	201	Bromodichloromethane	EPA 524.2
104.200	202	Bromoform	EPA 524.2
104.200	203	Chloroform	EPA 524.2
104.200	204	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2

**Field of Accreditation:107 - Microbiological Methods for Non-Potable Water and Sewage Sludge**

107.050	001	Total Coliform (Enumeration)	SM 9221 B-2014
107.052	001	Fecal Coliform (Enumeration)	SM 9221 E-2014
107.054	001	E. coli (Enumeration)	SM 9221 F-2014
107.062	001	Enterococci	SM 9230 B-2013
107.062	002	Fecal Streptococci	SM 9230 B-2013
107.068	001	E. coli (Enumeration)	SM 9223 B-2016 Colilert
107.070	001	E. coli (Enumeration)	SM 9223 B-2016 Colilert 18
107.070	002	Fecal Coliform (Enumeration)	SM 9223 B-2016 Colilert 18

**Field of Accreditation:108 - Inorganic Constituents in Non-Potable Water**

108.001	001	Specific Conductance	EPA 120.1
108.007	001	Residue, Volatile	EPA 160.4
108.009	001	Turbidity	EPA 180.1
108.013	001	Calcium	EPA 200.7
108.013	002	Magnesium	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	008	Sulfate (as SO4)	EPA 300.0
108.023	001	Cyanide, Total	EPA 335.4
108.025	001	Ammonia (as N)	EPA 350.1
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2
108.033	002	Nitrite (as N)	EPA 353.2
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
108.055	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
108.069	001	Specific Conductance	SM 2510 B-2011
108.070	001	Residue, Total	SM 2540 B-2015
108.072	001	Residue, Filterable TDS	SM 2540 C-2015
108.074	001	Residue, Non-filterable TSS	SM 2540 D-2015
108.076	001	Residue, Volatile	SM 2540 E-2015
108.076	002	Residue, Fixed Filterable (FDS)	SM 2540 E-2015
108.078	001	Residue, Settleable	SM 2540 F-2015
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.124	001	Cyanide, Total	SM 4500-CN- E-2016
108.131	001	Fluoride	SM 4500-F C-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.147	001	Ammonia (as N)	SM 4500-NH3 G-2011
108.147	002	Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 G-2011
108.158	001	Nitrate-Nitrite (as N)	SM 4500-NO3- F-2016
108.158	002	Nitrite (as N)	SM 4500-NO3- F-2016
108.174	001	Oxygen, Dissolved	SM 4500-O G-2016
108.175	001	Phosphate, Ortho (as P)	SM 4500-P E-2011
108.175	002	Phosphorus, Total	SM 4500-P E-2011
108.184	001	Silica, Dissolved	SM 4500-SiO2 C-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.206	001	Biochemical Oxygen Demand	SM 5210 B-2016

108.206	002	Carbonaceous BOD	SM 5210 B-2016
108.213	001	Chemical Oxygen Demand	SM 5220 D-2011
108.214	001	Organic Carbon-Total (TOC)	SM 5310 B-2014
108.225	001	Surfactants	SM 5540 C-2011

**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	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**

110.040	001	Acetone	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	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	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
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	060	Toxaphene	EPA 608.3
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	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 (NDPA)	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	108	N-nitrosodimethylamine (NDMA)	EPA 625.1
111.160	110	N-nitrosodiphenylamine	EPA 625.1
111.160	140	Carbazole	EPA 625.1
111.160	141	o-Cresol	EPA 625.1
111.160	143	1,2-Diphenylhydrazine	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

**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 1, 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	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	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	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:126 - Microbiological Methods for Ambient Water**

126.102	001	Total Coliform (Enumeration)	SM 9221 B-2014
126.104	001	Fecal Coliform (Enumeration)	SM 9221 E-2014
126.106	001	E. coli (Enumeration)	SM 9221 F-2014
126.118	001	Enterococci	SM 9230 D-2013 Enterolert
126.120	001	E. coli (Enumeration)	SM 9223 B-2016 Colilert
126.122	001	E. coli (Enumeration)	SM 9223 B-2016 Colilert 18

