

SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

January 09, 2017

[Handwritten signature]

Workorder: 1612H42

John Kosirog
Niles Elementary School District 71
6901 West Oakton Street
Niles, IL 60714

TEL: (847) 966-9280

FAX: _____

RE: Drinking Water Lead Analysis

Dear John Kosirog:

Suburban Laboratories, Inc. received 19 sample(s) on 12/30/2016 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

A handwritten signature in black ink that reads "Pat Rodriguez". The signature is fluid and cursive, with a long horizontal stroke at the end.

Pat Rodriguez
Project Manager
708-544-3260 ext 214
pat@suburbanlabs.com





Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Case Narrative

Client: Niles Elementary School District 71
Project: Drinking Water Lead Analysis
WorkOrder: 1612H42
Temperature of samples upon receipt at SLI: C

Date: January 09, 2017
PO #:
QC Level:
Chain of Custody #:

General Comments:

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.
- All radiological results are reported to the 95% confidence level.

Abbreviations:

- **Reporting Limit:** The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- **Quantitation Limit:** The lowest concentration at which results can be accurately quantitated.
 - The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- **ATC:** Automatic Temperature Correction. - **TNTC:** Too Numerous To Count
- **TIC:** Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- **SS (Surrogate Standard):** Quality control compound added to the sample by the lab.

Method References:

For a complete list of method references please contact us.

- **E:** USEPA Reference methods
- **SW:** USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- **M:** Standard Methods for the Examination of Water and Wastewater
- **USP:** Latest version of United States Pharmacopeia

Workorder Specific Comments:

1612H42-001A - 019A was preserved in the lab.



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Niles Elementary School District 71
Project Name: Drinking Water Lead Analysis

Report Date: January 09, 2017
Workorder: 1612H42

Client Sample ID: 139 SINK Matrix: DRINKING WATER
Lab ID: 1612H42-001 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 9:14 AM

Parameter	Result	Report MCL	Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Lead	ND	15.0	5.00		µg/L	1	01/06/2017 11:19 AM	42554

Client Sample ID: 7 Matrix: DRINKING WATER
Lab ID: 1612H42-002 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 8:25 AM

Parameter	Result	Report MCL	Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Lead	ND	15.0	5.00		µg/L	1	01/06/2017 11:20 AM	42554

Client Sample ID: 1 Matrix: DRINKING WATER
Lab ID: 1612H42-003 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 12:00 AM

Parameter	Result	Report MCL	Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Lead	ND	15.0	5.00		µg/L	1	01/06/2017 11:22 AM	42554

Client Sample ID: 6 Matrix: DRINKING WATER
Lab ID: 1612H42-004 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 8:23 AM

Parameter	Result	Report MCL	Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Lead	ND	15.0	5.00		µg/L	1	01/06/2017 11:26 AM	42554



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Niles Elementary School District 71
Project Name: Drinking Water Lead Analysis

Report Date: January 09, 2017
Workorder: 1612H42

Client Sample ID: 12 Matrix: DRINKING WATER
Lab ID: 1612H42-005 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 8:45 AM

Parameter	Result	Report MCL Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS							
				Method: EPA-200.8-Rev 5.4, 1994		Analyst: mjs	
Lead	ND	15.0 5.00		µg/L	1	01/06/2017 11:28 AM	42554

Client Sample ID: 14 Matrix: DRINKING WATER
Lab ID: 1612H42-006 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 8:54 AM

Parameter	Result	Report MCL Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS							
				Method: EPA-200.8-Rev 5.4, 1994		Analyst: mjs	
Lead	ND	15.0 5.00		µg/L	1	01/06/2017 11:29 AM	42554

Client Sample ID: 4 Matrix: DRINKING WATER
Lab ID: 1612H42-007 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 8:17 AM

Parameter	Result	Report MCL Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS							
				Method: EPA-200.8-Rev 5.4, 1994		Analyst: mjs	
Lead	ND	15.0 5.00		µg/L	1	01/06/2017 11:31 AM	42554

Client Sample ID: 137 SINK Matrix: DRINKING WATER
Lab ID: 1612H42-008 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 9:07 AM

Parameter	Result	Report MCL Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS							
				Method: EPA-200.8-Rev 5.4, 1994		Analyst: mjs	
Lead	ND	15.0 5.00		µg/L	1	01/06/2017 11:33 AM	42554



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Niles Elementary School District 71
Project Name: Drinking Water Lead Analysis

