

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 8/18/2025 5:09:59 AM

## JOB DESCRIPTION

Saratoga 763000 - Compliance

## JOB NUMBER

110-424-1

# Eurofins Washington

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



Generated  
8/18/2025 5:09:59 AM

Authorized for release by  
Crystal Deighton, Admin Asst. I  
[Crystal.Deighton@et.eurofinsus.com](mailto:Crystal.Deighton@et.eurofinsus.com)  
(360)757-1400

# 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: 110-424-1

### 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: 110-424-1

**Job ID: 110-424-1**

**Eurofins Washington**

### **Job Narrative 110-424-1**

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 8/12/2025 10:22 AM. 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 1.7°C.

### **Metals**

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

Eurofins Washington

Detection Summary

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

Job ID: 110-424-1

Client Sample ID: 763000 S05 Saratoga - Week 1      Lab Sample ID: 110-424-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.3		1.0	ug/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 110-424-1

Client Sample ID: 763000 S05 Saratoga - Week 1  
Date Collected: 08/06/25 09:55  
Date Received: 08/12/25 10:22

Lab Sample ID: 110-424-1  
Matrix: Drinking Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.3		1.0	ug/L			08/14/25 20:46	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# QC Sample Results

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

Job ID: 110-424-1

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

Lab Sample ID: MBL 380-168720/216  
Matrix: Drinking Water  
Analysis Batch: 168720

Client Sample ID: Method Blank  
Prep Type: Total/NA

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	ug/L			08/14/25 20:25	1

Lab Sample ID: LCS 380-168720/218  
Matrix: Drinking Water  
Analysis Batch: 168720

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	52.5		ug/L		105	85 - 115

Lab Sample ID: LCSD 380-168720/219  
Matrix: Drinking Water  
Analysis Batch: 168720

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	50.0	52.8		ug/L		106	85 - 115	1	20

Lab Sample ID: LLCS 380-168720/217  
Matrix: Drinking Water  
Analysis Batch: 168720

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.07		ug/L		107	50 - 150

Lab Sample ID: 110-432-A-1 MS  
Matrix: Drinking Water  
Analysis Batch: 168720

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	5.4		50.0	65.5		ug/L		120	70 - 130

Lab Sample ID: 110-432-A-1 MSD  
Matrix: Drinking Water  
Analysis Batch: 168720

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	5.4		50.0	64.2		ug/L		118	70 - 130	2	20



## QC Association Summary

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

Job ID: 110-424-1

### Metals

#### Analysis Batch: 168720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
110-424-1	763000 S05 Saratoga - Week 1	Total/NA	Drinking Water	200.8	
MBL 380-168720/216	Method Blank	Total/NA	Drinking Water	200.8	
LCS 380-168720/218	Lab Control Sample	Total/NA	Drinking Water	200.8	
LCSD 380-168720/219	Lab Control Sample Dup	Total/NA	Drinking Water	200.8	
LLCS 380-168720/217	Lab Control Sample	Total/NA	Drinking Water	200.8	
110-432-A-1 MS	Matrix Spike	Total/NA	Drinking Water	200.8	
110-432-A-1 MSD	Matrix Spike Duplicate	Total/NA	Drinking Water	200.8	

Lab Chronicle

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

Job ID: 110-424-1

Client Sample ID: 763000 S05 Saratoga - Week 1  
Date Collected: 08/06/25 09:55  
Date Received: 08/12/25 10:22

Lab Sample ID: 110-424-1  
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	168720	VB9B	EA POM	08/14/25 20:46

