Industrial hygiene, safety and environmental consulting services

(630)654-2550

June 28, 2016

Email: glen.michelini@ccsd21.org 847-520-2613

Glen Michelini Director of Building and Grounds Wheeling Community Consolidated School District 21 999 West Dundee Road Wheeling, IL 60090

Re: Lead and Copper Water Quality Sampling Hygieneering Project # 2016-2685-EA

Dear Mr. Michelini:

Hygieneering, Inc. (Hygieneering) was retained by Wheeling Community Consolidated School District 21 to provide environmental testing and consulting services. Hygieneering conducted proactive potable water quality sampling at schools that comprise the Wheeling Community Consolidated School District 21. The purpose of this study was <u>not</u> intended for water quality compliance monitoring. The purpose of this study was to conduct proactive water quality sampling for informational purposes for copper and lead analysis.

### Scope of Work

Hygieneering conducted the following tasks as part of this project:

- 1. Hygieneering collected water samples from pre-determined potable water fixtures throughout the following buildings that comprise Wheeling School District 21:
  - Frost Elementary School
  - Holmes Middle School
  - Whitman Elementary School
  - Hawthorne Early Childhood School
  - Twain Elementary School
  - Field Elementary School
  - London Middle School

- Kilmer Elementary School
- Cooper Middle School
- Longfellow Elementary School
- Poe Elementary School
- Riley Elementary School
- Tarkington Elementary School
- Gill Administration Center
- 2. One, first draw water sample was collected from each pre-determined water fixture from each of the above referenced buildings. First draw samples were collected after at least a six-hour rest period, where the fixtures and water were not utilized during that time period, as required by the Environmental Protection Agency (US EPA), Illinois Environmental Protection Agency (IEPA) and Illinois Department of Public Health (IDPH).
- 3. Collectively, a total of twenty-two (58) water samples were collected and submitted to a drinking water accredited laboratory for lead analysis. Per request of the client, samples were analyzed on standard seven to ten laboratory business days.
- 4. Analytical results for lead and copper were compared to the Environmental Protection Agency's (EPA) National Primary Drinking Water Regulations (NPDWR/) or Primary Standards.
- 5. Hygieneering prepared this letter report documenting field activities and laboratory analytical results in comparison to EPA's Primary and/or Secondary Drinking Water Standards.
- 6. Certified Hazardous Materials Managers (CHMM) and Environmental Consultants managed this project.



7. Hygieneering prepared this letter report documenting field activities and laboratory analytical results in comparison to EPA's Primary and/or Secondary Drinking Water Standards.

The following provides detailed information for this water assessment.

#### Constituent/Parameter Selection and Characteristics

Per the request of Wheeling Community Consolidated School District 21, Hygieneering collected water samples for laboratory analysis for lead and copper. Lead and copper in drinking water is commonly associated with corrosion of plumbing systems or erosion of natural deposits (source: United Stated Environmental Protection Agency Drinking Water Contaminants –Standards and Regulations, January 6, 2016).

#### Reference Standards

Under the Safe Drinking Water Act (SDWA), the US EPA regulates various contaminants for drinking water via the National Primary Drinking Water Regulations (NPDWRs or Primary Standards). NPDWRs or Primary Standards are legally enforceable standards that apply to public water systems. Primary standards protect public health by limiting the levels of contaminants or disinfectants in drinking water. The threshold values of contaminants for drinking water are determined via maximum contaminant levels (MCLs) and maximum contaminant level goals (MCLGs) for the future, or by establishing treatment techniques (TT's). MCLs are the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible, and are enforceable standards. MCLGs are the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.

For some contaminants, a treatment technique (TT) is established, which is a required process intended to reduce the level of a contaminant in drinking water if the contaminant is above specific concentrations, known as the Action Level (AL). Lead and copper are addressed by what is referred to as the "Lead and Copper Rule," in which its purpose is to minimize lead and copper levels in drinking water primarily by reducing water corrosivity through treatment techniques. The LCR is a regulation that applies to lead and copper and is required for public water systems (PWS). A PWS is defined as "a public water system provides water for human consumption through pipes or other constructed conveyances to at least 15 service connections or serves an average of at least 25 people for at least 60 days a year. A public water system may be publicly or privately owned." (source:https://www.epa.gov/dwreginfo/information-about-public-water-systems). If the facility is not a PWS, sampling of water and analysis of copper and lead is voluntary. Under the LCR, lead and copper are regulated by a TT based on an established AL to control the corrosiveness of water. The US EPA established AL for lead is 0.015 mg/L [i.e. parts per million (ppm)] which is equivalent to 15 ug/L [i.e. parts per billions (ppb)]. The US EPA established AL for copper is 1.3 mg/L [i.e. parts per million (ppm)] which is equivalent to 1300 ug/L [i.e. parts per billions (ppb) Hygieneering compared lead to the AL of 15 ppb and copper to the AL of 1300 ppb.

The US EPA also established the National Secondary Drinking Water Regulations (NSDWR or Secondary Standards), which are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (skin or tooth discoloration), aesthetic effects (undesirable taste, odor, or color), and technical effects (damage to water equipment or reduced effectiveness of treatment for other contaminants) in drinking water. EPA recommends Secondary Standards to water systems but does not require systems to comply; however, states may choose to adopt them as enforceable standards.



Illinois has adopted all federal MCLs and has also adopted several state-only drinking water standards for which no federal MCL exists. State-only regulated contaminants may be characterized under EPA's Secondary Standards; however, the Illinois state-only drinking water standards also apply.

#### **Project Activities**

Hygieneering collected water samples from various pre-determined fixtures selected by Wheeling Community Consolidated School District 21 for lead and copper analysis at the following buildings:

- Frost Elementary School
- Holmes Middle School
- Whitman Elementary School
- Hawthorne Early Childhood School
- Twain Elementary School
- Field Elementary School
- London Middle School

- Kilmer Elementary School
- Cooper Middle School
- Longfellow Elementary School
- Poe Elementary School
- Riley Elementary School
- Tarkington Elementary School
- Gill Administration Center

The following sections describe the sampling event for this project.

Sampling Methodology, Analysis & Field Observations

Hygieneering collected water samples from pre-determined water fixtures/locations selected by Wheeling Community Consolidated School District 21. The water samples were collected in accordance to methods consistent with protocols and strategies developed by the EPA, IEPA, and/or IDPH. One, first draw water sample was collected from each pre-determined water fixture from each of the above referenced schools. First draw samples were collected after at least a six-hour rest period, where the fixtures and water were not utilized during that time period, as required by the Environmental Protection Agency (US EPA), Illinois Environmental Protection Agency (IEPA) and Illinois Department of Public Health (IDPH). The first draw samples were collected as soon as the fixtures were turn on; samples were collected from the cold water taps. The water samples were collected using laboratory supplied bottles.

May 17, 2016 Sampling Event

Mr. Matt Tyberg and Mr. Matt Seymour, Safety and Health Technicians of Hygieneering, conducted fieldwork on May 17th, 2016. Collectively, Hygieneering collected water samples from fifty-eight (58) predetermined potable water fixtures from the schools mentioned above. A total of fifty-eight (58) water samples were submitted to Suburban Laboratories, Inc., an accredited laboratory of Geneva, Illinois, for lead and copper analysis in accordance to EPA Method 200.8 on standard laboratory turnaround time. Table 1 below summarizes the locations and types of fixtures sampled.

June 1 2016 Sampling Event

Mr. Bob Anderson of Hygieneering, conducted follow up fieldwork on June 1<sup>st</sup>, 2016. Hygieneering collected water samples from one (1) potable water fixtures from Longfellow School room 105. A total of two (2) water samples were submitted to Suburban Laboratories, Inc., an accredited laboratory of Geneva, Illinois, for lead and copper analysis in accordance to EPA Method 200.8 on standard laboratory turnaround time. Table 1 below summarizes the locations and types of fixtures sampled.



		Table 1		
Building	Hygieneering Sample ID	Laboratory Sample ID	Type of Fixture	Description of Fixture and Location
	1805-SKITCHENA	1605F18- 001A	Sink	Left Kitchen Sink of 3 Stage Sink (A). Sink was used just before sample was taken.
Frost Elementary	1805-SBATHROOMB	1605F18- 002A	Sink	Center water spout on Motion sensor sink in Girls' Bathroom (B).
	1805-HFOUNTAINA205	1605F18- 003A	Drinking Fountain	Fountain A on second floor in hallway near room 205.
	1805-SLOUNGE122	1605F18- 004A	Sink	Sink in South West corner of teachers' lounge
	221-SKITCHENA	1605E35- 001A	Sink	Sink A of two fixture sink in Kitchen. Used just before draw was taken.
Holmes Middle School	221-SBATHROOMD	1605E35- 002A	Sink	4th Fixture on multisprayer sink in Boys' Bathroom (D).
School	221-HFOUNTAIN204	1605E35- 003A	Drinking Fountain	2nd floor near room 204
	221-SLOUNGE	1605E35- 004A	Sink	Sink on North side of teachers' lounge.
	133-SKITCHEN123	1605E36- 001A	Sink	Kitchen sink on South wall.
Whitman	133-SBATHROOMA	1605E36- 002A	Sink	Left sink (A) boys bathroom.
Elementary School	133-HFOUNTAINLRCA	1605E36- 003A	Drinking Fountain	Fountain A across from health room 106A.
	133-SLOUNGE108	1605E36- 004A	Sink	Faucet in teachers' lounge on the East side of the room 108.
	200-HFOUNTAIN105B	1605E37- 001A	Drinking Fountain	Drinking fountain on the right (B) located in the hallway near room 105 adjacent to the girls bathroom.
Hawthorne Early	200-SBATHROOM	1605E37- 002A	Sink	North side of the boys' bathroom single fixture and pedal operated.
Childhood School	200-HFOUNTAIN207A	1605E37- 003A	Drinking Fountain	Drinking fountain on the left side (A) near room 207 adjacent to the women's restroom.
	200-SLOUNGEB	1605E37- 004A	Sink	Right sink (B) on the West side of the room of the teachers' lounge.
	515-SKITCHEN	1605E40- 001A	Sink	Sink on the South East side of the kitchen.
Twain Elementary	515-SBATHROOMD	1605E40- 002A	Sink	Bathroom sink on the North wall faucet 3 (D).
School	515- HFOUNTAINMUSICHALLB	1605E40- 003A	Drinking Fountain	Fountain across from cafeteria adjacent to the music room.
	515-SLOUNG135	1605E40- 004A	Sink	Teachers' lounge sink located in room 135.
Field Elementary	51-SKITCHENA	1605E39- 001A	Sink	Left sink in kitchen (A).
School	51-SBATHROOMA	1605E39- 002A	Sink	1st fixture in boys bathroom sink closest to the wall (A).



	Table 1								
Building	Hygieneering Sample ID	Laboratory Sample ID	Type of Fixture	Description of Fixture and Location					
	51-HFOUNTAIN105B	1605E39- 003A	Drinking Fountain	Fountain on 2nd floor near room 105 right side (B).					
	51-SLOUNGE	1605E39- 004A	Sink	Sink on the SW wall of teachers' lounge.					
	1001-SNURSE317	1605F17- 001A	Sink	Nurses sink adjacent to fridge					
London Middle	1001- HFOUNTAINSS.COMMONSB	1605F17- 002A	Drinking Fountain	Drinking fountain on the right side (B). Located in the South Commons.					
School	1001-SBATHRROMSTAFF	1605F17- 003A	Sink	Staff Bathroom located in South Commons.					
	1001-SLOUNGE423	1605F17- 004A	Sink	Room 423 staff dining room in cafeteria area. Sink was used prior to sample collection.					
	1	1605E49- 001A	Drinking Fountain	Fountain located in the hallway East of room 113. Sample collected from the fountain located on the right					
Kilmer Elementary School	2	1605E49- 002A	Sink	Sink is located in the teacher's lounge located South of room 113. Sink is located on the South wall of the teacher's lounge					
	3	1605E49- 003A	Sink	Sink is located in the boy's bathroom West of the gym					
	4	1605E49- 004A	Sink	Sink is locating on the South wall of the Kitchen.					
	5	1605E47- 001A	Sink	Sink is located on the Southeast wall of the kitchen.					
	6	1605E47- 002A	Sink	Sink in located on the North wall of the Teacher's lounge					
Cooper Middle School	7	1605E47- 003A	Drinking Fountain	Drinking fountain is located on the Northwest wall of the hallway across from room 122. Sample collected from the right set of fountains.					
	8	1605E47- 004A	Sink	Sink is located in the boys bathroom across from the Northwest entrance to the building (Door #8)					
	9	1605E45- 001	Drinking Fountain	Fountain located to the right of door #10. Sample collected from the fountains on the right.					
Longfellow Elementary	10	1605E45- 002	Sink	Sink located in the boys bathroom next to door #10. Sample collected from sink of the left.					
School	11	1605E45- 003	Sink	Sink located on the North wall of room 105.					
	12	1605E45- 004	Sink	Sink located on the South wall of the teacher's lounge (room 106).					
	13	1605E45- 005	Sink	Sink located on the North wall of the Kitchen. Sample collected					



Table 1								
Building	Hygieneering Sample ID	Laboratory	Type of	Description of Fixture and				
	,881	Sample ID	Fixture	Location				
				from the faucet on the right.				
	14	1605E44-	Sink	Sink located on the South wall of				
		001A		the teacher's lounge.				
		4.60575.4.4	D	Fountain located in the hallway				
	15	1605E44-	Drinking	to the East of the LMC. Sample				
D E1 .		002A	Fountain	collected from the fountain on the left.				
Poe Elementary School								
School		1605E44-		Sink located in the boys bathroom, South of room 111.				
	16	003E44-	Sink	Sample collected from the Sink				
		005A		on the right.				
		1605E44-		Sink located on the South wall of				
	17	004A	Sink	the Kitchen.				
		00 121		Fountain located in the hallway,				
		1605E43-	Drinking	to the left of room 103. Sample				
	18	001A	Fountain	collected from the fountain on				
		00111	2 0 0 1 1 1 1 1 1	the right.				
	40	1605E43-	01.4	Sink located on the East wall of				
Riley Elementary	19	002A	Sink	the Teacher's Lounge.				
School	20	1605E43- 003A	C:_1_	Sink located in the boy's				
	20		Sink	bathroom across from room 102.				
	21	1605E43- 004A	Sink	Sink located on the North wall of				
				the Kitchen. Sample collected				
		004A		from the faucet on the left.				
		1605E41-		Sink located on the West wall of				
	22	001A	Sink	the Kitchen. Sample collected				
				from the faucet on the left.				
	23	1605E41-	Sink	Sink located on the South wall of				
Tarkington		002A		the Teacher's Lounge.				
Elementary	24	1605E41-	Sink	Sink located on the South wall of				
School		003A		the Health Office.				
	25	1605E41-	Drinking	Fountain located in the hallway				
		004A	Fountain	west of the LMC.				
	26	1605E41-	Sink	Sink located in the boy's				
	20	005A	SHIK	bathroom across from the computer lab (room 219).				
		1605E32-		Single sink located in the Board				
	999-SKITCHENBOARDRM	001A	Sink	Room.				
		1605E32-		Single bathroom on the right side				
Gill	999-SBATHROOMHRB	002A	Sink	near HR.				
Administration	000		Drinking					
Center	999-	1605E32-	Water	Water bottle filling station near				
	HFOUNTAINCURR.OFFICE	003A	Dispenser	curriculum office.				
	999-	1605E32-		Paris - 65 - 13 1 - 11				
	SKITCHENBUSINESSOFF.	004A	Sink	Business office kitchen sink.				



#### Sample Results & Interpretation

In summary, the analytical results were below laboratory reporting limits and indicate no exceedances of EPA's Primary Standard AL for lead in all samples collected and analyzed except for room 105 sink at Longfellow School which was resampled with acceptable results. Refer to the tables in this report, and Appendices A and B for further details of concentrations of lead and sample locations. Laboratory analytical tables for each school detailing sampling dates, locations, types of fixtures, laboratory results and other pertinent information for each school are included in Appendix A. Maps of each school for each sampling event are included in Appendix B. Laboratory analytical reports are included in Appendix C.

#### **Conclusions and Recommendations**

Hygieneering conducted a proactive evaluation of potable water quality for lead and copper selected by Wheeling Community Consolidated School District 21. This investigation was not intended as a drinking water compliance investigation, but for proactive information purposes only. Lead was compared to the EPA's Primary Drinking Water Standard Action Level of 0.015 parts per million (ppm), which is equivalent to 15 parts per billion (ppb). Copper was compared to the EPA's Primary Drinking Water Standard Action Level of 1.3 parts per million (ppm), which is equivalent to 1300 parts per billion (ppb). The Illinois Environmental Protection Agency's (IEPA) and Illinois Department of Public Health (IDPH) have also adopted these AL for lead and copper.

In summary, the analytical results indicate exceedances of EPA's Primary Standard AL for lead in solely the first draw water samples collected from the spigot; lead was below its AL in the water sample collected from the identified locations. Copper was below its AL in first draw samples. Refer to the tables in this report, and Appendices A and B for concentrations of lead and copper locations of exceedances. Hygieneering recommends the following for your consideration:

• Continue with proactive measures of evaluating water quality in the Wheeling Community Consolidated School District 21 facilities.

#### Report Applicability

Results of this assessment were based on conditions present and observations made at the time of this survey. Additional pertinent information is presented in this report, so the report should be read as a whole. If you have any questions regarding this information please contact us at (630) 654-2550. Thank you for this opportunity to continue to serve your environmental, health and safety needs.

Sincerely,

Hygieneering, Inc.