Report Date: January 09, 2017
Workorder: 1612H42

Client Sample ID: 121 SINK Matrix: DRINKING WATER
Lab ID: 1612H42-009 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 9:04 AM

Parameter	Result	Report MCL Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
Method: EPA-200.8-Rev 5.4, 1994 Analyst: mjs							
Lead	ND	15.0 5.00		µg/L	1	01/06/2017 11:34 AM	42554

Client Sample ID: 138 SINK Matrix: DRINKING WATER
Lab ID: 1612H42-010 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 9:10 AM

Parameter	Result	Report MCL Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
Method: EPA-200.8-Rev 5.4, 1994 Analyst: mjs							
Lead	ND	15.0 5.00		µg/L	1	01/06/2017 11:36 AM	42554

Client Sample ID: 11 Matrix: DRINKING WATER
Lab ID: 1612H42-011 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 8:39 AM

Parameter	Result	Report MCL Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
Method: EPA-200.8-Rev 5.4, 1994 Analyst: mjs							
Lead	ND	15.0 5.00		µg/L	1	01/06/2017 11:39 AM	42554

Client Sample ID: 15 Matrix: DRINKING WATER
Lab ID: 1612H42-012 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 8:15 AM

Parameter	Result	Report MCL Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
Method: EPA-200.8-Rev 5.4, 1994 Analyst: mjs							
Lead	ND	15.0 5.00		µg/L	1	01/06/2017 11:43 AM	42554



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Niles Elementary School District 71
Project Name: Drinking Water Lead Analysis

Report Date: January 09, 2017
Workorder: 1612H42

Client Sample ID: 138 WF Matrix: DRINKING WATER
Lab ID: 1612H42-013 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 9:11 AM

Parameter	Result	Report MCL	Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
Method: EPA-200.8-Rev 5.4, 1994						Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/06/2017 11:45 AM	42554

Client Sample ID: 10 Matrix: DRINKING WATER
Lab ID: 1612H42-014 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 8:37 AM

Parameter	Result	Report MCL	Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
Method: EPA-200.8-Rev 5.4, 1994						Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/06/2017 11:47 AM	42554

Client Sample ID: 3 Matrix: DRINKING WATER
Lab ID: 1612H42-015 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 8:14 AM

Parameter	Result	Report MCL	Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
Method: EPA-200.8-Rev 5.4, 1994						Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/06/2017 11:48 AM	42554

Client Sample ID: 2 Matrix: DRINKING WATER
Lab ID: 1612H42-016 Date Received: 12/30/2016 9:30 AM Collection Date: 12/27/2016 8:19 AM

Parameter	Result	Report MCL	Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
Method: EPA-200.8-Rev 5.4, 1994						Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/06/2017 11:50 AM	42554



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

PREP DATES REPORT

Client: Niles Elementary School District 71
Project: Drinking Water Lead Analysis

Report Date: January 09, 2017
Lab Order: 1612H42

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1612H42-001A	12/27/2016 9:14:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-002A	12/27/2016 8:25:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-003A	12/27/2016	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-004A	12/27/2016 8:23:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-005A	12/27/2016 8:45:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-006A	12/27/2016 8:54:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-007A	12/27/2016 8:17:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-008A	12/27/2016 9:07:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-009A	12/27/2016 9:04:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-010A	12/27/2016 9:10:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-011A	12/27/2016 8:39:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-012A	12/27/2016 8:15:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-013A	12/27/2016 9:11:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-014A	12/27/2016 8:37:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-015A	12/27/2016 8:14:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-016A	12/27/2016 8:19:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-017A	12/27/2016 8:28:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-018A	12/27/2016 8:30:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017
1612H42-019A	12/27/2016 8:47:00 A	42554	TURB_METALS	Turbidity Check		1/6/2017



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Qualifier Definitions

WO#: 1612H42

Date: 1/9/2017

Qualifiers:

*/x	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accreditation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)
N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit
P	Present
Q	Accreditation is not available from Wisconsin
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
T	Analyte detected in sample trip blank
V	EPA requires field analysis/filtration. Lab analysis would be considered past hold time.



SUBURBAN LABORATORIES, Inc.
1950 S. Batavia Ave., Ste 150, Geneva, IL 60134

Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

136319

Company Name: **Wiles Elementary School**
Company Address: _____
City: _____ State: _____ ZIP: _____

Phone: _____ Fax: _____
Email Address: _____
Project ID / Location: _____
Project Manager (Report to): _____
Sample Collector(s) Name: _____

TURNAROUND TIME REQUESTED
 Normal RUSH*
*Additional Rush Charges Apply.

