

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Water Report  
NW Natural Water Services, LLC  
107 S Main St  
Coupeville, Washington 98239

Generated 9/15/2025 4:28:20 PM

## JOB DESCRIPTION

Saratoga 763000 - Compliance

## JOB NUMBER

110-1365-1

# Eurofins Washington

## Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

## Authorization



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# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Detection Summary . . . . .	6
Client Sample Results . . . . .	7
QC Sample Results . . . . .	8
QC Association Summary . . . . .	9
Lab Chronicle . . . . .	10
Certification Summary . . . . .	11
Method Summary . . . . .	12
Sample Summary . . . . .	13
Chain of Custody . . . . .	14
Receipt Checklists . . . . .	15



## Definitions/Glossary

Client: NW Natural Water Services, LLC  
Project/Site: Saratoga 763000 - Compliance

Job ID: 110-1365-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

## Case Narrative

Client: NW Natural Water Services, LLC  
Project: Saratoga 763000 - Compliance

Job ID: 110-1365-1

**Job ID: 110-1365-1**

**Eurofins Washington**

### **Job Narrative 110-1365-1**

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

### **Receipt**

The sample was received on 9/2/2025 3:20 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.3°C.

### **Metals**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Detection Summary

Client: NW Natural Water Services, LLC  
Project/Site: Saratoga 763000 - Compliance

Job ID: 110-1365-1

**Client Sample ID: S05 Saratoga - Week 4**  
**PWSID Number: 763000**

**Lab Sample ID: 110-1365-1**

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0026		0.0010	mg/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: NW Natural Water Services, LLC  
Project/Site: Saratoga 763000 - Compliance

Job ID: 110-1365-1

Client Sample ID: S05 Saratoga - Week 4

Lab Sample ID: 110-1365-1

Date Collected: 08/27/25 10:30

Matrix: Drinking Water

Date Received: 09/02/25 15:20

PWSID Number: 763000

Method: EPA 200.8 - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	0.0026		0.0010	mg/L			09/08/25 18:45	1	

# QC Sample Results

Client: NW Natural Water Services, LLC  
Project/Site: Saratoga 763000 - Compliance

Job ID: 110-1365-1

## Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 110-1298/10

Matrix: Drinking Water

Analysis Batch: 1298

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	mg/L			09/08/25 17:13	1

Lab Sample ID: LCS 110-1298/11

Matrix: Drinking Water

Analysis Batch: 1298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0100	0.00979		mg/L		98	85 - 115

Lab Sample ID: 110-1312-B-1 MS

Matrix: Drinking Water

Analysis Batch: 1298

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0013		0.0100	0.0116		mg/L		103	70 - 130

Lab Sample ID: 110-1312-B-1 DU

Matrix: Drinking Water

Analysis Batch: 1298

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.0013		0.00132		mg/L		2	20



# QC Association Summary

Client: NW Natural Water Services, LLC  
Project/Site: Saratoga 763000 - Compliance

Job ID: 110-1365-1

## Metals

### Analysis Batch: 1298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
110-1365-1	S05 Saratoga - Week 4	Total/NA	Drinking Water	200.8	
MB 110-1298/10	Method Blank	Total/NA	Drinking Water	200.8	
LCS 110-1298/11	Lab Control Sample	Total/NA	Drinking Water	200.8	
110-1312-B-1 MS	Matrix Spike	Total/NA	Drinking Water	200.8	
110-1312-B-1 DU	Duplicate	Total/NA	Drinking Water	200.8	

# Lab Chronicle

Client: NW Natural Water Services, LLC  
Project/Site: Saratoga 763000 - Compliance

Job ID: 110-1365-1

**Client Sample ID: S05 Saratoga - Week 4**  
**Date Collected: 08/27/25 10:30**  
**Date Received: 09/02/25 15:20**

**Lab Sample ID: 110-1365-1**  
**Matrix: Drinking Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	200.8		1	1298	SM	EET WAS	09/08/25 18:45

**Laboratory References:**  
EET WAS = Eurofins Washington, 1620 S Walnut Street, Burlington, WA 98233, TEL (360)757-1400