Matt Tyberg

Safety and Health Technician

Bob Anderson, CHMM

Director, Environmental Services

Matt Seymour

Safety and Health Technician

Valerie Hofmann, CHMM

Senior Environmental Consultant



# APPENDIX A

# LABORATORY ANALYTICAL TABLES

Building	Location Room	Floor	Type of fixture sampled	Description of fixture and location
Kilmer	Hallway	1	Drinking Fountain	Fountain located in the hallway East of room 113. Sample collected from the fountain located on the right
Kilmer	Teacher Lounge	1	Sink	Sink is located in the teacher's lounge located South of room 113. Sink is located on the South wall of the teacher's lounge
Kilmer	Bathroom (Boys)	1	Sink	Sink is located in the boy's bathroom West of the gym
Kilmer	Kitchen	1	Sink	Sink is locating on the South wall of the Kitchen.
Cooper	Kitchen	1	Sink	Sink is located on the Southeast wall of the kitchen.
Cooper	Teacher Lounge	1	Sink	Sink in located on the North wall of the Teacher's lounge
Cooper	Hallway	1	Drinking Fountain	Drinking fountain is located on the Northwest wall of the hallway across from room 122. Sample collected from the right set of fountains.
Cooper	Bathroom (Boys)	1	Sink	Sink is located in the boys bathroom across from the Northwest entrance to the building (Door #8)
Longfellow	Hallway	1	Drinking Fountain	Fountain located to the right of door #10. Sample collected from the fountains on the right.
Longfellow	Bathroom (Boys)	1	Sink	Sink located in the boy's bathroom next to door #10. Sample collected from sink of the left.
Longfellow	Room 105	1	Sink	Sink located on the North wall of room 105.
Longfellow	Teacher Lounge (Room 106)	1	Sink	Sink located on the South wall of the teacher's lounge (room 106).
Longfellow	Kitchen	1	Sink	Sink located on the North wall of the Kitchen. Sample collected from the faucet on the right.
Poe	Teacher Lounge	1	Sink	Sink located on the South wall of the teacher's lounge.
Poe	Hallway	1	Drinking Fountain	Fountain located in the hallway to the East of the LMC. Sample collected from the foutnain on the left.
Poe	Bathroom (Boys)	1	Sink	Sink located in the boys bathroom, South of room 111. Sample collected from the Sink on the right.
Poe	Kitchen	1	Sink	Sink located on the South wall of the Kitchen.
Riley	Hallway	1	Drinking Fountain	Fountain located in the hallway, to the left of room 103. Sample collected from the fountain on the right.
Riley	Teacher Lounge (Room 101)	1	Sink	Sink located on the East wall of the Teacher's Lounge.
Riley	Bathroom (Boys)	1	Sink	Sink located in the boy's bathroom across from room 102.
Riley	Kitchen	1	Sink	Sink located on the North wall of the Kitchen. Sample collected from the faucet on the left.
Tarkington	Kitchen (Room 124)	1	Sink	Sink located on the West wall of the Kitchen. Sample collected from the faucet on the left.
Tarkington	Teacher Lounge	1	Sink	Sink located on the South wall of the Teacher's Lounge.
Tarkington	Health Office	1	Sink	Sink located on the South wall of the Health Office.
Tarkington	Hallway	2	Drinking Fountain	Fountain located in the hallway west of the LMC.

Building	Location Room	Floor	Type of fixture sampled	Initial or Flush Sample	Lab ID	Sample ID
Kilmer	Hallway	1	Drinking Fountain	Initial	1605E49-001A	1
Kilmer	Teacher Lounge	1	Sink	Initial	1605E49-002A	2
Kilmer	Bathroom (Boys)	1	Sink	Initial	1605E49-003A	3
Kilmer	Kitchen	1	Sink	Initial	1605E49-004A	4
Cooper	Kitchen	1	Sink	Initial	1605E47-001A	5
Cooper	Teacher Lounge	1	Sink	Initial	1605E47-002A	6
Cooper	Hallway	1	Drinking Fountain	Initial	1605E47-003A	7
Cooper	Bathroom (Boys)	1	Sink	Initial	1605E47-004A	8
Longfellow	Hallway	1	Drinking Fountain	Initial	1605E45-001	9
Longfellow	Bathroom (Boys)	1	Sink	Initial	1605E45-002	10
Longfellow	Room 105	1	Sink	Initial	1605E45-003	11
Longfellow	Teacher Lounge (Room 106)	1	Sink	Initial	1605E45-004	12
Longfellow	Kitchen	1	Sink	Initial	1605E45-005	13
Poe	Teacher Lounge	1	Sink	Initial	1605E44-001A	14
Poe	Hallway	1	Drinking Fountain	Initial	1605E44-002A	15
Poe	Bathroom (Boys)	1	Sink	Initial	1605E44-003A	16
Poe	Kitchen	1	Sink	Initial	1605E44-004A	17
Riley	Hallway	1	Drinking Fountain	Initial	1605E43-001A	18
Riley	Teacher Lounge (Room 101)	1	Sink	Initial	1605E43-002A	19
Riley	Bathroom (Boys)	1	Sink	Initial	1605E43-003A	20
Riley	Kitchen	1	Sink	Initial	1605E43-004A	21
Tarkington	Kitchen (Room 124)	1	Sink	Initial	1605E41-001A	22
Tarkington	Teacher Lounge	1	Sink	Initial	1605E41-002A	23
Tarkington	Health Office	1	Sink	Initial	1605E41-003A	24
Tarkington	Hallway	2	Drinking Fountain	Initial	1605E41-004A	25

Building	Location Room	Floor	Type of fixture sampled	Lab Result (ppb)	Exceedance (Y/N) Lead AL = 15 ppb	Lab Result Copper
Kilmer	Hallway	1	Drinking Fountain	ND	N	244
Kilmer	Teacher Lounge	1	Sink	ND	N	160
Kilmer	Bathroom (Boys)	1	Sink	ND	N	ND
Kilmer	Kitchen	1	Sink	ND	N	211
Cooper	Kitchen	1	Sink	ND	N	110
Cooper	Teacher Lounge	1	Sink	ND	N	184
Cooper	Hallway	1	Drinking Fountain	ND	N	576
Cooper	Bathroom (Boys)	1	Sink	ND	N	102
Longfellow	Hallway	1	Drinking Fountain	ND	N	ND
Longfellow	Bathroom (Boys)	1	Sink	ND	N	ND
Longfellow	Room 105	1	Sink	18.1 (Retested on 6-1-2016 result 5.7)	Y	ND
Longfellow	Teacher Lounge (Room 106)	1	Sink	ND	N	ND
Longfellow	Kitchen	1	Sink	ND	N	159
Poe	Teacher Lounge	1	Sink	ND	N	286
Poe	Hallway	1	Drinking Fountain	ND	N	564
Poe	Bathroom (Boys)	1	Sink	ND	N	123
Poe	Kitchen	1	Sink	ND	N	152
Riley	Hallway	1	Drinking Fountain	ND	N	111
Riley	Teacher Lounge (Room 101)	1	Sink	ND	N	ND
Riley	Bathroom (Boys)	1	Sink	ND	N	ND
Riley	Kitchen	1	Sink	ND	N	230
Tarkington	Kitchen (Room 124)	1	Sink	ND	N	ND
Tarkington	Teacher Lounge	1	Sink	ND	N	ND
Tarkington	Health Office	1	Sink	ND	N	ND
Tarkington	Hallway	2	Drinking Fountain	ND	N	ND

Building	Location Room	Floor	Type of fixture sampled	Exceedance (Y/N)	Notes
Kilmer	Hallway	1	Drinking Fountain	N	
Kilmer	Teacher Lounge	1	Sink	N	
Kilmer	Bathroom (Boys)	1	Sink	N	
Kilmer	Kitchen	1	Sink	N	
Cooper	Kitchen	1	Sink	N	
Cooper	Teacher Lounge	1	Sink	N	
Cooper	Hallway	1	Drinking Fountain	N	
Cooper	Bathroom (Boys)	1	Sink	N	
Longfellow	Hallway	1	Drinking Fountain	N	
Longfellow	Bathroom (Boys)	1	Sink	N	
Longfellow	Room 105	1	Sink	N	Retest of the sink on 6-1-2016 results 5.7
Longfellow	Teacher Lounge (Room 106)	1	Sink	N	
Longfellow	Kitchen	1	Sink	N	
Poe	Teacher Lounge	1	Sink	N	
Poe	Hallway	1	Drinking Fountain	N	
Poe	Bathroom (Boys)	1	Sink	N	
Poe	Kitchen	1	Sink	N	
Riley	Hallway	1	Drinking Fountain	N	
Riley	Teacher Lounge (Room 101)	1	Sink	N	
Riley	Bathroom (Boys)	1	Sink	N	
Riley	Kitchen	1	Sink	N	
Tarkington	Kitchen (Room 124)	1	Sink		
Tarkington	Teacher Lounge	1	Sink		
Tarkington	Health Office	1	Sink		
Tarkington	Hallway	2	Drinking Fountain		

Building	Location Room Floor Type of fixture sampled		Type of fixture sampled	Description of fixture and location		
Tarkington	Bathroom (Boys)	2	Sink	Sink located in the boy's bathroom across from the computer lab (room 219).		
Frost	Kitchen	1	Sink	Left Sink of 3 Stage Sink (A).		
Frost	Bathroom (Girls)	1	Sink	Center water spout on Motion sensor sink (B).		
Frost	Hallway 2nd Floor	2	Drinking Fountain	Fountain A on second floor in hallway near room 205.		
Frost	Teacher Lounge	1	Sink	Sink in South West corner of teachers' lounge		
Holmes	Kitchen	1	Sink	Sink A of two fixture sink.		
Holmes	Bathroom (Boys)	1	Sink	4th Fixture on multisprayer sink (D).		
Holmes	Hallway	2	Drinking Fountain	2nd floor near room 204		
Holmes	Teacher Lounge	1	Sink	Sink on North side of teachers' lounge.		
Whitman	Kitchen	1	Sink	Kitchen sink on South wall.		
Whitman	Bathroom (Boys)	1	Sink	Left sink (A).		
Whitman	Hallway	1	Drinking Fountain	Fountain A acrross from health room 106A.		
Whitman	Teacher Lounge	1	Sink	Faucet in teachers' lounge on the East side of the room 108.		
Hawthorne	Hallway	1	Drinking Fountain	Drinking fountain on the right (B) located in the hallway near room 105 adjacent to the girls bathroom.		
Hawthorne	Bathroom	1	Sink	North side of the bathroom single fixture and pedal operated.		
Hawthorne	Hallway	2	Drinking Fountain	Drinking fountain on theleft side (A) near room 207 adjacent to the womens' restroom.		
Hawthorne	Teacher Lounge	2	Sink	Right sink (B) on the West side of the room of the teachers' lounge.		
Twain	Kitchen	1	Sink	Sink on the South East side of the kitchen.		
Twain	Bathroom	1	Sink	Sink on the North wall faucet 3 (D).		
Twain	Hallway	1	Drinking Fountain	Fountain across from cafeteria adjacent to the music room.		
Twain	Teacher Lounge	1	Sink	Teachers' lounge sink located in room 135.		
Field	Kitchen	2	Sink	Left sink in kitchen (A).		
Field	Bathroom	1	Sink	1st fixture in sink closest to the wall (A).		
Field	Hallway	2	Drinking Fountain	Fountain on 2nd floor near room 105 right side (B).		
Field	Teacher Lounge	2	Sink	Sink on the SW wall of teachers' lounge.		
London	Nurses Office	1	Sink	Nurses sink adjacent to fridge		
London	Hallway	1	Drinking Fountain	Drinking fountain on the right side (B). Located in the South Commons.		
London	Bathroom	1	Sink	Staff Bathroom located in South Commons.		
London	Teacher Lounge	1	Sink	Room 423 staff dining room in cafeteria area. Sink was used prior to sample collection.		
Admin	Kitchen	2	Sink	Single sink located in the Board Room.		
Admin	Bathroom	1	Sink	Single bathroom on the right side near HR.		
Admin	Hallway	2	Drinking Water Dispenser	Water bottle filling station near curriculum office.		
Admin	Kitchen	LL	Sink	Business office kitchen sink.		
Longfellow	Room 105	1	Sink	Single sink in room 105		
Longfellow	Room 105	1	Sink	Single sink in room 105		

Building	Location Room	Floor	Type of fixture sampled	Initial or Flush Sample	Lab ID	Sample ID
Tarkington	Bathroom (Boys)	2	Sink	Initial	1605E41-005A	26
Frost	Kitchen	1	Sink	Initial	1605F18-001A	1805-SKITCHENA
Frost	Bathroom (Girls)	1	Sink	Initial	1605F18-002A	1805-SBATHROOMB
Frost	Hallway 2nd Floor	2	Drinking Fountain	Initial	1605F18-003A	1805-HFOUNTAINA205
Frost	Teacher Lounge	1	Sink	Initial	1605F18-004A	1805-SLOUNGE122
Holmes	Kitchen	1	Sink	Initial	1605E35-001A	221-SKITCHENA
Holmes	Bathroom (Boys)	1	Sink	Initial	1605E35-002A	221-SBATHROOMD
Holmes	Hallway	2	Drinking Fountain	Initial	1605E35-003A	221-HFOUNTAIN204
Holmes	Teacher Lounge	1	Sink	Initial	1605E35-004A	221-SLOUNGE
Whitman	Kitchen	1	Sink	Initial	1605E36-001A	133-SKITCHEN123
Whitman	Bathroom (Boys)	1	Sink	Initial	1605E36-002A	133-SBATHROOMA
Whitman	Hallway	1	Drinking Fountain	Initial	1605E36-003A	133-HFOUNTAINLRCA
Whitman	Teacher Lounge	1	Sink	Initial	1605E36-004A	133-SLOUNGE108
Hawthorne	Hallway	1	Drinking Fountain	Initial	1605E37-001A	200-HFOUNTAIN105B
Hawthorne	Bathroom	1	Sink	Initial	1605E37-002A	200-SBATHROOM
Hawthorne	Hallway	2	Drinking Fountain	Initial	1605E37-003A	200-HFOUNTAIN207A
Hawthorne	Teacher Lounge	2	Sink	Initial	1605E37-004A	200-SLOUNGEB
Twain	Kitchen	1	Sink	Initial	1605E40-001A	515-SKITCHEN
Twain	Bathroom	1	Sink	Initial	1605E40-002A	515-SBATHROOMD
Twain	Hallway	1	Drinking Fountain	Initial	1605E40-003A	515-HFOUNTAINMUSICHALLB
Twain	Teacher Lounge	1	Sink	Initial	1605E40-004A	515-SLOUNG135
Field	Kitchen	2	Sink	Initial	1605E39-001A	51-SKITCHENA
Field	Bathroom	1	Sink	Initial	1605E39-002A	51-SBATHROOMA
Field	Hallway	2	Drinking Fountain	Initial	1605E39-003A	51-HFOUNTAIN105B
Field	Teacher Lounge	2	Sink	Initial	1605E39-004A	51-SLOUNGE
London	Nurses Office	1	Sink	Initial	1605F17-001A	1001-SNURSE317
London	Hallway	1	Drinking Fountain	Initial	1605F17-002A	1001-HFOUNTAINSS.COMMONSB
London	Bathroom	1	Sink	Initial	1605F17-003A	1001-SBATHRROMSTAFF
London	Teacher Lounge	1	Sink	Initial	1605F17-004A	1001-SLOUNGE423
Admin	Kitchen	2	Sink	Initial	1605E32-001A	999-SKITCHENBOARDRM
Admin	Bathroom	1	Sink	Initial	1605E32-002A	999-SBATHROOMHRB
Admin	Hallway	2	Drinking Water Dispenser	Initial	1605E32-003A	999-HFOUNTAINCURR.OFFICE
Admin	Kitchen	LL	Sink	Initial	1605E32-004A	999-SKITCHENBUSINESSOFF.
Longfellow	Room 105	1	Sink	Initial	1606006-001A	105-I
Longfellow	Room 105	1	Sink	Flush	1606006-002A	105-F

Building	Location Room	Floor	Type of fixture sampled	Lab Result (ppb)	Exceedance (Y/N) Lead AL = 15 ppb	Lab Result Copper
Tarkington	Bathroom (Boys)	2	Sink	ND	N	268
Frost	Kitchen	1	Sink	ND	N	124
Frost	Bathroom (Girls)	1	Sink	ND	N	ND
Frost	Hallway 2nd Floor	2	Drinking Fountain	ND	N	ND
Frost	Teacher Lounge	1	Sink	ND	N	123
Holmes	Kitchen	1	Sink	ND	N	129
Holmes	Bathroom (Boys)	1	Sink	ND	N	121
Holmes	Hallway	2	Drinking Fountain	ND	N	109
Holmes	Teacher Lounge	1	Sink	ND	N	ND
Whitman	Kitchen	1	Sink	ND	N	116
Whitman	Bathroom (Boys)	1	Sink	ND	N	ND
Whitman	Hallway	1	Drinking Fountain	ND	N	ND
Whitman	Teacher Lounge	1	Sink	ND	N	271
Hawthorne	Hallway	1	Drinking Fountain	ND	N	489
Hawthorne	Bathroom	1	Sink	ND	N	125
Hawthorne	Hallway	2	Drinking Fountain	ND	N	ND
Hawthorne	Teacher Lounge	2	Sink	6.12	N	ND
Twain	Kitchen	1	Sink	ND	N	148
Twain	Bathroom	1	Sink	ND	N	ND
Twain	Hallway	1	Drinking Fountain	ND	N	165
Twain	Teacher Lounge	1	Sink	ND	N	149
Field	Kitchen	2	Sink	ND	N	105
Field	Bathroom	1	Sink	ND	N	ND
Field	Hallway	2	Drinking Fountain	ND	N	ND
Field	Teacher Lounge	2	Sink	ND	N	116
London	Nurses Office	1	Sink	ND	N	188
London	Hallway	1	Drinking Fountain	ND	N	188
London	Bathroom	1	Sink	ND	N	ND
London	Teacher Lounge	1	Sink	ND	N	142
Admin	Kitchen	2	Sink	ND	N	ND
Admin	Bathroom	1	Sink	ND	N	285
Admin	Hallway	2	Drinking Water Dispenser	ND	N	ND
Admin	Kitchen	LL	Sink	ND	N	ND
Longfellow	Room 105	1	Sink	5.70	N	ND
Longfellow	Room 105	1	Sink	ND	N	ND

Building	Location Room	Floor	Type of fixture sampled	Exceedance (Y/N)	Notes
Tarkington	Bathroom (Boys)	2	Sink		
Frost	Kitchen	1	Sink	N	
Frost	Bathroom (Girls)	1	Sink	N	
Frost	Hallway 2nd Floor	2	Drinking Fountain	N	
Frost	Teacher Lounge	1	Sink	N	
Holmes	Kitchen	1	Sink		
Holmes	Bathroom (Boys)	1	Sink		
Holmes	Hallway	2	Drinking Fountain		
Holmes	Teacher Lounge	1	Sink		
Whitman	Kitchen	1	Sink		
Whitman	Bathroom (Boys)	1	Sink		
Whitman	Hallway	1	Drinking Fountain		
Whitman	Teacher Lounge	1	Sink		
Hawthorne	Hallway	1	Drinking Fountain		
Hawthorne	Bathroom	1	Sink		
Hawthorne	Hallway	2	Drinking Fountain		
Hawthorne	Teacher Lounge	2	Sink		
Twain	Kitchen	1	Sink		
Twain	Bathroom	1	Sink		
Twain	Hallway	1	Drinking Fountain		
Twain	Teacher Lounge	1	Sink		
Field	Kitchen	2	Sink		
Field	Bathroom	1	Sink		
Field	Hallway	2	Drinking Fountain		
Field	Teacher Lounge	2	Sink		
London	Nurses Office	1	Sink		
London	Hallway	1	Drinking Fountain	N	
London	Bathroom	1	Sink	N	
London	Teacher Lounge	1	Sink	N	
Admin	Kitchen	2	Sink	N	
Admin	Bathroom	1	Sink		
Admin	Hallway	2	Drinking Water Dispenser		
Admin	Kitchen	LL	Sink		
Longfellow	Room 105	1	Sink		
Longfellow	Room 105	1	Sink		



# APPENDIX B

# SCHOOL MAPS



# APPENDIX C

# LABORATORY ANALYTICAL REPORTS



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

Bob Anderson Hygieneering, Inc. 7575 Plaza Court

Willowbrook, IL 60521

Work Order: 1605E32

TEL: (630) 654-2550

FAX:

RE: GILL ADMINISTRATION BLDG

#### 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,

Pat Rodriguez

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: GILL ADMINISTRATION BLDG

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E32

- 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.
- 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:



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

### **Laboratory Results**

Client: Hygieneering, Inc.

