

Analytical Report

Warren Chestang
South Holland School District 151
525 E 162nd St
South Holland, IL 60473

September 18, 2017

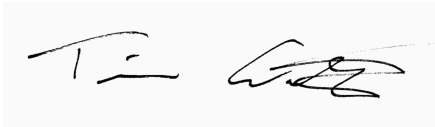
Work Order: 1710350

RE: Drinking Water Analysis
Eisenhower School

Dear Warren Chestang:

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.

Sincerely,



Tim Witrzek
Project Manager
847.967.6666

Approved by,



Matthew Gregory
Technical Manager

Approved for release: 9/18/2017 10:13:37AM

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. 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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Case Narrative

Client: South Holland School District 151

Date: 09/18/2017

Project: Drinking Water Analysis

Eisenhower School

Work Order: 1710350

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

Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Last Time Used:	Date Received
E1-1 1ST	1710350-01	Drinking Water	09/07/17 07:04	09/06/17 19:00	09/11/17 16:20
E1-2 2ND	1710350-02	Drinking Water	09/07/17 07:05	09/06/17 19:00	09/11/17 16:20
E2-1	1710350-03	Drinking Water	09/07/17 07:01	09/06/17 19:00	09/11/17 16:20
E2-2	1710350-04	Drinking Water	09/07/17 07:02	09/06/17 19:00	09/11/17 16:20
E3-1	1710350-05	Drinking Water	09/07/17 07:00	09/06/17 19:00	09/11/17 16:20
E3-2	1710350-06	Drinking Water	09/07/17 07:01	09/06/17 19:00	09/11/17 16:20
E4-1	1710350-07	Drinking Water	09/07/17 06:57	09/06/17 19:00	09/11/17 16:20
E4-2	1710350-08	Drinking Water	09/07/17 06:58	09/06/17 19:00	09/11/17 16:20
E5-1	1710350-09	Drinking Water	09/07/17 06:54	09/06/17 19:00	09/11/17 16:20
E5-2	1710350-10	Drinking Water	09/07/17 06:55	09/06/17 19:00	09/11/17 16:20
E6-1	1710350-11	Drinking Water	09/07/17 06:52	09/06/17 19:00	09/11/17 16:20
E6-2	1710350-12	Drinking Water	09/07/17 06:53	09/06/17 19:00	09/11/17 16:20
E7-1	1710350-13	Drinking Water	09/07/17 06:50	09/06/17 19:00	09/11/17 16:20
E7-2	1710350-14	Drinking Water	09/07/17 06:51	09/06/17 19:00	09/11/17 16:20
E8-1	1710350-15	Drinking Water	09/07/17 06:46	09/06/17 19:00	09/11/17 16:20
E8-2	1710350-16	Drinking Water	09/07/17 06:47	09/06/17 19:00	09/11/17 16:20
E9-1	1710350-17	Drinking Water	09/07/17 06:43	09/06/17 19:00	09/11/17 16:20
E9-2	1710350-18	Drinking Water	09/07/17 06:44	09/06/17 19:00	09/11/17 16:20
E10-1	1710350-19	Drinking Water	09/07/17 06:41	09/06/17 19:00	09/11/17 16:20
E10-2	1710350-20	Drinking Water	09/07/17 06:41	09/06/17 19:00	09/11/17 16:20
E11-1	1710350-21	Drinking Water	09/07/17 06:39	09/06/17 19:00	09/11/17 16:20
E11-2	1710350-22	Drinking Water	09/07/17 06:40	09/06/17 19:00	09/11/17 16:20
E12-1	1710350-23	Drinking Water	09/07/17 06:38	09/06/17 19:00	09/11/17 16:20
E12-2	1710350-24	Drinking Water	09/07/17 06:38	09/06/17 19:00	09/11/17 16:20
E13-1	1710350-25	Drinking Water	09/07/17 06:35	09/06/17 19:00	09/11/17 16:20
E13-2	1710350-26	Drinking Water	09/07/17 06:36	09/06/17 19:00	09/11/17 16:20

Narrative

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

Work Order: 1710350

The samples were received on 09/11/17 16:20. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was

<u>Cooler</u>	<u>Temp C°</u>
Default Cooler	5.2

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

Client Sample Results

Client: South Holland School District 151
Project: Drinking Water Analysis
 Eisenhower School
Work Order: 1710350

Report Date: 09/18/2017

Analyses	Result	EMT Reporting		Qual	Units	Date/Time Analyzed	Batch	Analyst
		Limit						
Client Sample ID: E1-1 1ST Collection Date: 9/7/2017 7:04:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-01		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 12:44	B710422	AG
Client Sample ID: E1-2 2ND Collection Date: 9/7/2017 7:05:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-02		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 12:45	B710422	AG
Client Sample ID: E2-1 Collection Date: 9/7/2017 7:01:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-03		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 12:46	B710422	AG
Client Sample ID: E2-2 Collection Date: 9/7/2017 7:02:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-04		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 12:47	B710422	AG
Client Sample ID: E3-1 Collection Date: 9/7/2017 7:00:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-05		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 12:49	B710422	AG
Client Sample ID: E3-2 Collection Date: 9/7/2017 7:01:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-06		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 12:50	B710422	AG

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Client Sample Results

(Continued)

Client: South Holland School District 151
Project: Drinking Water Analysis
 Eisenhower School
Work Order: 1710350

Report Date: 09/18/2017

Analyses	Result	EMT Reporting		Qual	Units	Date/Time Analyzed	Batch	Analyst
		Limit						
Client Sample ID: E4-1						Matrix: Drinking Water		
Collection Date: 9/7/2017 6:57:00AM		Last Time Used: 9/6/2017 7:00:00PM				Lab ID: 1710350-07		
Collection Volume: 250 ml bottle								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 12:51	B710422	AG
Client Sample ID: E4-2						Matrix: Drinking Water		
Collection Date: 9/7/2017 6:58:00AM		Last Time Used: 9/6/2017 7:00:00PM				Lab ID: 1710350-08		
Collection Volume: 250 ml bottle								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 12:52	B710422	AG
Client Sample ID: E5-1						Matrix: Drinking Water		
Collection Date: 9/7/2017 6:54:00AM		Last Time Used: 9/6/2017 7:00:00PM				Lab ID: 1710350-09		
Collection Volume: 250 ml bottle								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 12:56	B710422	AG
Client Sample ID: E5-2						Matrix: Drinking Water		
Collection Date: 9/7/2017 6:55:00AM		Last Time Used: 9/6/2017 7:00:00PM				Lab ID: 1710350-10		
Collection Volume: 250 ml bottle								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 12:57	B710422	AG
Client Sample ID: E6-1						Matrix: Drinking Water		
Collection Date: 9/7/2017 6:52:00AM		Last Time Used: 9/6/2017 7:00:00PM				Lab ID: 1710350-11		
Collection Volume: 250 ml bottle								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 12:58	B710422	AG
Client Sample ID: E6-2						Matrix: Drinking Water		
Collection Date: 9/7/2017 6:53:00AM		Last Time Used: 9/6/2017 7:00:00PM				Lab ID: 1710350-12		
Collection Volume: 250 ml bottle								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 12:59	B710422	AG

Client Sample Results

(Continued)

Client: South Holland School District 151
Project: Drinking Water Analysis
 Eisenhower School
Work Order: 1710350

Report Date: 09/18/2017

Analyses	Result	EMT Reporting		Qual	Units	Date/Time Analyzed	Batch	Analyst
		Limit						
Client Sample ID: E7-1 Collection Date: 9/7/2017 6:50:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-13		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:00	B710422	AG
Client Sample ID: E7-2 Collection Date: 9/7/2017 6:51:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-14		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:02	B710422	AG
Client Sample ID: E8-1 Collection Date: 9/7/2017 6:46:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-15		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:03	B710422	AG
Client Sample ID: E8-2 Collection Date: 9/7/2017 6:47:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-16		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:04	B710422	AG
Client Sample ID: E9-1 Collection Date: 9/7/2017 6:43:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-17		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:05	B710422	AG
Client Sample ID: E9-2 Collection Date: 9/7/2017 6:44:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-18		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:06	B710422	AG

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Client Sample Results

(Continued)

Client: South Holland School District 151
Project: Drinking Water Analysis
 Eisenhower School
Work Order: 1710350

Report Date: 09/18/2017

Analyses	Result	EMT Reporting		Qual	Units	Date/Time Analyzed	Batch	Analyst
		Limit						
Client Sample ID: E10-1 Collection Date: 9/7/2017 6:41:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-19		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:10	B710422	AG
Client Sample ID: E10-2 Collection Date: 9/7/2017 6:41:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-20		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:11	B710422	AG
Client Sample ID: E11-1 Collection Date: 9/7/2017 6:39:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-21		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:19	B710423	AG
Client Sample ID: E11-2 Collection Date: 9/7/2017 6:40:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-22		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:21	B710423	AG
Client Sample ID: E12-1 Collection Date: 9/7/2017 6:38:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-23		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:24	B710423	AG
Client Sample ID: E12-2 Collection Date: 9/7/2017 6:38:00AM Collection Volume: 250 ml bottle						Matrix: Drinking Water Lab ID: 1710350-24		
Last Time Used: 9/6/2017 7:00:00PM								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:25	B710423	AG

