
WATER QUALITY TESTING

FOR

EAST DUBUQUE SCHOOL DISTRICT 119

ELEMENTARY SCHOOL

EAST DUBUQUE, ILLINOIS

NOVEMBER 10, 2017

PROJECT NUMBER: 17-18351



A DIVISION OF GALLAGHER BASSETT SERVICES, INC.

1550 Hubbard Ave., Batavia, IL 60510, 630-879-3006

TABLE OF CONTENTS

INTRODUCTION.....	1
RESULTS.....	1
PROFESSIONAL CERTIFICATION.....	1

Appendix I: Sample Locations and Sample Map

Appendix II: Laboratory Results

INTRODUCTION

East Dubuque School District 119 implemented a proactive program of water testing at East Dubuque Elementary School. Water sampling was conducted by Mr. Dan Petras of Aires Consulting on November 10, 2017. Mr. Geoffrey J. Bacci II, P.E. designed the study and developed this report.

All sampling methodology followed protocol required by The Lead in Drinking Water Testing Bill (LDWTB) and guidelines published by the Illinois Department of Public Health (IDPH). Detailed background information on testing requirements, methodology and lead health effects are included in the main report to the District that summarizes results and offers recommendations.

RESULTS

Field sheets identifying sample numbers and sample locations maps are included in Appendix I. Laboratory results are included in Appendix II.

All results were non-detectable (< 2 ppb) for lead.

Results should at minimum be posted on the District's website within 7 days. The sample results should be e-mailed to IDPH within 7 days.

PROFESSIONAL CERTIFICATION

Aires Consulting, a division of Gallagher Bassett Services, Inc. conducted this study in the interest of East Dubuque School District 119 to assist in meeting environmental obligations and regulations. In this respect, we hope the results of this study are useful. *This study was not intended to include every environmental exposure that may be present at the facility; only those items specifically addressed in the report were evaluated.* If you have any questions concerning this study please let us know.