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

## Accreditation/Certification Summary

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

Job ID: 110-424-1

### Laboratory: Eurofins Eaton Analytical Pomona

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	ISO/IEC 17025	5890.01 & 5890.02	09-30-25
Alabama	State	41060	06-18-26
Arizona	State	AZ0833	02-27-26
Arkansas (DW)	State	CA00006	01-31-26
California	State	2813	06-18-27
Colorado	State	CA00006	01-31-26
Connecticut	State	PH-0107	03-31-26
Delaware (DW)	State	CA00006	01-31-26
Florida	NELAP	E871024	06-30-26
Georgia (DW)	State	947	01-31-26
Guam	State	25-02R	03-31-26
Hawaii	State	CA00006	01-31-26
Hawaii (Micro)	State	CA00006	01-31-26
Idaho (DW)	State	CA00006	01-31-26
Idaho (Micro)	State	CA00006	03-31-26
Illinois	NELAP	200033	03-31-26
Indiana	State	C-CA-01	06-18-25 *
Kansas	NELAP	E-10268	04-30-26
Kentucky (DW)	State	KY90107	12-31-25
Louisiana (DW)	State	LA008	12-31-25
Maine	State	CA00006A	03-08-26
Maryland	State	224	03-31-26
Massachusetts	State	M-CA006	06-30-26
MI - RadChem Recognition	State	9906	06-18-25 *
Michigan	State	9906	06-18-25 *
Mississippi	State	CA2813	06-18-25 *
Montana (DW)	State	CERT0035	01-01-26
Nebraska	State	NE-OS-21-13	01-31-26
Nevada	State	CA00006	08-31-25
New Hampshire	NELAP	2959	03-29-26
New Jersey	NELAP	CA008	06-30-26
New Mexico	State	CA00006	01-31-26
New York	NELAP	11320	04-01-26
North Carolina (DW)	State	06701	07-31-26
North Dakota	State	R-009	01-31-24 *
Northern Mariana Islands (DW)	State	CA00006	01-31-26
Ohio	State	87786	01-31-26
Oregon	NELAP	4034	01-29-26
Pennsylvania	NELAP	68-00565	10-31-25
Puerto Rico	State	CA00006	03-31-26
Rhode Island	State	LAO00381	12-30-25
South Dakota (DW)	State	CA11320	06-18-27
Tennessee	State	TN02839	01-31-25 *
Texas	NELAP	T104704230	09-30-25
USEPA UCMR 5	US Federal Programs	CA00006	12-31-25
Utah	NELAP	CA00006	01-31-26
Vermont	State	VT-0114	12-28-25
Virginia	NELAP	460260	06-14-26
Washington	State	C838	03-13-26
Wyoming	State	8-TMS-L	06-18-27

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Washington

## Method Summary

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

Job ID: 110-424-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EA POM
None	Autocomplete Prep - Metals - No Digestion required	None	EA POM

### Protocol References:

EPA = US Environmental Protection Agency  
None = None

### Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

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

Job ID: 110-424-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
110-424-1	763000 S05 Saratoga - Week 1	Drinking Water	08/06/25 09:55	08/12/25 10:22	Washington

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Multiple WSI / ANALYSIS REQUEST

Page \_ of \_

## Client & Billing Information

Report To King Water Company - NW Natural Water Services

Bill To KIN07

Ship Address 102 SW Terry Road

Address

City Coupeville

St WA

City

Zip 98239

St.

Zip

Phone 360-678-5336

Fax:

Phone

Email wa.testing@nwnaturalwaterservices.com

P O #

Contact Jessica Zimmer

Project Name Saratoga Water District



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

## INSTRUCTIONS

- USE ONE LINE PER SAMPLE LOCATION
- BE SPECIFIC IN TEST REQUESTS
- CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION
- ENTER NUMBER OF CONTAINERS PER SAMPLE LOCATION

## Turn Around Time Requested

☒ STANDARD

☐ HALF-TIME (50% SURCHARGE)

☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.

☐ EMERGENCY (PHONE CALL REQUIRED)

Number of Container

## SPECIAL SOURCE NUMBERS

- 92 DISTRIBUTION (THM/HAA)
- 96 BLENDED SAMPLE
- 93 STANDING WATER (Pb&Cu)
- 95 LAB COMPOSITE
- 00 DISTRIBUTION (BACTERIA)

SPECIAL INSTRUCTIONS / CONDITIONS ON RECEIPT

Compliance

As

DATE

TIME

8-6 955

SAMPLE LOCATION

Saratoga - Week 1

SOURCE#

S05

SYSTEM ID

763000

1

2

3

4

5

6

7

8

9

10

2 TOTAL CONTAINERS

2 TOTAL CONTAINERS

EMAIL

FAX

PHONE

SAMPLED BY

DATE

TIME

RECEIVED BY

DATE

TIME

EDGE PU01 8/7/25 1507

CJK 8/11/25 13 15

FORM WSI-Mult\_WA.rpt

RECEIVED BY: AF

DATE 08/12/25

TIME 10:22 (7518)

1.7°-0.0°-1.7° REAR/GEL FR0202

FEB 50 4481 6051 2402

YES

NO

N/A

CUSTOMER SEALS INTACT

SAMPLE TEMP 46.5°C SATISFACTORY

EVIDENCE OF COOLING

SAMPLES RECEIVED INTACT

CHAIN OF CUSTODY & LABELS AGREE

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

110-424 COC

## Login Sample Receipt Checklist

Client: NW Natural Water Services, LLC

Job Number: 110-424-1

Login Number: 424

List Source: Eurofins Washington

List Number: 1

Creator: Ngo, Theodore

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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.	True	

## Login Sample Receipt Checklist

Client: NW Natural Water Services, LLC

Job Number: 110-424-1

Login Number: 424

List Number: 2

Creator: Ngo, Theodore

List Source: Eurofins Eaton Analytical Pomona

List Creation: 08/13/25 12:59 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	
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	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Container provided by EEA	False	Client provided containers