

SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
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www.suburbanlabs.com

September 26, 2016

Bob Jakupi
Butler School District 53
2801 York Rd.
Oak Brook, IL 60523

Workorder: 1609G13

TEL: (630) 573-2887

FAX: (630) 573-5374

RE: Drinking Water Lead Analysis

Dear Bob Jakupi:

Suburban Laboratories, Inc. received 12 sample(s) on 9/21/2016 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,

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





Client: Butler School District 53

Date: September 26, 2016

Project: Drinking Water Lead Analysis

PO #:

WorkOrder: 1609G13

QC Level:

Temperature of samples upon receipt at SLI: 22 C

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.
- J: 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:



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Butler School District 53
Project Name: Drinking Water Lead Analysis

Report Date: September 26, 2016
Workorder: 1609G13

Client Sample ID: BIF001 **Matrix:** DRINKING WATER
Lab ID: 1609G13-001 **Date Received:** 09/21/2016 12:30 PM **Collection Date:** 09/21/2016 6:00 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: jmk | |
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 09/23/2016 9:20 PM | 40341 |

Client Sample ID: BIF002 **Matrix:** DRINKING WATER
Lab ID: 1609G13-002 **Date Received:** 09/21/2016 12:30 PM **Collection Date:** 09/21/2016 6:05 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: jmk | |
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 09/23/2016 9:21 PM | 40341 |

Client Sample ID: BIF003 **Matrix:** DRINKING WATER
Lab ID: 1609G13-003 **Date Received:** 09/21/2016 12:30 PM **Collection Date:** 09/21/2016 6:10 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: jmk | |
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 09/23/2016 9:25 PM | 40341 |

Client Sample ID: BIF004 **Matrix:** DRINKING WATER
Lab ID: 1609G13-004 **Date Received:** 09/21/2016 12:30 PM **Collection Date:** 09/21/2016 6:15 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: jmk | |
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 09/23/2016 9:31 PM | 40341 |



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Laboratory Results

Client ID: Butler School District 53

Report Date: September 26, 2016

Project Name: Drinking Water Lead Analysis

Workorder: 1609G13

Client Sample ID: BIF005

Matrix: DRINKING WATER

Lab ID: 1609G13-005

Date Received: 09/21/2016 12:30 PM

Collection Date: 09/21/2016 6:20 AM

| 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: jmk

| | | | | | | | | |
|------|----|------|------|--|------|---|--------------------|-------|
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 09/23/2016 9:33 PM | 40341 |
|------|----|------|------|--|------|---|--------------------|-------|

Client Sample ID: BIF006

Matrix: DRINKING WATER

Lab ID: 1609G13-006

Date Received: 09/21/2016 12:30 PM

Collection Date: 09/21/2016 6:25 AM

| 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: jmk

| | | | | | | | | |
|------|----|------|------|--|------|---|--------------------|-------|
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 09/23/2016 9:35 PM | 40341 |
|------|----|------|------|--|------|---|--------------------|-------|

Client Sample ID: BJH001

Matrix: DRINKING WATER

Lab ID: 1609G13-007

Date Received: 09/21/2016 12:30 PM

Collection Date: 09/21/2016 5:15 AM

| 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: jmk

| | | | | | | | | |
|------|----|------|------|--|------|---|--------------------|-------|
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 09/23/2016 9:37 PM | 40341 |
|------|----|------|------|--|------|---|--------------------|-------|

Client Sample ID: BJH002

Matrix: DRINKING WATER

Lab ID: 1609G13-008

Date Received: 09/21/2016 12:30 PM

Collection Date: 09/21/2016 5:20 AM

| 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: jmk

| | | | | | | | | |
|------|----|------|------|--|------|---|--------------------|-------|
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 09/23/2016 9:38 PM | 40341 |
|------|----|------|------|--|------|---|--------------------|-------|