Report Date: May 25, 2016

Project: GILL ADMINISTRATION BLDG

Workorder: 1605E32

Client Sample ID: 999 S KITCHEN BOARD RM

Matrix: Drinking Water

Report **Parameter MCL** DF Date Analyzed BatchID Result Qual Units Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 7:50 PM 36387

Client Sample ID: 999 S BATHROOM HR B Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 5/19/2016 7:53 PM 15.0 5.00 μg/L 36387

Client Sample ID: 999 FOUNTAIN CURR OFFICE Matrix: Drinking Water

Report **Parameter MCL** Units Result Qual Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 7:57 PM 36387

Client Sample ID: 999 S KITCHEN BUSINESS

Matrix: Drinking Water

**OFFICE** 

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 8:00 PM 36387



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

**Prep Dates** 

Report Date: May 25, 2016

Original

Workorder: 1605E32

Client: Hygieneering, Inc.

**Project:** GILL ADMINISTRATION BLDG

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1605E32-001A	999 S KITCHEN BOARD RM	5/17/2016 9:32 AM				
			36387 Turbi	dity Check	4	5/19/2016 11:28 AM
1605E32-002A	999 S BATHROOM HR B	5/17/2016 9:36 AM				
			36387 Turbi	dity Check	4	5/19/2016 11:28 AM
1605E32-003A	999 FOUNTAIN CURR OFFICE	5/17/2016 9:40 AM				
			36387 Turbi	dity Check	4	5/19/2016 11:28 AM
1605E32-004A	999 S KITCHEN BUSINESS OFFICE	5/17/2016 9:43 AM				
			36387 Turbi	dity Check	4	5/19/2016 11:28 AM



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

# **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605E32

### **Qualifiers:**

В	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
Н	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

Value exceeds Maximum Contaminant Level

Volir records	Keen a conv for	Please fill out this form completely, print, sign & submit with samples. Keen a conv for your records	oletelv. print. sign {	I out this form com	L		Rev. 7/20/08	1	ns and Condition	Submission of samples subject to Terms and Conditions on back.	mission of sar	Subj
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g time	<ol> <li>Received past holding time</li> <li>Received frozen</li> <li>Label conflicts with COC</li> </ol>	7. 6. 5.				7		7.50	1		Glass (G), Plastic (P) <u>PRESERVATIVE:</u> H <sub>z</sub> SO <sub>4</sub> , HCl, HNO <sub>3</sub> , Methanol (MeOH) NaOH, Sodium Bisultate (NaB), NaThio	Glass H <sub>2</sub> SO NaOH
s for VOCs	<ol> <li>Insufficient sample volume</li> <li>Headspace/air bubbles for VOCs</li> </ol>		banderson @ hygien eenng.com	٠.	meeting. Con	aly A 4 (D) Sign	: 312be	~	1 7 - 8 P	Studge (U), Wipe (P) <u>CONTAINER;</u> 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube,	ge (U), Wipe (P) <u>s</u> 8oz, 40ml Vial, 500	Sludg 4oz, £
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June 23, 2016

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

Workorder: 1605E32

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

TEL: (630) 654-2550

FAX:

RE: GILL ADMINISTRATION BLDG

Dear Bob Anderson:

Suburban Laboratories, Inc. received 4 sample(s) on 5/18/2016 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

Tanu Rodyen

Customer Service Manager 708-544-3260 ext 214

pat@suburbanlabs.com



#### **Case Narrative**

Client: Hygieneering, Inc.

Project: GILL ADMINISTRATION BLDG

PO #: 2016-2685

WorkOrder: 1605E32 QC Level:
Temperature of samples upon receipt at SLI: 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.
- 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:

This report supersedes the report dated 05/25/16 with the addition of copper data.



Lead

Lead

#### Suburban Laboratories, Inc.

ND

ND

15.0

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

# **Laboratory Results**

05/19/2016 7:50 PM

05/19/2016 7:57 PM

36387

36387

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc. Report Date: June 23, 2016 Project Name: GILL ADMINISTRATION BLDG Workorder: 1605E32

Client Sample ID: 999 S KITCHEN BOARD RM

Lab ID: 1605E32-001 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 9:32 AM

Dilution Report MCL Limit Parameter Result Qual. Units Factor Date Analyzed **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper ND 1,300 100 05/19/2016 7:50 PM 36387 ua/L

μg/L

μg/L

5.00 Client Sample ID: 999 S BATHROOM HR B Matrix: DRINKING WATER

15.0

Lab ID: 1605E32-002 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 9:36 AM

Report Dilution Factor Date Analyzed MCL Limit Batch ID Parameter Result Qual. Units

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

ND 15.0 5.00 05/19/2016 7:53 PM 36387 Lead μg/L

Client Sample ID: 999 FOUNTAIN CURR OFFICE Matrix: DRINKING WATER

Lab ID: 1605E32-003 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 9:40 AM

Dilution Report **Parameter** Result MCL Limit Oual. Units Factor Date Analyzed **Batch ID** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper ND 1,300 100 μg/L 05/19/2016 7:57 PM 36387

5.00 Client Sample ID: 999 S KITCHEN BUSINESS OFFICE Matrix: DRINKING WATER

Lab ID: 1605E32-004 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 9:43 AM

**Dilution** Report Result MCL Limit Units Factor Date Analyzed **Parameter** Oual. **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper ND 1,300 100 05/19/2016 8:00 PM 36387 ua/L 5.00 05/19/2016 8:00 PM Lead ND 15.0 μg/L 36387 1



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

# PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: June 23, 2016 Project: GILL ADMINISTRATION BLDG Lab Order: 1605E32

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date	
1605E32-001A	5/17/2016 9:32:00 A	36387	TURB_METALS	Turbidity Check		5/19/2016	
1605E32-002A	5/17/2016 9:36:00 A	36387	TURB_METALS	Turbidity Check		5/19/2016	
1605E32-003A	5/17/2016 9:40:00 A	36387	TURB_METALS	Turbidity Check		5/19/2016	
1605E32-004A	5/17/2016 9:43:00 A	36387	TURB_METALS	Turbidity Check		5/19/2016	

Created: 6/23/2016 3:06:40 AM

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

**Qualifier Definitions** 

WO#: **1605E32**Date: **6/23/2016** 

### **Qualifiers:**

 $*/_{X}$ Value exceeds Maximum Contaminant Level В Analyte detected in the associated Method Blank C Value is below Minimum Concentration Limit Analyte not in SLI scope of accredidation c Estimated, detected above quantitation range E G Refer to case narrative page for specific comments Η 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 Accredidation is not available from Wisconsin Q R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits T Analyte detected in sample trip blank

Page 5 of 6 Created: 6/23/2016 3:06:40 AM

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HNO3
PRESERVATIVE
Please specify in comment
MWRDGC
SDWA
✓ None/Info only
Normal TAT is 5-7 work days for most work. Flush work must be pre-approved and additional charges apply.
*Additional Rush Charges Approved.
CHAIN OF Toll Free: 800.783.LABS



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

Bob Anderson Hygieneering, Inc. 7575 Plaza Court Willowbrook, IL 60521 Work Order: 1605E35

TEL: (630) 654-2550

FAX:

RE: HOLMES MIDDLE SCHOOL

#### 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,

Pat Rodriguez

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585

TNI FBORATOR

Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: HOLMES MIDDLE SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E35

- 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.
- 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:



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

### **Laboratory Results**

Client: Hygieneering, Inc.

Project: HOLMES MIDDLE SCHOOL

Client Sample ID: 221 S KITCHEN A

Report Date: May 25, 2016

Workorder: 1605E35

Matrix: Drinking Water

Report **Parameter MCL** Units DF Date Analyzed BatchID Result Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 8:03 PM 36387

Client Sample ID: 221 S BATHROOM D Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk ND 5/19/2016 8:20 PM Lead 15.0 5.00 μg/L 36387

Client Sample ID: 221 H FOUNTAIN 204 Matrix: Drinking Water

Report **Parameter MCL** Units Result Qual Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 8:23 PM 36387

Client Sample ID: 221 S LOUNGE Matrix: Drinking Water

Report **Parameter** MCL Units Result Qual Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 8:27 PM 36387



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

**Prep Dates** 

Report Date: May 25, 2016

Original

Workorder: 1605E35

Client: Hygieneering, Inc.

**Project:** HOLMES MIDDLE SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1605E35-001A	221 S KITCHEN A	5/17/2016 6:40 AM		
			36387 Turbidity Check	5/19/2016 11:28 AM
1605E35-002A	221 S BATHROOM D	5/17/2016 6:43 AM		
			36387 Turbidity Check	5/19/2016 11:28 AM
1605E35-003A	221 H FOUNTAIN 204	5/17/2016 6:55 AM		
			36387 Turbidity Check	5/19/2016 11:28 AM
1605E35-004A	221 S LOUNGE	5/17/2016 6:49 AM		
			36387 Turbidity Check	5/19/2016 11:28 AM

Value exceeds Maximum Contaminant Level



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

# **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605E35

### **Qualifiers:**

\*

В	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
Н	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

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1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

Bob Anderson Hygieneering, Inc. 7575 Plaza Court

Willowbrook, IL 60521

TEL: (630) 654-2550

FAX:

RE: WALT WHITMAN SCHOOL

#### 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.

Work Order: 1605E36

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

Paru Rodyu-

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: WALT WHITMAN SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E36

- 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.
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- 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:



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

### **Laboratory Results**

Client: Hygieneering, Inc.

Project: WALT WHITMAN SCHOOL

Workorder: 1605E36

Client Sample ID: 133 S KITCHEN 123 Matrix: Drinking Water

Report **Parameter MCL** DF Date Analyzed BatchID Result Qual Units Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 8:30 PM 36387

Client Sample ID: 133 S BATHROOM A Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk ND 5/19/2016 9:00 PM Lead 15.0 5.00 μg/L 36387

Client Sample ID: 133 H FOUNTAIN LRCA

Matrix: Drinking Water

Report **Parameter MCL** Units Result Qual Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 9:03 PM 36387

Client Sample ID: 133 S LOUNGE 108 Matrix: Drinking Water

Report **Parameter** MCL Units Result Qual Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 9:07 PM 36387



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

**Prep Dates** 

Report Date: May 25, 2016

Original

Workorder: 1605E36

Client: Hygieneering, Inc.

**Project:** WALT WHITMAN SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1605E36-001A	133 S KITCHEN 123	5/17/2016 7:03 AM				
			36387 Turbi	dity Check	:	5/19/2016 11:28 AM
1605E36-002A	133 S BATHROOM A	5/17/2016 7:07 AM				
			36387 Turbi	dity Check	:	5/19/2016 11:28 AM
1605E36-003A	133 H FOUNTAIN LRCA	5/17/2016 7:09 AM				
			36387 Turbi	dity Check	:	5/19/2016 11:28 AM
1605E36-004A	133 S LOUNGE 108	5/17/2016 7:12 AM	·	_	_	_
			36387 Turbi	dity Check	:	5/19/2016 11:28 AM



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

# **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605E36

### **Qualifiers:**

\*

В	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

Value exceeds Maximum Contaminant Level

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June 23, 2016

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

Workorder: 1605E36

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

TEL: (630) 654-2550

FAX:

RE: WALT WHITMAN SCHOOL

Dear Bob Anderson:

Suburban Laboratories, Inc. received 4 sample(s) on 5/18/2016 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

Tanu Rodyen

Customer Service Manager 708-544-3260 ext 214

pat@suburbanlabs.com



#### **Case Narrative**

Client: Hygieneering, Inc.

Project: WALT WHITMAN SCHOOL

PO #: 2016-2685

WorkOrder: 1605E36 QC Level:
Temperature of samples upon receipt at SLI: 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.
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- 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.

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- 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:

This report supersedes the report dated 05/25/16 with the addition of copper data.



#### Suburban Laboratories, Inc.

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

# **Laboratory Results**

Client ID: Hygieneering, Inc.

Project Name: WALT WHITMAN SCHOOL

Workorder: 1605E36

Client Sample ID: 133 S KITCHEN 123

Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units 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 05/19/2016 8:30 PM 36387

Client Sample ID: 133 S BATHROOM A Matrix: DRINKING WATER

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS

Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper ND 1,300 100  $\mu$ g/L 1 05/19/2016 9:00 PM 36387 Lead ND 15.0 5.00  $\mu$ g/L 1 05/19/2016 9:00 PM 36387

Client Sample ID: 133 H FOUNTAIN LRCA

Matrix: DRINKING WATER

Report Dilution
Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS

Method: EPA-200.8-Rev 5.4, 1994

Analyst: jmk

 Copper
 ND
 1,300
 100
 μg/L
 1
 05/19/2016 9:03 PM
 36387

 Lead
 ND
 15.0
 5.00
 μg/L
 1
 05/19/2016 9:03 PM
 36387

Client Sample ID: 133 S LOUNGE 108

Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units 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 05/19/2016 9:07 PM 36387



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

# PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: June 23, 2016 Project: WALT WHITMAN SCHOOL Lab Order: 1605E36

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1605E36-001A	5/17/2016 7:03:00 A	36387	TURB_METALS	Turbidity Check	5/19/2016
1605E36-002A	5/17/2016 7:07:00 A	36387	TURB_METALS	Turbidity Check	5/19/2016
1605E36-003A	5/17/2016 7:09:00 A	36387	TURB_METALS	Turbidity Check	5/19/2016
1605E36-004A	5/17/2016 7:12:00 A	36387	TURB_METALS	Turbidity Check	5/19/2016

Created: 6/23/2016 3:07:36 AM

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

# **Qualifier Definitions**

WO#: **1605E36**Date: **6/23/2016** 

# **Qualifiers:**

*/X	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accredidation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
Н	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	Accredidation 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

Page 5 of 6

or your records.	Keep a copy for	ubmit with samples.	≱tely, print, sign & su	Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	Please fill	V08	Rev. 7/20/08	ns on back.	ms and Conditio	Submission of samples subject to Terms and Conditions on back.	Submis
Time	∏ Ice	Received By	ICe Time		Received By	16.10	A Aice	Received and the	Time 12:00	Ice Ice	Heceived By
Date		4. Relinquished By	Date	ed By		5-18-16		2. Relinquished By	5/17/16	TREAS SHARE	1. Relinquished By
coc	7. Label conflicts with COC									ulfate (NaB), NaThio	NaOH, So
		60								42SO4, HCl, HNO3, Methanol (MeOH)	H <sub>2</sub> SO <sub>4</sub> , H(
ling time	<ol> <li>Headspace/air pubbles for VOCs</li> <li>Received past holding time</li> </ol>		passes son of nygron earny. Com	Ç.	ecins. com	3@hygiene	· ATYDER	E-MAIL RESULTS TO: MYLOGORYGIONEOUS. GM	17.31	Glass (G), Plastic (P) PRESERVATIVE:	Glass (G),
volume	3. Insufficient sample volume					<u>)</u>			ι	Sidge (U), Wipe (F) CONTAINER; 202.	O) egons
ion	2. Improper preservation	o ki				•	SULPHON!	DRINKING WATER REGULATIONS	- I Drwki	Ground Water (GW), Solid Waste (WA),	Ground W
CONDITION CODES //damaged container/cap	<u>CONDITION CODES</u> 1.  mproper/damaged container/cap	-1				SNOITC	JGHTED SEC	PLEASE COMPLETE THE HIGHLIGHTED SECTIONS	PLEASE CON	Waste Water (WW), Surface Water(SW),	Waste Wa
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24							Divid	n4dt		133 - SBATHOOM A	N
- 1			X	HNO3	94 49	G I &	DW	17/16 3	× 5.	133-5KITOHEN 173	<u></u>
Spiit LAB#	R Condition		Me	PRESERVATIVE	SIZE & TYPE	Ωty	MATRIX	DATE TIME	iner Type	Use One Line Per Preservation & Container Type	
within Yes	Samples received within 24 hours of collection?		thod		CONTAINERS	GRAB/ CONT	-	COLLECTION	Ĕ Z	SAMPLE IDENTIFICATION	- Charles
22 °c	Temperature of Received Samples		200.	*Please specify in comment section below.	Other section	Disposal 📉	_ 		NBERLE	Sample Collector(s)  MATT 14	Sample
ers mer? ∐Yes	Sample Containers supplied by customer?		8 Lea	MWRDGC	NPDES	503 Sludge			HNDERSON	aport to) Bos	Project N
E36	SLI Order No.		ad	SDWA	SRP	LISIT		0 4	される。	Project ID/Location WALT WHITMAN SCHOOL	Project
LAB USE ONLY	LAB US			✓ None/Info only		Specify Regulatory Program: (Required)	Spe	COM	a ieneecing.	myhbedwhyaieneeriss.com	Email Address
□1 □2 □3	CC Reporting Level			. Rush work must be ges apply.	AT is 5-7 work days for most work. Ru pre-approved and additional charges	Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.		Fax Report	Fax	Phone (630) 654- 2550	Phone
Pa	Shipping Method					*Date & Time Needed:	*Date	42809 dz	State	WILLOWSROOK	S S
6- Xb85	910 L ONDE		Enter an "X" in box below for request	"Additional Rush Charges Approved.	RUSH* Char	Normal	  X		_	Company Address 7575 p	Compan
of 6	Page of		ANALYSIS & METHOD REQUESTED	QUESTED	ID TIME REC	TURNAROUND TIME REQUESTED			. 1NC	Name HY 61EN CORING	Company Name
Electronic Version	# Electro	CUSTODY RECORD www.suburbanlabs.com		CHAIN OF Toll Free: 800.783,LABS		Fax: 708.544.8587	260	SUBURBAN LABORATORIES, Inc. 1950 S Batavia Ave Ste 150 Geneva, IL 60134 Tel. 708.544.3260	N LABO	SUBURBAN LABORA 1950 S Batavia Ave Ste 150 Geneva, IL 60134	6



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

Bob Anderson

Hygieneering, Inc. 7575 Plaza Court Willowbrook, IL 60521

TEL: (630) 654-2550

FAX:

RE: HAWTHORNE EARLY CHILDHOOD SCHOOL

#### 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.

Work Order: 1605E37

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

Paru Rodyen

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585

TNI TABORATOR

Illinois EPA #100225 Wisconsin FID#:399089350



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

Case Narrative

Client: HYGIENEERING Date: May 25, 2016 Project: HAWTHORNE EARLY CHILDHOOD PO: 2016-2685

SCHOOL

Temperature of samples upon receipt at lab: 22 C

QC Level: WorkOrder: 1605E37 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.
- 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
- 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:



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

### **Laboratory Results**

Client: Hygieneering, Inc.		Report Date: May 25, 2016
Project: HAWTHORNE EARLY CHI	LDHOOD SCHOOL	Workorder: 1605E37
Client Sample ID: 200 H FOUNTAIN	105B	Matrix: Drinking Water
<b>Lab ID:</b> 1605E37-001	<b>Date Received:</b> 5/18/2016 16:10 PM	<b>Collection Date:</b> 5/17/2016 7:44 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	94				Analyst: jmk	
Lead	ND	15.0	5.00		μg/L	1	5/19/2016 9:10 PM	И 36387

Client Sample ID: 200 S BATHROOM Matrix: Drinking Water

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	94				Analyst: jmk	
Lead	ND	15.0	5.00		μg/L	1	5/19/2016 9:13 PM	1 36388

Client Sample ID: 200 H FOUNTAIN 207A Matrix: Drinking Water

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-	200 8-5 4, 19	994				Analyst: jmk	,
Lead	ND	15.0	5.00		μg/L	1	5/19/2016 9:16 PM	1 36388

Client Sample ID: 200 S LOUNGE B Matrix: Drinking Water

Parameter	Result M	Report ICL Limit	Qual Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-200	8-5 4, 1994			Analyst: jmk	
Lead	6.12 15	.0 5.00	μg/L	1	5/19/2016 9:20 PM	1 36388



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

**Prep Dates** 

Report Date: May 25, 2016

Original

Workorder: 1605E37

Client: Hygieneering, Inc.