Date & Time Needed: _____
Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: None/Info Only
 LUST SRP SDWA
 503 Sludge NPDES MWRDGC
 Disposal Other*
*Please specify in comment section below.

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

Shipping Method
Reporting Level (at additional charge) 1 2 3 4

LAB USE ONLY
SIL ORDER No. 6124142
Sample containers supplied by customer? Yes No
Temperature of Received Samples _____ °C
Samples received the same day as collection? Yes No

SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type*	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS		PRESERVATIVE	ANALYSIS & METHOD REQUESTED
	DATE	TIME			QTY	SIZE & TYPE		
1 139 SNK	12-27-16	9:14A	DW	G	1	LP		X
2 7	12-27-16	8:25A	DW	G	1	LP		X
3 1	12-27-16		DW	G	1	LP		X
4 6	12-27-16	8:23A	DW	G	1	LP		X
5 12	12-27-16	8:45A	DW	G	1	LP		X
6 14	12-27-16	8:57A	DW	G	1	LP		X
7 4	12-27-16	8:17A	DW	G	1	LP		X
8 137 SINK	12-27-16	9:07A	DW	G	1	LP		X
9 121 SINK	12-27-16	9:04A	DW	G	1	LP		X
10 138 SINK	12-27-16	9:10A	DW	G	1	LP		X
11 11	12-27-16	8:39A	DW	G	1	LP		X
12 15	12-27-16	8:56A	DW	G	1	LP		X

COMMENTS & SPECIAL INSTRUCTIONS:

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

MATRIX: Drinking Water (DW), Soil (S), Wastewater (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz 4oz 8oz 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H₂SO₄, HCl, HNO₃, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio

1. Relinquished By: **DPB** Date: **12/30/16**
2. Relinquished By: _____ Date: _____

3. Relinquished By: _____ Date: _____
4. Relinquished By: _____ Date: _____

5. _____ Date: _____

Received By	Time	Received By	Time	Received By	Time	Received By	Time	Received By	Time
<i>[Signature]</i>	9:30								
<input type="checkbox"/> Ice present		<input type="checkbox"/> Ice present		<input type="checkbox"/> Ice present		<input type="checkbox"/> Ice present		<input type="checkbox"/> Ice present	

White-Orig -Sampler Copy



SUBURBAN LABORATORIES, Inc.
 1950 S. Batavia Ave., Ste 150, Geneva, IL 60134
 Tel. 708.544.3280 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD
 # 136318

Company Name: **Niles Elementary School**
 Company Address: _____
 City: _____ State: _____ ZIP: _____

Phone: _____ Fax: _____
 Fax Report

Email Address: _____
 Project ID / Location: _____
 Project Manager (Report to): _____
 Sample Collector(s) Name: _____

TURNAROUND TIME REQUESTED
 Normal RUSH* *Additional Rush Charges Approved
 *Date & Time Needed: _____
 Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: None/Info Only
 LUST SRP SDWA
 503 Sludge NPDES MWRDGC
 Disposal Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED
 Enter an "X" in box below for request

SAMPLE IDENTIFICATION <small>*Use One Line Per Preservation & Container Type*</small>	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS QTY SIZE & TYPE	PRESERVATIVE
	DATE	TIME				
1 138WF	12/27/16	9:11A	DW	G	1 LP	—
2 10	12/27/16	8:37A	DW	G	1 LP	—
3 3	12/27/16	8:14A	DW	G	1 LP	—
4 2	12/27/16	8:14A	DW	G	1 LP	—
5 8	12/27/16	8:28A	DW	G	1 LP	—
6 9	12/27/16	8:30A	DW	G	1 LP	—
7 13	12/27/16	8:47A	DW	G	1 LP	—
8						
9						
10						
11						
12						

Metals-Lead

Shipping Method: _____
 Reporting Level (at additional charge) 1 2 3 4
LAB USE ONLY
 Sample containers supplied by customer? Yes No
 Temperature of Received Samples: _____ °C
 Samples received the same day as collection? Yes No
 R Condition Split LAB #
 O13A

