2016 WATER QUALITY REPORT

COMMUNITY WATER SUPPLY TESTING

COMMUNITY CONSOLIDATED SCHOOL DISTRICT 181
MONROE ELEMENTARY SCHOOL
210 N. MADISON STREET
HINSDALE, ILLINOIS
IES NO. 915-16



630-718-9133 FAX 630-718-9114

April 28, 2016

C-11803

Mr. Mike Duggan Facilities Coordinator Community Consolidated School District 181 115 West 55th Street Clarendon Hills, Illinois 60514

Dear Mr. Duggan:

Final Report
Community Water Supply Testing
Community Consolidated School District 181
Monroe Elementary School
210 N. Madison Street
Hinsdale, Illinois
IES No. 915-16

Integrity Environmental Services, Inc. has completed this final Community Water Supply Testing Report for the above referenced School District facility. One (1) original and one (1) copy of the Report have been provided.

This Report has been prepared based on laboratory analysis data from water samples collected during our April 2, 2016 sampling event.

Opinions made or formed, other than those expressed herein are those of the reader and in no way shall obligate Integrity Environmental Services, Inc. The findings presented in this Report are representative of the date and times that the samples were collected. The findings presented herein should not be used or relied upon to evaluate the water quality sample data obtained at significantly later dates.

If you have any questions, please feel free to contact our office at (630) 718-9133.

INTEGRITY ENVIRONMENTAL SERVICES, INC.

Mark J. Ravanesi President

MJR/ks

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- PROJECT NARRATIVE
- 2. 2016 SAMPLE RESULTS, CHAIN-OF-CUSTODY AND LABORATORY FORMS
- 3. SAMPLE LOCATION DIAGRAM



PROJECT NARRATIVE

2016 WATER QUALITY REPORT

COMMUNITY WATER SUPPLY TESTING

COMMUNITY CONSOLIDATED SCHOOL DISTRICT 181
MONROE ELEMENTARY SCHOOL
210 N. MADISON STREET
HINSDALE, ILLINOIS
IES NO. 915-16

INTRODUCTION:

This 2016 Water Quality Report has been prepared on behalf of Community Consolidated School District 181 (the Owner) to summarize the Community Water Supply Testing conducted at the Monroe Elementary School located in Hinsdale, Illinois. The subject school is part of a Community Water System (CWS) as defined by the Environmental Protection Agency (EPA) and the Illinois Department of Public Health (IDPH). A Community Water System is further defined as a public water system that supplies water to the same population year-round.

SAMPLING SUMMARY:

The United States Environmental Protection Agency (USEPA) has adopted regulations which require all Community Water Supply Systems be analyzed for a wide range of chemicals and potential contaminants. This testing work is required to ensure clean drinking water to all inhabitants. The required testing is regularly performed by the EPA and/or system operators, usually at the source and/or point of treatment.

When the need arises, sampling may also be performed by the end user to ensure that the water being supplied has not been contaminated in route. The sampled water may then be tested for one or more of the many possible contaminants.

During this sampling event, the parameters of this potable water testing at Monroe Elementary School consisted of one (1) sample for Arsenic analysis and five (5) samples for Lead and Copper analysis. While the samples collected during this sampling event were not requested by any Federal, State, or local regulatory agency, when collected, the Arsenic sample is required to be collected from a location that is considered a consistent potable or drinking water source such as a cafeteria sink. The Lead and Copper samples are also required to be collected from locations that are considered a consistent potable or drinking water source, such as a classroom sink and water fountains.

The water sample location sources are noted on the sample location drawing and on the sample chain-of-custody form included with this Report in Section 2.

SAMPLING METHODOLOGY:

Integrity Environmental Services, Inc. (IES) was contracted by the Owner to conduct the potable water sampling at Monroe Elementary School. The water sampling was conducted on April 2, 2016. These samples were collected from various sites throughout the school, including a drinking fountain in the first floor hallway located adjacent to the restrooms in the original portion of the school, a sink in the girls' restroom located on the first floor of the original portion of the school, a sink in the teachers' lounge (Room 211) located on the second floor of the original portion of the school, a sink in a staff restroom located between Classrooms 127 and 128, and a drinking fountain in the hallway adjacent to the restrooms outside of the school's gymnasium. As required by the sampling methodology for Lead and Copper, all sampling locations were allowed to settle for more than six (6) hours prior to sampling. After settling, samples were then collected by drawing water from the source directly into the pre-labeled/pre-preserved sampling containers.