**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
130.520	001	Fluoride	EPA 9214

**Field of Accreditation:131 - Leaching/Extraction, Physical Characteristics in Hazardous Waste (Matrix Aqueous)**

131.010	001	Waste Extraction Test (WET)	CCR Chapter 1, 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)**

133.010 002 Diesel Range Organics (DRO) EPA 8015 B

133.010 003 Diesel Range Organics (DRO) [LUFT Range] EPA 8015 B

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	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	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	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 (NDMA)	EPA 8270 C
133.230	089	N-nitrosodiphenylamine	EPA 8270 C
133.230	090	N-nitroso-di-n-propylamine (NDPA)	EPA 8270 C
133.230	091	Indeno(1,2,3-c,d)pyrene	EPA 8270 C
133.230	092	Isophorone	EPA 8270 C

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133.230	093	2-Methylnaphthalene	EPA 8270 C
133.230	094	Phenanthrene	EPA 8270 C

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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

**EMAX Laboratories, Inc.**

3051 Fujita St.

Torrance, CA 90505

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.: **2672**

Effective Date: **7/1/2023**

Expiration Date: **6/30/2025**

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**



**EMAX Laboratories, Inc.**

3051 Fujita St.  
Torrance, CA 90505  
Phone: 3106188889

**Certificate Number: 2672  
Expiration Date: 6/30/2025**

<b>Field of Accreditation:</b>		<b>102 - Inorganic Chemistry of Drinking Water</b>
102.015	001	Hydrogen Ion (pH) EPA 150.1
102.020	001	Turbidity EPA 180.1
102.026	001	Calcium EPA 200.7
102.026	002	Magnesium EPA 200.7
102.026	003	Potassium EPA 200.7
102.026	005	Sodium EPA 200.7
102.026	006	Hardness (Calculation) EPA 200.7
102.030	001	Bromide EPA 300.0
102.030	002	Chlorate EPA 300.0
102.030	003	Chloride EPA 300.0
102.030	005	Fluoride EPA 300.0
102.030	006	Nitrate (as N) EPA 300.0
102.030	007	Nitrite (as N) EPA 300.0
102.030	008	Phosphate,Ortho (as P) EPA 300.0
102.030	009	Sulfate (as SO4) EPA 300.0
102.045	001	Perchlorate EPA 314.0
102.095	001	Turbidity SM 2130 B-2001
102.100	001	Alkalinity SM 2320 B-1997
102.120	001	Hardness (Calculation) SM 2340 B-1997
102.121	001	Hardness SM 2340 C-1997
102.130	001	Specific Conductance SM 2510 B-1997
102.140	001	Residue, Filterable TDS SM 2540 C-1997
102.150	001	Chloride SM 4110 B-2000
102.150	002	Fluoride SM 4110 B-2000
102.150	003	Nitrate (as N) SM 4110 B-2000
102.150	004	Nitrite (as N) SM 4110 B-2000
102.150	005	Phosphate,Ortho (as P) SM 4110 B-2000
102.150	006	Sulfate (as SO4) SM 4110 B-2000
102.170	001	Chloride SM 4500-Chloride B-1997
102.203	001	Hydrogen Ion (pH) SM 4500-H+ B-2000
102.220	001	Nitrite (as N) SM 4500-NO2 B-2000
102.232	002	Nitrate (as N) SM 4500-NO3- E-2000
102.240	001	Phosphate,Ortho (as P) SM 4500-P E-1999

As of 11/15/2023 , this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000

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**Field of Accreditation:** 103 - Toxic Chemical Elements of Drinking Water
 

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103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium VI (Hexavalent Chromium)	EPA 218.6

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**Field of Accreditation:** 104 - Volatile Organic Chemistry of Drinking Water
 