COMMENTS & SPECIAL INSTRUCTIONS:	1. Relinquished By		2. Relinquished By		3. Relinquished By		4. Relinquished By	
	Date	Time	Date	Time	Date	Time	Date	Time
MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINERS: 2oz 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H ₂ SO ₄ , HCl, HNO ₃ , Methanol (MeOH), NaOH, Sodium Bisulfate (NaB), NaThio								

CONDITION CODES:
 1. Improper/damaged container/cap
 2. Improper preservation
 3. Insufficient sample volume
 4. Headspace/air bubbles for VOCs
 5. Received past holding time
 6. Received frozen
 7. Label conflicts with COC

Received By: *[Signature]* Date: 12/30/16 Time: 9:30
 Received By: _____ Date: _____ Time: _____
 Received By: _____ Date: _____ Time: _____
 Received By: _____ Date: _____ Time: _____
 Write-Orig _____ K-Sampler Copy

SUBURBAN LABORATORIES, Inc.



INVOICE

FEIN # 36-2695636

1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
 Tel. (708) 544-3260 • Toll Free (800) 783-LABS
 Fax (708) 544-8587
 www.suburbanlabs.com

Remit To: Suburban Laboratories, Inc.
 1950 S. Batavia Ave., Suite 150
 Geneva, IL 60134
 Phone: 708-544-3260 Fax: 708-544-8587

Invoice#: 141551
 Invoice Date: 1/9/2017
 Terms: Prepay
 Invoice Due: 1/9/2017

John Kosirog
 ACCOUNTS PAYABLE
 Niles Elementary School District 71
 6901 West Oakton Street
 Niles, IL 60714

Priority: Routine
 PO:
 Report To: John Kosirog
 Fax:

Work Order: 1612H42

Date Received: 12/30/2016

Project: Drinking Water Lead Analysis

Item Description	Matrix	Remarks	Qty	Unit Price	% Disc.	Net Price	Total
Lead in drinking water	Drinking Water		19	\$30.00			\$570.00

Miscellaneous Charge Summary

Item	Unit	Qty	Total
Shipping & Handling	\$20.00	1	\$20.00

Sub Total: \$570.00
 Misc. Charges: \$20.00
 Surcharge: 0.00%

INVOICE Total: \$590.00
 Pre-Paid Amount: \$590.00
Total Payable Amount: \$0.00

Comments: PAID IN FULL MC #1289 01/09/17 PGR



SUBURBAN LABORATORIES, Inc.



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Fax (708) 544-8587
www.suburbanlabs.com

January 25, 2017

2nd

Workorder: 1701C71

John Kosirog
Niles Elementary School District 71
6901 West Oakton Street
Niles, IL 60714

TEL: (847) 966-9280

FAX:

RE: Drinking Water Lead Analysis

Dear John Kosirog:

Suburban Laboratories, Inc. received 10 sample(s) on 1/23/2017 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Pat Rodriguez', with a horizontal line extending to the right.

Pat Rodriguez
Project Manager
708-544-3260 ext 214
pat@suburbanlabs.com





Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Case Narrative

Client: Niles Elementary School District 71
Project: Drinking Water Lead Analysis
WorkOrder: 1701C71
Temperature of samples upon receipt at SLI: C

Date: January 25, 2017
PO #:
QC Level:
Chain of Custody #: EV

General Comments:

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.
- All radiological results are reported to the 95% confidence level.

Abbreviations:

- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- : The analyte was positively identified above our Method Detection Limit and is considered detectable and able; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS (Surrogate Standard): Quality control compound added to the sample by the lab.

Method References:

For a complete list of method references please contact us.

- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:

1701C71-001A - 010A was preserved in the lab.



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Niles Elementary School District 71

Report Date: January 25, 2017

Project Name: Drinking Water Lead Analysis

Workorder: 1701C71

Client Sample ID: #5

Matrix: DRINKING WATER

Lab ID: 1701C71-001

Date Received: 01/23/2017 1:00 PM

Collection Date: 01/18/2017 9:00 PM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/24/2017 8:58 PM	42886

Client Sample ID: 137 WF

Matrix: DRINKING WATER

Lab ID: 1701C71-002

Date Received: 01/23/2017 1:00 PM

Collection Date: 01/18/2017 9:15 PM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/24/2017 9:00 PM	42886

Client Sample ID: 139 WF

Matrix: DRINKING WATER

Lab ID: 1701C71-003

Date Received: 01/23/2017 1:00 PM

Collection Date: 01/18/2017 9:18 PM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/24/2017 9:02 PM	42886