Following the collection of the Lead and Copper samples, the Arsenic sample was (as required) collected by drawing water from the source directly into a pre-labeled/pre-preserved sampling container. The sample was collected from the drinking fountain in the first floor hallway located adjacent to the restrooms in the original portion of the school. After sample collection, sampling containers for both Arsenic and Lead and Copper were placed directly into an iced cooler for transportation to an accredited analytical laboratory.

ANALYTICAL RESULTS:

The Community Water Supply testing at Community Consolidated School District 181, Monroe Elementary School facility revealed no elevated levels of Arsenic or Lead and Copper in the water samples. All sample results were below the acceptable levels set forth by the EPA and IDPH.

CONCLUSIONS:

There were no elevated levels of the subject testing constituents discovered during the Community Water Supply sampling activities.



Analytical Report

Mark Ravanesi Integrity Env. Services, Inc. 1240 Iroquois Drive Naperville, IL 60563-8538 April 22, 2016

Work Order: 16D0311

RE:

Drinking Water

Monroe Elementary School

Dear Mark Ravanesi:

Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

This is a revised report please see case narrative

Sincerely,

Approved by,

Jason Cristino Groundwater Project Manager

847.967.6666 JCristino@emt.com

Approved for release: 4/22/2016 4:37:56PM

Matthew Gregory Technical Manager

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. Detection and Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

State of Illinois, NELAP Accredited Lab No. 100256, Cert No. 003674



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Sample Summary

	Laboratory ID	Matrix	Date Sampled	Date Received
Sample ID			04/02/16 00:00	04/05/16 13:30
MON-01	16D0311-01	Drinking Water		04/05/16 13:30
MON-02	16D0311-02	Drinking Water	04/02/16 00:00	7 - C - C - C - C - C - C - C - C - C -
MON-03	16D0311-03	Drinking Water	04/02/16 00:00	04/05/16 13:30
	16D0311-04	Drinking Water	04/02/16 00:00	04/05/16 13:30
MON-04		Drinking Water	04/02/16 00:00	04/05/16 13:30
MON-05	16D0311-05	Difficing water		



Case Narrative

Date: 04/22/2016

Client:

Integrity Env. Services, Inc.

Project:

Drinking Water

Monroe Elementary School

Work Order: 16D0311

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Sample results only relate to the sample(s) received at the laboratory and analytes of interest tested.

Work Order: 16D0311

The samples were received on 04/05/16 13:30. The samples arrived in good condition and properly preserved. The temperature of the

cooler at receipt was

Cooler

Temp C°

Default Cooler

4.2

Refer to Qualifiers and Definitions for quality and analytical clarifications or deviations.

Revised Report:

The samples for Arsenic were re-run due to a blank contamination



Client Sample Results

Client:

Integrity Env. Services, Inc.

Project:

Drinking Water

Monroe Elementary School

Work Order:

16D0311

Client Sample ID: MON-01

Report Date: 04/22/2016

Collection Date: 04/02/2016 00:00

Matrix: Drinking Water Lab ID: 16D0311-01

Analyses		Result	EMT Reporting Limit	Qual	Units	Reg Limit MDL	Date/Time Analyzed	Batch	Analyst	DF
Metals by	ICP-MS									
Arsenic Copper Lead	Method: E200.8	< 0.0100	0.0100 0.0312 0.0150		mg/L mg/L mg/L	0.01 0.0000800 1.3 0.00375 0.015 0.000750	04/21/16 11:33 04/06/16 19:20 04/06/16 19:20	B6D0705 B6D0160 B6D0160	AG AG AG	2 5 5



Client Sample Results
(Continued)

Client:

Work Order:

Integrity Env. Services, Inc.

Project:

integrity Env. Controcc, in

Drinking Water Monroe Elementary School

16D0311

Client Sample ID: MON-02

Report Date: 04/22/2016

Collection Date: 04/02/2016 00:00

Matrix: Drinking Water Lab ID: 16D0311-02

EMT Date/Time Reg Reporting Batch **Analyst** DF **Analyzed** Limit MDL Qual Units Limit Result **Analyses** Metals by ICP-MS Method: E200.8 5 B6D0160 AG 04/06/16 19:30 1.3 0.00375 0.0312 mg/L 0.307 Copper 5 B6D0160 AG 04/06/16 19:30 0.015 0.000750 < 0.0150 0.0150 mg/L Lead



Client Sample Results

(Continued)

Client:

Integrity Env. Services, Inc.

Project: Drinking Water

Monroe Elementary School

Work Order:

16D0311

Client Sample ID: MON-03

Report Date: 04/22/2016

Collection Date: 04/02/2016 00:00

Matrix: Drinking Water

Lab ID: 16D0311-03

Austraca		Result	EMT Reporting Limit	Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
Analyses Metals by	/ ICP-MS Method: E200.8									
Copper Lead		0.310 < 0.0150	0.0312 0.0150	mg/L mg/L	1.3 0.015	0.00375 0.000750	04/06/16 19:33 04/06/16 19:33	B6D0160 B6D0160	AG AG	5



Client Sample Results

(Continued)

Client:

Integrity Env. Services, Inc.