Accreditation/Certification Summary

Client: NW Natural Water Services, LLC  
Project/Site: Saratoga 763000 - Compliance

Job ID: 110-1365-1

Laboratory: Eurofins Washington

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4072	04-02-26
Washington	State	C567	01-18-26

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# Method Summary

Client: NW Natural Water Services, LLC  
Project/Site: Saratoga 763000 - Compliance

Job ID: 110-1365-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET WAS

**Protocol References:**  
EPA = US Environmental Protection Agency

**Laboratory References:**  
EET WAS = Eurofins Washington, 1620 S Walnut Street, Burlington, WA 98233, TEL (360)757-1400

Sample Summary

Client: NW Natural Water Services, LLC  
Project/Site: Saratoga 763000 - Compliance

Job ID: 110-1365-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
110-1365-1	S05 Saratoga - Week 4	Drinking Water	08/27/25 10:30	09/02/25 15:20	763000

- 1
- 2
- 3
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- 12
- 13
- 14

## Multiple WSI / ANALYSIS REG

Page \_ of \_

### Client & Billing Information

Report To: King Water Company, NW Natural Water Services.

Ship Address. 102 SW Terry Road

City Coupeville

Phone: 360-678-5336

Email [wa.testing@nwnaturalwaterservices.com](mailto:wa.testing@nwnaturalwaterservices.com)

**Contact:** Jessica Zimmer

**Project Name:** Saratoga Water District



110-1365 COC

**ANALYTICAL**

**Main Lab (800-755-9295)**

1620 S Walnut St, Burlington, WA 98233

**Bellingham (888-725-1212)**

**805 W Orchard Dr Suite 4, Bellingham, WA 98225**

1. USE ONE LINE PER SAMPLE LOCATION
2. BE SPECIFIC IN TEST REQUESTS
3. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION
4. ENTER NUMBER OF CONTAINERS PER SAMPLE LOCATION

**Turn Around Time Requested**

- ☒ STANDARD  
☐ HALF-TIME (50% SURCHARGE)  
☐ QUICKEST (100% SURCHARGE) PHONE CALL REQUIRED  
☐ EMERGENCY (PHONE CALL REQUIRED)

INSTRUCTIONS				Turn Around Time Requested				SPECIAL SOURCE NUMBERS													
1. USE ONE LINE PER SAMPLE LOCATION				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> HALF-TIME (50% SURCHARGE) <input type="checkbox"/> QUICKEST (100% SURCHARGE) (PHONE CALL REQ. EMERGENCY (PHONE CALL REQUIRED)				92 DISTRIBUTION (THM/HAA) 96 BLENDED SAMPLE 93 STRANDGUTTER (P&Cu) 95 LAB COMPOSITE 00 DISTRIBUTION (BACTERIA)													
2. BE SPECIFIC IN TEST REQUESTS																					
3. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION																					
4. ENTER NUMBER OF CONTAINERS PER SAMPLE LOCATION																					
1	SYSTEM ID	SOURCE#	SAMPLE LOCATION	DATE	TIME	<input checked="" type="checkbox"/> Compliance	<input checked="" type="checkbox"/> Arsenic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Number of Containers	SPECIAL INSTRUCTIONS / CONDITIONS ON RECEIPT * Sample date 3 time per bottle then
2	763000	S05	Saratoga - Week 4	8/27	1030	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
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8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
SAMPLED BY				PHONE		FAX		EMAIL												2 TOTAL CONTAINERS	

**? TOTAL CONTAINERS**

**CUSTODY SEALS INTACT**

SAMPLE TEMP 5 °C SATISFACTORY

## EVIDENCE OF COOLING

**SAMPLES RECEIVED INTACT**

## CHAIN OF CUSTODY & LABELS AGREE

**YES**

**NO**

**NUSA**

## Login Sample Receipt Checklist

Client: NW Natural Water Services, LLC

Job Number: 110-1365-1

Login Number: 1365

List Number: 1

Creator: Meins, Kendalyn

List Source: Eurofins Washington

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	