



April 22, 2016

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

Work Order: 1604D97

TEL: (630) 654-2550

FAX:

RE: 2016-2607 / Hoffman 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,



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





Case Narrative

Client: HYGIENEERING

Date: April 22, 2016

Project: 2016-2607 / Hoffman Elementary

PO: 2016-2607

WorkOrder: 1604D97

QC Level:

Temperature of samples upon receipt at lab: 22 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 22, 2016

Project: 2016-2607 / Hoffman Elementary

Workorder: 1604D97

Client Sample ID: 2000 Rm23 F23-1

Matrix: Drinking Water

Lab ID: 1604D97-001

Date Received: 4/20/2016 12:00 PM

Collection Date: 4/20/2016 6:42 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	209	15.0	5.00	*	µg/L	1	4/20/2016 2:41 PM	35714	

Client Sample ID: 2000 Rm24 F24-1

Matrix: Drinking Water

Lab ID: 1604D97-002

Date Received: 4/20/2016 12:00 PM

Collection Date: 4/20/2016 6:31 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	446	15.0	5.00	*	µg/L	1	4/22/2016 1:32 PM	35714	

Client Sample ID: 2000 Rm25 F25-1

Matrix: Drinking Water

Lab ID: 1604D97-003

Date Received: 4/20/2016 12:00 PM

Collection Date: 4/20/2016 6:20 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	409	15.0	5.00	*	µg/L	1	4/20/2016 2:44 PM	35714	

Client Sample ID: 2000 Rm26 F26-1

Matrix: Drinking Water

Lab ID: 1604D97-004

Date Received: 4/20/2016 12:00 PM

Collection Date: 4/20/2016 6:07 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	185	15.0	5.00	*	µg/L	1	4/20/2016 3:01 PM	35714	

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Laboratory Results

Client: Hygieneering, Inc.

Report Date: April 22, 2016

Project: 2016-2607 / Hoffman Elementary

Workorder: 1604D97

Client Sample ID: 2000 Rm23 F23-2

Matrix: Drinking Water

Lab ID: 1604D97-005

Date Received: 4/20/2016 12:00 PM

Collection Date: 4/20/2016 6:47 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	4/20/2016 3:04 PM	35714

Client Sample ID: 2000 Rm24 F24-2

Matrix: Drinking Water

Lab ID: 1604D97-006

Date Received: 4/20/2016 12:00 PM

Collection Date: 4/20/2016 6:36 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	4/20/2016 3:30 PM	35714

Client Sample ID: 2000 Rm25 F25-2

Matrix: Drinking Water

Lab ID: 1604D97-007

Date Received: 4/20/2016 12:00 PM

Collection Date: 4/20/2016 6:25 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	4/20/2016 3:33 PM	35714

Client Sample ID: 2000 Rm26 F26-2

Matrix: Drinking Water

Lab ID: 1604D97-008

Date Received: 4/20/2016 12:00 PM

Collection Date: 4/20/2016 6:12 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	4/20/2016 3:36 PM	35714

SUBURBAN LABORATORIES, Inc.

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



Prep Dates

Client: Hygieneering, Inc.

Report Date: April 22, 2016
Original

Project: 2016-2607 / Hoffman Elementary

Workorder: 1604D97

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1604D97-001A	2000 Rm23 F23-1	4/20/2016 6:42 AM	35714	Turbidity Check		4/20/2016 1:25 PM
1604D97-002A	2000 Rm24 F24-1	4/20/2016 6:31 AM	35714	Turbidity Check		4/20/2016 1:25 PM
1604D97-003A	2000 Rm25 F25-1	4/20/2016 6:20 AM	35714	Turbidity Check		4/20/2016 1:25 PM
1604D97-004A	2000 Rm26 F26-1	4/20/2016 6:07 AM	35714	Turbidity Check		4/20/2016 1:25 PM
1604D97-005A	2000 Rm23 F23-2	4/20/2016 6:47 AM	35714	Turbidity Check		4/20/2016 1:25 PM
1604D97-006A	2000 Rm24 F24-2	4/20/2016 6:36 AM	35714	Turbidity Check		4/20/2016 1:25 PM
1604D97-007A	2000 Rm25 F25-2	4/20/2016 6:25 AM	35714	Turbidity Check		4/20/2016 1:25 PM
1604D97-008A	2000 Rm26 F26-2	4/20/2016 6:12 AM	35714	Turbidity Check		4/20/2016 1:25 PM



Report Date: April 22, 2016

WorkOrder: 1604D97

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.
 1960 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: Hygieneing, INC
 Company Address: 7575 Plaza Court
 City: Willowbrook State: IL Zip: 60527
 Phone: 630-654-2550 Fax Report:
 Email Address: Vhotmann@hygieneing.com
 Project ID / Location: 2016-2607/Hoffman Elementary
 Project Manager (Report to): Valerie Hofmann
 Sample Collector(s): Travis Fellers

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 *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED: Method 200.8 Lead
 Enter an "X" in box below for request

Page 1 of 1
 PO No. 2016-2607
 Shipping Method
 GC Reporting 1 2 3
 LAB USE ONLY
 Sample containers supplied by customer? Yes No
 Temperature of Received Samples 22 °C
 Samples received within 24 hours of collection? Yes No

SAMPLE IDENTIFICATION	COLLECTION		MATRIX	GRAB/COMP	CONTAINERS SIZE & TYPE	PRESERVATIVE	ANALYSIS & METHOD REQUESTED	CONDITION CODES
	DATE	TIME						
1 2000-Rm23-F23-1	4/20/16	6:42 AM	DW	G 1	8 oz.	HNO3	X	1A
2 2000-Rm24-F24-1	4/20/16	6:31 AM	DW	G 1	8 oz.	HNO3	X	
3 2000-Rm25-F25-1	4/20/16	6:20 AM	DW	G 1	8 oz.	HNO3	X	
4 2000-Rm26-F26-1	4/20/16	6:07 AM	DW	G 1	8 oz.	HNO3	X	
5 2000-Rm23-F23-2	4/20/16	6:47 AM	DW	G 1	8 oz.	HNO3	X	
6 2000-Rm24-F24-2	4/20/16	6:36 AM	DW	G 1	8 oz.	HNO3	X	
7 2000-Rm25-F25-2	4/20/16	6:25 AM	DW	G 1	8 oz.	HNO3	X	
8 2000-Rm26-F26-2	4/20/16	6:12 AM	DW	G 1	8 oz.	HNO3	X	8A
9								
10								
11								
12								

COMMENTS & SPECIAL INSTRUCTIONS:
 PLEASE COMPLETE THE HIGHLIGHTED SECTIONS

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (L), 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), NaTris

1. Relinquished By: *[Signature]* Date: 4/20/16
 2. Relinquished By: *[Signature]* Date: 4-20-16
 3. Relinquished By: *[Signature]* Date:
 4. Relinquished By: *[Signature]* Date:
 Received By: *[Signature]* Time: 11:05
 Received By: *[Signature]* Time: 12:00
 Received By: *[Signature]* Time:
 Received By: *[Signature]* Time:
 Ice Ice Ice 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.