



April 15, 2016

Valerie Hofmann
Hygieneering, Inc.
7575 Plaza Court
Willowbrook, IL 60521

Work Order: 1604979

TEL: (630) 654-2550

FAX:

RE: 2016-2607 / Lyon Elementary

Dear Valerie Hofmann:

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".

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





Case Narrative

Client: HYGIENEERING

Date: April 15, 2016

Project: 2016-2607 / Lyon Elementary

PO: 2016-2607

WorkOrder: 1604979

QC Level:

Temperature of samples upon receipt at lab: 4 C

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 water analyses that are required to be performed in the field (e.g., pH, residual chlorine, sulfite, temperature, etc.) but are analyzed in the lab are identified as "in lab" and are considered past holding time. Following industry practices these results do not contain an "H" flag but are qualified as being analyzed in the lab.

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: Hygieneering, Inc.

Report Date: April 15, 2016

Project: 2016-2607 / Lyon Elementary

Workorder: 1604979

Client Sample ID: 1335 Rm 54 A

Matrix: Drinking Water

Lab ID: 1604979-001

Date Received: 4/14/2016 14:20 PM

Collection Date: 4/14/2016 1:16 AM

| Parameter | Result | MCL | Report Limit | Qual | Units | DF | Date Analyzed | BatchID |
|-----------------|--------|-----------------------------|--------------|------|--------------|----|-------------------|---------|
| METALS by ICPMS | | Method: EPA-200.8-5.4, 1994 | | | Analyst: jmk | | | |
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 4/14/2016 4:28 PM | 35598 |

Client Sample ID: 1335 Rm 54 B

Matrix: Drinking Water

Lab ID: 1604979-002

Date Received: 4/14/2016 14:20 PM

Collection Date: 4/14/2016 1:17 AM

| Parameter | Result | MCL | Report Limit | Qual | Units | DF | Date Analyzed | BatchID |
|-----------------|--------|-----------------------------|--------------|------|--------------|----|-------------------|---------|
| METALS by ICPMS | | Method: EPA-200.8-5.4, 1994 | | | Analyst: jmk | | | |
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 4/14/2016 4:31 PM | 35598 |

Client Sample ID: 1335 Rm 54 C

Matrix: Drinking Water

Lab ID: 1604979-003

Date Received: 4/14/2016 14:20 PM

Collection Date: 4/14/2016 1:16 AM

| Parameter | Result | MCL | Report Limit | Qual | Units | DF | Date Analyzed | BatchID |
|-----------------|--------|-----------------------------|--------------|------|--------------|----|-------------------|---------|
| METALS by ICPMS | | Method: EPA-200.8-5.4, 1994 | | | Analyst: jmk | | | |
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 4/14/2016 4:34 PM | 35598 |

Client Sample ID: 1335 Rm 54 D

Matrix: Drinking Water

Lab ID: 1604979-004

Date Received: 4/14/2016 14:20 PM

Collection Date: 4/14/2016 1:17 AM

| Parameter | Result | MCL | Report Limit | Qual | Units | DF | Date Analyzed | BatchID |
|-----------------|--------|-----------------------------|--------------|------|--------------|----|-------------------|---------|
| METALS by ICPMS | | Method: EPA-200.8-5.4, 1994 | | | Analyst: jmk | | | |
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 4/14/2016 5:03 PM | 35598 |

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Laboratory Results

Client: Hygieneering, Inc.

Report Date: April 15, 2016

Project: 2016-2607 / Lyon Elementary

Workorder: 1604979

Client Sample ID: 1335 Rm 54 E

Matrix: Drinking Water

Lab ID: 1604979-005

Date Received: 4/14/2016 14:20 PM

Collection Date: 4/14/2016 1:18 AM

| Parameter | Result | MCL | Report Limit | Qual | Units | DF | Date Analyzed | BatchID |
|-----------------|--------|------|-----------------------------|------|-------|--------------|-------------------|---------|
| METALS by ICPMS | | | Method: EPA-200.8-5.4, 1994 | | | Analyst: jmk | | |
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 4/14/2016 5:06 PM | 35599 |

Client Sample ID: 1335 Rm 54 F

Matrix: Drinking Water

Lab ID: 1604979-006

Date Received: 4/14/2016 14:20 PM

Collection Date: 4/14/2016 1:18 AM

| Parameter | Result | MCL | Report Limit | Qual | Units | DF | Date Analyzed | BatchID |
|-----------------|--------|------|-----------------------------|------|-------|--------------|-------------------|---------|
| METALS by ICPMS | | | Method: EPA-200.8-5.4, 1994 | | | Analyst: jmk | | |
| Lead | ND | 15.0 | 5.00 | | µg/L | 1 | 4/14/2016 5:09 PM | 35599 |

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Prep Dates

Client: Hygieneering, Inc.