Project:

Work Order:

Drinking Water Monroe Elementary School

: 16D0311

Domana day

Client Sample ID: MON-04

Report Date: 04/22/2016

Collection Date: 04/02/2016 00:00

Matrix: Drinking Water

Lab ID: 16D0311-04

Analyses		Result	EMT Reporting Limit	Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
Metals by	ICP-MS									
Copper Lead	Method: E200.8	0.180 < 0.0150	0.0312 0.0150	mg/L mg/L	1.3 0.015	0.00375 0.000750	04/06/16 19:35 04/06/16 19:35	B6D0160 B6D0160	AG AG	5 5



(Continued)

Client Sample Results

Client:

Integrity Env. Services, Inc.

Project:

Drinking Water

Monroe Elementary School

Work Order:

16D0311

Client Sample ID: MON-05

Report Date: 04/22/2016

Collection Date: 04/02/2016 00:00

Matrix: Drinking Water

Lab ID: 16D0311-05

Analyses		Result	EMT Reporting Limit	Qual	Units	Reg Limit	MDL	Date/Time Analyzed	Batch	Analyst	DF
Metals by	y ICP-MS										
Copper Lead	Method: E200.8	0.183 < 0.0150	0.0312 0.0150		mg/L mg/L	1.3 0.015	0.00375 0.000750	04/06/16 19:37 04/06/16 19:37	B6D0160 B6D0160	AG AG	5 5



Dates Report

Client:

Integrity Env. Services, Inc.

Project:

Drinking Water

Monroe Elementary School

Work Order:

16D0311

Report Date: 04/22/2016

t ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
6D0311-01	MON-01	04/02/16	Drinking	Lead, Total ICP-MS		04/06/16 13:45	04/06/16 19:20	B6D0160	S6D0075
			Water	Copper, Total ICP-MS		04/06/16 13:45	04/06/16 19:20		
				Arsenic, Total ICP-MS		04/21/16 09:22	04/21/16 11:33	B6D0705	S6D0292
6D0311-02	MON-02			Lead, Total ICP-MS		04/06/16 13:45	04/06/16 19:30	B6D0160	S6D0075
000311-02	D0311-02 MON-02			Copper, Total ICP-MS		04/06/16 13:45	04/06/16 19:30		
D0311-03	MON-03			Lead, Total ICP-MS		04/06/16 13:45	04/06/16 19:33		
300011 00				Copper, Total ICP-MS		04/06/16 13:45	04/06/16 19:33		
6D0311-04	MON-04			Lead, Total ICP-MS		04/06/16 13:45	04/06/16 19:35		
00001101				Copper, Total ICP-MS		04/06/16 13:45	04/06/16 19:35		
6D0311-05	MON-05			Lead, Total ICP-MS		04/06/16 13:45	04/06/16 19:37		
0,000,1100				Copper, Total ICP-MS		04/06/16 13:45	04/06/16 19:37		



Quality Control

Client: Project: Integrity Env. Services, Inc.

