
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

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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) an 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 Districts 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,

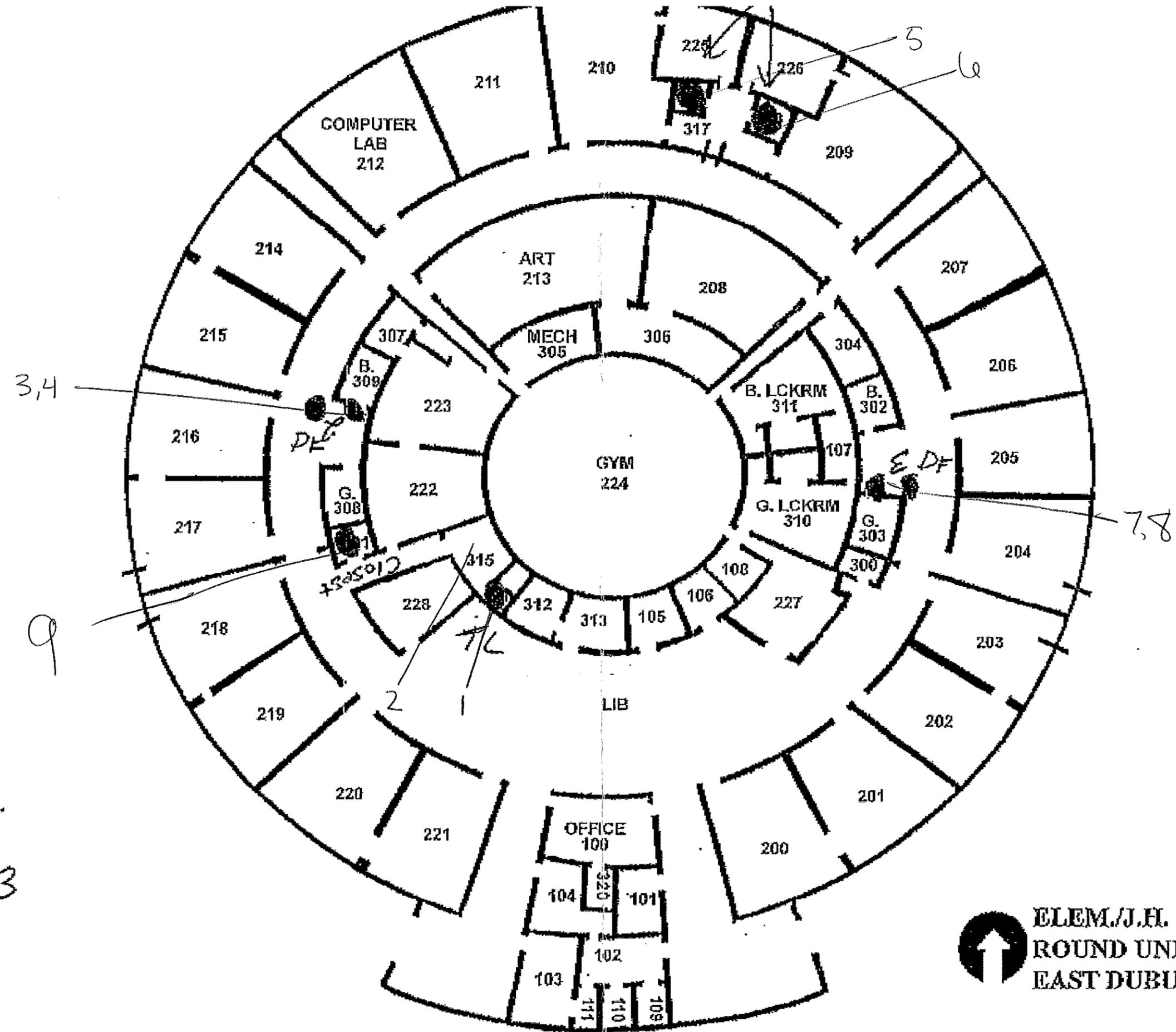


Geoffrey J. Bacci II, PE
Director of Operations

Aires Consulting - Gallagher Bassett
 Project Number: 17-_____

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	EDEM-F-3A	Outside 21E				elkey		left
10:35								
10:36								right
10:39	EDES-5A	318						
10:39		5B						
10:40		6A						
10:40		319						
10:40		6B						
10:46	EDEM-F-7A	Outside 20S						left
10:46		7B						
10:46	EDEBF-7C							
10:48	EDEM-F-8A							right
10:48		8B						
11:00	EDEIF-9	Mechanical						pH = 7.48



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

 ELEM./J.H. SCHOOL
 ROUND UNIT
 EAST DUBUQUE, IL



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

LCS (A007700-BS1)

Prepared & Analyzed: 11/29/201

Lead 491 2.00 µg/L 500.00 98 85-115

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

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

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

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

Batch A007702 - EPA 200.8 Metals**Blank (A007702-BLK1)**

Prepared & Analyzed: 11/29/201

Lead U 2.00 µg/L

LCS (A007702-BS1)

Prepared & Analyzed: 11/29/201

Lead 481 2.00 µg/L 500.00 96 85-115

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

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			
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	
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	

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 - 6114 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



www.prairieanalytical.com

Client Aires Consulting - Gallagher Bassett		Analysis and/or Method Requested Lead in Drinking Water - IL		Reporting <input type="checkbox"/> CCDD <input type="checkbox"/> Residential <input type="checkbox"/> Industrial / Commercial <input type="checkbox"/> A <input type="checkbox"/> D <input type="checkbox"/> B <input type="checkbox"/> E <input type="checkbox"/> C <input type="checkbox"/> F <input type="checkbox"/> Residential <input type="checkbox"/> Industrial			
Address 1550 Hubbard Ave				TACO			
City, State, Zip Code Batavia, IL 60510				CALM			
Phone / Facsimile 630.879.3006				RISC			
Project Name / Number East Dubuque School District				Sampler Comments			
Project Location East Dubuque Elementary School							
P.O. # or Invoice No 17-18351							
Contact Person Geoff Bacci II							
Sample Description	Date	Sampling Time	Matrix Code	Preserv Code	No. of Containers		Sample Type
					Comp	Grab	
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		A - Aqueous		DW - Drinking Water		GW - Ground Water	
Preservative Code		0 - None		1 - HCl		2 - H2SO4	
Received By		Date		Time		Received By	
<i>[Signature]</i>		11/13/17		2:00		<i>[Signature]</i>	
<i>[Signature]</i>		11/14/17		1:30pm		<i>[Signature]</i>	
<i>[Signature]</i>		11/15/17		1500		<i>[Signature]</i>	
O - Oil		Date		Time		Method of Shipment	
5 - 5035 Kit		11/14/17		7 AM		Hand	
		11/14/17		1330			
		11/15/17		1500			
NA - Non-Aqueous Liquid		S - Solid		QC Level		Temperature (°C)	
3 - HNO3		4 - NaOH		1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		9.7	
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Date Required:		On wet ice? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

ISEE ID: 80431190222002
 Building ID: 051
 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