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104.030	001	1,2-Dibromoethane (EDB)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.200	001	1,1,1,2-Tetrachloroethane	EPA 524.2
104.200	002	1,1,1-Trichloroethane	EPA 524.2
104.200	003	1,1,2,2-Tetrachloroethane	EPA 524.2
104.200	004	1,1,2-Trichloroethane	EPA 524.2
104.200	005	1,1-Dichloroethane	EPA 524.2

104.200	006	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.200	007	1,2,3-Trichlorobenzene	EPA 524.2
104.200	008	1,2,4-Trichlorobenzene	EPA 524.2
104.200	009	1,2,4-Trimethylbenzene	EPA 524.2
104.200	010	1,2-Dichlorobenzene	EPA 524.2
104.200	011	1,2-Dichloroethane (Ethylene Dichloride)	EPA 524.2
104.200	012	1,2-Dichloropropane	EPA 524.2
104.200	013	1,3,5-Trimethylbenzene	EPA 524.2
104.200	014	1,3-Dichlorobenzene	EPA 524.2
104.200	015	1,4-Dichlorobenzene	EPA 524.2
104.200	016	2-Chlorotoluene	EPA 524.2
104.200	017	4-Chlorotoluene	EPA 524.2
104.200	018	Benzene	EPA 524.2
104.200	019	Carbon Disulfide	EPA 524.2
104.200	020	Carbon Tetrachloride	EPA 524.2
104.200	021	Chlorobenzene	EPA 524.2
104.200	022	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.200	023	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.200	024	Dichlorodifluoromethane	EPA 524.2
104.200	025	Dichloromethane (Methylene Chloride)	EPA 524.2
104.200	027	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.200	028	Ethylbenzene	EPA 524.2
104.200	029	Isopropylbenzene	EPA 524.2
104.200	030	Methyl isobutyl ketone (MIBK, 4-Methyl-2-pentanone)	EPA 524.2
104.200	031	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.200	032	Naphthalene	EPA 524.2
104.200	033	n-Butylbenzene	EPA 524.2
104.200	034	N-propylbenzene	EPA 524.2
104.200	035	sec-Butylbenzene	EPA 524.2
104.200	036	Styrene	EPA 524.2
104.200	037	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 524.2
104.200	038	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.200	039	tert-Butylbenzene	EPA 524.2
104.200	040	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.200	041	Toluene	EPA 524.2
104.200	042	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2
104.200	043	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 524.2
104.200	044	Trichloroethylene (Trichloroethene)	EPA 524.2
104.200	045	Trichlorofluoromethane	EPA 524.2
104.200	046	Trichlorotrifluoroethane	EPA 524.2
104.200	047	Vinyl Chloride	EPA 524.2
104.200	102	m+p-Xylene	EPA 524.2

104.200	103	o-Xylene	EPA 524.2
104.200	201	Bromodichloromethane	EPA 524.2
104.200	202	Bromoform	EPA 524.2
104.200	203	Chloroform	EPA 524.2
104.200	204	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2

<b>Field of Accreditation:</b>		<b>108 - Inorganic Constituents in Non-Potable Water</b>	
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	004	Potassium	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 SO4)	EPA 300.0
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
108.055	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
108.079	001	Residue, Settleable	SM 2540 F-2011
108.095	001	Bromide	SM 4110 B-2011
108.095	002	Chloride	SM 4110 B-2011
108.095	003	Fluoride	SM 4110 B-2011
108.095	004	Nitrate (as N)	SM 4110 B-2011