Project: HAWTHORNE EARLY CHILDHOOD SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1605E37-001A	200 H FOUNTAIN 105B	5/17/2016 7:44 AM		
			36387 Turbidity Check	5/19/2016 11:28 AM
1605E37-002A	200 S BATHROOM	5/17/2016 7:48 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E37-003A	200 H FOUNTAIN 207A	5/17/2016 7:51 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E37-004A	200 S LOUNGE B	5/17/2016 7:54 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM



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

# **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605E37

### **Qualifiers:**

\*

В	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
Н	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

Value exceeds Maximum Contaminant Level

r your records.	. Keep a copy for	ibmit with samples.	ly, print, sign & su	this form completely, print, sign & submit with samples. Keep a copy for your records.	Please fill out		Rev. 7/20/08		back.	nditions on	erms and Cor	Submission of samples subject to Terms and Conditions on back	ubmission of	лS
Time	☐ Ice	Received By	Time	☐ Ice	Received By	16.10	Ice Time	_ کالآ		Received By	e 12:06	Ice	ceived By	Rec
Date	Į.	4. Relinquished By	Date		3. Relinquished By	5-18-18	S- S-		2. Relinquished By		5/17/16	THE SE	1. Relinquished By	\$ : p
30C	7, Label conflicts with COC	7										NaOH, Sodium Bisulfate (NaB), NaThio	OH, Sodium Bis	NaC
<u>.</u>	6. Received frozen	<b>o</b> (				1			•			Glass (G), Plastic (P) PRESCRYATIVE:	SO HO HAIO	ב פ
iles for VOCs	4. Headspace/air bubbles for VOCs		banderson & hygien earing. com	bundersonle	ins. Com ,	hygienee	(Operation	3.	E-MAIL RESOLTS TO: MY begolygience mas com	コートラ	<u>ائا</u> ٦	4oz, 8oz, 40mł Vial, 500ml, Liter (L), Tube,	z, 8oz, 40mł Via	402
⁄olume	<ol><li>Insufficient sample volume</li></ol>						•	700	7	S 100 B	<del>ر</del> ج	Sludge (U), Wipe (P) <u>CONTAINER;</u> 2oz.	udge (U), Wipe (	Sic
ä	2. Improper preservation	<i>N</i>				Č	אסיק אַ		Secretary of the second of the			Ground Water (GW), Solid Waste (WA),	ound Water (GV	ត្ត
container/cap	1. Improper/damaged container/cap	-4				Ž N	D SECTIO		PLEASE COMPLETE THE HIGHLIGHTED SECTIONS		PI FASE	Waste Water (WW), Surface Water(SW),	aste Water (WW	W <sub>a</sub>
CODES	CONDITION CODES		-				-	NO.	COMMENTS & SPECIAL INSTRUCTIONS:	- 2 S SPEC	COMMEN	MATRIX: Drinking Water (DW), Soil (S).	ATRIX: Drinking	Š,
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Spilt LAB#	R Condition		1830	PRESERVATIVE	SIZE & TYPE PRE	Qty	COMP.	MATRIX		DATE	tainer Type	Use One Line Per Preservation & Container Type	Use One	_
on? Yes	Samples received within 24 hours of collection?			athor	NERS	CONTAINERS	GRAB/	<u> </u>	COLLECTION	8	Ō	SAMPLE IDENTIFICATION	z,	Carrie Consult
27 °o Pa	Temperature of Received Samples			*Please specify in comment section below.	1	sal Xother	Disposal	-			MBERGE	MA	Sample Collector(s)	Sã
□Yes	Sample containers supplied by customer?			-2.2.	NPDES		503 Sludge			~	BOB ANDERSON	Report to) Bos 1	Project Manager (Report to)	Ş
of of	511 Organ No.			SDWA	] SRP	S	msn	B	104F75			HAMTHORNE EARLY (HILDHOOD	Project ID / Location	3
	LAB USE ONLY			✓ None/Info only		Specify Regulatory Program: (Required)	Specify Ru		7	sh CON	ya ienzeci	Mybers why reneering com	Email Address	g g
1 🗌 2 🔲 3	QC Reporting 1			) work must be oply.	Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.	ls 5-7 work days e-approved and a	Normal TAT	Fax Report			Fax	Phono(630) 654-1550	(059)	卫
	Shipping Method					e Needed:	*Date & Time Needed:		60527	Zip	State ML		Olly William	Ō
,- 2685	7016		Enter an "X" in box below for request		*Additional Rush RUSH* Charges Approved		Normal			7,	PLATERA CT.	7575	Company Address	δ
<b>D</b> annou, j.	Page of		ANALYSIS & METHOD REQUESTED		TURNAROUND TIME REQUESTED	RNAROUND	וטד				5.1NC	Hybreneoring inc	Company Name	Σ
		anlabs.com	www.suburbanlabs.com	Toll Free: 800.783.LABS		Fax: 708.544.8587		Tel. 708,544.3260	Tel. 708	IL 60134	Ste 150 Geneva	<ul> <li>1950 S Batavia Ave Ste 150 Geneva, IL 60134</li> </ul>		
Electronic Version	# Electron	コロくしつし		TAIN OF C	2			C.	כחובט,			OUDUNDAN FADUNATURIES, IIIC.		_



June 23, 2016

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

Workorder: 1605E37

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

TEL: (630) 654-2550

FAX:

RE: HAWTHORNE EARLY CHILDHOOD SCHOOL

Dear Bob Anderson:

Suburban Laboratories, Inc. received 4 sample(s) on 5/18/2016 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

Tanu Rodyen

Customer Service Manager 708-544-3260 ext 214

pat@suburbanlabs.com



#### **Case Narrative**

Client: Hygieneering, Inc.

Project: HAWTHORNE EARLY CHILDHOOD SCHO

PO #: 2016-2685

WorkOrder: 1605E37 QC Level:
Temperature of samples upon receipt at SLI: 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.
- 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:

This report supersedes the report dated 05/25/16 with the addition of copper data.



#### Suburban Laboratories, Inc.

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

## **Laboratory Results**

Client ID: Hygieneering, Inc. Report Date: June 23, 2016 Project Name: HAWTHORNE EARLY CHILDHOOD SCHOO Workorder: 1605E37

Client Sample ID: 200 H FOUNTAIN 105B

Matrix: DRINKING WATER

Lab ID: 1605E37-001 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 7:44 AM

Dilution Report

MCL Limit Parameter Result Qual. Units Factor Date Analyzed **Batch ID** 

**METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

ND 15.0 5.00 05/19/2016 9:10 PM 36387 Lead μg/L

Client Sample ID: 200 S BATHROOM Matrix: DRINKING WATER

Lab ID: 1605E37-002 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 7:48 AM

Dilution Report

MCL Limit **Parameter** Result Oual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

ND Lead 15.0 5.00 μg/L 05/19/2016 9:13 PM 36388

Client Sample ID: 200 H FOUNTAIN 207A Matrix: DRINKING WATER

Lab ID: 1605E37-003 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 7:51 AM

Report Dilution

Result MCL Limit Factor Date Analyzed Units **Batch ID** Parameter Qual. Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk METALS BY ICPMS 1,300 100 ND 05/19/2016 9:16 PM 36388 Copper μg/L Lead ND 15.0 5.00 μg/L 05/19/2016 9:16 PM 36388

Client Sample ID: 200 S LOUNGE B Matrix: DRINKING WATER

Lab ID: 1605E37-004 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 7:54 AM

Report **Dilution** MCL Limit Factor Date Analyzed

Result

**METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk 05/19/2016 9:20 PM ND 1,300 100 36388 Copper μg/L 1 6.12 5.00 05/19/2016 9:20 PM 36388 Lead 15.0 μg/L

Units

Qual.

**Batch ID** 

Parameter



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

## PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: June 23, 2016 Project: HAWTHORNE EARLY CHILDH Lab Order: 1605E37

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date	
1605E37-001A	5/17/2016 7:44:00 A	36387	TURB_METALS	Turbidity Check		5/19/2016	
1605E37-002A	5/17/2016 7:48:00 A	36388	TURB_METALS	Turbidity Check		5/19/2016	
1605E37-003A	5/17/2016 7:51:00 A	36388	TURB_METALS	Turbidity Check		5/19/2016	
1605E37-004A	5/17/2016 7:54:00 A	36388	TURB METALS	Turbidity Check		5/19/2016	

Page 4 of 6

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

**Qualifier Definitions** 

WO#: **1605E37**Date: **6/23/2016** 

### **Qualifiers:**

 $*/_{X}$ Value exceeds Maximum Contaminant Level Analyte detected in the associated Method Blank В C Value is below Minimum Concentration Limit Analyte not in SLI scope of accredidation c Estimated, detected above quantitation range E G Refer to case narrative page for specific comments Η 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 Accredidation is not available from Wisconsin Q R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits T Analyte detected in sample trip blank

Page 5 of 6

Created: 6/23/2016 3:08:28 AM

or your records.	. Keep a copy for	Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	/, print, sign & s	npletely	Il out this form cor	Please fi		Rev. 7/20/08	\   <sub>R</sub>	ack.	itions on ba	ms and Cond	Submission of samples subject to Terms and Conditions on back.	omission of sa	Sub
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ling time	5. Received past holding time		panel son of nyglor carry: com	G G	Ç	eesing. Con	hygien	Band C	1. 3. <del>3.</del>	C:MAIL RESULTS TO: ATTROBOTYGIONGING. GM	きった	V	904, 904, 40m vial, 500m, Liter (L), 1006, Glass (G), Plastic (P) PRESERVATIVE;	402, 802, 40iii vat, 500iii, cher (د), 100 Glass (G), Plastic (P)  PRESERVATIVE;	Glase
blas for VOCs	A Headensee/air birbbles for VOCs		harris anne			•		}	-	i	•	(	Condida (C), washe (T) (COM) The (T) This	90 (0), vv)00 (F) 5	, ,,,
tion	2. Improper preservation	<u> </u>						0 × 0	うして	DRINKING WATER REGULATIONS	KING WIF	- Drwi	oild Waste (WA),	Ground Water (GW), Solid Waste (WA),	0.00
d container/cap	1. Improper/damaged container/cap	<del></del>					Š	SECTIO	'ICHLED	PLEASE COMPLETE THE HIGHLIGHTED SECTIONS	DMPLETE	PLEASE C	Waste Water (WW), Surface Water(SW),	te Water (WW), S	Wast
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tion? Yes	Samples received within 24 hours of collection?			ethoc		CONTAINERS		GRAB/		COLLECTION	COLL	Ź	SAMPLE IDENTIFICATION	SAMI	
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□ 1 □ 2 □ 3	QC Reporting Level				<ul> <li>Rush work must be irges apply.</li> </ul>	Normal TAT is 5-7 work days for most work. Rush work pre-approved and additional charges apply.	e-approved a	Normal TAT	<u> </u>	Fax Report		Fax	654-2550		뫈
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of 6	Page of		ANALYSIS & METHOD REQUESTED	AN,	SUESTED	TURNAROUND TIME REQUESTED	RNAROU	ָ װַ				INC	Hy61ENEARING	Company Name H	င္ပ
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1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

Bob Anderson Hygieneering, Inc. 7575 Plaza Court Willowbrook, IL 60521 Work Order: 1605E39

TEL: (630) 654-2550

FAX:

RE: EUGENE FIELD SCHOOL

#### 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,

Pat Rodriguez

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585

TNI ABORATOR

Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: EUGENE FIELD SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E39

- 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.
- 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:



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

### **Laboratory Results**

Report Date: May 25, 2016 Client: Hygieneering, Inc. Project: EUGENE FIELD SCHOOL Workorder: 1605E39 Client Sample ID: 51 S KITCHEN A Matrix: Drinking Water **Lab ID:** 1605E39-001 **Date Received:** 5/18/2016 16:10 PM **Collection Date: 5/17/2016 8:39 AM** Report **Parameter MCL** Units DF Date Analyzed BatchID Result Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 9:23 PM 36388 Client Sample ID: 51 S BATHROOM A Matrix: Drinking Water **Lab ID:** 1605E39-002 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 8:42 AM Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk ND 5/19/2016 9:40 PM Lead 15.0 5.00 μg/L 36388 Client Sample ID: 51 S H FOUNTAIN 105B Matrix: Drinking Water Lab ID: 1605E39-003 **Collection Date:** 5/17/2016 8:46 AM **Date Received:** 5/18/2016 16:10 PM Report **Parameter MCL** Units Result Qual Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk

Client Sample ID: 51 S LOUNGE Matrix: Drinking Water

15.0

ND

5.00

Report **Parameter** MCL Units Result Qual Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 9:50 PM 36388

Rpt Ver: 5/25/2016 12:41 AM

Lead

μg/L

5/19/2016 9:43 PM

36388



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

**Prep Dates** 

Report Date: May 25, 2016

Original

Workorder: 1605E39

Client: Hygieneering, Inc.

**Project:** EUGENE FIELD SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1605E39-001A	51 S KITCHEN A	5/17/2016 8:39 AM				
			36388 Turbio	dity Check	5	//19/2016 11:30 AM
1605E39-002A	51 S BATHROOM A	5/17/2016 8:42 AM				
			36388 Turbio	dity Check	5	//19/2016 11:30 AM
1605E39-003A	51 S H FOUNTAIN 105B	5/17/2016 8:46 AM				
			36388 Turbio	dity Check	5	//19/2016 11:30 AM
1605E39-004A	51 S LOUNGE	5/17/2016 8:52 AM				
			36388 Turbio	dity Check	5	/19/2016 11:30 AM

Value exceeds Maximum Contaminant Level



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

## **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605E39

### **Qualifiers:**

\*

В	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
Н	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

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olana san	6. Received frozen	6											ЮH)	H <sub>2</sub> SO <sub>4</sub> , HCI, HNO <sub>3</sub> , Methanol (MeOH)	<sub>2</sub> SO <sub>4</sub> , НСІ, Н
bles for VOCs ing time	<ol> <li>Headspace/air bubbles for VOCs</li> <li>Received past holding time</li> </ol>	<b>9. COM</b> 4.	banderson of hygien early. com	301 G	C	E-MAIL RESULTS TO: MYBEBERYGIENCERING. COM	?hygien	Tyberge	٥. 3	SULTS T	TL RE	TE-MA	(L), Tube, ATIVE:	40z, 80z, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE;	)z, 80z, 40m lass (G), Plo
volume				)							•	7	ER: 20z,	Sludge (U), Wipe (P) CONTAINER: 20z,	ludge (U), W
Ö	2. Improper preservation	10 (10						4025	きるな	DRINKING WATER REGILATIONS	NO WA	しのでんだ		Ground Water (GW), Solld Waste (WA),	round Water
container/cap	<ol> <li>improper/damaged container/cap</li> </ol>						SNO	ED SECTI	THOTE	THE HIGH	MPLETE	PLEASE COMPLETE THE HIGHLIGHTED SECTIONS		Waste Water (WW), Surface Water(SW),	aste Water
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Yes	supplied by customer?				MWRDGC	NPDES	503 Sludge	503				HNOERSON	BOB AN	aport to)	roject Mana
CV OI	STI CONTRACTOR			ad	SDWA	SRP						Sitosi	FRU SHOOL	DOCATION TO	Project ID / Location
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1 2 3	CC Reporting Level			1	Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.	AT is 5-7 work days for most work. Rush wo pre-approved and additional charges apply.	T is 5-7 work or approved a	Normal TA	Fax Report	Fax I		Fax		Phono(630) 654-2550	hone 63
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	Page of		ANALYSIS & METHOD REQUESTED	AN.	QUESTED	TURNAROUND TIME REQUE	JRNAROU	` =				120	HYGIENEBRING.	ame Hybien	Company Name
Electronic Version		anlabs.com	www.suburbanlabs.com	LABS	Toll Free: 800.783.LABS		Fax: 708.544.8587		Tel. 708.544.3260	Tel. 708	60134	150 Geneva, IL	1950 S Batavia Ave Ste 150 Geneva, IL 60134	1950 S	
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June 23, 2016

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

Workorder: 1605E39

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

TEL: (630) 654-2550

FAX:

RE: EUGENE FIELD SCHOOL

Dear Bob Anderson:

Suburban Laboratories, Inc. received 4 sample(s) on 5/18/2016 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

Tanu Rodyen

Customer Service Manager 708-544-3260 ext 214

pat@suburbanlabs.com



#### **Case Narrative**

Client: Hygieneering, Inc.