Client Sample ID: 140

Matrix: DRINKING WATER

Lab ID: 1701C71-004

Date Received: 01/23/2017 1:00 PM

Collection Date: 01/18/2017 9:12 PM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/24/2017 9:04 PM	42886



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Laboratory Results

Client ID: Niles Elementary School District 71

Report Date: January 25, 2017

Project Name: Drinking Water Lead Analysis

Workorder: 1701C71

Client Sample ID: 142

Matrix: DRINKING WATER

Lab ID: 1701C71-005

Date Received: 01/23/2017 1:00 PM

Collection Date: 01/18/2017 9:10 PM

Parameter	Result	Report MCL	Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/24/2017 9:08 PM	42886

Client Sample ID: 143

Matrix: DRINKING WATER

Lab ID: 1701C71-006

Date Received: 01/23/2017 1:00 PM

Collection Date: 01/18/2017 9:08 PM

Parameter	Result	Report MCL	Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/24/2017 9:10 PM	42886

Client Sample ID: 144

Matrix: DRINKING WATER

Lab ID: 1701C71-007

Date Received: 01/23/2017 1:00 PM

Collection Date: 01/18/2017 9:06 PM

Parameter	Result	Report MCL	Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/24/2017 9:12 PM	42886

Client Sample ID: 149

Matrix: DRINKING WATER

Lab ID: 1701C71-008

Date Received: 01/23/2017 1:00 PM

Collection Date: 01/18/2017 9:05 PM

Parameter	Result	Report MCL	Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/24/2017 9:21 PM	42886



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Laboratory Results

Client ID: Niles Elementary School District 71

Report Date: January 25, 2017

Project Name: Drinking Water Lead Analysis

Workorder: 1701C71

Client Sample ID: 150

Matrix: DRINKING WATER

Lab ID: 1701C71-009

Date Received: 01/23/2017 1:00 PM

Collection Date: 01/18/2017 9:04 PM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/24/2017 9:23 PM	42886

Client Sample ID: 151

Matrix: DRINKING WATER

Lab ID: 1701C71-010

Date Received: 01/23/2017 1:00 PM

Collection Date: 01/18/2017 9:03 PM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs		
Lead	ND	15.0	5.00		µg/L	1	01/24/2017 9:25 PM	42886



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PREP DATES REPORT

Client: Niles Elementary School District 71
Project: Drinking Water Lead Analysis

Report Date: January 25, 2017
Lab Order: 1701C71

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1701C71-001A	1/18/2017 9:00:00 P	42886	TURB_METALS	Turbidity Check		1/24/2017
1701C71-002A	1/18/2017 9:15:00 P	42886	TURB_METALS	Turbidity Check		1/24/2017
1701C71-003A	1/18/2017 9:18:00 P	42886	TURB_METALS	Turbidity Check		1/24/2017
1701C71-004A	1/18/2017 9:12:00 P	42886	TURB_METALS	Turbidity Check		1/24/2017
1701C71-005A	1/18/2017 9:10:00 P	42886	TURB_METALS	Turbidity Check		1/24/2017
1701C71-006A	1/18/2017 9:08:00 P	42886	TURB_METALS	Turbidity Check		1/24/2017
1701C71-007A	1/18/2017 9:06:00 P	42886	TURB_METALS	Turbidity Check		1/24/2017
1701C71-008A	1/18/2017 9:05:00 P	42886	TURB_METALS	Turbidity Check		1/24/2017
1701C71-009A	1/18/2017 9:04:00 P	42886	TURB_METALS	Turbidity Check		1/24/2017
1701C71-010A	1/18/2017 9:03:00 P	42886	TURB_METALS	Turbidity Check		1/24/2017



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Qualifier Definitions

WO#: 1701C71

Date: 1/25/2017

Qualifiers:

*/x	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accreditation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)
N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit
P	Present
Q	Accreditation is not available from Wisconsin
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
T	Analyte detected in sample trip blank
V	EPA requires field analysis/filtration. Lab analysis would be considered past hold time.



SUBURBAN LABORATORIES, Inc.

