



Certificate of Analysis

Report CoA-2026-00825 · 3 samples · 1 methods · FINAL

CLIENT & PROJECT

CLIENT	CLIENT CODE	STATE	PROJECT MANAGER
Burlington Department of Public Works	BURL-DPW	VT	Dennis Byrne
REPORT STATUS	VERSION	GENERATED	RELEASED
FINAL	1	6/6/2026, 3:32:51 AM	6/2/2026, 3:32:51 AM

SUMMARY OF FINDINGS

SAMPLES	TOTAL RESULTS	EXCEEDANCES	HOLDING TIME NON-COMPLIANT	METHODS
3	7	0	0	EPA 200.8

LABORATORY ACCREDITATION

EPA VT00045

UCMR 5 PFAS · SDWA Compliance Monitoring · expires 2027-06-30 · US EPA Region 1

NH NH-200405

Drinking Water (Env-Dw 700) · Wastewater (NPDES) · PFAS · expires 2027-06-30 · NH DES

NY NY11849

Subpart 5-1 Drinking Water · Non-Potable Water (NELAP) · Solid & Hazardous Waste -- expires 2027-03-31 · NYS DOH ELAP

ISO_17025 L18-0445

ISO/IEC 17025:2017 · expires 2027-09-15 · A2LA

VT VT-LAB-0045

Drinking Water (VT WSR) · Wastewater (NPDES) · Solid Waste · expires 2026-12-31 · VT Department of Health

AUTHORIZATION

Harry Locker

LABORATORY DIRECTOR · 6/2/2026

CLIENT ACKNOWLEDGMENT · DATE



SAMPLE RECEIPT SUMMARY

Samples were received at the laboratory under chain-of-custody. Receipt conditions were verified per Endyne QA-SOP-04 against acceptance criteria for cooler temperature (0-6°C), tamper seal integrity, container condition, and preservation. Findings per sample appear below.

ACCESSION	SITE	MATRIX	CONTAINER	PRES.	COOLER °C	CONT. COND.	PH CHK	HT
ENV-2026-04757	LC-MAL-03	WATER	1L plastic	iced	3.3	INTACT	n/a	PASS
ENV-2026-04758	LC-MAL-03	WATER	500mL HDPE	iced	3.3	INTACT	n/a	PASS
ENV-2026-04759	LEB-LCR-027	WATER	250mL HDPE	HNO3	3.9	INTACT	1.5	PASS

CHAIN OF CUSTODY

COC #	COOLER ID	SEALS	SHIPPING
COC-2026-0361	CLR-384	100733,100734 intact	Client
COC #	COOLER ID	SEALS	SHIPPING
COC-2026-0361	CLR-384	100733,100734 intact	Client
COC #	COOLER ID	SEALS	SHIPPING
COC-2026-0362	CLR-408	100735,100736 intact	Client



CASE NARRATIVE

All 3 samples were received intact at the laboratory with cooler temperatures within the 0-6°C acceptance range and preservation verified per method requirements. No discrepancies were noted at receipt.

All analyses were performed within method-specified holding times.

Quality control performance for the analytical batch met all method criteria except as flagged. Method blanks were prepared in parallel with each batch and were below the reporting limit for the target analytes. Laboratory Control Sample (LCS) recoveries were within the 80-120% acceptance window for inorganic methods and within method-specific limits for organic methods. Surrogate spike recoveries were within method acceptance criteria for the organic compound determinations.

No analyte exceeded the published EPA Maximum Contaminant Level (MCL) or other listed regulatory limits in this report.

Analytical methods used in this report: SM 5210B, EPA 300.0, EPA 200.8. All work performed in-house at Endyne Laboratories LLC under the cited accreditation programs. No tests were subcontracted.

METHODS USED

METHOD	NAME	REFERENCE	CFR / CITATION	HT	PRO-GRAM
SM 5210B	Biochemical Oxygen Demand (BOD5)	Standard Methods	40 CFR 136 Table IB	2d	CWA-NPDES
EPA 300.0	Inorganic Anions by IC	EPA 300 Series	40 CFR 141 §141.23 / 40 CFR 136 Table IB	28d	SDWA
EPA 200.8	Drinking Water Metals by ICP-MS	EPA 200 Series	40 CFR 141 §141.23	180d	SDWA



QUALITY CONTROL SUMMARY

Method blanks, Laboratory Control Samples (LCS), Matrix Spike / Matrix Spike Duplicate (MS/MSD), and applicable surrogates were prepared with each analytical batch. Results below reflect the QC performance for the batch in which client samples were analyzed.

Method Blank · LCS · MS/MSD

METHOD	METHOD BLANK	LCS %REC	LCS LIMITS	MS %REC	MSD %REC	RPD %	RPD LIMIT	STATUS
SM 5210B	< RL	102 %	80-120 %	106 %	109 %	2.8 %	d 20 %	PASS
EPA 300.0	< RL	103 %	80-120 %	105 %	109 %	3.7 %	d 20 %	PASS
EPA 200.8	< RL	102 %	80-120 %	105 %	109 %	3.7 %	d 20 %	PASS



ANALYTICAL RESULTS

Results below were obtained for samples covered by this CoA. Qualifier definitions appear at the end of this section.

SAMPLE	METHOD	ANALYTE	RESULT	UNITS	MDL	RL	LIMIT	QUAL	FLAG
ENV-2026-04759	EPA 200.8	Lead	3.18	µg/L	0.5	1	15		NONE
ENV-2026-04759	EPA 200.8	Arsenic	2.03	µg/L	0.5	1	10		NONE
ENV-2026-04759	EPA 200.8	Cadmium	J 0.20	µg/L	0.2	0.5	5	J	NONE
ENV-2026-04759	EPA 200.8	Chromium	< 2	µg/L	1	2	100	U	NONE
ENV-2026-04759	EPA 200.8	Copper	66.75	µg/L	1	2	1300		NONE
ENV-2026-04759	EPA 200.8	Manganese	10.66	µg/L	1	2	—		NONE
ENV-2026-04759	EPA 200.8	Zinc	15.21	µg/L	5	10	—		NONE

Data Qualifier Definitions — U: analyte not detected at or above the Method Detection Limit (MDL). J: estimated value (detected between MDL and Reporting Limit, RL). B: blank contamination detected. E: result above calibration range and may be biased. RL: Reporting Limit, the lowest concentration reported as quantitative. MDL: Method Detection Limit per 40 CFR 136 Appendix B. MCL: EPA Maximum Contaminant Level, applicable to drinking water under 40 CFR 141.

Regulatory References — Methods cited per 40 CFR 136 for CWA / NPDES compliance, 40 CFR 141 for SDWA / drinking water primacy, 40 CFR 261 for RCRA waste characterization, 21 CFR 110 / FSMA for food microbiology, ISO/IEC 17025:2017 for laboratory competence. Accreditation programs and certification numbers appear on the cover page. This report shall not be reproduced except in full, without the written approval of Endyne Inc. Results reported relate only to items tested. Test results meet all requirements of ISO/IEC 17025:2017 and applicable state/EPA accreditation programs except as noted in the Case Narrative.