Project: EUGENE FIELD SCHOOL

PO #: 2016-2685

WorkOrder: 1605E39 QC Level:
Temperature of samples upon receipt at SLI: 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.
- 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:

This report supersedes the report dated 05/25/16 with the addition of copper data.



Lead

#### Suburban Laboratories, Inc.

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

ND

15.0

## **Laboratory Results**

05/19/2016 9:40 PM

36388

Matrix: DRINKING WATER

Dilution

μg/L

Client ID: Hygieneering, Inc. Report Date: June 23, 2016 Project Name: EUGENE FIELD SCHOOL Workorder: 1605E39

Client Sample ID: 51 S KITCHEN A

Lab ID: 1605E39-001 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 8:39 AM

Dilution Report

MCL Limit Parameter Result Qual. Units Factor Date Analyzed **Batch ID** 

**METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

ND 15.0 5.00 05/19/2016 9:23 PM 36388 Lead μg/L

Client Sample ID: 51 S BATHROOM A Matrix: DRINKING WATER

Report

Lab ID: 1605E39-002 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 8:42 AM

MCL Limit **Parameter** Result Oual. Units Factor Date Analyzed Batch ID METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper ND 1.300 100 μg/L 05/19/2016 9:40 PM 36388

5.00 Client Sample ID: 51 S H FOUNTAIN 105B Matrix: DRINKING WATER

Lab ID: 1605E39-003 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 8:46 AM

Report Dilution **Parameter** Result MCL Limit Oual. Units Factor Date Analyzed **Batch ID** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 

Copper ND 1,300 100 μg/L 05/19/2016 9:43 PM 36388 5.00 Lead ND 15.0 05/19/2016 9:43 PM 36388 μg/L

Client Sample ID: 51 S LOUNGE Matrix: DRINKING WATER

Lab ID: 1605E39-004 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 8:52 AM

Report **Dilution** 

Result MCL Limit Units Factor Date Analyzed **Parameter** Oual. **Batch ID** 

**METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

ND 15.0 5.00 05/19/2016 9:50 PM 36388 Lead μg/L



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

## PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: June 23, 2016 Lab Order: 1605E39 Project: EUGENE FIELD SCHOOL

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date	
1605E39-001A	5/17/2016 8:39:00 A	36388	TURB_METALS	Turbidity Check		5/19/2016	
1605E39-002A	5/17/2016 8:42:00 A	36388	TURB_METALS	Turbidity Check		5/19/2016	
1605E39-003A	5/17/2016 8:46:00 A	36388	TURB_METALS	Turbidity Check		5/19/2016	
1605E39-004A	5/17/2016 8:52:00 A	36388	TURB_METALS	Turbidity Check		5/19/2016	

Created: 6/23/2016 3:09:19 AM

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

**Qualifier Definitions** 

WO#: **1605E39**Date: **6/23/2016** 

## **Qualifiers:**

*/X	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accredidation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
Н	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	Accredidation 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

Page 5 of 6 Created: 6/23/2016 3:09:19 AM

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of f 6	ANALYSIS & METHOD REQUESTED Page	ANALYSIS & ME	QUESTED	D TIME REC	TURNAROUND TIME REQUE			1NC	Hybieneorand6.	Company Name
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1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

Bob Anderson Hygieneering, Inc. 7575 Plaza Court Willowbrook, IL 60521 Work Order: 1605E40

TEL: (630) 654-2550

FAX:

RE: TWAIN ELEMENTARY SCHOOL

#### 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,

Pat Rodriguez

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585

TNI FREDRATORY

Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: TWAIN ELEMENTARY SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E40

- 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.
- 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:



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

### **Laboratory Results**

Client: Hygieneering, Inc.	<b>Report Date:</b> May 25, 2016
Project: TWAIN FLEMENTARY SCHOOL	Workorder: 1605F40

Client Sample ID: 515 S KITCHEN Matrix: Drinking Water

Report **Parameter MCL** Units DF Date Analyzed BatchID Result Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 9:53 PM 36388

Client Sample ID: 515 S BATHROOM D Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk ND 5/19/2016 9:56 PM Lead 15.0 5.00 μg/L 36388

Client Sample ID: 515 H FOUNTAIN MUSIC HALL Matrix: Drinking Water

В

Report **Parameter** Result **MCL** Qual Units Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk ND 15.0 5.00 5/19/2016 10:00 PM Lead μg/L 36388

Client Sample ID: 515 S LOUNGE 135 Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 10:03 PM 36388



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

**Prep Dates** 

Report Date: May 25, 2016

Original

Workorder: 1605E40

Client: Hygieneering, Inc.

**Project:** TWAIN ELEMENTARY SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1605E40-001A	515 S KITCHEN	5/17/2016 8:15 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E40-002A	515 S BATHROOM D	5/17/2016 8:18 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E40-003A	515 H FOUNTAIN MUSIC HALL B	5/17/2016 8:21 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E40-004A	515 S LOUNGE 135	5/17/2016 8:24 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM

Value exceeds Maximum Contaminant Level



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

## **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605E40

### **Qualifiers:**

\*

В	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

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Date		4. Relinquished By	Date	Ву	3. Relinquished By	5-18-16		Z. Heinquished By	12	15 Jan	MATE THERE	<b>1</b>
COC	<ol><li>Received frozen</li><li>Label conflicts with COC</li></ol>	7									H <sub>2</sub> SO <sub>4</sub> , HCl, HNO <sub>3</sub> , Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio	H <sub>2</sub> SO,
bles for VOCs	<ol> <li>Headspace/air bubbles for VOCs</li> <li>Received past holding time</li> </ol>		bunderson@hygieneenng.com	, bunderson le		@hygienea	w.tybergi	E-MAIL RESULTS TO: MYbergehygieneering.com	E-MALL	iter (L), Tube, ERVATIVE:	40z, 80z, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE;	4oz, 8 Glass
volume	3. Insufficient sample volume		•				ULATIONS	- DRINKING WATER REGULATIONS	Drwking I		Sludge (U), Wipe (P) CONTAINER: 2oz.	Sludg
container/cap	1. Improper/damaged container/cap	<del>)</del>				TIONS	SEC.	PLEASE COMPLETE THE HIGHLIGHTED SECTIONS	ASE COMPLE		Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA)	Wast
N CODES	CONDITION CODES			***************************************			WS:	COMMENTS & SPECIAL INSTRUCTIONS:	MENTS & SPE		MATRIX: Drinking Water (DW), Soil (S),	MAT
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∏Yes	Sample containers supplied by customer?		8 Le:		NPDES	503 Sludge 🔲				BOB ANDERSON	Project (Manager (Heport to)	) rj
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June 23, 2016

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

Workorder: 1605E40

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

TEL: (630) 654-2550

FAX:

RE: TWAIN ELEMENTARY SCHOOL

Dear Bob Anderson:

Suburban Laboratories, Inc. received 4 sample(s) on 5/18/2016 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

Tanu Rodyen

Customer Service Manager 708-544-3260 ext 214

pat@suburbanlabs.com



#### **Case Narrative**

Client: Hygieneering, Inc.

Project: TWAIN ELEMENTARY SCHOOL

PO #: 2016-2685

WorkOrder: 1605E40 QC Level:
Temperature of samples upon receipt at SLI: 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.
- 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:

This report supersedes the report dated 05/25/16 with the addition of copper data.



#### Suburban Laboratories, Inc.

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

## **Laboratory Results**

Analyst: jmk

Client ID: Hygieneering, Inc.

Project Name: TWAIN ELEMENTARY SCHOOL

Report Date: June 23, 2016

Workorder: 1605E40

Client Sample ID: 515 S KITCHEN

 **Collection Date:** 05/17/2016 8:15 AM

Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994

Lead ND 15.0 5.00 μg/L 1 05/19/2016 9:53 PM 36388

Client Sample ID: 515 S BATHROOM D Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS

Method: EPA-200.8-Rev 5.4, 1994

Analyst: jmk

Copper ND 1,300 100  $\mu$ g/L 1 05/19/2016 9:56 PM 36388 Lead ND 15.0 5.00  $\mu$ g/L 1 05/19/2016 9:56 PM 36388

Client Sample ID: 515 H FOUNTAIN MUSIC HALL B

Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units 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 05/19/2016 10:00 PM 36388

Client Sample ID: 515 S LOUNGE 135

Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units 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 05/19/2016 10:03 PM 36388



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

## PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: June 23, 2016 Project: TWAIN ELEMENTARY SCHOO Lab Order: 1605E40

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date	
1605E40-001A	5/17/2016 8:15:00 A	36388	TURB_METALS	Turbidity Check		5/19/2016	
1605E40-002A	5/17/2016 8:18:00 A	36388	TURB_METALS	Turbidity Check		5/19/2016	
1605E40-003A	5/17/2016 8:21:00 A	36388	TURB_METALS	Turbidity Check		5/19/2016	
1605E40-004A	5/17/2016 8:24:00 A	36388	TURB METALS	Turbidity Check		5/19/2016	

Created: 6/23/2016 3:10:15 AM

## Suburban Laboratories, Inc.

**Qualifier Definitions** 

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

WO#: **1605E40**Date: **6/23/2016** 

## **Qualifiers:**

*/X	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accredidation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
Н	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	Accredidation 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

Page 5 of 6

t this form completely, print, sign & submit with samples. Keep a copy for your records.	with samples. Keep	/, print, sign & submit v	ompletely	out this form o	Please till ou		Rev. 7/20/08		×	ions on bac	ns and Condit	Submission of samples subject to Terms and Conditions on back.	ission of samp	Subin
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Date	4. Relinquished By			ed by	G. Helinquished by	5-18-16	\ \frac{1}{2}			2. Helinquished B	5/17/16	WHE !	MATT THERE "	
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<ol> <li>Headspace/air bubbles for VOCs</li> <li>Received past holding time</li> </ol>		bunderson @ hygien earing.com	S61@	Ç	251145. <i>COM</i>	hygiene	(Deged	37	E-MAIL RESULTS TO: MYbergehygieneering. am	TH RE	I E-MA	Liter (L), Tube, SERVATIVE:	40z, 80z, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE;	40z, 80 Glass (
3. Insufficient sample volume		•	}				9,0		PRINTING WATER ACCOUNTS OF THE	· (we pur	せてるア	TAINER: 20z.	Sludge (U), Wipe (P) CONTAINER: 20z.	Sludge
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of 6		ANALYSIS & METHOD REQUESTED		QUESTED	TURNAROUND TIME REQUESTED	IRNAROUN	, Tu				. INC	HY61ENEBRING	Company Name Hy	CO
Electronic Version	ECORD #	CUSTODY RECORD www.suburbanlabs.com	OF C	CHAIN OF Toll Free: 800.783.LABS		Fax: 708.544.8587	Fax:	IES, Inc. Tel. 708.544.3260	)RIES, Tel. 708.	)RATC	N LABC e 150 Geneva, II	SUBURBAN LABORATORIES, Inc. 1950 S Batavia Ave Ste 150 Geneva, IL 60134 Tel. 708.544.32	M. 19	



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

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

TEL: (630) 654-2550

FAX:

**RE: TARKINGTON SCHOOL** 

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.

Work Order: 1605E41

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

Paru Rodyu-

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585

TNI FBORATOR

Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: TARKINGTON SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E41

- 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.
- 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:



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

## **Laboratory Results**

Client: Hygieneering, Inc.				Re	port Date: 1	May 25	, 2016	
<b>Project:</b> TARKINGTON SCHOOL				W	orkorder:	1605E4	1	
Client Sample ID: 310 S 124A					Matrix	: Drinl	king Water	
<b>Lab ID:</b> 1605E41-001	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 8:10 AM	
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed Batcl	hID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Lead	ND	15.0	5.0	0	μg/L	1	5/19/2016 10:20 PM 36	6388
Client Sample ID: 310 S T LOUNGE					Matrix	<b>::</b> Drinl	king Water	
<b>Lab ID:</b> 1605E41-002	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 8:15 AM	
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed Batch	hID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Lead	ND	15.0	5.0	0	μg/L	1	5/19/2016 10:23 PM 36	6388
Client Sample ID: 310 S HEALTH					Matrix	: Drinl	king Water	
<b>Lab ID:</b> 1605E41-003	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 8:20 AM	
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed Batcl	hID
METALS by ICPMS	Method: EPA	200 8-5 4, 1	994				Analyst: jmk	
Lead	ND	15.0	5.00	0	μg/L	1	5/19/2016 10:26 PM 36	6388
Client Sample ID: 310 HF LMC					Matrix	: Drinl	king Water	
<b>Lab ID:</b> 1605E41-004	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	2016 8:25 AM	
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed Batch	hID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Lead	ND	15.0	5.0	0	$\mu g/L$	1	5/19/2016 10:30 PM 36	6388



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

**Laboratory Results** 

Client: Hygieneering, Inc.

Report Date: May 25, 2016

Project: TARKINGTON SCHOOL

Workorder: 1605E41

Client Sample ID: 310 S BATHROOM Matrix: Drinking Water

**Lab ID:** 1605E41-005 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 8:30 AM

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk 5.00 Lead ND 15.0  $\mu g/L$ 5/19/2016 11:00 PM 36388



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

**Prep Dates** 

Report Date: May 25, 2016

Original

Workorder: 1605E41

Client: Hygieneering, Inc.

**Project:** TARKINGTON SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1605E41-001A	310 S 124A	5/17/2016 8:10 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E41-002A	310 S T LOUNGE	5/17/2016 8:15 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E41-003A	310 S HEALTH	5/17/2016 8:20 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E41-004A	310 HF LMC	5/17/2016 8:25 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E41-005A	310 S BATHROOM	5/17/2016 8:30 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM



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

## **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605E41

### **Qualifiers:**

W

В	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
Н	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

Sample container temperature is out of limit as specified at testcode

Value exceeds Maximum Contaminant Level

this form completely, print, sign & submit with samples. Keep a copy for your records.	ubmit with samples. K	letely, print, sign & si	out this form comp	Prease III out	20/00	1104. //20/00	or or order			/ -{
Ice		rce			16.10		ns on back	・人、Cの erms and Conditio	sion of samples subject to Terms and Conditions on back	sion of
	Received By	Time		Received By	Time		Received By	Time	☐ Ice	~
Date	4. Relinquished By	Date	d By	3. Helinquished B	2-14-18		No. of the state o	5/17/16	Semme	Matt Su
6. Received frozen 7. Label conflicts with COC	6. A			.;			P. Belinguished By	Date	H <sub>2</sub> SO <sub>4</sub> , HCl, HNO <sub>3</sub> , Methanoi (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio 1. Relinguishod By	H <sub>2</sub> SO <sub>4</sub> , HCl, HNO <sub>5</sub> , Methanoi (MeOH) NaOH, Sodium Bisulfate (NaB), NaThl 1. Relinquished By
Insumicient sample volume     Headspace/air bubbles for VOCs     Beceived past holding time	ي مو دن	Donderson why we can be one		to: Mseymour only gieneering. com,	x ohygiei	1 Sey moi	Cesults	-E-mail	40z, 80z, 40ml Vial, 500ml, Llter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE:	40z, 8oz, 40ml Vial Glass (G), Plastic (
2. Improper preservation		hair a			)	i		7	Sludge (U), Wipe (P) CONTAINER; 2oz.	Sludge (U), Wipe (I
CONDITION CODES 1. Improper/damaged container/cap	7, 1				ECTIONS	IGHTED S	PLEASE COMPLETE THE HIGHLIGHTED SECTIONS  - Dronking Info+er Recognitions	PLEASE COI	Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA),	Waste Water (WW Ground Water (GW
						OWS:	COMMENTS & SPECIAL INSTRUCTIONS	COMMENTS	MATRIX: Drinking Water (DW), Soil (S).	MATRIX: Drinking
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SLI Order No.	ωI	d	SDWA	SRP	LSN1			ton School	Tackinston	Project Manager (Banet to)
AB USE ONLY			✓ None/Info only		Specify Regulatory Program: (Required)		COR	hygieneerin	insermour Shygiecection.	Project ID / Location
CC Reporting 1 7 2 7 3			<ul> <li>Aush work must be rges apply.</li> </ul>	Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.	lormal TAT is 5-7 wo		Fax Report	2 Fax	1) 654-2550	(630)
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Page 1 of 1	g 	ANALYSIS & METI	QUESTED	TURNAROUND TIME REQUESTED	TURNARO				Hygieneering	Company Address
# Electronic Version	RECORD anlabs.com	CU	CHAIN ree: 800.78	14.8587 Toll F	Fax: 708.544.8587	Tel. 708.544.3260	.60134 Tel. 708	1950 S Batavia Ave Ste 150 Geneva, IL 60134	1950 S Batavia Av	Company Name
			}			,	SUBURBAN I ABOBATOBIES INC		I SIRIR	



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

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

TEL: (630) 654-2550

FAX:

**RE: TARKINGTON SCHOOL** 

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.

Work Order: 1605E41

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

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350

Rpt Ver: 6/10/2016 1:20 PM



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

**Case Narrative** 

Client: HYGIENEERING

Project: TARKINGTON SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E41

- 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.
- All radiological results are reported to the 95% confidence level.

#### Abbreviations:

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- 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:

Rpt Ver: 6/10/2016 1:20 PM

# SUBURBAN LABORATORIES, Inc. 1950 S. Batavia Ave., Suite 150, Geneva, IL 60



Rpt Ver: 6/10/2016 1:20 PM

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

# **Laboratory Results**

Client: Hygieneering, Inc.				Re	port Date:	May 25	, 2016
Project: TARKINGTON SCHOOL				W	orkorder:	1605E4	11
Client Sample ID: 310 S 124A					Matrix	x: Drin	king Water
<b>Lab ID:</b> 1605E41-001	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 8:10 AM
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed BatchII
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	994				Analyst: jmk
Lead	ND	15.0	5.00	)	μg/L	1	5/19/2016 10:20 PM 3638
Client Sample ID: 310 S T LOUNGE					Matrix	x: Drin	king Water
<b>Lab ID:</b> 1605E41-002	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 8:15 AM
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed BatchII
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	994				Analyst: jmk
Lead	ND	15.0	5.00	)	μg/L	1	5/19/2016 10:23 PM 3638
Client Sample ID: 310 S HEALTH					Matrix	x: Drin	king Water
<b>Lab ID:</b> 1605E41-003	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 8:20 AM
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed BatchII
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	994				Analyst: jmk
Lead	ND	15.0	5.00	)	μg/L	1	5/19/2016 10:26 PM 3638
Client Sample ID: 310 HF LMC					Matrix	x: Drin	king Water
<b>Lab ID:</b> 1605E41-004	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 8:25 AM
D	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed BatchII
Parameter							
Parameter  METALS by ICPMS	Method: EPA	200 8-5 4, 19	994				Analyst: jmk



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

**Laboratory Results** 

Client: Hygieneering, Inc.

