

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: (1108) Water Quality Manager
Alpine Water GMBH
Obertraun 311
4831 Obertraun, Austria

Generated 5/19/2025 2:07:20 PM

JOB DESCRIPTION

1108-019
Alpine Water GMBH - Obertraun - Artesian Finished Product

JOB NUMBER

380-147746-1

Eurofins Eaton Analytical Pomona

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 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 Eaton Analytical, LLC Project Manager.

Compliance Statement

The report format being provided is not compliant with TNI (The NELAC Institute) Standards, and is a client-specific format

Authorization



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Authorized for release by
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Case Narrative

Client: Alpine Water GMBH
Project: 1108-019

Job ID: 380-147746-1

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Job Narrative 380-147746-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 4/28/2025 10:05 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 17.3°C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed.

Sample date and Time not on COC. Logged with production date on bottle and sample time is SOP

Gas Flow Proportional Counter

Method 903.0: Radium 226 Batch 715487

160-715487

Based upon client request, Ra-226 is reported without the standard 21-day waiting period which ensures short-lived alpha-emitting radium isotopes (e.g. Ra-224) have decayed out. The Ra-226 result should be considered to be potentially high biased.

Associated samples have activity below the RL 1108-019 Artesian Finished Product (380-147746-1), (LCS 160-715487/2-A), (MB 160-715487/1-A), (380-147590-E-1-A), (380-147590-F-1-D DU), (380-147692-C-1-A) and (380-147692-B-1-C DU)

Method 904.0: Radium-228 Prep Batch 160-715488:

The laboratory control sample (LCS 160-715488/2-A) had a spike recovery (125%) outside control limits (80-120%). This is a possible indicator of a potential high bias to the sample results; however, all samples have a final result below the reported limit (RL) indicating no negative impact to the data.

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

Rad

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

Eurofins Eaton Analytical Pomona

Sample Summary

Client: Alpine Water GMBH
Project/Site: 1108-019

Job ID: 380-147746-1
SDG: Alpine Water GMBH - Obertraun - Artesian Finished
Product

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-147746-1	1108-019 Artesian Finished Product	Bottled Water	04/27/25 08:00	04/28/25 10:05

- 1
- 2
- 3
- 4
- 5
- 6
- 7

Client Sample Results

Client: Alpine Water GMBH
 Project/Site: 1108-019

Job ID: 380-147746-1
 SDG: Alpine Water GMBH - Obertraun - Artesian Finished
 Product

Client Sample ID: 1108-019 Artesian Finished Product

Lab Sample ID: 380-147746-1

Date Collected: 04/27/25 08:00

Matrix: Bottled Water

Date Received: 04/28/25 10:05

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Analyzed	Dil Fac	Analyst
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	0.0857	U	0.180	0.180	1.00	0.204	pCi/L	05/13/25 17:44	1	SWS
Carrier	%Yield	Qualifier	Limits					Analyzed	Dil Fac	Analyst
Ba Carrier	81.8		30 - 110					05/13/25 17:44	1	SWS

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Analyzed	Dil Fac	Analyst
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-228	0.506	*	0.430	0.432	1.00	0.410	pCi/L	05/13/25 12:16	1	SWS
Carrier	%Yield	Qualifier	Limits					Analyzed	Dil Fac	Analyst
Ba Carrier	81.8		30 - 110					05/13/25 12:16	1	SWS
Y Carrier	78.5		30 - 110					05/13/25 12:16	1	SWS

Method: Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Analyzed	Dil Fac	Analyst
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Combined Radium 226 + 228	0.592		0.466	0.468	5.00	0.410	pCi/L	05/19/25 14:01	1	FLC

Method: SM7500_Rn_B - Radon

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Analyzed	Dil Fac	Analyst
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radon 222	2.23	U	6.16		50.0	7.01	pCi/L	04/30/25 07:04	1	PK4Q

Action Limit Summary

Client: Alpine Water GMBH
Project/Site: 1108-019

Job ID: 380-147746-1
SDG: Alpine Water GMBH - Obertraun - Artesian Finished
Product

Client Sample ID: 1108-019 Artesian Finished Product

Lab Sample ID: 380-147746-1

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Combined Radium 226 + 228	0.592		pCi/L	5	5.00	Ra226_Ra228 Pos	Total/NA

Accreditation/Certification and Definitions Summary

Client: Alpine Water GMBH
Project/Site: 1108-019

Job ID: 380-147746-1
SDG: Alpine Water GMBH - Obertraun - Artesian Finished
Product