Respectfully Submitted,

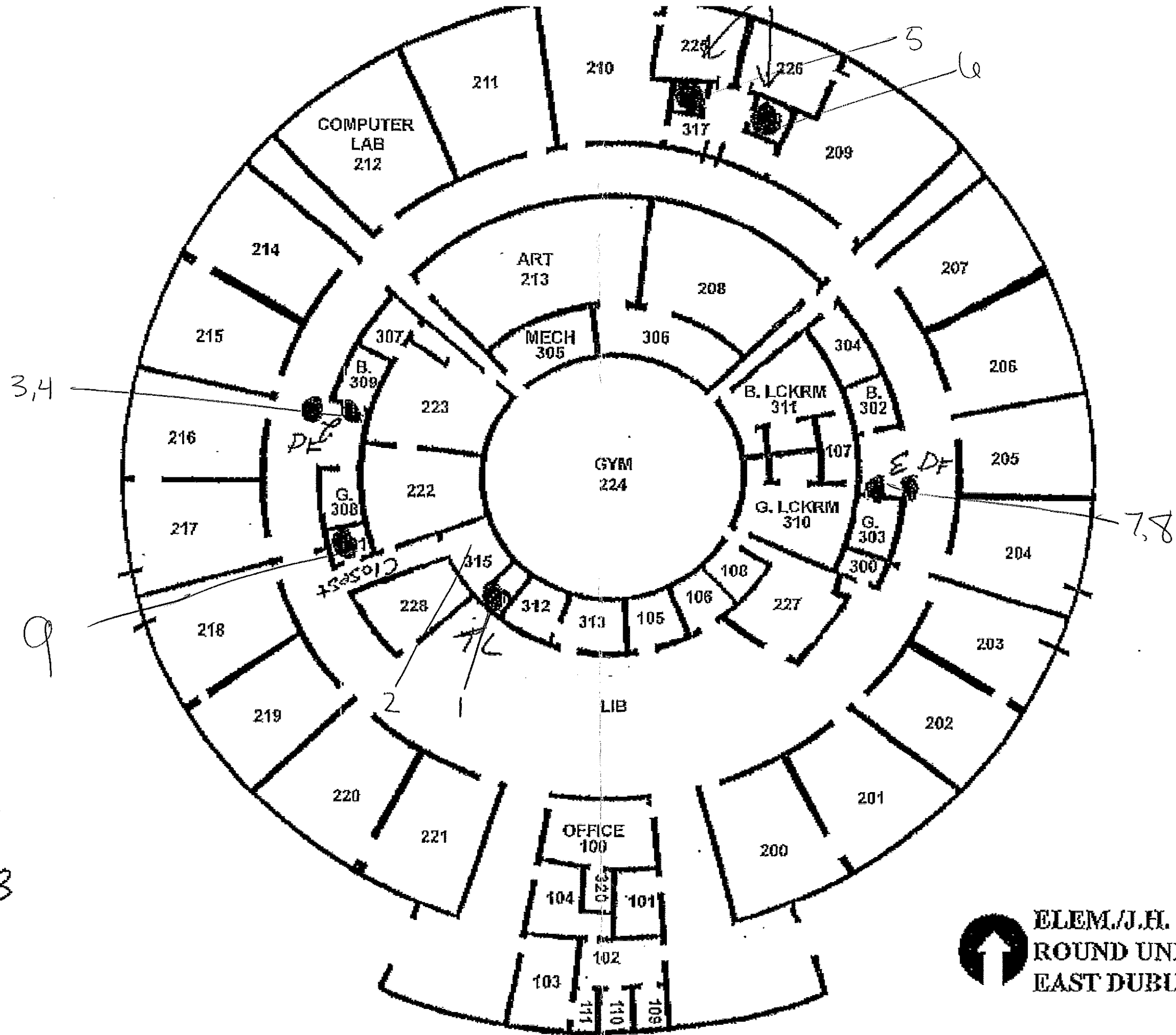


Geoffrey J. Bacci II, PE
Director of Operations

ISBE ID: _____
Building ID: _____
Building Description: EDElementary
Sample Collection Date: _____
Collected by: _____

Sample Time (12 HR clock)	Sample ID Number	Sample Location Description	Fixture Type	Date of Last Use	Time of Last Use (12 HR Clock)	Sample Type	Sample Volume (mL)	Notes
10:27	EDEWF-1A	Outside 22A				elkey		
10:27		1B						
10:31	EDES-2A	Teacher's lounge				Frankie		
10:31	2B							
10:35	EDENF-3A	Outside 21E				elkey		left
10:35	3B							
10:36	4A							right
10:36	4B							
10:39	EDES-5A	31E						
10:39	5B							
10:40	6A	319						
10:40	6B							
10:46	EDENF-7A	Outside 20S						left
10:46	7B							
10:46	EDBS-7C							
10:48	EDENF-8A							right
10:48	8B							
11:00	EDEIF-9	Mechanical						PH = 7.48

DF = 5
 CLASSROOM = 3
 IN = 1
 TOTAL = 9





Wednesday, December 6, 2017

Geoff Bacci II
 Aires Consulting Group
 1550 Hubbard Ave.
 Batavia, IL 60510
 TEL: (630) 879-3006
 FAX: (630) 879-3014

RE: East Dubuque Elementary School

PAS WO: 17K0438

Prairie Analytical Systems, Inc. received 18 sample(s) on 11/14/2017 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

This report shall not be reproduced, except in full, without the prior written consent of Prairie Analytical Systems, Inc.

If you have any questions, please feel free to contact me at (224) 253-1348.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Christina E. Pierce".

Christina E. Pierce
 Project Manager

Certifications: NELAP/NELAC - IL #100323

1210 Capital Airport Drive	*	Springfield, IL 62707	*	1.217.753.1148	*	1.217.753.1152 Fax
9114 Virginia Road Suite #112	*	Lake in the Hills, IL 60156	*	1.847.651.2604	*	1.847.458.0538 Fax

Prairie Analytical Systems, Inc.