Report Date: May 25, 2016

Project: TARKINGTON SCHOOL

Workorder: 1605E41

Client Sample ID: 310 S BATHROOM Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 5.00 5/19/2016 11:00 PM 15.0  $\mu g/L$ 36388

Rpt Ver: 6/10/2016 1:20 PM



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

**Prep Dates** 

Report Date: May 25, 2016

Revision v1

Workorder: 1605E41

Client: Hygieneering, Inc.

**Project:** TARKINGTON SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1605E41-001A	310 S 124A	5/17/2016 8:10 AM		-
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E41-002A	310 S T LOUNGE	5/17/2016 8:15 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E41-003A	310 S HEALTH	5/17/2016 8:20 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E41-004A	310 HF LMC	5/17/2016 8:25 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E41-005A	310 S BATHROOM	5/17/2016 8:30 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM

Page 5 of 7

Rpt Ver: 6/10/2016 1:20 PM



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

## **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605E41

#### **Qualifiers:**

В	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
Н	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

Value exceeds Maximum Contaminant Level

Page 6 of 7

Rpt Ver: 6/10/2016 1:20 PM

this form completely, print, sign & submit with samples. Keep a copy for your records.	bmit with samples. Ke	letely, print, sign & sul		Please fill out	0/08	Nev. 7/20/08	S OIT DACK.		Services of services and containing of pack	
☐ Ice Time	Received By	Ice Time		-	16.10	Nuice Ville	( thiber	12:00	□ Ice	éion
Date	4. Relinquished By	Date	zo gy		2/4/2	\ \	Baccaived But	5/17/16	Schown	Matt Szy
6. Received frozen 6. Received frozen 7. Labei conflicts with COC	7 6 9						2. Relinguished By	Date	Methanol (MeOH) Ifate (NaB), NaThio	H <sub>2</sub> SO <sub>4</sub> , HCl, HNO <sub>3</sub> , Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio 1. Relinquished By
Insufficient sample volume     Headspace/air bubbles for VOCs     Bereited pact bubbles for VOCs		Danderson snygleneering, com		to: Mseymour Shygienearing. com,	cohygier	Seymou	results to m	-E-mail	40z, 80z, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE;	40z, 80z, 40ml Vial, Glass (G), Plastic (P
2. Improper preservation		) /		•	-	Ü	with the second to the second	7	Sludge (U), Wipe (P) CONTAINER: 20z.	Siudge (U), Wipe (P
CONDITION CODES  1. Improper/damaged container/cap	1. lmg				CTIONS	GHTED SE	PLEASE COMPLETE THE HIGHLIGHTED SECTIONS  PLEASE COMPLETE THE HIGHLIGHTED SECTIONS	PLEASE COM	Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA)	Waste Water (WW)
								COMMENTS	MATRIX: Drinking Water (DW) Soil (S)	MATRIX: Drinking
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		X	HNO3	97 + P	G 1802	DW	5-17-16 8110A	5	-5/24A	ソムロ
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22	<u> </u>	200.8	*Please specify in comment section below.	X Other section	Disposal			Seymour	Ma	
Sample contemers  Supplied by customer?  Yes		3 Lead	☐ MWRDGC	NPDES	] 503 Sludge		banderson physicaectics com	son Whyqie	2001.100	Sample Colleger(18)
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AB USE ONLY			None/Info only		Specify Regulatory Program: (Required)	S	COR	pygieneering	MSeymour Bhygiecection.	
CC Reporting 1 7 3			k. Rush work must be trges apply.	Normal TAT is 5-7 work days for most work. Rush wo pre-approved and additional charges apply	ormal TAT is 5-7 wor		Fax Report	TBX	) 654-2550	(630)
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Page 1 of 1 of		ANALY	QUESTED	TURNAROUND TIME REQL	TURNARC			Fre	Hydieneering	Company Name
# Electronic Version	RECORD aniabs.com	CU	CHAIN OF Toll Free: 800.783.LABS	·	Fax: 708.544.8587	IES, Inc.	TOR	SUBURBAN LABORA 1950 S Batavia Ave Ste 150 Geneva, IL 60134	SUBURB 1950 S Batavia Ave	



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

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

TEL: (630) 654-2550

FAX:

**RE: RILEY SCHOOL** 

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.

Work Order: 1605E43

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

Paru Rodyu-

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585

TNI TABORATOR

Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: RILEY SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E43

- 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.
- 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:



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

# **Laboratory Results**

Client: Hygieneering, Inc.				Re	port Date:	May 25	, 2016	
Project: RILEY SCHOOL				W	orkorder:	1605E4	13	
Client Sample ID: 1209 HF103B					Matrix	x: Drin	king Water	
<b>Lab ID:</b> 1605E43-001	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 7:41 AM	
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Lead	ND	15.0	5.00	•	μg/L	1	5/19/2016 11:03 PM	1 36388
Client Sample ID: 1209 S101					Matrix	<b>x:</b> Drin	king Water	
<b>Lab ID:</b> 1605E43-002	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 7:45 AM	
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Lead	ND	15.0	5.00	)	μg/L	1	5/19/2016 11:06 PM	1 36388
Client Sample ID: 1209 S BATHROOM	]				Matrix	x: Drin	king Water	
<b>Lab ID:</b> 1605E43-003	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 7:48 AM	
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Lead	ND	15.0	5.00	1	μg/L	1	5/19/2016 11:09 PM	1 36388
Client Sample ID: 1209 S KITCHEN					Matrix	<b>x:</b> Drin	king Water	
<b>Lab ID:</b> 1605E43-004	Date Received: 5/	18/2016 1	6:10 PM	Col			/2016 7:52 AM	
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	



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

**Prep Dates** 

Report Date: May 25, 2016

Original

Workorder: 1605E43

Client: Hygieneering, Inc.

**Project:** RILEY SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1605E43-001A	1209 HF103B	5/17/2016 7:41 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E43-002A	1209 S101	5/17/2016 7:45 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E43-003A	1209 S BATHROOM	5/17/2016 7:48 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM
1605E43-004A	1209 S KITCHEN	5/17/2016 7:52 AM		
			36388 Turbidity Check	5/19/2016 11:30 AM

Value exceeds Maximum Contaminant Level



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

## **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605E43

#### **Qualifiers:**

\*

В	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
Н	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.	ORATORIES, II				HAIN O	F CUS	TODY	CHAIN OF CUSTODY RECORD	#	Electronic Version
င္ခါ	Company Name	iei. /00.344.3200		TURNAROUND TIME REQUESTED	TME	REQUESTED		WWW.SUDUIDAHIADS.COIII	ANALYSIS & METHOD BEOLIESTED	Page 1 of	<b>├</b>
လ္ခ	Company Address 75+5 Plaza	4	$\underline{}$	Normal 🔲 RU	RUSH* Charges	*Additional Rush Charges Approved.	Enter a	Enter an "X" in box below for request	ow for request	PONO 2016-2685	. 2685
Ç. Ş	Willoubrook In	t <i>2509</i>		*Date & Time Needed:						Shipping Method	
Phone	Phone (630) 654-2550 Fax	Fax Report	t	Normal TAT is 5-7 work days for most work. Aush work must be pre-approved and additional charges apply.	or most work. Ru dditional charges	sh work must be apply.				CC Reporting 1	1  2  3
Ema		M. COM	Spi	Specify Regulatory Program: (Required)	am: Vo	✓ None/Info only				LAB:US	LAB USE ONLY
Pro	poet ID/Location (Riley School)			LUST SRP		SDWA	ıd			St. 10005 E43	September 1
Proj	Project Manager (Reports)	ieneering. Com		503 Sludge 🔲 NF	] NPDES	MWRDGC	3 Lea			Sample containers supplied by customer?	☐Yes
Sam	Sample Collector(s) MAK Sellmoss	J		Disposal X Other		*Please specify in comment section below.	200.			Temperature of Received Samples	22 °c2
	SAMPLE IDENTIFICATION	COLLECTION		GRAB/ CONTAINERS	NERS		thod			Samples received within 24 hours of collection?	ion? Yes
	Use One Line Per Preservation & Container Type	DATE TIME	MATRIX	COMP. ON SIZE		PRESERVATIVE	Me			R Condition	Split LAB#
	129-4Flo3B	5-17-16 7.4/1A	DW	G 1862 +	70	HNO3	×				Þ
N	1269-SiOI	上"KA	D.								ξ,
ω	1209-SBathorn	7.45 A	7								34
4	1209-Skitchen	N Fish A	₹	+		<b>+</b>	*				HA H
ປາ											
6											
~	The substitute of the substitu										
ω		-		-,							
ဖ											
10											-
<u> </u>											
な											
MATI Wast	MATRIX: Drinking Water (DW), Soil (S),  Waste Water (WW), Surface Water(SW),  PLEASE C	COMMENTS & SPECIAL INSTRUCTIONS:	ONS: GHTED SE	CTIONS						CONDITION CODES  1. Improper/damaged container/cap	N CODES container/cap
e Grou		-Drinking Water Regulations	Ü	-			<b>;</b>	-	2	2. Improper preservation	on olimpo
4oz, 8		il results to : Mseymour only gieneering . com,	Seymou	rohygienea	ring. Com		2(30n 2)	hygienee	bonderson shygieneering, com		oles for VOCs
HŽSO	H <sub>2</sub> SO <sub>4</sub> , HOI, HNO <sub>5</sub> , Methanol (MeOH)									6. Received frozen	ų,
NaO	ulfate (NaB), NaThio			_			ī		· · ·	7. Label conflicts with COC	COC
Z : K	Matt Szymavir 5/17/il	2. Helinquished by		5-18-15	3. Relinquished By	ÿ	Date		4, Relinquished By		Date
He ce	Ice Time 12:00	Received B	ol Ice	15,10	Received By		Ice Time		Received By	☐ Ice	Time
Sub	Submission of samples subject to Terms and Conditions on back.	ditions on back.	Rev. 7/20/08		Please fill ou	t this form com	npletely, prir	nt, sign & sub	mit with sample	Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	r your records.



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

June 10, 2016

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

TEL: (630) 654-2550

FAX:

RE: RILEY SCHOOL

#### 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.

Work Order: 1605E43

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

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: RILEY SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E43

- 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.
- 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:



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

### **Laboratory Results**

Client: Hygieneering, Inc.	Report Date: June 10, 2016
Project: RILEY SCHOOL	Workorder: 1605E43

Client Sample ID: 1209 HF103B Matrix: Drinking Water

**Lab ID:** 1605E43-001 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 7:41 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Copper	111	1,300	100		μg/L	1	5/19/2016 11:03 PM	1 36388
Lead	ND	15.0	5.00		μg/L	1	5/19/2016 11:03 PM	1 36388

Client Sample ID: 1209 S101 Matrix: Drinking Water

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	94				Analyst: jmk	
Copper	ND	1,300	100		μg/L	1	5/19/2016 11:06 PM	A 36388
Lead	ND	15.0	5.00		$\mu g/L$	1	5/19/2016 11:06 PM	1 36388

Client Sample ID: 1209 S BATHROOM Matrix: Drinking Water

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Copper	ND	1,300	100		μg/L	1	5/19/2016 11:09 PM	I 36388
Lead	ND	15.0	5.00		$\mu g/L$	1	5/19/2016 11:09 PM	1 36388

Client Sample ID: 1209 S KITCHEN Matrix: Drinking Water

Parameter	Result MCL	Report Limit Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-200 8-5 4, 1	994			Analyst: jmk	
Copper	230 1,300	100	μg/L	1	5/19/2016 11:13 PM	1 36388

Page 3 of 7



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

**Laboratory Results** 

Client: Hygieneering, Inc.

Report Date: June 10, 2016

Project: RILEY SCHOOL

Workorder: 1605E43

Client Sample ID: 1209 S KITCHEN Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 5.00 5/19/2016 11:13 PM 15.0  $\mu g/L$ 36388



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

**Prep Dates** 

Report Date: June 10, 2016

Revision v1

Workorder: 1605E43

Client: Hygieneering, Inc.

**Project:** RILEY SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1605E43-001A	1209 HF103B	5/17/2016 7:41 AM				
			36388 Turbi	dity Check	:	5/19/2016 11:30 AM
1605E43-002A	1209 S101	5/17/2016 7:45 AM				
			36388 Turbi	dity Check	:	5/19/2016 11:30 AM
1605E43-003A	1209 S BATHROOM	5/17/2016 7:48 AM				
			36388 Turbi	dity Check	:	5/19/2016 11:30 AM
1605E43-004A	1209 S KITCHEN	5/17/2016 7:52 AM				
			36388 Turbi	dity Check	:	5/19/2016 11:30 AM

Page 5 of 7

Rpt Ver: 6/10/2016 2:14 PM

Value exceeds Maximum Contaminant Level Analyte detected in the associated Method Blank



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

## **Qualifier Definitions**

Report Date: June 10, 2016

WorkOrder: 1605E43

### **Qualifiers:**

\*

В

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

Page 6 of 7

Rpt Ver: 6/10/2016 2:14 PM

SUBURBAN LAE	SUBURBAN LABORATORIES, Inc.	CHAIN OF	OF CUSTODY RECORD #	# Electronic Version
Company Name ( )	a, (L60134   el. 708.544.3260		3.LABS www.suburbaniabs.com	of 7
Company Manie // Cieope Cina, Inc.		TURNAROUND TIME REQUESTED	ANALYSIS & METHOD REQUESTED	Page of 1
Company Address 7575 Plaza	5	Normal RUSH* Charges Approved.	Enter an "X" in box below for request	2016-2685
City Willowsbrook Xino	<sup>zb</sup> 60527	*Date & Time Needed:		Shipping Method
Phone (630) 654-2550 Fax	☐ Fax Report	Normal TAT is 5-7 work days for most work. Aush work must be pre-approved and additional charges apply.		CC Reporting 1 2 3
Email Address MSAVANIN Cohyaloner (104. Com	100 COM	Specify Regulatory Program:   (Required)  None/Info only		LAB USE ONLY
Project ID/Location (Riley School)	J	□ LUST □ SRP □ SDWA	d	Ch35000118
porto) bander	diecenting. Con	S03 Sludge NPDES MWRDGC	3 Lea	Sample containers Yes
Sample Collector(s) Mat Seymoth	<u> </u>	Disposal X Other section below.		Temperature of 22 °C
SAMPLE IDENTIFICATION	COLLECTION	GRAB/ CONTAINERS	ethod	Samples received within Yes
Use One Line Per Preservation & Container Type	DATE TIME MATRIX	COMP. Q5		R Condition Split LAB #
1/209-HF/03B	5-17-16 7:4/A DW	G 1 802 + P HNO3	×	<b>D</b>
2 1269-S101	Tirea DW			2 <sub>A</sub>
3 1209-SBAthrown	7.45 A			42
4 /209-SKitchen	TISA W	÷	*	Ah Th
On .				
O)				
7				
σ		- /		
9				
10				
12				-
MATRIX: Drinking Water (DW). Soil (S).  Waste Water (WW), Surface Water (SW).  PLEASE	COMMENTS & SPECIAL INSTRUCTIONS: PLEASE COMPLETE THE HIGHLIGHTED SECTIONS	D SECTIONS		CONDITION CODES  1. Improper/damaged container/cap
	Drinking Water Regulations			2. Improper preservation
40z, 80z, 40ml Vial, 500ml, Liter (L), Tube,	mil results to Msey	results to: Mseymour only giveneuring. com, Don	Danderson ungleneally, wire	Insulingent sample volume     Headspace/air bubbles for VOCs
@ 	- 1			5. Received past holding time
NaOH, Sodium Bisulfate (NaB), NaThlo				7. Label conflicts with COC
Matt Schmall 5/17/	2. Relinquished By	S-/8-/5	Date 4. Relinquished By	Date
☐ Ice	Received By	☐ Ice Time Received By	Ice Time	Ice Time
Submission of samples subject to Terms and Conditions on back.	0	Rev. 7/20/08 Please fill out this form	Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	s. Keep a copy for your records.



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

Bob Anderson Hygieneering, Inc. 7575 Plaza Court

Willowbrook, IL 60521

TEL: (630) 654-2550

FAX:

RE: POE SCHOOL

#### 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.

Work Order: 1605E44

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

Paru Rodyu-

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585

TNI TABORATOR

Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: POE SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E44

- 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.
- 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:



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

#### **Laboratory Results**

Report Date: May 25, 2016 Client: Hygieneering, Inc. **Project: POE SCHOOL** Workorder: 1605E44 Client Sample ID: 2800 S T LOUNGE Matrix: Drinking Water **Lab ID:** 1605E44-001 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 7:20 AM Report **Parameter MCL** Units DF Date Analyzed BatchID Result Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 11:16 PM 36389 Client Sample ID: 2800 HF STORAGE A Matrix: Drinking Water **Lab ID:** 1605E44-002 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 7:23 AM Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk ND 5/19/2016 11:20 PM Lead 15.0 5.00 μg/L 36389 Client Sample ID: 2800 S BATHROOM B Matrix: Drinking Water **Lab ID:** 1605E44-003 **Collection Date:** 5/17/2016 7:25 AM **Date Received:** 5/18/2016 16:10 PM Report **Parameter** MCL Units Result Qual Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 11:23 PM 36389 Client Sample ID: 2800 S KITCHEN Matrix: Drinking Water **Lab ID:** 1605E44-004 **Date Received:** 5/18/2016 16:10 PM **Collection Date: 5/17/2016 7:28 AM** Report **Parameter** MCL Units Date Analyzed BatchID Result Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk

ND

15.0

5.00

Rpt Ver: 5/25/2016 12:44 AM

Lead

μg/L

5/19/2016 11:39 PM

36389



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

**Prep Dates** 

**Report Date:** May 25, 2016 Original

Workorder: 1605E44

Client: Hygieneering, Inc.

Project: POE SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1605E44-001A	2800 S T LOUNGE	5/17/2016 7:20 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM
1605E44-002A	2800 HF STORAGE A	5/17/2016 7:23 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM
1605E44-003A	2800 S BATHROOM B	5/17/2016 7:25 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM
1605E44-004A	2800 S KITCHEN	5/17/2016 7:28 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM

Value exceeds Maximum Contaminant Level



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

## **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605E44

#### **Qualifiers:**

\*

В	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
Н	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.	DRATORIES, II	ic.	CHAIN OF	CUSTODY	RECORD #	
-1	L 60134 Tel. 708.544.3260	14.3260 Fax: 708.544.8587	Toll Fi	www.suburba		Electronic Version
Company rame //Citeneesing Inc.	aktimati	TURNAROUNE	TURNAROUND TIME REQUESTED	ANALYSIS & METHOD REQUESTED	JESTED Page 1 of	<u> </u>
pany Address	3	X Normal ☐ R	*Additional Rush Charges Approved.	Enter an "X" in box below for request	request PO No. 2016 - 2685	2885
Willowbrook Asiano	F8509	*Date & Time Needed:			Shipping Method	
(630) 654-2550 Fax	☐ Fax Report	t Normal T	AT is 5-7 work days for most work. Hush work must be pre-approved and additional charges apply.		QC Reporting 1	1
MSeymour Bhygieneerigh com	a. Com	Specify Regulatory Program: (Required)	ram: Vone/Info only		LAB USE ONLY	_
Project 10 / Location 10 School		1	] SRP 🔲 SDWA	d	SLI Order No.	E of
on to)	eneeting-Com	☐ 503 Sludge ☐ N	NPDES MWRDGC	3 Lea	Sample containers supplied by customer?	□Yes
Sample Collector(s) MAE Seymour	3	☐ Disposal 🔀 c	Other section below.	200.8	Temperature of Received Samples	22
SAMPLE IDENTIFICATION	COLLECTION	GRAB/ CONTAINERS	JNERS	thod	Samples received within 24 hours of collection?	nin ∏Yes
Use One Line Per Preservation & Container Type	DATE TIME	MATRIX COMP. Qty SIZE	SIZE & TYPE PRESERVATIVE	Ме	R Condition	Split LAB#
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Waste Water (WW), Solid Waste (WA),  Ground Water (SW), Solid Waste (WA),  Ground Water (SW), Solid Waste (WA),	COMMENTS & SPECIAL INSTRUCTIONS: PLEASE COMPLETE THE HIGHLIGHTED SECTIONS - Decking Information (	NS: 3HTED SECTIONS			CONDITION CODES 1. Improper/damaged container/cap	<u>CODES</u> ntainer/cap
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4oz, 8oz., 40mi Vial, 500mi, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE;		results to Miseymour only greated ing. com,			4, r <u>)</u>	s for VOCs time
H <sub>2</sub> SO <sub>4</sub> , HOI, HNO <sub>5</sub> , Methanoi (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio					Received frozen     Label conflicts with COC	ŏ
Matt Seyman 5/17/16	2. Relinquished By	5-18-16	3. Relinquished By	Date 4. Relinq	4. Relinquished By Date	ate
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Submission of samples subject to Terms and Conditions on back.	ions on back.	Rev. 7/20/08	Please fill out this form cor	Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	th samples. Keep a copy for t	our records.



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

June 10, 2016

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

TEL: (630) 654-2550

FAX:

RE: POE SCHOOL

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.

Work Order: 1605E44

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

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: POE SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E44

- 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.
- 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:



Rpt Ver: 6/10/2016 2:12 PM

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

#### **Laboratory Results**

Client: Hygieneering, Inc.

Report Date: June 10, 2016

Project: POE SCHOOL

Workorder: 1605E44

Client Sample ID: 2800 S T LOUNGE Matrix: Drinking Water

Report **Parameter** MCL Units DF Date Analyzed BatchID Result Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Copper 286 1,300 100 μg/L 5/19/2016 11:16 PM 36389 5/19/2016 11:16 PM Lead ND 15.0 5.00 μg/L 36389

Client Sample ID: 2800 HF STORAGE A Matrix: Drinking Water

Report **Parameter** Result **MCL** Oual Units DF Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Copper 564 1,300 100 μg/L 5/19/2016 11:20 PM 36389 μg/L 5/19/2016 11:20 PM Lead ND 15.0 5.00 36389

Client Sample ID: 2800 S BATHROOM B Matrix: Drinking Water

Report **Parameter** MCL DF Date Analyzed BatchID Result Qual Units Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Copper 123 1,300 100 μg/L 5/19/2016 11:23 PM 36389 5/19/2016 11:23 PM Lead ND 15.0 5.00 μg/L 36389

Client Sample ID: 2800 S KITCHEN Matrix: Drinking Water

**Lab ID:** 1605E44-004 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 7:28 AM

Report **Parameter** Result **MCL** Units Date Analyzed BatchID Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk 152 1,300 100 μg/L 5/19/2016 11:39 PM 36389 Copper

Page 3 of 7



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

**Laboratory Results** 

Client: Hygieneering, Inc.

Report Date: June 10, 2016

Project: POE SCHOOL

Workorder: 1605E44

Client Sample ID: 2800 S KITCHEN Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 5.00 5/19/2016 11:39 PM 15.0  $\mu g/L$ 36389



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

**Prep Dates** 

Report Date: June 10, 2016

Revision v1

Workorder: 1605E44

Client: Hygieneering, Inc.

Project: POE SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1605E44-001A	2800 S T LOUNGE	5/17/2016 7:20 AM				
			36389 Turbi	dity Check	:	5/19/2016 11:30 AM
1605E44-002A	2800 HF STORAGE A	5/17/2016 7:23 AM				
			36389 Turbi	dity Check	:	5/19/2016 11:30 AM
1605E44-003A	2800 S BATHROOM B	5/17/2016 7:25 AM				
			36389 Turbi	dity Check		5/19/2016 11:30 AM
1605E44-004A	2800 S KITCHEN	5/17/2016 7:28 AM				
			36389 Turbi	dity Check		5/19/2016 11:30 AM

Page 5 of 7

Rpt Ver: 6/10/2016 2:12 PM

Value exceeds Maximum Contaminant Level Analyte detected in the associated Method Blank



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

## **Qualifier Definitions**

Report Date: June 10, 2016

WorkOrder: 1605E44

### **Qualifiers:**

\*

В

	•
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
Н	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

Page 6 of 7

Rpt Ver: 6/10/2016 2:12 PM

Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	& submit with samples. K	tely, print, sign	his form comple	Please fill out t		Rev. 7/20/08	Reg	ns on back.	erms and Conditio	Submission of samples subject to Terms and Conditions on back.	Submission
☐ Ice Time	Received By	Ice Time		Received By	6.70	X Ice Time		Hecepholy De Y	12:80	☐ Ice	Heceived by
Date	4. Relinquished By	Date		3, Relinquished By	5-18-16	Jate Date		2. Helinquished By	5/17/16	Seymour	
6. Received frozen 7. Label conflicts with COC	6. A. 7. Le									+2SO4, HCI. HNO3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio	H <sub>2</sub> SO <sub>a</sub> , HCl. H NaOH, Sodium
<ol> <li>Boundern sample volume</li> <li>Headspace/air bubbles for VOCs</li> <li>Received past holding time</li> </ol>	Donderson ongletening. with S.A.	son only ie		ing. Com,	ygienecz	our Sh	nseym	results to: Mseymour Dhygieneering. com,	-E-mail	40z, 80z, 40mi Vial, 500mi, Litor (L), Tube, Glass (G), Plastic (P) PRESERVATIVE;	40z, 80z, 40ml Glass (G), Pla
2. Improper preservation		2		•			1007	vater Regulat	- Drinking V	Sludge (U), Wipe (P) CONTAINER: 20z.	Sludge (U), W
CONDITION CODES  1. Improper/damaged container/cap	1. In				હ	SECTION	LIGHTED	PLEASE COMPLETE THE HIGHLIGHTED SECTIONS  TO SEE A SPECIAL INSTRUCTIONS:	PLEASE CON	Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA)	Waste Water
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32								#:25 A	B Man	800-SBathimm	3 2)
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R Condition Split LAB #		Me	PRESERVATIVE		Oty: SIZE (	X COMP.	MATRIX	DATE TIME	tai⊓er Type	Use One Line Per Preservation & Container Type	Use
Samples received within Yes 24 hours of collection?		thod		NERS	CONTAINERS	GRAB/		COLLECTION	NOI	SAMPLE IDENTIFICATION	
Temperature of 22 c C		200.8	*Please specify in comment section below.	1	al 🛛 Other	☐ Disposal			Seymour "	No	Sample Collector(s)
Sample containers Yes		3 Lea	MWRDGC		udge 🔲 NPDES	503 Sludge		Danderson whygieneering com	son Whyqie	port to)	Project Man
1605E44	SI	d	SDWA	<i></i>	SRP	LSn1			3	Service Services	noject / Cocation
LAB USE ONLY	· · · · · · · · · · · · · · · · · · ·		✓ None/Info only		Specify Regulatory Program: (Required)	Specify Re		COR	gygieneesing		Email Address
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hipping Method	- S				e Needed:	*Date & Time Needed:		+2509 "z	Asage	Millowbrook	City
PONO. 2016-2685		Enter an "X" in I	al Rush pproved.	RUSH* Charges Approved.	П	X Normal		13.	Plaza	1575 1575	Company Address
Page 1 of 1 2	ANALYSIS & METHOD REQUESTED P		STED	TURNAROUND TIME REQUESTED	NAROUND	JUT			75%	the the ieneering	Company Name
Electronic Version			ee: 800.783.LABS	Toll Fi	Fax: 708.544.8587	Fax:	Tel. 708.544.3260		1950 S Batavia Ave Ste 150 Geneva, IL 60134	7.	
#	CUSTODY RECORD		CHAIN OF	ဂ			Inc.	SUBURBAN LABORATORIES, Inc.	AN LABO	SUBURB	



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

June 10, 2016

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

TEL: (630) 654-2550

FAX:

**RE:** Longfellow School

#### 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.

Work Order: 1605E45

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

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: Longfellow School

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E45

- 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.
- 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:



Rpt Ver: 6/10/2016 2:10 PM

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

## **Laboratory Results**

Client: Hygieneering, Inc.

Project: Longfellow School

Report Date: June 10, 2016

Workorder: 1605E45

Client Sample ID: 715 HF HEALTH B Matrix: Drinking Water

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Copper	ND	1,300	100		μg/L	1	5/19/2016 11:43 PM	1 36389
Lead	ND	15.0	5.00		μg/L	1	5/19/2016 11:43 PM	1 36389

Client Sample ID: 715 S BATHROOM A Matrix: Drinking Water

Parameter	Result N	Report ICL Limit	Qual Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-200	8-5 4, 1994			Analyst: jmk	
Copper	ND 1,	,300 100	μg/L	1	5/19/2016 11:49 PM	1 36389
Lead	ND 1:	5.00	μg/L	1	5/19/2016 11:49 PM	1 36389

Client Sample ID: 715 S 105 Matrix: Drinking Water

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	94				Analyst: jmk	
Copper	ND	1,300	100		μg/L	1	5/19/2016 11:53 PM	I 36389
Lead	18.1	15.0	5.00	*	$\mu g/L$	1	5/19/2016 11:53 PM	I 36389

Client Sample ID: 715 S 106 Matrix: Drinking Water

Parameter	Result MCL	Report Limit Qua	l Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-200 8-5 4, 19	94			Analyst: jmk	
Copper	ND 1,300	100	$\mu g/L$	1	5/19/2016 11:56 PM	I 36389

Page 3 of 7



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

**Laboratory Results** 

Client: Hygieneering, Inc.

Project: Longfellow School

Report Date: June 10, 2016

Workorder: 1605E45

Client Sample ID: 715 S 106 Matrix: Drinking Water

Report **Parameter** Result **MCL** Qual Units DF Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/19/2016 11:56 PM 36389

Client Sample ID: 715 S KITCHEN B Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk 159 1,300 100  $\mu g/L$ 5/19/2016 11:59 PM Copper 36389 Lead ND 15.0 5.00  $\mu g/L$ 5/19/2016 11:59 PM 36389



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

**Prep Dates** 

Report Date: June 10, 2016

Revision v1

Workorder: 1605E45

Client: Hygieneering, Inc. Rep

**Project:** Longfellow School

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1605E45-001A	715 HF HEALTH B	5/17/2016 6:55 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM
1605E45-002A	715 S BATHROOM A	5/17/2016 6:58 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM
1605E45-003A	715 S 105	5/17/2016 7:03 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM
1605E45-004A	715 S 106	5/17/2016 7:08 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM
1605E45-005A	715 S KITCHEN B	5/17/2016 7:10 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM

Page 5 of 7

Rpt Ver: 6/10/2016 2:10 PM

Value exceeds Maximum Contaminant Level Analyte detected in the associated Method Blank



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

# **Qualifier Definitions**

**Report Date:** June 10, 2016

WorkOrder: 1605E45

## **Qualifiers:**

\*

В

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

Page 6 of 7

Rpt Ver: 6/10/2016 2:10 PM

Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	& submit with samples. K	ıpletely, print, sign	out this form con	Please fill	8	Rev. 7/20/08	is on back.	ms and Condition	Submission of samples subject to Terms and Conditions on back.	Submission of
Ice Time	Received By	Ice Time		Received By	16.70	Ice Ice	Received by Mindau	Time 12:00	☐ Ice	Heceived By
Date	4. Relinquished By	Date	ed By		Date 5-18-16	Andrew Control	2. Relinquished By	Oate	mesur,	Matt S
Received frozen  Label conflicts with COC	6. R <sub>4</sub> 7. La								H <sub>2</sub> SO <sub>4</sub> , HCl, HNO <sub>5</sub> , Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio	H <sub>2</sub> SO <sub>4</sub> , HCl, HNC NaOH, Sodium B
Received past holding time	Çn .			(		_			ក្រុ	Glass (G), Plastic
<ol> <li>Insufficient sample volume</li> <li>Headspace/air bubbles for VOCs</li> </ol>	banderson shygieneering com land	erson ahygie		zering-ce	ahijqiene	zehwonc,	results to : Mseymour only give earing . com,		Studge (U), Wipe (P) <u>CONTAINER:</u> 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube,	Studge (U), Wipe 4oz, 8oz, 40ml VI
2. Improper preservation		~			Č	יכ הייני בה סבס	-Drinking Water Regulations	-Drinking h		Ground Water (G
CONDITION CODES  1. Improper/damaged container/cap	1 im					MIED SECT	COMMENTS & SPECIAL INSTRUCTIONS: PI FASE COMPIETE THE HIGHI IGHT	PLEASE COM	MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW),	MATRIX: Drinkir Waste Water (W
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Condition   Split   LAB #	æ	Me	PRESERVATIVE		ON V	MATRIX CC	DATE TIME		Use One Line Per Preservation & Container Type	Use Or
Samples received within Yes 24 hours of collection? Yes	ν δ <sub>1</sub>	thod		CONTAINERS	GRAB/ CONT	<u>ត</u>	COLLECTION	ž	SAMPLE IDENTIFICATION	<b>'</b>
Temperature of $22^{\circ}$ C	2	200.	*Please specify in comment section below.	X Other section	Disposal X		(		Nat	Sample Collector(s)
Sample containers Yes	<i>y</i>	8 Lea	☐ MWRDGC	NPDES	] 503 Sludge 🔲	50	anderson phygieneering. Com	on Thygies	port to)	Project Manager (Heport to)
	SI	ıd	SDWA	] SRP		Lmstr		S	Locatelly,	Project ID / Loc
LAB USE ONLY			✓ None/Info only	_	Specify Regulatory Program: (Required)	Speci	COR.	dieuseriul.	Email Address MSeyMay Ohjgiececing.	Emall Address
CC Reporting 1 2 3	ام		AT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.	ays for most work.  Id additional chart	Normal TAT is 5-7 work days for most work. R pre-approved and additional charges		Fax Report	Fax	0) 654-2550	Phone (630)
Ilpping Method	- Sh				Date & Time Needed:		FR509 012	H <sub>i</sub>	Millowbrook	City Willo
PONO. 2016-2685		Enter an "X" in t	*Additional Rush Charges Approved.	RUSH* Char	X Normal □	× ×	<del>-</del>	Plaza C		Company Address
Page 1 of 170	ANALYSIS & METHOD REQUESTED P	ANALYSIS & ME	CATED	ND TIME REC	TURNAROUND TIME REQUESTED			The second	H/Gieneecing -	Company Name
# Electronic Version	www.suburbanlabs.com		CHAIN OF 1 Free: 800.783.LABS	587 Toll Fi	Fax: 708.544.8587	260	1950 S Batavia Ave Ste 150 Geneva, IL 60134 Tel. 708.544.3260	N LABO	SOBURBAN LABURA  1950 S Batavia Ave Ste 150 Geneva, IL 60134	
•			) ! ! ! ! !				ノッサンフェーン	J		



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

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

TEL: (630) 654-2550

FAX:

RE: COOPER SCHOOL

#### 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.

Work Order: 1605E47

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

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585

TNI FBORATOR

Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: COOPER SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E47

- 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.
- 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:



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

### **Laboratory Results**

Report Date: May 25, 2016 Client: Hygieneering, Inc. Project: COOPER SCHOOL Workorder: 1605E47 Client Sample ID: 1050 S KITCHEN B Matrix: Drinking Water **Lab ID:** 1605E47-001 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 6:35 AM Report **Parameter MCL** Units DF Date Analyzed BatchID Result Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/20/2016 12:03 AM 36389 Client Sample ID: 1050 S T LOUNGE Matrix: Drinking Water **Lab ID:** 1605E47-002 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 6:38 AM Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk ND 5/20/2016 12:19 AM Lead 15.0 5.00 μg/L 36389 Client Sample ID: 1050 HF 122B Matrix: Drinking Water **Lab ID:** 1605E47-003 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 6:42 AM Report **Parameter MCL** Units Result Qual Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/20/2016 12:23 AM 36389 Client Sample ID: 1050 S BATHROOM Matrix: Drinking Water Lab ID: 1605E47-004 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 6:45 AM Report **Parameter** MCL Units Result Qual Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk 5/20/2016 12:26 AM Lead ND 15.0 5.00 μg/L 36389



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

**Prep Dates** 

**Report Date:** May 25, 2016 Original

Workorder: 1605E47

Client: Hygieneering, Inc.