108.095	005	Nitrate-Nitrite (as N)	SM 4110 B-2011
108.095	006	Nitrite (as N)	SM 4110 B-2011
108.095	007	Phosphate,Ortho (as P)	SM 4110 B-2011
108.095	008	Sulfate (as SO4)	SM 4110 B-2011
108.115	001	Chloride	SM 4500-Chloride B-2011
108.125	001	Cyanide, Total	SM 4500-CN E-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.145	001	Ammonia (as N)	SM 4500-NH3 F-2011
108.145	002	Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 F-2011
108.153	001	Nitrite (as N)	SM 4500-NO2 B-2011
108.157	001	Nitrate-Nitrite (as N)	SM 4500-NO3 E-2011
108.175	001	Phosphate,Ortho (as P)	SM 4500-P E-2011
108.175	002	Phosphorus, Total	SM 4500-P E-2011
108.184	001	Silica, Dissolved	SM 4500-SiO2 C-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.203	001	Sulfide (as S)	SM 4500-S F-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.213	001	Chemical Oxygen Demand	SM 5220 D-2011
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011
108.221	001	Oil & Grease, Total Recoverable	SM 5520 B-2011
108.225	001	Surfactants	SM 5540 C-2011

**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**

110.040	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	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	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	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

<b>Field of Accreditation:</b>	<b>111 - Semi-volatile Organic Constituents in Non-Potable Water</b>
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111.055	001	Aldrin	EPA 608.3
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	060	Toxaphene	EPA 608.3
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	<b>bis(2-Chloroisopropyl) ether (2,2'-Oxybis[1-chloropropane])</b>	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	140	Carbazole	EPA 625.1
111.160	141	o-Cresol	EPA 625.1
111.160	143	1,2-Diphenylhydrazine	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	149	1-Methylphenanthrene	EPA 625.1
111.160	151	2,4,5-Trichlorophenol	EPA 625.1

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
114.435 001	Chromium VI (Hexavalent Chromium)	EPA 7196 A
114.465 001	Chromium VI (Hexavalent Chromium)	EPA 7199
114.535 001	Mercury	EPA 7471 A
114.725 001	Cyanide, Total	EPA 9014
114.745 001	Fluoride	EPA 9056

<b>Field of Accreditation:</b>	<b>115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste</b>
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115.055 001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix A
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

<b>Field of Accreditation:</b>	<b>116 - Volatile Organic Compounds in Hazardous Waste</b>
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116.215 001	1,2-Dibromoethane (EDB)	EPA 8011
116.215 002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011
116.220 001	Gasoline Range Organics (GRO)	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

Field of Accreditation:		117 - Semi-volatile Organic Chemistry of Hazardous Waste	
117.235	002	Diesel Range Organics (DRO)	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
117.405	001	Azinphos Methyl	EPA 8141 A
117.405	002	Chlorpyrifos	EPA 8141 A
117.405	003	Demeton-O	EPA 8141 A
117.405	004	Demeton-S	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
117.425	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
117.425	011	4-Nitrophenol	EPA 8151 A
117.425	012	Pentachlorophenol	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	030	1-Chloronaphthalene	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	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
117.475	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
117.545 001	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

<b>Field of Accreditation:</b>	<b>130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)</b>
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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
130.030	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
130.140	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
130.470	001	Fluoride	EPA 9056

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**Field of Accreditation:** 131 - Leaching/Extraction, Physical Characteristics in Hazardous Waste (Matrix Aqueous)

131.010	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix 11.1
131.040	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
131.050	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312
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)

132.010	001	1,2-Dibromoethane (EDB)	EPA 8011
132.010	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011
132.015	001	Gasoline Range Organics (GRO)	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

Field of Accreditation:		133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)	
133.010	002	Diesel Range Organics (DRO)	EPA 8015 B
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
133.190	001	Azinphos Methyl	EPA 8141 A
133.190	002	Chlorpyrifos	EPA 8141 A
133.190	003	Demeton-O	EPA 8141 A
133.190	004	Demeton-S	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
133.220	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	008	Dinoseb	EPA 8151 A
133.220	009	MCPA	EPA 8151 A
133.220	010	MCPP	EPA 8151 A
133.220	011	4-Nitrophenol	EPA 8151 A
133.220	012	Pentachlorophenol	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	030	1-Chloronaphthalene	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	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
133.270	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
133.350	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