Date: 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group
Project: East Dubuque Elementary School
Client Sample ID: EDEWF-1A
Collection Date: 11/10/17 10:27

Lab Order: 17K0438
Lab ID: 17K0438-01
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/29/17 7:46	11/29/17 11:58	EPA200.8 R5.	LAH

Client Sample ID: EDEWF-1B
Collection Date: 11/10/17 10:27

Lab ID: 17K0438-02
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/29/17 7:46	11/29/17 12:00	EPA200.8 R5.	LAH

Client Sample ID: EDES-2A
Collection Date: 11/10/17 10:31

Lab ID: 17K0438-03
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/29/17 7:46	11/29/17 12:02	EPA200.8 R5.	LAH

Client Sample ID: EDES-2B
Collection Date: 11/10/17 10:31

Lab ID: 17K0438-04
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/29/17 7:46	11/29/17 12:04	EPA200.8 R5.	LAH

Client Sample ID: EDEWF-3A
Collection Date: 11/10/17 10:35

Lab ID: 17K0438-05
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/29/17 7:46	11/29/17 12:07	EPA200.8 R5.	LAH

Client Sample ID: EDEWF-3B
Collection Date: 11/10/17 10:35

Lab ID: 17K0438-06
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/29/17 7:46	11/29/17 12:09	EPA200.8 R5.	LAH

Client Sample ID: EDEWF-4A
Collection Date: 11/10/17 10:36

Lab ID: 17K0438-07
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	11/29/17 7:46	11/29/17 12:11	EPA200.8 R5.	LAH

Prairie Analytical Systems, Inc.

Date: 12/6/2017

LABORATORY RESULTS

Client:	Aires Consulting Group					Lab Order:	17K0438				
Project:	East Dubuque Elementary School										
Client Sample ID:	EDEWF-4B					Lab ID:	17K0438-08				
Collection Date:	11/10/17 10:36					Matrix:	Drinking Water				
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst		
Metals by ICP-MS											
*Lead	U	2.00		µg/L	1	11/29/17 7:46	11/29/17 12:20	EPA200.8 R5.	LAH		
Client Sample ID:	EDES-5A					Lab ID:	17K0438-09				
Collection Date:	11/10/17 10:39					Matrix:	Drinking Water				
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst		
Metals by ICP-MS											
*Lead	U	2.00		µg/L	1	11/29/17 7:46	11/29/17 12:22	EPA200.8 R5.	LAH		
Client Sample ID:	EDES-5B					Lab ID:	17K0438-10				
Collection Date:	11/10/17 10:39					Matrix:	Drinking Water				
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst		
Metals by ICP-MS											
*Lead	U	2.00		µg/L	1	11/29/17 7:48	11/29/17 12:29	EPA200.8 R5.	LAH		
Client Sample ID:	EDES-6A					Lab ID:	17K0438-11				
Collection Date:	11/10/17 10:40					Matrix:	Drinking Water				
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst		
Metals by ICP-MS											
*Lead	U	2.00		µg/L	1	11/29/17 7:48	11/29/17 12:35	EPA200.8 R5.	LAH		
Client Sample ID:	EDES-6B					Lab ID:	17K0438-12				
Collection Date:	11/10/17 10:40					Matrix:	Drinking Water				
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst		
Metals by ICP-MS											
*Lead	U	2.00		µg/L	1	11/29/17 7:48	11/29/17 12:37	EPA200.8 R5.	LAH		
Client Sample ID:	EDEWF-7A					Lab ID:	17K0438-13				
Collection Date:	11/10/17 10:46					Matrix:	Drinking Water				
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst		
Metals by ICP-MS											
*Lead	U	2.00		µg/L	1	11/29/17 7:48	11/29/17 12:40	EPA200.8 R5.	LAH		
Client Sample ID:	EDEWF-7B					Lab ID:	17K0438-14				
Collection Date:	11/10/17 10:46					Matrix:	Drinking Water				
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst		
Metals by ICP-MS											
*Lead	U	2.00		µg/L	1	11/29/17 7:48	11/29/17 12:51	EPA200.8 R5.	LAH		

Prairie Analytical Systems, Inc.