1950 S Batavia Ave Ste 150 Geneva IL 60134

Tel: 708.544.3260 Fax: 708.544.8687

CHAIN OF CUSTODY RECORD

Electronic Version

Company Name: Niles Elementary School District 71

Company Address: 6901 W. Oakwood St

City: Niles State: IL Zip: 60714

Phone: 847-966-9280 Fax: []

Email Address: []

Project ID / Location: Drinking Water Lead Analysis

Project Manager (Report to): []

Sample Collector(s): KYLE STARS

TURNAROUND TIME REQUESTED

Normal RUSH* *Additional Rush Charges Approved.

Date & Time Needed: []

Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: None/Info only

LUST SRP SDWA

503 Sludge NPDES MWRDGC

Disposal Other section below. *Please specify in comment

SAMPLE IDENTIFICATION	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS	PRESERVATIVE	ANALYSIS & METHOD REQUESTED
	DATE	TIME					
1 #5	1/18/17	9:00 PM	DW	G	1 1 Liter Plastic	HNO3	200.8DW Lead
2 137 WLE	1/18/17	9:15	DW	G	1 1 Liter Plastic	HNO3	
3 139 WLE	1/18/17	9:18	DW	G	1 1 Liter Plastic	HNO3	
4 140	1/18/17	9:12	DW	G	1 1 Liter Plastic	HNO3	
5 142	1/18/17	9:10	DW	G	1 1 Liter Plastic	HNO3	
6 143	1/18/17	9:08	DW	G	1 1 Liter Plastic	HNO3	
7 144	1/18/17	9:06	DW	G	1 1 Liter Plastic	HNO3	
8 149	1/18/17	9:05	DW	G	1 1 Liter Plastic	HNO3	
9 150	1/18/17	9:04	DW	G	1 1 Liter Plastic	HNO3	
10 151	1/18/17	9:03	DW	G	1 1 Liter Plastic	HNO3	
11							
12							

COMMENTS & SPECIAL INSTRUCTIONS: PLEASE COMPLETE THE HIGHLIGHTED SECTIONS.

COLLECT EACH BOTTLE FROM A SEPARATE SITE \$320.00 PAYMENT DUE WITH SAMPLE SUBMITTAL

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H₂SO₄, HCl, HNO₃, Methanol (MeOH), NaOH, Sodium Bisulfate (NaBS), NaThio

1. Relinquished By: [Signature] Date: 1/23/17

2. Relinquished By: [] Date: []

3. Relinquished By: [] Date: []

4. Relinquished By: [] Date: []

Received By: [Signature] ICP [] Time: 13:20

Received By: [] ICP [] Time: []

Received By: [] ICP [] Time: []

Received By: [] ICP [] Time: []

- CONDITION CODES
1. Improper/damaged container/cap
 2. Improper preservation
 3. Insufficient sample volume
 4. Headspace/air bubbles for VOCs
 5. Receiving past holding time
 6. Received frozen
 7. Label conflicts with COC

Rev. 7/20/08

Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.

Submission of samples subject to Terms and Conditions on back.

2nd

SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

BOTTLE ORDER: 5743

Date: 12/29/2016

\$320.00

SHIPPED TO:

Company: Niles Elementary School District 71
Contact: Ken Juris
Address: 6901 West Oakton Street
Niles, IL 60714
Phone: (847) 966-9280
Quote ID:
Project: Drinking Water Lead Analysis

Submitted By: Pat Rodriguez
Project Manager: Pat Rodriguez
Ship Date:
VIA: UPS
Due Date: 12/30/2016

Bottle Code	Bottle Type	Bottle Qty	TEST(s)	Sample Qty
P-L-UN	plastic, L, unpreserved	1	METALS by ICPMS	10

Comments: 10 LEAD SAMPLING BOTTLES - Please include preprinted chain of custody/labels, sampling instructions, and plenty of packing material.



SUBURBAN LABORATORIES, Inc.
 1950 S Batavia Ave Ste 150 Geneva IL 60134
 Tel. 708.544.3260

Fax: 708.544.8587 Toll Free: 800.783.LABS

www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

Electronic Version

Company Name: Niles Elementary School District 71 / *Collier*

Company Address: *6901 W Oakwood St*

City: *Niles IL* State: *IL* Zip: *60714*

Phone: *847-966-9280* Fax Report:

Email Address: *KJA Niles 71.009*

Project ID / Location: *Drinking Water Lead Analysis*

Project Manager (Report to):

Sample Collector(s): *Ken Travis*

TURNAROUND TIME REQUESTED
 Normal RUSH*
*Additional Rush Charges Approved.