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Laboratory Results

Client ID: Butler School District 53

Report Date: September 26, 2016

Project Name: Drinking Water Lead Analysis

Workorder: 1609G13

Client Sample ID: BJH003

Matrix: DRINKING WATER

Lab ID: 1609G13-009

Date Received: 09/21/2016 12:30 PM

Collection Date: 09/21/2016 5:25 AM

| 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: jmk

| | | | | | | | | |
|------|----|------|------|--|------|---|--------------------|-------|
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 09/23/2016 9:40 PM | 40341 |
|------|----|------|------|--|------|---|--------------------|-------|

Client Sample ID: BJH004

Matrix: DRINKING WATER

Lab ID: 1609G13-010

Date Received: 09/21/2016 12:30 PM

Collection Date: 09/21/2016 5:30 AM

| 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: jmk

| | | | | | | | | |
|------|----|------|------|--|------|---|--------------------|-------|
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 09/23/2016 9:42 PM | 40341 |
|------|----|------|------|--|------|---|--------------------|-------|

Client Sample ID: BJH005

Matrix: DRINKING WATER

Lab ID: 1609G13-011

Date Received: 09/21/2016 12:30 PM

Collection Date: 09/21/2016 5:40 AM

| 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: jmk

| | | | | | | | | |
|------|----|------|------|--|------|---|--------------------|-------|
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 09/23/2016 9:44 PM | 40341 |
|------|----|------|------|--|------|---|--------------------|-------|

Client Sample ID: BJH006

Matrix: DRINKING WATER

Lab ID: 1609G13-012

Date Received: 09/21/2016 12:30 PM

Collection Date: 09/21/2016 5:45 AM

| 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: jmk

| | | | | | | | | |
|------|----|------|------|--|------|---|--------------------|-------|
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 09/23/2016 9:46 PM | 40341 |
|------|----|------|------|--|------|---|--------------------|-------|



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PREP DATES REPORT

Client: Butler School District 53
Project: Drinking Water Lead Analysis

Report Date: September 26, 2016
Lab Order: 1609G13

| Sample ID | Collection Date | Batch ID | Prep Method | Prep Test Name | TCLP Date | Prep Date |
|--------------|---------------------|----------|-------------|-----------------|-----------|-----------|
| 1609G13-001A | 9/21/2016 6:00:00 A | 40341 | TURB_METALS | Turbidity Check | | 9/23/2016 |
| 1609G13-002A | 9/21/2016 6:05:00 A | 40341 | TURB_METALS | Turbidity Check | | 9/23/2016 |
| 1609G13-003A | 9/21/2016 6:10:00 A | 40341 | TURB_METALS | Turbidity Check | | 9/23/2016 |
| 1609G13-004A | 9/21/2016 6:15:00 A | 40341 | TURB_METALS | Turbidity Check | | 9/23/2016 |
| 1609G13-005A | 9/21/2016 6:20:00 A | 40341 | TURB_METALS | Turbidity Check | | 9/23/2016 |
| 1609G13-006A | 9/21/2016 6:25:00 A | 40341 | TURB_METALS | Turbidity Check | | 9/23/2016 |
| 1609G13-007A | 9/21/2016 5:15:00 A | 40341 | TURB_METALS | Turbidity Check | | 9/23/2016 |
| 1609G13-008A | 9/21/2016 5:20:00 A | 40341 | TURB_METALS | Turbidity Check | | 9/23/2016 |
| 1609G13-009A | 9/21/2016 5:25:00 A | 40341 | TURB_METALS | Turbidity Check | | 9/23/2016 |
| 1609G13-010A | 9/21/2016 5:30:00 A | 40341 | TURB_METALS | Turbidity Check | | 9/23/2016 |
| 1609G13-011A | 9/21/2016 5:40:00 A | 40341 | TURB_METALS | Turbidity Check | | 9/23/2016 |
| 1609G13-012A | 9/21/2016 5:45:00 A | 40341 | TURB_METALS | Turbidity Check | | 9/23/2016 |



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. |