



April 12, 2016

Bob Anderson  
Hygieneering, Inc.  
7575 Plaza Court  
Willowbrook, IL 60521

Work Order: 1604765

TEL: (630) 654-2550  
FAX:  
RE: 2016-2607

Dear Bob Anderson:

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 blue ink that reads "Shane Clarke".

Shane Clarke  
Business Development Manager  
708-544-3260 ext. 217  
[shane@SuburbanLabs.com](mailto:shane@SuburbanLabs.com)





## Case Narrative

**Client:** HYGIENEERING

**Date:** April 12, 2016

**Project:** 2016-2607

**PO:** 2016-2607

**WorkOrder:** 1604765

**QC Level:**

**Temperature of samples upon receipt at lab:** 5 C

**Chain of Custody:** 128872

### 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 12, 2016

**Project:** 2016-2607

**Workorder:** 1604765

**Client Sample ID:** 2016-2607-01F

**Matrix:** Drinking Water

**Lab ID:** 1604765-001

**Date Received:** 4/12/2016 12:16 PM

**Collection Date:** 4/11/2016 17:25 PM

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	4/12/2016 1:14 PM	35544

**Client Sample ID:** 2016-2607-02D

**Matrix:** Drinking Water

**Lab ID:** 1604765-002

**Date Received:** 4/12/2016 12:16 PM

**Collection Date:** 4/11/2016 17:27 PM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS			Method: EPA-200.8-5.4, 1994			Analyst: jmk		
Lead	55.4	15.0	5.00	*	µg/L	1	4/12/2016 1:17 PM	35544

**Client Sample ID:** 2016-2607-03B

**Matrix:** Drinking Water

**Lab ID:** 1604765-003

**Date Received:** 4/12/2016 12:16 PM

**Collection Date:** 4/11/2016 17:29 PM

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	4/12/2016 1:20 PM	35544

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## Prep Dates

**Client:** Hygieneering, Inc.

**Report Date:** April 12, 2016  
Original

**Project:** 2016-2607

**Workorder:** 1604765

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1604765-001A	2016-2607-01F	4/11/2016 5:25 PM	35544	Turbidity Check		4/12/2016 12:42 PM
1604765-002A	2016-2607-02D	4/11/2016 5:27 PM	35544	Turbidity Check		4/12/2016 12:42 PM
1604765-003A	2016-2607-03B	4/11/2016 5:29 PM	35544	Turbidity Check		4/12/2016 12:42 PM



**Report Date:** April 12, 2016

**WorkOrder:** 1604765

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**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 # 128872

Company Name: Hygiene Inc.

Company Address: 7575 Plaza Ct.

City: Willowbrook State: IL Zip: 60527

Phone: 630-654-2550 Fax: [ ] Fax Report

Email Address: thellers@hygiene.com Final Report will be emailed

Project ID/Location: 2016-2607

Project Manager (Report to): Bob Anderson

Sample Collector(s) Name: Travis Fellers

TURNAROUND TIME REQUESTED: [ ] Normal  RUSH\* \*Additional Rush Charges Approved.

Date & Time Needed: Next Day

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

Lead & PH

Page 1 of 1

PO No: 2016-2607

Shipping Method

Reporting Level (at additional charge) 1 2 3 4

LAB USE ONLY

SU ORDER No: 1004 PLS

Sample containers supplied by customer? [ ] Yes

Temperature of Received Samples: 5 °C

Samples received the same day as collection? [ ] Yes

R Condition Salt LAB #

SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type*	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS		PRESERVATIVE	X	X	X	X	X	X	X	X	X	X	X
	DATE	TIME			QTY	SIZE & TYPE												
1 2016-2607-01 F	4/11/16	5:25p	DW	1			HNO3	X										
2 2016-2607-02 D	4/11/16	5:27p	DW	1			HNO3	X										
3 2016-2607-03 B	4/11/16	5:29p	DW	1			HNO3	X										
4	/	/																
5	/	/																
6	/	/																
7	/	/																
8	/	/																
9	/	/																
10	/	/																
11	/	/																
12	/	/																

COMMENTS & SPECIAL INSTRUCTIONS:

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 [Signature] Date 4/12/16 2. Relinquished By [Signature] Date 4/12/16 3. Relinquished By [Signature] Date 4/12/16 4. Relinquished By [Signature] Date [ ]

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] Time [ ] Ice present [ ] Log present [ ] Submission of samples subject to Terms and Conditions on back. Rev. 07/20/05 White-Original, Pink-Sampler Copy