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	06-30-25
Alabama	State	41060	06-18-25
Arizona	State	AZ0833	02-27-26
Arkansas (DW)	State	CA00006	01-31-26
California	State	2813	06-18-25
Colorado	State	CA00006	01-31-26
Connecticut	State	PH-0107	03-31-26
Delaware (DW)	State	CA00006	01-31-26
Florida	NELAP	E871024	06-30-25
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	04-30-25
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	05-13-25
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	05-06-25
New Hampshire	NELAP	2959	03-29-26
New Jersey	NELAP	CA008	06-30-25
New Mexico	State	CA00006	01-31-26
New York	NELAP	11320	04-01-26
North Carolina (DW)	State	06701	07-31-25
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	06-18-25
Tennessee	State	TN02839	01-31-25 *
Texas	NELAP	T104704230	05-13-25
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	06-14-25
Washington	State	C838	03-13-26

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

Eurofins Eaton Analytical Pomona

Accreditation/Certification and Definitions Summary

Client: Alpine Water GMBH
 Project/Site: 1108-019

Job ID: 380-147746-1
 SDG: Alpine Water GMBH - Obertraun - Artesian Finished
 Product

Laboratory: Eurofins Eaton Analytical Pomona (Continued)

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

Authority	Program	Identification Number	Expiration Date
Wyoming	State	8-TMS-L	06-18-25

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

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

Accreditation/Certification and Definitions Summary

Client: Alpine Water GMBH
Project/Site: 1108-019

Job ID: 380-147746-1
SDG: Alpine Water GMBH - Obertraun - Artesian Finished
Product



Qualifiers

Rad

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Result is less than the sample detection limit.

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
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
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
MRL	Method Reporting 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
SDL	Sample Detection Limit
SDL	Sample Detection Limit
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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

CHAIN OF CUSTODY RECORD

1108-019-13

INVOICE TO/SEND ORIGINAL REPORT TO: Compliance Designs 159 South Stark Highway Weare, New Hampshire 03281 Tel (603) 273-0954 Fax (603) 695-7318	CLIENT NAME TO APPEAR ON REPORT: Alpine Water GBH Obertraun 311 4831 Obertraun Austria	LAB USED: Eurofins -Pomona TURNAROUND TIME: STND/BUT ASAP	ORDER # 38008392 PWS #:
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PROJECT NAME: Misc. Testing	PROJECT #: 1108	NUMBER OF CONTAINERS	ANALYSIS REQUIRED
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SAMPLE NUMBER	DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION AND PRODUCTION CODE	ANALYSIS REQUIRED
1108-019		Artesian Finished Product	Radon, Radium 226 & 228
		Produced From: Dachstein Well Source	
		Size: 750 mL If multiple shipments indicate shipment ___ of ___	

LAB, PLEASE INDICATE DATE AND TIME BOTTLES OPENED (SAMPLE DATE & TIME)
 Prod Code: _____ Line: _____
 Compliance Criteria: _____

SAMPLER'S SIGNATURE: *Alexandra J...*
 PLEASE PRINT BELOW: **Alexandra J...**

RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
<i>[Signature]</i>		<i>[Signature]</i>	04/28/25	757A) 17.3e-0.0e-17.3.101e5 UPS-12 4x4 96/01 9828 1939
		<i>[Signature]</i>	10:05	



380-147746 COC



Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Do, Michelle	Carrier Tracking No(s): N/A	COC No: 380-209722.1
Client Contact: Shipping/Receiving		E-Mail: Michelle.Do@et.eurofins.com	State of Origin: Austria	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): N/A		Job #: 380-147746-1
Address: 13715 Rider Trail North, Earth City, MO, 63045		Preservation Codes:		
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		Analysis Requested		
Email: N/A		Total Number of Containers		
Project Name: 1108-019		Other: N/A		
Site: N/A		Special Instructions/Note:		
Due Date Requested: 5/27/2025		SDWA		
TAT Requested (days): N/A		4		
PO #: N/A		903.0/PreSep, 7 903.0 Radium 226 7day IG		
WO #: N/A		904.0/PreSep, 0 904.0 Radium 228		
Project #: 38008392		Perform MS/MSD (Yes or No)		
SSOW#: N/A		Field Filtered Sample (Yes or No)		
Sample Date		Sample Time		Sample Matrix
6/20/24		08:00 Central		G Bottled Waste
Sample Identification - Client ID (Lab ID)		Sample Type (C=comp, G=grab)		Preservation Code
1108-019 Artesian Finished Product (380-147746-1)		G		

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: _____ Date: _____ Method of Shipment: _____
 Relinquished by: _____ Date/Time: 4/29/25 9:20 Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: _____ Custody Seal No.: _____
 Δ Yes Δ No

Cooler Temperature(6) °C and Other Remarks: