



4421 West Harrison Street
Hillside, Illinois 60162
phone: 708.236.0720
fax: 708.236.0721
intertek.com/building

June 26, 2017
(Revised August 9, 2017)

Mr. Michael Vilendrer
Director of Operations
Community Consolidated School District 62
525 South River Road
Des Plaines, Illinois 60016

RE: Water Sampling for Lead Content
Cumberland Elementary School
700 E. Golf Road
Des Plaines, Illinois 60016
PSI Project Number: 00473108

Dear Mr. Vilendrer:

In accordance with your request, Professional Service Industries, Inc. (PSI) Industrial Hygiene Technicians Ray Porter, conducted initial first-draw and second-draw lead-in-water testing of potable water sources at the above referenced School District 62 Facility. The sample's lead concentrations were compared to the State of Illinois notification level established by Senate Bill 550, Public Act 099-0922 enacted on January 16, 2017, establishing a notification level for lead in public school drinking water of 5 parts per billion (ppb).

PSI was authorized to conduct the lead-in-water sampling and analysis on May 25, 2017 by Community Consolidated School District 62, by a signed copy of PSI Proposal No. 0047-208550.

SCOPE

PSI understands that nineteen (19) high priority potable water sources are to be sampled in total from Cumberland Elementary School, at 700 East Golf Road, in Des Plaines, Illinois. At each high priority potable water source within the facility, two (2) water samples were obtained. The samples were collected from high priority potable water sources in the subject schools, including kitchen sinks, water fountains and other outlets that were designated by Community Consolidated School District 62 on sample location maps provided to PSI. The total number of samples collected and the sample locations were determined by the Community Consolidated School District 62.

METHODOLOGY

PSI collected samples at each high priority potable water source within the facility. Two (2) water samples per source were obtained. The first sample was obtained utilizing an initial "first draw" method. A "first draw" sample is defined as the first water to come out of the tap after an inactivity period of at least an 8-hours, but no more than 18-hours. After the collection of the "first draw sample" and after allowing the sample point to flush for 30 seconds, a second sample was collected in like fashion to the first. The samples were collected directly into laboratory-supplied 250 ml bottles containing a HNO₃ preservative solution.

The samples were delivered and transferred under chain of custody to STAT Analysis Corporation laboratory facility at 2242 West Harrison, Suite 200, Chicago, IL. Analysis for Lead was performed at STAT Analysis Corporation in Chicago, IL (NELAP Certification #100445).

All samples were analyzed for lead content by EPA Method 200.8, Inductively Coupled Plasma Mass-Spectrometry.

RESULTS

Sample summaries and locations, analytical results, and chain-of-custody paperwork, can be found in the attachments to this report. Analytical results indicating concentrations at or exceeding the Illinois State notification level drinking water standard for lead of 5 parts per billion (ppb) are displayed on the table 1.0 below. One (1) of the thirty-eight (38) samples collected at this facility exceeded the Illinois State notification level for lead-in-drinking water.

TABLE 1.0 – NON-COMPLIANT SAMPLES
Cumberland Elementary School
June 1, 2017

Source Number	Sample Location	Draw Number	Lead (Pb) Analytical Result (ppb)
2	Room 125	1	8.35

See Site Map in the Appendices for outlet locations
 1 ppb = 1 µg/L

Table 2.0, located at the end of this report, summarizes the laboratory data of the entire sampling event.

CONCLUSIONS

A total of one (1) sampled outlet at Cumberland Elementary School had lead (Pb) water concentrations that exceeded the State of Illinois notification level of 5 ppb at the time of PSI’s sampling. Please find the Laboratory analytical results attached for your review.

WARRANTY

The field observations, measurements, and research reported herein are considered sufficient in detail and scope to form for the analysis of the selected water quality parameters. The investigation and conclusions presented herein are based upon the subjective evaluation of limited data. They may not represent all conditions at the subject site as they reflect the information gathered from specific locations. PSI warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental investigation methodology and only for the site described in this report.

The water quality sampling and analysis has been developed to provide the client with information regarding select parameter concentrations in the water samples collected at the subject property. It is necessarily limited to the conditions observed and to the information available at the time of the work.

Due to the limited nature of the work, there is a possibility that there may exist conditions which could not be identified within the scope of the assessment or which were not apparent at the time of report preparation. It is also possible that the testing methods employed at the time of the report may later be superseded by other methods. PSI does not accept responsibility for changes in the state of the art, nor for changes in the regulations. PSI believes that the findings and conclusions provided in this report are reasonable. However, no other warranties are implied or expressed.

This report for the above referenced property represents the product of PSI's professional expertise and judgment in the environmental and industrial hygiene consulting industry. This report is certified to, can be relied upon by, and has been prepared for the exclusive use of the client.

PSI appreciates you selecting our services for your needs. Please contact us at 708-236-0720 should you have any questions regarding this report.

Respectfully,
PROFESSIONAL SERVICE INDUSTRIES, INC.



Ron Tulke
Department Manager



Jeff Chapman
Project Manager



Joseph L. Kuchnicki, CIE, CHMM
Principal-in-Charge, IH Services

TABLE 2.0 – SAMPLE SUMMARY

Cumberland Elementary
June 1, 2017

Source Number	Sample Location	Source Type	Draw Number 1 Lead Result (ppb)	Draw Number 2 Lead Result (ppb)
1	Room 126	S	<2.00	<2.00
2	Room 125	S	8.35	<2.00
2	Room 124	S	<2.00	<2.00
4	Room 123	S	2.96	<2.00
5	Outside Room 124	DF	<2.00	<2.00
6	Outside Room 124	DF	<2.00	<2.00
7	Outside Room 120	S	<2.00	<2.00
8	Outside Girls Restroom near Room 125	DF	<2.00	<2.00
9	Outside Girls Restroom near Room 125	DF	<2.00	<2.00
10	Kitchen	S	<2.00	<2.00
11	Kitchen	S	<2.00	<2.00
12	Room 140 Fountain	DF	<2.00	<2.00
13	Room 140 Sink	S	<2.00	<2.00
14	Outside Room 144	DF	<2.00	<2.00
15	Outside Room 144	DF	<2.00	<2.00
16	Outside Room 167	DF	<2.00	<2.00
17	Outside Room 175	DF	<2.00	<2.00
18	Main Office	S	<2.00	<2.00
19	Nurse's Office	S	<2.00	<2.00

Results in bold indicate findings above the notification level.

See Site Map in Appendix B for outlet locations

ppb = Parts per Billion

DF = Drinking Fountain

S = Sink

**ANALYTICAL DATA
&
CHAIN-OF-CUSTODY**

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

June 05, 2017

PSI

4421 W. Harrison St., Suite 510

Hillside, IL 60162

Telephone: (708) 236-0720

Fax: (708) 236-0721

Analytical Report for STAT Work Order: 17060015 Revision 0

RE: 00473108, Des Plaines School District 62

Dear Samantha Lodge:

STAT Analysis received 38 samples for the referenced project on 6/1/2017 11:24:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,


Justice Kwateng
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: PSI
Project: 00473108, Des Plaines School District 62
Work Order: 17060015 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
17060015-001A	1-1		6/1/2017	6/1/2017
17060015-002A	1-2		6/1/2017	6/1/2017
17060015-003A	2-1		6/1/2017	6/1/2017
17060015-004A	2-2		6/1/2017	6/1/2017
17060015-005A	3-1		6/1/2017	6/1/2017
17060015-006A	3-2		6/1/2017	6/1/2017
17060015-007A	4-1		6/1/2017	6/1/2017
17060015-008A	4-2		6/1/2017	6/1/2017
17060015-009A	5-1		6/1/2017	6/1/2017
17060015-010A	5-2		6/1/2017	6/1/2017
17060015-011A	6-1		6/1/2017	6/1/2017
17060015-012A	6-2		6/1/2017	6/1/2017
17060015-013A	7-1		6/1/2017	6/1/2017
17060015-014A	7-2		6/1/2017	6/1/2017
17060015-015A	8-1		6/1/2017	6/1/2017
17060015-016A	8-2		6/1/2017	6/1/2017
17060015-017A	9-1		6/1/2017	6/1/2017
17060015-018A	9-2		6/1/2017	6/1/2017
17060015-019A	10-1		6/1/2017	6/1/2017
17060015-020A	10-2		6/1/2017	6/1/2017
17060015-021A	11-1		6/1/2017	6/1/2017
17060015-022A	11-2		6/1/2017	6/1/2017
17060015-023A	12-1		6/1/2017	6/1/2017
17060015-024A	12-2		6/1/2017	6/1/2017
17060015-025A	13-1		6/1/2017	6/1/2017
17060015-026A	13-2		6/1/2017	6/1/2017
17060015-027A	14-1		6/1/2017	6/1/2017
17060015-028A	14-2		6/1/2017	6/1/2017
17060015-029A	15-1		6/1/2017	6/1/2017
17060015-030A	15-2		6/1/2017	6/1/2017
17060015-031A	16-1		6/1/2017	6/1/2017
17060015-032A	16-2		6/1/2017	6/1/2017
17060015-033A	17-1		6/1/2017	6/1/2017
17060015-034A	17-2		6/1/2017	6/1/2017
17060015-035A	18-1		6/1/2017	6/1/2017
17060015-036A	18-2		6/1/2017	6/1/2017
17060015-037A	19-1		6/1/2017	6/1/2017
17060015-038A	19-2		6/1/2017	6/1/2017

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATanalysis.com

Accreditation Numbers : IEPA ELAP 100445 ; ORELAP IL300001 ; AIHA-LAP, LLC 101160

Date Reported: June 05, 2017

ANALYTICAL RESULTS

Date Printed: June 05, 2017

Client: PSI
 Work Order: 17060015 Revision 0
 Project: 00473108, Des Plaines School District 62

Client ID	Additional Info	Sample ID	Matrix	Lead Result	Units	Qualifier	Analyst	Date Analyzed	Analytical Method
1-1		17060015-001A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
1-2		17060015-002A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
2-1		17060015-003A	Water	8.35	µg/L		MDT	06/02/2017	EPA 200.8
2-2		17060015-004A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
3-1		17060015-005A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
3-2		17060015-006A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
4-1		17060015-007A	Water	2.96	µg/L		MDT	06/02/2017	EPA 200.8
4-2		17060015-008A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
5-1		17060015-009A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
5-2		17060015-010A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
6-1		17060015-011A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
6-2		17060015-012A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
7-1		17060015-013A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
7-2		17060015-014A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
8-1		17060015-015A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
8-2		17060015-016A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
9-1		17060015-017A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
9-2		17060015-018A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
10-1		17060015-019A	Water	< 2.00	µg/L		MDT	06/02/2017	EPA 200.8
10-2		17060015-020A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
11-1		17060015-021A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
11-2		17060015-022A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
12-1		17060015-023A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
12-2		17060015-024A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
13-1		17060015-025A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
13-2		17060015-026A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
14-1		17060015-027A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
14-2		17060015-028A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
15-1		17060015-029A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8

Qualifiers: B - Analyte detected in the associated Method Blank
 S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
 E - Value above quantitation range
 * - Non-accredited parameter

STAT Analysis Corporation

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Accreditation Numbers : IEPA ELAP 100445 ; ORELAP IL300001 ; AIHA-LAP, LLC 101160

Date Reported: June 05, 2017

ANALYTICAL RESULTS

Date Printed: June 05, 2017

Client: PSI
Work Order: 17060015 Revision 0
Project: 00473108, Des Plaines School District 62

Client ID	Additional Info	Sample ID	Matrix	Lead Result	Units	Qualifier	Analyst	Date Analyzed	Analytical Method
15-2		17060015-030A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
16-1		17060015-031A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
16-2		17060015-032A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
17-1		17060015-033A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
17-2		17060015-034A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
18-1		17060015-035A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
18-2		17060015-036A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
19-1		17060015-037A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8
19-2		17060015-038A	Water	< 2.00	µg/L		MDT	06/03/2017	EPA 200.8

Qualifiers: B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
E - Value above quantitation range
* - Non-accredited parameter



Analysis Corporation
 2242 W. Harrison, Suite 200, Chicago, Illinois 60612
 Phone: (312) 733-0551 Fax: (312) 733-2386
 e-mail address: ST-AT-Info@ST-AT-Analysis.com AIIHA accredited 101160 NVLAP Lab code 101202-0

CHAIN OF CUSTODY RECORD

Page: of

Turn Around: 4 Hrs: 8 Hrs: 24 Hrs: 1 Day: 2 Days: 3 Days: 5 Days: 10 Days:

Date Due: Time Due:

Note: Not all turn around times are available for all analysis.

Relinquished by: Date/Time: 6/11/17
 Received by: Date/Time: 6/11/17 10:15
 Relinquished by: Date/Time: 6/11/17 11:24
 Received by: Date/Time: 6/11/17 11:24
 Relinquished by: Date/Time:
 Received by: Date/Time:

Batch No.: 17060015
 Samples Acceptable: Yes: No:
 Checked by (Initial/Date):
 Comments:

Client: Intertek-PSI
 Street Address: 4421 West Harrison Street
 City, State, Zip: Hillside, IL
 Phone: (708) 236-0720
 Fax: (708) 236-0721
 e-mail/Alt. Fax: samantha.lodge@psiusa.com
 Project Number: 00473108
 Project Name: Des Plaines School District 62
 Project Location: Samantha Lodge
 Project Manager: Samantha Lodge
 P.O. Number:

Client Sample Number/Description	Date Taken	Time		Rate (ppm)	Volume (Liters)	Area Wiped (ft ²)	Laboratory Sample No.	Lead Air	Lead Ambient Air	Lead Based Paint	Lead Soil	Lead Drinking Water	Lead Waste Water	Lead Wipe	TCLP Lead	TCLP RCRA Metals	Dust NIOSH 500	Dust NIOSH 600	Hexavalent Chromium	Other:	
		On	Off																		
1-1,2	5/24/2017						001-002					X									
2-1,2	6-1-17						003-004					X									
3-1,2							005-006					X									
4-1,2							007-008					X									
5-1,2							009-010					X									
6-1,2							011-012					X									
7-1,2							013-014					X									
8-1,2							015-016					X									
9-1,2							017-018					X									
10-1,2							019-020					X									
11-1,2							021-022					X									
12-1,2							023-024					X									
13-1,2							025-026					X									

Comments: Please also send results to jeff.chapman@psiusa.com and ron.tulke@psiusa.com



Analysis Corporation

2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386
e-mail address: STATinfo@STAT-analysis.com AIHA accredited 101160 NVLAP lab code 101202-0

CHAIN OF CUSTODY RECORD

Page: of

Turn Around: 4 Hrs: 8 Hrs: 24 Hrs: 1 Day: 2 Days: 3 Days: 5 Days: 10 Days:

Date Due: Time Due:

Note: Not all turn around times are available for all analysis.

Relinquished by: Date/Time: 6/1/17

Received by: Date/Time: 6/1/17 11:24

Relinquished by: Date/Time: 6/1/17 11:24

Received by: Date/Time: 6/1/17 11:24

Relinquished by: Date/Time:

Received by: Date/Time:

Batch No.: 17060015

Samples Acceptable: Yes: No:

Checked by (Initial/Date): for 6/1/17

Comments:

Client: Intertek-PSI

Street Address: 4421 West Harrison Street

City, State, Zip: Hillside, IL

Phone: (708) 236-0720

Fax: (708) 236-0721

e-mail/Alt. Fax: samantha.lodge@psiusa.com

Project Number: 00473108

Project Name: Des Plaines School District 62

Project Location:

Project Manager: Samantha Lodge

P.O. Number:

Client Sample Number/Description	Date Taken		Rate (lpm)	Volume (Liters)	Area Wiped (ft ²)	Laboratory Sample No.	Analysis																					
	On	Off					Lead Air	Lead Ambient Air	Lead Based Paint	Lead Soil	Lead Drinking Water	Lead Waste Water	Lead Wipe	TCLP Lead	TCLP RCRA Metals	Dust NIOSH 500	Dust NIOSH 600	Hexavalent Chromium	Other									
14-1,2		6/1/2017				027-028																						
15-1,2		6-1-17				029-030																						
16-1,2		6-1-17				031-032																						
17-1,2		6-1-17				033-034																						
18-1,2		6-1-17				035-036																						
19-1,2		6-1-17				037-038																						

Comments: Please also send results to jeff.chapman@psiusa.com and ron.tulke@psiusa.com

Sample Receipt Checklist

Client Name PSI

Date and Time Received: 6/1/2017 11:24:00 AM

Work Order Number 17060015

Received by: JNW

Checklist completed by: _____

[Handwritten Signature] 6/1/17
Signature Date

Reviewed by: MK 6/1/17

Initials Date

Matrix: _____

Carrier name STAT Analysis

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels/containers? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container or Temp Blank temperature in compliance? Yes No Temperature Ambient °C
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - Samples pH checked? Yes No Checked by: JNW
- Water - Samples properly preserved? Yes No pH Adjusted? NB

Any No response must be detailed in the comments section below.

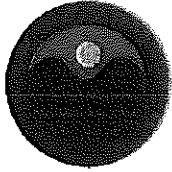
Comments: _____

Client / Person contacted: _____

Date contacted: _____

Contacted by: _____

Response: _____



STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
NELAP - RECOGNIZED
ENVIRONMENTAL LABORATORY ACCREDITATION



is hereby granted to

STAT ANALYSIS CORPORATION
2242 WEST HARRISON STREET
CHICAGO, IL 60612
NELAP ACCREDITED
ACCREDITATION NUMBER #100445



According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

Celeste M. Crowley
Acting Manager
Environmental Laboratory Accreditation Program

John South
Accreditation Officer
Environmental Laboratory Accreditation Program

Certificate No.: 004082
Expiration Date: 09/30/2017
Issued On: 02/23/2017