Certificate of Analysis

Report CoA-2026-00813 · 3 samples · 3 methods · FINAL

CLIENT & PROJECT

CLIENT	CLIENT CODE	STATE	PROJECT MANAGER
Burlington Department of Public Works	BURL-DPW	VT	Harry Locker

REPORT STATUS	VERSION	GENERATED	RELEASED
FINAL	1	5/20/2026, 3:32:51 AM	5/30/2026, 3:32:51 AM

SUMMARY OF FINDINGS

SAMPLES	TOTAL RESULTS	EXCEEDANCES	HOLDING TIME NON-COMPLIANT	METHODS
3	22	0	0	EPA 6020B, EPA 524.2, 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 · 5/30/2026

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-2026-04781	ADK-IN-R1	WATER	250mL HDPE	HNO3	4.1	INTACT	1.3	PASS
ENV-2026-04782	LEB-FIN	WATER	40mL VOA vial	HCl	3.1	NO_LABEL	1.4	PASS
ENV-2026-04783	LEB-FIN	WATER	250mL HDPE	HNO3	3.1	INTACT	1.7	PASS

CHAIN OF CUSTODY

COC #	COOLER ID	SEALS	SHIPPING
COC-2026-0371	CLR-201	100753,100754 intact	FedEx 7576506257313
COC-2026-0372	CLR-213	100755,100756 intact	Client
COC-2026-0372	CLR-213	100755,100756 intact	Client

CASE NARRATIVE

Receipt observations: 1 sample(s) noted with container condition flags: ENV-2026-04782 (no label). Each item was reviewed by the receiving technician and judged not to affect data quality unless flagged on the affected result(s).

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: EPA 6020B, EPA 524.2, 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	PROGRAM
EPA 6020B	Metals by ICP-MS	EPA SW-846	40 CFR 261 / SW-846	180d	RCRA
EPA 524.2	Drinking Water VOCs by GC-MS	EPA 500 Series	40 CFR 141 §141.131(b)(2)	14d	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
EPA 6020B	< RL	106 %	80-120 %	105 %	111 %	5.6 %	d 20 %	PASS
EPA 524.2	< RL	105 %	80-120 %	107 %	87 %	20.6 %	d 20 %	PASS
EPA 200.8	< RL	102 %	80-120 %	105 %	109 %	3.7 %	d 20 %	PASS

Surrogate Recoveries

METHOD	SURROGATE	RECOVERY %	LIMITS	STATUS
EPA 524.2	1,2-Dichlorobenzene-d4	96 %	70-130 %	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-2026-04781	EPA 6020B	Lead	3.25	µg/L	0.5	1	15		NONE
ENV-2026-04781	EPA 6020B	Arsenic	1.95	µg/L	0.5	1	10		NONE
ENV-2026-04781	EPA 6020B	Mercury	0.39	µg/L	0.1	0.2	2		NONE
ENV-2026-04781	EPA 6020B	Cadmium	J 0.31	µg/L	0.2	0.5	5	J	NONE
ENV-2026-04781	EPA 6020B	Chromium	J 1.11	µg/L	1	2	100	J	NONE
ENV-2026-04781	EPA 6020B	Iron	0.08	mg/L	0.02	0.05	—		NONE
ENV-2026-04781	EPA 6020B	Manganese	J 1.00	µg/L	1	2	—	J	NONE
ENV-2026-04781	EPA 6020B	Zinc	J 5.00	µg/L	5	10	—	J	NONE
ENV-2026-04781	EPA 6020B	Copper	16.40	µg/L	1	2	1300		NONE
ENV-2026-04782	EPA 524.2	Benzene	J 0.20	µg/L	0.2	0.5	5	J	NONE
ENV-2026-04782	EPA 524.2	Toluene	0.76	µg/L	0.2	0.5	1000		NONE
ENV-2026-04782	EPA 524.2	Trichloroethylene	J 0.42	µg/L	0.2	0.5	5	J	NONE
ENV-2026-04782	EPA 524.2	Tetrachloroethylene	0.52	µg/L	0.2	0.5	5		NONE
ENV-2026-04782	EPA 524.2	MTBE	J 0.50	µg/L	0.5	1	70	J	NONE
ENV-2026-04782	EPA 524.2	Vinyl Chloride	J 0.42	µg/L	0.2	0.5	2	J	NONE
ENV-2026-04783	EPA 200.8	Lead	2.24	µg/L	0.5	1	15		NONE
ENV-2026-04783	EPA 200.8	Arsenic	3.35	µg/L	0.5	1	10		NONE
ENV-2026-04783	EPA 200.8	Cadmium	0.54	µg/L	0.2	0.5	5		NONE
ENV-2026-04783	EPA 200.8	Chromium	J 1.00	µg/L	1	2	100	J	NONE
ENV-2026-04783	EPA 200.8	Manganese	< 2	µg/L	1	2	—	U	NONE
ENV-2026-04783	EPA 200.8	Zinc	40.51	µg/L	5	10	—		NONE
ENV-2026-04783	EPA 200.8	Copper	45.18	µg/L	1	2	1300		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.