Drinking Water

Monroe Elementary School

Report Date: 04/22/2016

Matrix: Drinking Water

		Met	als by IC	CP-MS							
		Reporting		Spike	Source	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
nalyte	Result	Limit	Units	Level	Result	%REC	LITHIS	IXI D			
latch: B6D0160											
lank (B6D0160-BLK1)				Prepared	: 04/06/2016	13:45	Analyzed: 04/0	06/2016 1	9:04		
	< 0.0312	0.0312	mg/L								5
rsenic	< 0.0312	0.0312	mg/L								5
opper ead	< 0.0312	0.0312	mg/L								5
CS (B6D0160-BS1)				Prepared	1: 04/06/2016	13:45	Analyzed: 04/	06/2016 1	9:07		
	1.11	0.0312	mg/L	1.250		88.7	85-115				5
rsenic	1.30	0.0312	mg/L	1.250		104	91.6-112				5
opper ead	1.30	0.0312	mg/L	1.250		104	85-115				5
latrix Spike (B6D0160-MS1)		Source: 16l	00312-01	Prepared	d: 04/06/2016	3 13:45	Analyzed: 04/	06/2016	19:41		
	1.13	0.0312	mg/L	1,250	0.0128	89.6	70-130				;
rsenic	1.49	0.0312	mg/L	1.250	0.221	101	70-130				
opper ead	1.27	0.0312	mg/L	1.250	ND	102	70-130				
Matrix Spike (B6D0160-MS2)		Source: 160	0947-05	Prepare	d: 04/06/201	6 13:45	Analyzed: 04/	/06/2016	20:09		
	1.13	0.0312	mg/L	1.250	ND	90.4	70-130				
rsenic	4.51	0.0312	mg/L	1.250	3.24	101	70-130				
Copper ead	1.35	0.0312	mg/L	1.250	ND	108	70-130				
Matrix Spike Dup (B6D0160-MSD1)		Source: 16	D0312-01	Prepare	d: 04/06/201	6 13:45	Analyzed: 04	/06/2016	19:43		
	1.16	0.0312	mg/L	1.250	0.0128	91.4	70-130	2.01	20		
Arsenic	1.52	0.0312	mg/L	1.250	0.221	104	70-130	1.79	20		
Copperead	1.31	0.0312	mg/L	1.250	ND	105	70-130	2.73	20		
Matrix Spike Dup (B6D0160-MSD2)		Source: 16	C0947-05	Prepare	ed: 04/06/201	6 13:45	Analyzed: 04	1/06/2016	20:12		
	1.11	0.0312	mg/L	1.250	ND	88.9	70-130	1.73	20		
Arsenic	4.48	0.0312	mg/L	1.250	3.24	99.4	70-130	0.578	20		
Copper Lead	1.31	0.0312	mg/L	1.250	ND	105	70-130	3.42	20		
D-4-1- DCD070E											
Batch: B6D0705				Prenare	ad: 04/21/201	16 09:22	Analyzed: 04	4/21/2016	11:06		
Blank (B6D0705-BLK1)	< 0.0100	0.0100	mg/L	riepaid	50. 0472 1720 I	0 00.22					
Arsenic	< 0.0100	0.0100	mg/L								
LCS (B6D0705-BS1)							Analyzed: 0	4/21/2016	11:08		
Arsenic	0.101	0.0100	mg/L	0.1000		101	85-115				
Post Spike (B6D0705-PS1)	30	ource: 16D03	04-01RE1	Prepar	ed: 04/21/20	16 09:22	Analyzed: 0	4/21/2016	11:12		
							80-120				



Certified Analyses included in this Report

Analyte	CAS#	Certifications	
E200.8 in Drinking Water			
Arsenic	7440-38-2	ILEPA	
Copper	7440-50-8	ILEPA	
Lead	7439-92-1	ILEPA	

List of Certifications

Code	Description	Number	Expires
AKDEC	State of Alaska, Dept. Environmental Conservation	UST-105	07/16/2016
CPSC	US Consumer Product Safety Commission, Accredited by PJLA Lab No.	L14-56	04/30/2016
DoD	1050 Department of Defense, Accredited by PJLA	L14-55	04/30/2016
ILEPA	State of Illinois, NELAP Accredited Lab No. 100256	003674	07/27/2016
ISO	ISO/IEC 17025, Accredited by PJLA	L14-56	04/30/2016
LELAP	State of Louisiana, NELAP Accredited Lab No. 171344	05015	06/30/2016
WDNR	State of Wisconsin Dept of Natural Resources	999888890	08/31/2016



Qualifiers and Definitions

Item Description

%Rec Percent Recovery



ENVIRONMENTAL **MONITORING AND** TECHNOLOGIES, INC.

PM: Jason Cristino Integrity Env. Services, Inc.

