

23 June 2017

LEAD IN SCHOOL DRINKING WATER
**RESAMPLING &
ANALYSIS REPORT**

Alden Middle School
13250 Park Street
Alden, NY 14004
UNYSE PROJECT: 17-0623JGA



PREPARED FOR:

Alden Central School District
13190 Park Street
Alden, New York 14004

PREPARED BY:

UNYSE
346 AUSTIN STREET, BUFFALO, NY 14207

UNYSE ENVIRONMENTAL
CONSULTANTS *unyse.net*

23 June 2017

Bob McCormick
Alden Central School District
13190 Park Street
Alden, New York 14004

**Re: Lead in School Drinking Water Sampling & Analysis
Alden Middle School
13250 Park Street
Alden, NY 14004
UNYSE Project: 17-0623JGA**

Dear Mr. McCormick,

I am pleased to present our report for lead in school drinking water conducted at the referenced address.

Enclosed, please find our project summary, exceedance summaries, sampling worksheets, analytical results, and relevant staff and laboratory certifications and accreditations.

Please do not hesitate to contact our offices should we be of further assistance.

Thank you.

Sincerely,



Andrew J. McLellan
President
LB/AJM
file, 17-0623JGA

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PART 1: PROJECT SUMMARY

Alden Middle School
13250 Park Street
Alden, NY 14004
UNYSE Project: 17-0623JGA

UNYSE conducted lead in school drinking water sampling activities on 9/29/16 and 3/23/17 at the request of Alden School District to meet requirements per NYSDOH 67-4 to test potable water for lead contamination. Laboratory analysis of those samples indicated that six (6) samples exceeded the NYSDOH action level.

Following the implementation of corrective actions, six (6) samples were collected on 6/23/17 at the locations of the initial exceedances and forwarded for analysis, per EPA Method 200.8, at an NYSDOH Environmental Laboratory Approval Program protocol.

A review of these records indicates that lead exceeds the NYSDOH action level in multiple samples. The NYSDOH lead in school drinking water action level is 15 micrograms per liter (ug/L) or parts per billion (ppb). Please refer to **Part 2** for additional detail on these exceedances.

Part 3 offers detail on each drinking water outlet that was sampled & analyzed. **Part 4** details our sample methodology. **Part 5** lists firm, laboratory, and staff credentials.

Our New York State representative was John Glavin. Analysis was conducted at Merit Laboratories, Inc. East Lansing, Michigan

PART 2: EXCEEDANCE SUMMARY

Alden Middle School
13250 Park Street
Alden, NY 14004
UNYSE Project: 17-0623JGA

Sample #	Room Name	Wall ID	Outlet #	Outlet Type	Initial Results (ppb)	Rerun 1 Results (ppb)	Rerun 2 Results (ppb)
A19	245	C	A19	S2	153	20	227
A24	250	D	A24	S	24	NA	16
A34	240	D	A34	S1	123	56	44
A36	240	B	A36	S1	18	59	43

Note: A24 was not resampled at the time of the first retest.

Key:

Sample #: Sample ID
Wall ID: Unique wall location utilizing HUD identification protocol A, B, C or D
Outlet #: same as sample ID
Outlet Type: S-Sink, DF-Drinking Fountain, T-Trough Sink
Mg/L: milligrams per liter
Ppb: parts per billion
ND: None Detected
NA: Not Available

PART 3: SAMPLING & ANALYSIS WORKSHEET

Alden Middle School
13250 Park Street
Alden, NY 14004
UNYSE Project: 17-0623JGA

Sample #	Room Name	Wall ID	Outlet #	Outlet Type	Initial Results (ppb)	Rerun 1 Results (ppb)	Rerun 2 Results (ppb)	Exceeds NYSDOH Limits
A19	245	C	A19	S2	153	20	227	YES
A24	250	D	A24	S	24	NA	16	YES
A25	243	C	A25	S	48	22	9	NO
A34	240	D	A34	S1	123	56	44	YES
A36	240	B	A36	S1	18	59	43	YES
A37	240	B	A37	S2	45	46	6	NO

Note: A24 was not resampled at the time of the first retest.

Key:

Sample #: Sample ID
 Wall ID: Unique wall location utilizing HUD identification protocol A, B, C or D
 Outlet #: same as sample ID
 Outlet Type: S-Sink, DF-Drinking Fountain, T-Trough Sink
 Mg/L: milligrams per liter
 Ppb: parts per billion
 ND: None Detected
 NA: Not Available

PART 4: METHODOLOGY

Lead in school drinking water sampling is conducted in accordance with New York State (10 NYCRR 67-4) Public Health Law for laboratory analysis method EPA 200.8. .

UNYSE staff prepare a sampling plan that includes an outlet map if such is provided by the client, or staff record sample locations during the sampling activities. Site information is recorded on an electronic worksheet that records unique sample numbers corresponding to location; including room name/#, side/wall, outlet and outlet type and/or consistent with mapping prepared by the Client. A single 250 ml water sample is collected of the first draw from each cold water outlet before any water is used. The water shall be motionless for a minimum of 8 hours, but not more than 18 hours, before sample collection. Preparation of outlets is the responsibility of the client. Samples are collected in plastic sampling bottles with resealing caps that contain a nitric acid preservative required to maintain sample integrity for no less than 10 days. UNYSE Staff prepare chain of custody records for sample transfer.

Samples are shipped within 24 hours and delivered in no less than five days to the laboratory. Per 10 NYCRR 67-4 laboratories are accredited under New York State Department of Health Environmental Laboratory Approval Program (ELAP).

Laboratory is immediately expected to notify UNYSE if any sample exceed the NYSDOH Action Level (15 ppb). Analysis for these and other samples is routinely transmitted electronically and/or via USPS consistent with the analysis turnaround time (TAT) expectations set forth on the chain of custody.

When the laboratory notifies UNYSE of analysis that exceeds the action level (i.e. exceedance) UNYSE immediately transmits that information to the client. When these and the other analysis results are received, they are reviewed by the appropriate UNYSE staff, field notes are examined, and a report is compiled.

PART 5: STAFF, FIRM & LABORATORY CERTIFICATIONS

Staff Certifications



Firm Certification

United States Environmental Protection Agency

This is to certify that

Upper New York State Environmental

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.228

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires November 29, 2018

NY-672-6
Certification #
September 10, 2015
Issued On



Michelle Price
Michelle Price, Chief
Lead, Heavy Metals, and Inorganics Branch

Laboratory Certification

NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2018
Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. MAYA MURSHAK
MERIT LABORATORIES, INC.
2680 EAST LANSING DRIVE
EAST LANSING, MI 48823

NY Lab Id No.: 11814

is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Metals I

Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.8 Rev. 5.4
Lead, Total	EPA 200.8 Rev. 5.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4

Metals II

Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4

Non-Metals

Chloride	EPA 300.0 Rev. 2.1
Cyanide	EPA 335.4 Rev. 1.0
Fluoride, Total	EPA 300.0 Rev. 2.1
Sulfate (as SO ₄)	EPA 300.0 Rev. 2.1

Trihalomethanes

Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2

Volatile Aromatics

1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 524.2
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Serial No.: 56216

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



ASBESTOS | LEAD | MOLD | HAZMAT

ENVIRONMENTAL CONSULTANTS

877 466 4429

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