Report Date: April 15, 2016
Original

Project: 2016-2607 / Lyon Elementary

Workorder: 1604979

| Sample ID | Client Sample ID | Collection Date | Prep Batch | Prep Test Name | Leachate Date | Prep Date |
|--------------|------------------|-------------------|------------|-----------------|---------------|-------------------|
| 1604979-001A | 1335 Rm 54 A | 4/14/2016 1:16 AM | 35598 | Turbidity Check | | 4/14/2016 2:33 PM |
| 1604979-002A | 1335 Rm 54 B | 4/14/2016 1:17 AM | 35598 | Turbidity Check | | 4/14/2016 2:33 PM |
| 1604979-003A | 1335 Rm 54 C | 4/14/2016 1:16 AM | 35598 | Turbidity Check | | 4/14/2016 2:33 PM |
| 1604979-004A | 1335 Rm 54 D | 4/14/2016 1:17 AM | 35598 | Turbidity Check | | 4/14/2016 2:33 PM |
| 1604979-005A | 1335 Rm 54 E | 4/14/2016 1:18 AM | 35599 | Turbidity Check | | 4/14/2016 2:35 PM |
| 1604979-006A | 1335 Rm 54 F | 4/14/2016 1:18 AM | 35599 | Turbidity Check | | 4/14/2016 2:35 PM |



Report Date: April 15, 2016

WorkOrder: 1604979

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- c Analyte not in SLI scope of accreditation
- C Value is below Minimum Concentration Limit
- 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 compound
- ND Not Detected at the Reporting Limit
- P Present
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- W Sample container temperature is out of limit as specified at testcode



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: Hygienetics Inc
 Company Address: 7575 Plaza Court
 City: Willard Brook State: IL Zip: 60572-7
 Phone: 630-706-6684 Fax: Fax Report

TURNAROUND TIME REQUESTED
 Normal RUSH*
 *Additional Rush Charges Apply.
 *Date & Time Needed:
 *Next DAT TAT

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

Page 1 of 1
 PO No. 2016-2007
 Shipping Method

Project ID / Location: 2016-2007 / Lyon Elementary
 Project Manager (Report to): Valerie Hoffmann
 Sample Collector(s): Josh Lee

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

LAB USE ONLY
 Sample containers supplied by customer? Yes No
 Temperature of received samples: 4 °C
 Samples received within 24 hours of collection? Yes No

QC Reporting Level: 1 2 3
 LAB USE ONLY
 Sample received within 24 hours of collection? Yes No

| SAMPLE IDENTIFICATION | COLLECTION | | MATRIX | GRAB/COMP | CONTAINERS | PRESERVATIVE | ANALYSIS & METHOD REQUESTED | CONDITION CODES |
|-----------------------|------------|------|--------|-----------|-------------------|--------------|-----------------------------|-----------------|
| | DATE | TIME | | | | | | |
| 1 1335-Rm54-A | 4/14/16 | 1:16 | DW | G | 1 1 Liter Plastic | | X | 001A |
| 2 1335-Rm54-B | | 1:17 | | | | | X | |
| 3 1335-Rm54-C | | 1:16 | | | | | X | |
| 4 1335-Rm54-D | | 1:17 | | | | | X | |
| 5 1335-Rm54-E | | 1:18 | | | | | X | |
| 6 1335-Rm54-F | | 1:18 | | | | | X | 006A |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |

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, 4ozl, 500ml, 1L, 1.5L, Tube, Glass (G), Plastic (P) PRESERVATIVE: H₂SO₄, HCl, HNO₃, Methanol (MeOH), NaOH, Sodium Bisulfate (NaBS), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:

CONDITION CODES:
 1. Improper/damaged container/tap
 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

1. Relinquished By: Josh Lee Date: 4-14-16
 2. Relinquished By: Date:

3. Relinquished By: Date: 4-14-16
 4. Relinquished By: Date:

Received By: Time: 9:35
 Ice

Received By: Time: 14:20
 Ice

Submission of samples subject to Terms and Conditions on back. Rev. 7/20/08
 Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.