Date: 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group
Project: East Dubuque Elementary School
Client Sample ID: EDEWF-7B
Collection Date: 11/10/17 10:46

Lab Order: 17K0438
Lab ID: 17K0438-14
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Client Sample ID: EDEBF-7C
Collection Date: 11/10/17 10:46

Lab ID: 17K0438-15
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	11/29/17 7:48	11/29/17 12:53	EPA200.8 R5.	LAH
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Client Sample ID: EDEWF-8A
Collection Date: 11/10/17 10:48

Lab ID: 17K0438-16
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	11/29/17 7:48	11/29/17 12:55	EPA200.8 R5.	LAH
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Client Sample ID: EDEWF-8B
Collection Date: 11/10/17 10:48

Lab ID: 17K0438-17
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	11/29/17 7:48	11/29/17 12:57	EPA200.8 R5.	LAH
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Client Sample ID: EDEIF-9
Collection Date: 11/10/17 11:00

Lab ID: 17K0438-18
Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
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Metals by ICP-MS

*Lead	U	2.00		µg/L	1	11/29/17 7:48	11/29/17 12:59	EPA200.8 R5.	LAH
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Conventional Chemistry Parameters

pH	7.48	0.0100		pH Units	1	11/10/17 11:00	11/10/17 11:00	EPA150.1	
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Prairie Analytical Systems, Inc.

Date: 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group

Project: East Dubuque Elementary School

Lab Order: 17K0438

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A007700 - EPA 200.8 Metals

Blank (A007700-BLK1)

Prepared & Analyzed: 11/29/201

Lead	U	2.00	µg/L
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LCS (A007700-BS1)

Prepared & Analyzed: 11/29/201

Lead	491	2.00	µg/L	500.00	98	85-115
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Matrix Spike (A007700-MS1)

Source: 17K0437-21

Prepared & Analyzed: 11/29/201

Lead	462	2.00	µg/L	500.00	0.480	92	75-125
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Matrix Spike (A007700-MS2)

Source: 17K0437-31

Prepared & Analyzed: 11/29/201

Lead	446	2.00	µg/L	500.00	0.0767	89	75-125
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Matrix Spike Dup (A007700-MSD1)

Source: 17K0437-21

Prepared & Analyzed: 11/29/201

Lead	471	2.00	µg/L	500.00	0.480	94	75-125	2	20
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Matrix Spike Dup (A007700-MSD2)

Source: 17K0437-31

Prepared & Analyzed: 11/29/201

Lead	486	2.00	µg/L	500.00	0.0767	97	75-125	9	20
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Batch A007702 - EPA 200.8 Metals

Blank (A007702-BLK1)

Prepared & Analyzed: 11/29/201

Lead	U	2.00	µg/L
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LCS (A007702-BS1)

Prepared & Analyzed: 11/29/201

Lead	481	2.00	µg/L	500.00	96	85-115
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Matrix Spike (A007702-MS1)

Source: 17K0438-10

Prepared & Analyzed: 11/29/201

Lead	443	2.00	µg/L	500.00	0.249	88	75-125
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Prairie Analytical Systems, Inc.

Date: 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group

Project: East Dubuque Elementary School

Lab Order: 17K0438

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A007702 - EPA 200.8 Metals

Matrix Spike (A007702-MS2)

Source: 17K0439-02

Prepared & Analyzed: 11/29/201

Lead	443	2.00	µg/L	500.00	0.133	89	75-125			
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Matrix Spike Dup (A007702-MSD1)

Source: 17K0438-10

Prepared & Analyzed: 11/29/201

Lead	449	2.00	µg/L	500.00	0.249	90	75-125	2	20	
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Matrix Spike Dup (A007702-MSD2)

Source: 17K0439-02

Prepared & Analyzed: 11/29/201

Lead	457	2.00	µg/L	500.00	0.133	91	75-125	3	20	
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Prairie Analytical Systems, Inc.**Date:** 12/6/2017

LABORATORY RESULTS

Client: Aires Consulting Group**Project:** East Dubuque Elementary School**Lab Order:** 17K0438

Notes and Definitions

* NELAC certified compound.

U Analyte not detected (i.e. less than RL or MDL).

Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152
 Chicago IL Office - 114 Virginia Rd., Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2604 - Facsimile (847) 458-9680
 Central / Southern IL Contact - Phone (217) 414-7762 - Facsimile (217) 753-1152



Client		Aires Consulting - Gallagher Bassett	
Address		1550 Hubbard Ave	
City, State, Zip Code		Batavia, IL 60510	
Phone / Facsimile		630.879.3006	
Project Name / Number		East Dubuque School District	
Project Location		East Dubuque Elementary School	
P.O. # or Invoice To		17-18351	
Contact Person		Geoff Bacci II	

Sample Description	Sampling		Matrix Code	Preserv Code	No. of Containers	Sample Type	
	Date	Time				Comp	Grab
Lead in Drinking Water - IL							

See attached Addendum (1 pages) for sample information (18 samples)

Unless otherwise noted:

Matrix Code: DW
 Preservative Code: 0
 No. of containers per sample: 1
 Sample Type: Grab
 Analysis requested: Lead in Drinking Water

Matrix Code	Preservative Code	Relinquished By		Received By		Date		Time		O - Oil	X - Other (Specify)
		Date	Time	Date	Time	3 - HNO3	4 - NaOH	5 - 5035 Kit	X - Other (Specify)		
		11/13/17	2:00	11/13/17	7:40						
		11/14/17	1:30pm	11/14/17	1:30						
		11/15/17	1:50	11/15/17	1:50						

Special Instructions:	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	QC Level	On wet ice?	Temperature (°C)
	Date Required:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	9.7

ISEB ID: 080431190222002

Building ID: 0801

Building Description: East Dubuque Elementary School

Sample Collection Date: 11/10/2017

Collected by: Dan Petras

Sample Time (12 HR Clock)	Sample ID Number	Sample Location Description	Fixture Type	Date of Last Use	Time of Last Use (12 HR Clock)	Sample Type	Sample Volume (mL)	Notes
10:27 AM	EDEWF-1A	Outside 228	WF - Water Cooler	11/9/2017	7:00 PM	First Draw	250	
10:27 AM	EDEWF-1B	Outside 228	WF - Water Cooler	11/9/2017	7:00 PM	Flush	250	
10:31 AM	EDES-2A	Teachers lounge	S - Sink	11/9/2017	7:00 PM	First Draw	250	
10:31 AM	EDES-2B	Teachers lounge	S - Sink	11/9/2017	7:00 PM	Flush	250	
10:35 AM	EDEWF-3A	Outside 215	WF - Water Cooler	11/9/2017	7:00 PM	First Draw	250	left
10:35 AM	EDEWF-3B	Outside 215	WF - Water Cooler	11/9/2017	7:00 PM	Flush	250	left
10:36 AM	EDEWF-4A	Outside 215	WF - Water Cooler	11/9/2017	7:00 PM	First Draw	250	right
10:36 AM	EDEWF-4B	Outside 215	WF - Water Cooler	11/9/2017	7:00 PM	Flush	250	right
10:39 AM	EDES-5A	Room 318	S - Sink	11/9/2017	7:00 PM	First Draw	250	
10:39 AM	EDES-5B	Room 318	S - Sink	11/9/2017	7:00 PM	Flush	250	
10:40 AM	EDES-6A	Room 319	S - Sink	11/9/2017	7:00 PM	First Draw	250	
10:40 AM	EDES-6B	Room 319	S - Sink	11/9/2017	7:00 PM	Flush	250	
10:46 AM	EDEWF-7A	Outside 205	WF - Water Cooler	11/9/2017	7:00 PM	First Draw	250	left
10:46 AM	EDEWF-7B	Outside 205	WF - Water Cooler	11/9/2017	7:00 PM	Flush	250	left
10:46 AM	EDEBF-7C	Outside 205	O - Other	11/9/2017	7:00 PM	First Draw	250	left bottle fill
10:48 AM	EDEWF-8A	Outside 205	WF - Water Cooler	11/9/2017	7:00 PM	First Draw	250	right
10:48 AM	EDEWF-8B	Outside 205	WF - Water Cooler	11/9/2017	7:00 PM	Flush	250	right
11:00 AM	EDEIF-9	Mechanical room	O - Other	11/9/2017	7:00 PM	Flush	250	pH = 7.48