ody Record

	TURNARAOUND TIME:
	RUSH
	day turnaround
L	ROUTINE

POLICY ON BACK

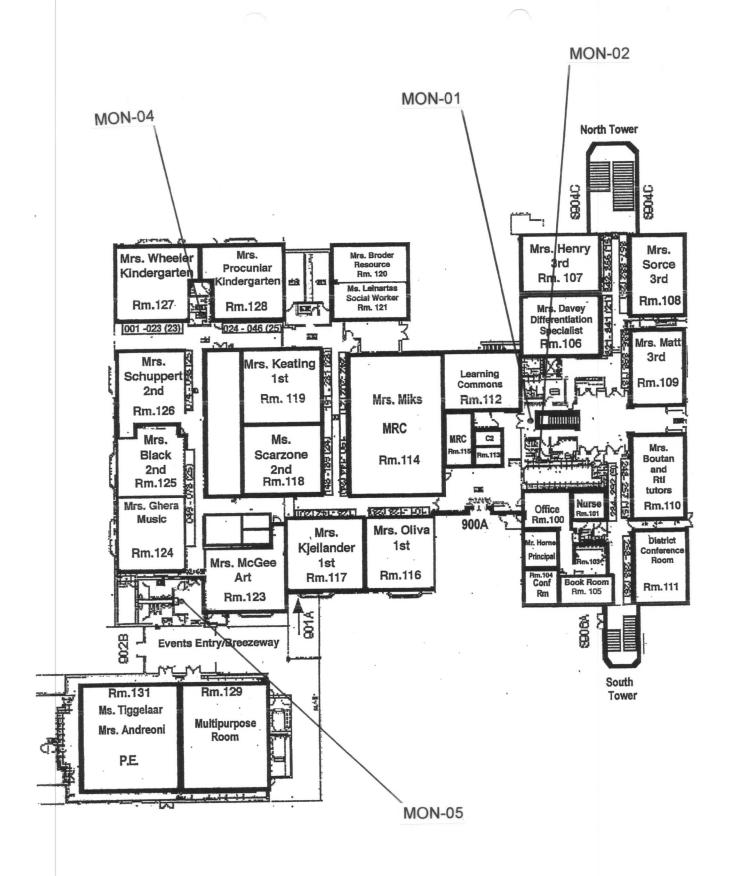
8100 North Austin Avenue Morton Grove, Illinois 60053-3203

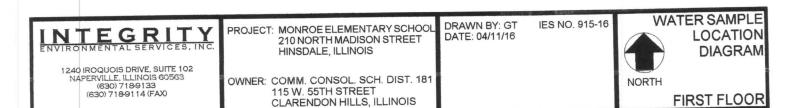
Drinking Water coc #1915325 FF FF VV. TILL. COIL Due Date: INTELLMING ENVIRONMENTAL **Analyses** Sample Type: Waste Water 4. Sludge 7. Groundwater (filtered) 1240 MOQUONTON. (TE 102 Address: Drinking Water 5. Oil 8. Other 6. Groundwater Container Type: P Plastic V-VOC VIal O-Other Phone #: (630) 718-9133 Fax #: (630) 718-9114 EMIT G - Glass B - Tediar Bag USE P.O. #: Preservative: ONLY Client Contact: WAME MAUNDESA 4. NaOH 7. Zn Ace 1. None 2. H₂SO₄ 5. HCI 8. Other Project ID / Location: MONTED & ELEMENTARY SENDOL 3)HNO: **EMT** 6. MeOH WORKORDER Preservation Container Sampling Sample Sample I.D. #1606311 Type Size Type No. By Date Time pH Temp. Field Lab MON - 01 DIA 250 WK 14.2-16 70,3 DaA 71.6 02 03A 71.2 03 044 694 04 05A 05 67.8 Date: 4 - 5 - 16 Relinguished Received By: SAMPLE RECEIVED **EMT USE ONLY** Date ON ICE Time: Time: Client Code: TEMPERATURE (Mast be recorded if sampling was greater than 6 hrs. prior to Received By: Relinquished By: **EMT Project I.D.** Date: Date: sample receipt) Time: Time: Relinquished By Received For Lab By Jar Lot No Date: Date: **EMT SAMPLE RETURN**

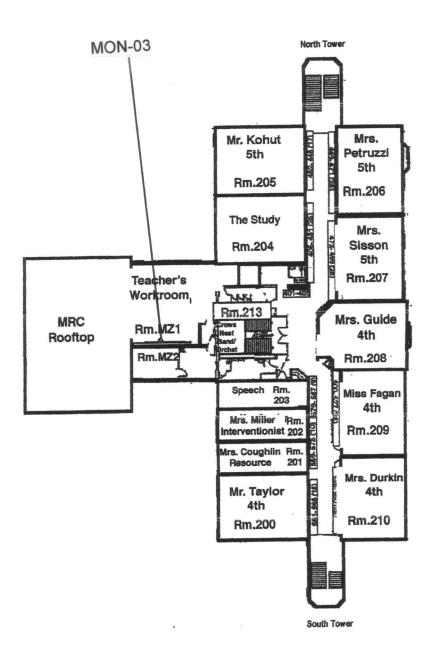
Time:

SPECIAL INSTRUCTIONS:

Time:









1240 IROQUOIS DRIVE, SUITE 102 NAPERVILLE, ILLINOIS 60563 (630) 7189133 (630) 7189114 (FAX)

PROJECT: MONROE ELEMENTARY SCHOOL 210 NORTH MADISON STREET HINSDALE, ILLINOIS

OWNER: COMM. CONSOL. SCH. DIST. 181 115 W. 55TH STREET CLARENDON HILLS, ILLINOIS

DRAWN BY: GT DATE: 04/11/16

IES NO. 915-16



NORTH

SECOND FLOOR