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Client Sample Results

(Continued)

Client: South Holland School District 151
Project: Drinking Water Analysis
 Eisenhower School
Work Order: 1710350

Report Date: 09/18/2017

Analyses	Result	EMT Reporting		Qual	Units	Date/Time Analyzed	Batch	Analyst
		Limit						
Client Sample ID: E13-1						Matrix: Drinking Water		
Collection Date: 9/7/2017 6:35:00AM					Last Time Used: 9/6/2017 7:00:00PM	Lab ID: 1710350-25		
Collection Volume: 250 ml bottle								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:27	B710423	AG
Client Sample ID: E13-2						Matrix: Drinking Water		
Collection Date: 9/7/2017 6:36:00AM					Last Time Used: 9/6/2017 7:00:00PM	Lab ID: 1710350-26		
Collection Volume: 250 ml bottle								
Metals by ICP-MS								
Method: E200.8								
Lead	< 2.00	2.00	U	ppb		09/14/17 13:28	B710423	AG

Qualifiers and Definitions

Item	Description
U	Analyte included in the analysis, but not detected
%Rec	Percent Recovery

Certified Analyses included in this Report

Analyte	CAS #	Certifications
E200.8 in Drinking Water		
Lead	7439-92-1	ILEPA

List of Certifications

Code	Description	Number	Expires
AKDEC	State of Alaska, Dept. Environmental Conservation	UST-105	07/16/2017
CPSC	US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050	L14-56	04/30/2018
DoD	Department of Defense, Accredited by PJLA	L14-55	04/30/2018
ILEPA	State of Illinois, NELAP Accredited Lab No. 100256	003674	08/08/2018
ISO	ISO/IEC 17025, Accredited by PJLA	L14-56	04/30/2018
LELAP	State of Louisiana, NELAP Accredited Lab No. 171344	05015	06/30/2017
NJDEP	State of New Jersey, NELAP Accredited Lab No. IL010	NLC160001	06/30/2017
WDNR	State of Wisconsin Dept of Natural Resources	999888890	08/31/2017

CHAIN OF CUSTODY



1710350

PM: Tim Wirtzek

South Holland School District 151
Drinking Water Analysis

Page 1 of 3

Phone: 47-324-3320
Fax: 847-967-6735

COC Number
Lab Work Order Number



Client Name Warren Chestans SHSD151	Project Name SHSD151	Requested Turn Around Rush requests subject to additional charge. Rush requests subject to lab approval. 7 Standard (days) Expedited (days) Due Date
Client Contact Warren Chestans	Project Number If applicable	
Address 16001 Minerva Ave	Project Description Eisenhower School	
City South Holland, IL.	PO Number	
State/Zip IL.	Shipped by	
Phone 208-732-9410	If applicable	
Sample Warren Chestans	Tracking Number	
	If applicable	
	Sample Signature <i>[Signature]</i>	

Sample Name or Field ID	Sampled Date	Sampled Time	Sample Type Code	Matrix Code	Container Count	Preservation Code	Sample Comments
E1-1 1st	9-7	7:04AM	Grab	DW	1		OK
E1-2 2nd	9-7	7:05AM					OK
E2-1	9-7	7:01AM					OK
E2-2	9-7	7:02AM					OK
E3-1	9-7	7:00AM					OK
E3-2	9-7	7:01AM					OK
E4-1	9-7	6:57AM					OK
E4-2	9-7	6:58AM					OK
E5-1	9-7	6:54AM					OK
E5-2	9-7	6:55AM					OK
E6-1	9-7	6:52AM					OK

Relinquished By <i>[Signature]</i>	Date/Time 08/11/17 13:25	Sample Kit Prepared By Tim Wirtzek	Date/Time 09/11/17 13:25
Relinquished By <i>[Signature]</i>	Date/Time 09/11/17 16:20	Comments Time of last water use at the facility -	Date/Time 9-6-17 7:00 PM
Relinquished By <i>[Signature]</i>	Date/Time 9/11/17 16:20		
Cooler Numbers and Temperatures 52			

Preserv. Codes: 3= Nitric Acid < 2, Store at 4 C

DW= Drinking Water



CHAIN OF CUSTODY

Environmental Monitoring and Technologies
 8100 Austin Ave
 Morton Grove
 IL, 60053-3203

Phone: 47-324-3320
 Fax: 847-957-6735

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 COC Number
 Lab Work Order Number

Client Name South Holland School District 151	Project Name SHSD151	Requested Analytes	Requested Turn Around
Client Contact Warren Chestang	Project Number If applicable		Rush requests subject to additional charge
Address 16001 Minerva Ave.	Project Description Eisenhower School		Rush requests subject to lab approval.
City South Holland	PO Number If applicable		Standard (days) 7
State/Zip IL	Shipped By If applicable		Expedited (days)
Phone 208-732-9410	Tracking Number If applicable		Due Date
Sample Warren Chestang	Sample Signature <i>[Signature]</i>		

Sample Name or Field ID	Sampled Date	Sampled Time	Sample Type Code	Matrix Code	Container Count	Preservation Code	Sample Comments
E6-2	9-7	6:53AM	Grab	DW	1		12A
E7-1	9-7	6:50AM					13A
E7-2	9-7	6:51AM					14A
E8-1	9-7	6:46AM					15A
E8-2	9-7	6:47AM					16A
E9-1	9-7	6:43AM					17A
E9-2	9-7	6:44AM					18A
F10-1	9-7	6:41AM					19A
E10-2	9-7	6:41AM					20A
E11-1	9-7	6:39AM					21A
E11-2	9-7	6:40AM					22A
							23A

Relinquished By <i>[Signature]</i>	Date/Time 08/11/17 13:25	Received By <i>[Signature]</i>	Date/Time 08/11/17 13:25	Sample Kit Prepared By Tim Wittrek	Date/Time
Relinquished By <i>[Signature]</i>	Date/Time 08/11/17 16:20	Received By <i>[Signature]</i>	Date/Time 08/11/17 16:20	Comments Time of last water use at the facility -	9-6-17 7:00 PM
Relinquished By <i>[Signature]</i>	Date/Time	Received By <i>[Signature]</i>	Date/Time		

Matrix Codes: DW= Drinking Water 3= Nitric Acid < 2, Store at 4 C

Preserv. Codes: 3= Nitric Acid < 2, Store at 4 C



CHAIN OF CUSTODY

Environmental Monitoring and Technologies
 8100 Austin Ave
 Morton Grove
 IL, 60053-3203

Phone: 47-324-3320
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COC Number
 Lab Work Order Number

Client Name <i>South Holland School District 151</i>	Project Name <i>SHSD151</i>
Client Contact <i>Warren Chestang</i>	Project Number If applicable
Address <i>16001 Minerva Ave.</i>	Project Description <i>Eisenhower School</i>
City <i>South Holland</i>	PO Number
State/Zip <i>IL</i>	Shipped By
Phone <i>708-732-9410</i>	If applicable
Sampler <i>Warren Chestang</i>	Tracking Number
	If applicable
	Sample Signature <i>Warren Chestang</i>

Requested Turn Around Rush requests subject to additional charge. Rush requests subject to lab approval.
Standard (days) 7
Expedited (days)
Due Date

Sample Name or Field ID	Sampled Date	Sampled Time	Sample Type Code	Matrix Code	Container Count	Preservation Code	Sample Comments
E12-1	9-7	6:38AM	Grab	DW	1	3	24A
E12-2	9-7	6:38AM	↓	↓	↓	↓	25A
E13-1	9-7	6:35AM	↓	↓	↓	↓	26A
E13-2	9-7	6:36AM	↓	↓	↓	↓	27A
							28A

Relinquished By <i>Warren Chestang</i>	Date/Time 09/10/19 13:15	Received By <i>[Signature]</i>	Date/Time 09/11/19 8:25	Sample Kit Prepared By Tim Witrzek	Date/Time
Relinquished By <i>[Signature]</i>	Date/Time 09/11/19 16:20	Received By <i>[Signature]</i>	Date/Time 09/11/19 16:20	Comments Time of last water use at the facility -	Date/Time
Relinquished By		Received By <i>[Signature]</i>	Date/Time 9/11/19	Time of last water use at the facility -	Date/Time

Matrix Codes: 3= Nitric Acid < 2, Store at 4 C
 DW= Drinking Water
 Cooler Numbers and Temperatures
 5.2
 9-6-17 2:00 PM