Date & Time Needed:
Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program:
 None/Info only
 LUST SRP SDWA
 503 Sludge NPDES MWRDGC

GRAB/COMP. CONTAINERS PRESERVATIVE
 Disposal Other section below.
*Please specify in comment.

ANALYSIS & METHOD REQUESTED
 Enter an "X" in box below for request

Page of
 PO No.
 Shipping Method
 QC Reporting 1 2 3
 Level
 LAB USE ONLY
 SIU Order No.

Sample containers supplied by customer? Yes
 Temperature of Received Samples °C
 Samples received within 24 hours of collection? Yes
 R Condition Spill LAB #

SAMPLE IDENTIFICATION Use One Line Per Preservation & Container Type	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS Qty / SIZE & TYPE	PRESERVATIVE	ANALYSIS & METHOD REQUESTED										
	DATE	TIME					Enter an "X" in box below for request										
1 #5	1/18/17	9:00 AM	DW	G	1 1 Liter Plastic	HNO3	X										
2 137 WLE	1/18/17	9:15	DW	G	1 1 Liter Plastic	HNO3	X										
3 139 WLE	1/18/17	9:18	DW	G	1 1 Liter Plastic	HNO3	X										
4 140	1/18/17	9:12	DW	G	1 1 Liter Plastic	HNO3	X										
5 142	1/18/17	9:10	DW	G	1 1 Liter Plastic	HNO3	X										
6 143	1/18/17	9:08	DW	G	1 1 Liter Plastic	HNO3	X										
7 144	1/18/17	9:06	DW	G	1 1 Liter Plastic	HNO3	X										
8 149	1/18/17	9:05	DW	G	1 1 Liter Plastic	HNO3	X										
9 150	1/18/17	9:04	DW	G	1 1 Liter Plastic	HNO3	X										
10 151	1/18/17	9:03	DW	G	1 1 Liter Plastic	HNO3	X										
11																	
12																	

COMMENTS & SPECIAL INSTRUCTIONS:
 PLEASE COMPLETE THE HIGHLIGHTED SECTIONS.
 COLLECT EACH BOTTLE FROM A SEPARATE SITE
 \$320.00 PAYMENT DUE WITH SAMPLE SUBMITTAL

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H₂SO₄, HCl, HNO₃, Methanol (MeOH), NaOH, Sodium Bisulfate (NaB), NaThio

1. Relinquished By: _____ Date: _____
 Received By: _____ Time: _____
 ICP

2. Relinquished By: _____ Date: _____
 Received By: _____ Time: _____
 ICP

3. Relinquished By: _____ Date: _____
 Received By: _____ Time: _____
 ICP

4. Relinquished By: _____ Date: _____
 Received By: _____ Time: _____
 ICP

5. Received past holding time

6. Received frozen

7. Label conflicts with COC

CONDITION CODES
 1. Improper/damaged container/cap
 2. Improper preservation
 3. Insufficient sample volume
 4. Headspace/air bubbles for VOCs
 5. Received past holding time
 6. Received frozen
 7. Label conflicts with COC

Submission of samples subject to Terms and Conditions on back.
 Rev. 7/20/08

SUBURBAN LABORATORIES, Inc.



INVOICE
FEIN # 36-2695636

1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

Remit To: Suburban Laboratories, Inc.
1950 S. Batavia Ave., Suite 150
Geneva, IL 60134
Phone: 708-544-3260 Fax: 708-544-8587

Invoice#: 141804
Invoice Date: 1/25/2017

Terms: Prepay
Invoice Due: 1/25/2017

John Kosirog
ACCOUNTS PAYABLE
Niles Elementary School District 71
6901 West Oakton Street
Niles, IL 60714

Priority: Routine
PO:
Report To: John Kosirog
Fax:
Project: Drinking Water Lead Analysis

Work Order: 1701C71

Date Received: 1/23/2017

Item Description	Matrix	Remarks	Qty	Unit Price	% Disc.	Net Price	Total
Lead in drinking water	Drinking Water		10	\$30.00			\$300.00

Miscellaneous Charge Summary

Item	Unit	Qty	Total
Shipping & Handling	\$20.00	1	\$20.00

Sub Total: \$300.00
Misc. Charges: \$20.00
Surcharge: 0.00%
INVOICE Total: \$320.00
Pre-Paid Amount: \$320.00
Total Payable Amount: \$0.00

Comments: PAID IN FULL MC #1289 01/30/17 PGR