Project: COOPER SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date Prep Date
1605E47-001A	1050 S KITCHEN B	5/17/2016 6:35 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM
1605E47-002A	1050 S T LOUNGE	5/17/2016 6:38 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM
1605E47-003A	1050 HF 122B	5/17/2016 6:42 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM
1605E47-004A	1050 S BATHROOM	5/17/2016 6:45 AM		
			36389 Turbidity Check	5/19/2016 11:30 AM



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

# **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605E47

## **Qualifiers:**

В	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

Value exceeds Maximum Contaminant Level

Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	bmit with samples.	etelv. print, sign & sul	out this form comple	Please fil	Rev. 7/20/08	Rev.	ns on back.	erms and Conditio	Submission of samples subject to Terms and Conditions on back.	Submissic
☐ Ice Time	Received By	Ice Time		Received By	Ice Time		Received No. 20	e 71me /2:20	☐ Ice	Received By
Date	4. Relinquished By	Date	ed By	3. Relinquished By	Date 5-18-		2. Relinquished By	5/17/16	Schmill	1. Relinquished By Matt S
5. Received past holding time 6. Received frozen 7. Label conflicts with COC	5. F 6. F		:						Glass (G), Plastic (P) PRESERVATIVE; H <sub>2</sub> SO <sub>4</sub> , HCl, HNO <sub>3</sub> , Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio	Glass (G), PI H <sub>2</sub> SO <sub>4</sub> , HCl, I NaOH, Sodiu
<ol> <li>Insufficient sample volume</li> <li>Headspace/air bubbles for VOCs</li> </ol>	ω 4.	banderson shygienedig. com		neering. C	urohygie	nseymo	results to: Mseymour physicaecring. com,	-F-30-	Studge (U), Wipe (P) <u>CONTAINER:</u> 2oz. 4oz. 8oz. 40ml Vlat, 500ml, Liter (L), Tube,	Sludge (U), V 40z, 80z, 40n
Improper/damaged container/cap     Improper preservation		-	<b>~</b>		ECTIONS	LIGHTED S	PLEASE COMPLETE THE HIGHLIGHTED SECTIONS	-Drinking Water	Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA).	Waste Water Ground Wate
CONDITION CODES						TIONS:	COMMENTS & SPECIAL INSTRUCTIONS:	COMMENTS &	MATRIX: Drinking Water (DW), Soit (S),	MATRIX: Dr
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2A	- / -					DW	6:38 A		o-STLANGE	2 1050
<b>       </b>		X	HNO3	807 + P	G 1 8	DW	5-17-16 6:35A		6-Shitchen	1 1058
R   Condition   Split   LAB #		Me	PRESERVATIVE	SIZE & TYPE	ş	MATRIX	DATE TIME	itainer Type	Use One Line Per Preservation & Container Type	Use
Samples received within Yes 24 hours of collection?		thod		CONTAINERS	GRAB/ CC		COLLECTION	NO.	SAMPLE IDENTIFICATION	
Temperature of Received Samples 22 °C		200.	*Please specify in comment section below.	X Other section	Disposal		ن	mour 'S	Na	Sample Collector(s)
Sample containers Yes supplied by customer?		8 Lea	MWRDGC	NPDES	] 503 Sludge		anderson physicaectics com	son Whiaie	port to)	Project Man
Lh350mls		ad	SDWA	SRP	LISU			2chod	ocation Cooper S	Project ID /
LAB USE ONLY			None/Info only		Specify Regulatory Program: (Required)	(0)	SE S	Walence City.	N.	Email Address
OC Reporting 1 2 3			, Rush work must be ges apply.	Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.	ormal TAT is 5-7 woi		Fax F	Fax	630) 654-2550	Phone 6
Shipping Method	S			ğ.	*Date & Time Needed:		<sup>z10</sup> 60527	A State	Willowbrook	City
2016-2685		Enter an "X" in box below for request	*Additional Rush Charges Approved.	RUSH* Cha	Normal Normal		7	Plaza C		Company Address
Page 1 of 1		ANALYSIS & METHOD REQUESTED	QUESTED	TURNAROUND TIME REQUESTED	TURNARC			Inc.	- Hygiereering	Company Name
# Electronic Version		ree: 800.783.LABS www.suburbanlabs.com	Toll Free: 800.783.LABS		Fax: 708.544.8587	Tel. 708.544.3260	Ç	1950 S Batavia Ave Ste 150 Geneva, IL 60134	1950 S Batavia Ave	
#		シニラインフく				7,	ファーフコーク	> D O		



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

June 10, 2016

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

TEL: (630) 654-2550

FAX:

RE: COOPER SCHOOL

#### 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.

Work Order: 1605E47

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

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: COOPER SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E47

- 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.
- 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:



Rpt Ver: 6/10/2016 2:08 PM

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

## **Laboratory Results**

Client: Hygieneering, Inc.

Project: COOPER SCHOOL

Workorder: 1605E47

Client Sample ID: 1050 S KITCHEN B Matrix: Drinking Water

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	994				Analyst: jmk	
Copper	110	1,300	100		$\mu g/L$	1	5/20/2016 12:03 AM	1 36389
Lead	ND	15.0	5.00		$\mu g/L$	1	5/20/2016 12:03 AN	1 36389

Client Sample ID: 1050 S T LOUNGE Matrix: Drinking Water

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	94				Analyst: jmk	
Copper	184	1,300	100		$\mu g/L$	1	5/20/2016 12:19 AM	I 36389
Lead	ND	15.0	5.00		$\mu g/L$	1	5/20/2016 12:19 AM	I 36389

Client Sample ID: 1050 HF 122B Matrix: Drinking Water

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	94				Analyst: jmk	
Copper	576	1,300	100		μg/L	1	5/20/2016 12:23 AM	1 36389
Lead	ND	15.0	5.00		$\mu g/L$	1	5/20/2016 12:23 AN	1 36389

Client Sample ID: 1050 S BATHROOM Matrix: Drinking Water

Parameter	Result MCL	Report Limit Qua	l Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-200 8-5 4,	1994			Analyst: jmk	
Copper	102 1,300	100	μg/L	1	5/20/2016 12:26 AM	1 36389

Page 3 of 7



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

**Laboratory Results** 

Client: Hygieneering, Inc.

Report Date: June 10, 2016

Project: COOPER SCHOOL

Workorder: 1605E47

Client Sample ID: 1050 S BATHROOM Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 5.00 5/20/2016 12:26 AM 15.0  $\mu g/L$ 36389



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

**Prep Dates** 

Report Date: June 10, 2016

Revision v1

Workorder: 1605E47

Client: Hygieneering, Inc.

Project: COOPER SCHOOL

Sample ID Client Sample ID Collection Date Prep Batch Prep Date Prep Test Name Leachate Date 1605E47-001A 1050 S KITCHEN B 5/17/2016 6:35 AM 36389 Turbidity Check 5/19/2016 11:30 AM 1605E47-002A 1050 S T LOUNGE 5/17/2016 6:38 AM 36389 Turbidity Check 5/19/2016 11:30 AM 1605E47-003A 1050 HF 122B 5/17/2016 6:42 AM 36389 Turbidity Check 5/19/2016 11:30 AM 1605E47-004A 1050 S BATHROOM 5/17/2016 6:45 AM 5/19/2016 11:30 AM 36389 Turbidity Check

Page 5 of 7

Rpt Ver: 6/10/2016 2:08 PM

Value exceeds Maximum Contaminant Level

Analyte detected in the associated Method Blank



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

# **Qualifier Definitions**

Report Date: June 10, 2016

WorkOrder: 1605E47

## **Qualifiers:**

\*

В

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

Page 6 of 7

Rpt Ver: 6/10/2016 2:08 PM

SUBURBAN LABORATORIES, Inc.	TOR			Si	#	Electronic Version
Company Name / /	i. IL 60134   Fel. 708,544,3260	7	7 Toll Free: 800.783.LABS	ABS www.suburbanlabs.com	-	of 7
Hygieneesing, Inc.		TURNAROUND	TURNAROUND TIME REQUESTED	ANALYSIS & METHOD REQUESTED		ge 7
Company Address 7575 Plaza	2	X Normal ☐ R	RUSH* Charges Approved.	Enter an "X" in box below for request	PONO. 2016-	588 888 888
City Willowsbrook State	FR509 "2	*Date & T			Shipping Method	•
Phone (630) 654-2550 Fax	Fax Report	t Normal T.	AT is 5-7 work days for most work. Aush work must be pre-approved and additional charges apply.		CC Reporting 1	□2 □3
Email Address MSOVMOUS ONY OFFICE STORY.	200 m	Specify Regulatory Program: (Required)	ram: 🗸 None/Info only		LAB USE ONLY	ONLY
oper S			SRP SDWA	d	SLI Order No.	五
ponto) bander	iereering. Com	☐ 503 Sludge ☐ N	NPDES MWRDGC	3 Lea	Sample containers supplied by customer?	, ∐ Yes
Sample Colloctor(s) Mat Seymour		☐ Disposal ※ Other	*Please specify in comment section below.	200.9	Temperature of 2	22 °c
SAMPLE IDENTIFICATION	COLLECTION	GRAB/ CONTAINERS	INERS	thod	Samples received within 24 hours of collection?	" 🗌 Yes
Use One Line Per Preservation & Container Type	DATE TIME N	MATRIX COMP. Qty SIZE	SIZE & TYPE PRESERVATIVE	Me	R Condition Split	olit LAB#
1 1058 - Shitchen 5	5-17-16 6:35 A	DW G 1802	+ P HNO3	×		P
2 loso-STLames	6:38 A [	DW				2A
3 1050 - HF 122 B	V Ch:9					34
4 1050 - SBathcosm	6.78 A	+	•	4		£
(n						
on l						
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Q						
10						
11						
		-				
MATRIX: Drinking Water (DW), Soil (S), COMMENT: Waste Water (WW), Surface Water (SW), PLEASE C	COMMENTS & SPECIAL INSTRUCTIONS: PLEASE COMPLETE THE HIGHLIGHTED SECTIONS	S: TED SECTIONS			CONDITION CODES  1. Improper/damaged container/cap	ODES tainer/cap
	Drinking Water Regulations	٠	•			
Sludge (U), Wipe (P) <u>CONTAINER</u> ; 2oz.	nil results to ms	results to: Mseymour physieneering. com,		banderson. Shygieneering. Com	3. Insufficient sample volume 4. Headspace/air bubbles for VOCs	ime tor VOCs
Glass (G), Plastic (P) PRESERVATIVE:	1	•			5. Received past holding time	ime
H <sub>2</sub> SO <sub>4</sub> , HCl, HNO <sub>3</sub> , Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThlo					6. Received frozen 7. Label conflicts with COC	()
Matt Source 5/17/16	2. Relinquished By	Date 5-12-16	3. Relinquished By	Date 4. Rolin	4, Relinquished By Date	Ф
Received By I Ice 1/2: 00	Received by	Ice Time	Received By	Ice Time Received By	ed By Ice Time	Ó
Submission of samples subject to Terms and Conditions on back.	ditions on back.	Rev. 7/20/08	Please fill out this form con	npletely, print, sign & submit v	Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	our records.



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

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

TEL: (630) 654-2550

FAX:

RE: KILMER SCHOOL

#### 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.

Work Order: 1605E49

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

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585

TNI FBORATOR

Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: KILMER SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E49

- 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.
- 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:



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

# **Laboratory Results**

Client: Hygieneering, Inc.				Re	port Date:	May 25	, 2016	
Project: KILMER SCHOOL				W	orkorder:	1605E4	19	
Client Sample ID: 655 HF113B					Matrix	: Drin	king Water	
<b>Lab ID:</b> 1605E49-001	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 6:15 AM	
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Lead	ND	15.0	5.00	)	μg/L	1	5/23/2016 1:58 PM	A 36389
Client Sample ID: 655 STLOUNGE					Matrix	x: Drin	king Water	
<b>Lab ID:</b> 1605E49-002	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 6:20 AM	
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Lead	ND	15.0	5.00	)	μg/L	1	5/23/2016 2:16 PM	A 36389
Client Sample ID: 655 S BATHROOM					Matrix	: Drin	king Water	
<b>Lab ID:</b> 1605E49-003	Date Received: 5/	18/2016 1	6:10 PM	Col	lection Date	e: 5/17/	/2016 6:22 AM	
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Lead	ND	15.0	5.00	)	μg/L	1	5/23/2016 2:19 PM	И 36390
Client Sample ID: 655 S KITCHEN			Matrix: Drinking Water					
<b>Lab ID:</b> 1605E49-004	Date Received: 5/	18/2016 1	•					
Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 1	994				Analyst: jmk	
Lead	ND	15.0	5.00	)	μg/L	1	5/23/2016 2:22 PM	A 36390



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

**Prep Dates** 

Report Date: May 25, 2016

Original

Workorder: 1605E49

Client: Hygieneering, Inc.

**Project:** KILMER SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1605E49-001A	655 HF113B	5/17/2016 6:15 AM				
			36389 Turbi	dity Check	4	5/19/2016 11:30 AM
1605E49-002A	655 STLOUNGE	5/17/2016 6:20 AM				
			36389 Turbi	dity Check	4	5/19/2016 11:30 AM
1605E49-003A	655 S BATHROOM	5/17/2016 6:22 AM				
			36390 Turbi	dity Check	4	5/19/2016 11:31 AM
1605E49-004A	655 S KITCHEN	5/17/2016 6:25 AM				
			36390 Turbi	dity Check	5	5/19/2016 11:31 AM



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

# **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605E49

## **Qualifiers:**

В	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

Value exceeds Maximum Contaminant Level

SUBURBAN LA	TOR		CHAIN OF	CUS	# Electronic Version	Version
Company Name	va, it bollow ist. / vo.Jee. ozoo	TURNAROUND TIME REQUESTED	WE REQUESTED	ANALYSIS & METHOD REQUESTED	Page 1 of 1	
Company Address 77 7575 PAZ	, C	X Normal ☐ RUSH*	*Additional Rush Charges Approved.	Enter an "X" in box below for request	PONO. 2016-2	2685
City Willocobrook The	<i>たとこの</i>	*Date & Time Needed:			Shipping Method	-
Phone (630) (54-2550 Fax	☐ Fax Report	Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.	most work. Rush work must be thonal charges apply.		CC Reporting 1 [	_ 2 _ 3
Email Address MSAYMAIN Ohygip neerigu.	im. con	Specify Regulatory Program: (Required)	· Vone/Info only		LAB USE ONLY	
Project ID / Location / Simps Sylvan		☐ LUST ☐ SRP	☐ SDWA	d	6h3 592018	<b>ک</b> ر of 6
Project Manager (Report to)	Danderson This is nearly com	☐ 503 Sludge ☐ NPDES	ES MWRDGC	3 Lea	Sample containers supplied by customer?	∃Yes
Sample Collector(s) MAK SAMOUN	ر	☐ Disposal 🔀 Other	*Please specify in comment er section below.	200.8	Temperature of Pecelved Samples 2	2 °c Pag
SAMPLE IDENTIFICATION	COLLECTION	GRAB/ CONTAINERS	ERS	thod	Samples received within 24 hours of collection?	Yes
Use One Line Per Preservation & Container Type	m	ş	TYPE PRESERVATIVE	Me	R Condition Spite	LAB#
1 655 - HF/13B	5-17-16 6:15A	DW G 1 802 +	P HNO3	X		A
2 655 - STLOUNGE		DW				2 P
3 655 - SBathroom	6:22 A					₩ <b>7</b>
4 655- SKitcher	6:25 A	<del>\</del>	<del>(</del>	*		72
Ch						
0						
7						
σ						
8		-				
10						
11						
72						
MATRIX: Drinking Water (DW), Soil (S).  Waste Water (WW), Surface Water(SW),  PLEASI Ground Water (SW) Soild Waste (WA)	COMMENTS & SPECIAL INSTRUCTIONS: PLEASE COMPLETE THE HIGHLIGHTED SECTIONS PLEASE \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<i>IS:</i> HTED SECTIONS <			CONDITION CODES  1. Improper/damaged container/cap  2. Improper preservation	<u>DDES</u> alner/cap
Siudge (U), Wipe (P) <u>CONTAINER</u> ; 20z.  40z, 80z, 40mi Viai, 500ml, Liter (L), Tube,	F-mail results to: MS	results to: Mseymour physicaecing. com	`	banderson shygieneering, com	Insufficient sample volume     Headspace/air bubbles for VOCs	me for VOCs
10			1		5. Received past holding time 6. Received frozen	me
NaCH, Sodium Bisulfate (NaB), NaThio  Date  Date	2. Relinguished By	J	3. Relinguished By	Date 4. Relinquished By	/: Laber collinets with COC	
Moder	116	5-14-16	printed extreminders conversational was the "versacined evaluacy continues valuables benefit results."		de communication de la com	
	2 Total	N Ice 1/6:10	Received By	☐ ICe Time Received By	☐ Ice	Ф
Submission of samples subject to Terms and Conditions on back.	conditions on back.	Rev. 7/20/08	lease fill out this form com	Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	es. Keep a copy for yo	our records.



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

June 10, 2016

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

TEL: (630) 654-2550

FAX:

RE: KILMER SCHOOL

#### 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.

Work Order: 1605E49

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

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: KILMER SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605E49

- 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.
- 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:



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

### **Laboratory Results**

Client: Hygieneering, Inc.

Report Date: June 10, 2016

Project: KILMER SCHOOL

Workorder: 1605E49

Client Sample ID: 655 HF113B Matrix: Drinking Water

Report **Parameter** MCL Units DF Date Analyzed BatchID Result Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Copper 244 1,300 100 μg/L 5/20/2016 1:13 AM 36389 5/23/2016 1:58 PM Lead ND 15.0 5.00 μg/L 36389

Client Sample ID: 655 STLOUNGE Matrix: Drinking Water

Report **Parameter** Result **MCL** Oual Units DF Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Copper 160 1,300 100 μg/L 5/20/2016 1:16 AM 36389 μg/L Lead ND 15.0 5.00 5/23/2016 2:16 PM 36389

Client Sample ID: 655 S BATHROOM Matrix: Drinking Water

Report **Parameter** MCL DF Date Analyzed BatchID Result Qual Units Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Copper ND 1,300 100 μg/L 5/20/2016 1:20 AM 36390 5/23/2016 2:19 PM Lead ND 15.0 5.00 μg/L 36390

Client Sample ID: 655 S KITCHEN Matrix: Drinking Water

Report **Parameter** Result **MCL** Units Date Analyzed BatchID Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk 211 1,300 100 μg/L 5/20/2016 1:23 AM 36390 Copper

Page 3 of 7



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

**Laboratory Results** 

Client: Hygieneering, Inc.

Report Date: June 10, 2016

Project: KILMER SCHOOL

Workorder: 1605E49

Client Sample ID: 655 S KITCHEN Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 5.00 5/23/2016 2:22 PM 15.0  $\mu g/L$ 36390



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

**Prep Dates** 

Report Date: June 10, 2016

Revision v1

Workorder: 1605E49

Client: Hygieneering, Inc.

**Project:** KILMER SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1605E49-001A	655 HF113B	5/17/2016 6:15 AM				
			36389 Turbi	dity Check		5/19/2016 11:30 AM
1605E49-002A	655 STLOUNGE	5/17/2016 6:20 AM				
			36389 Turbi	dity Check		5/19/2016 11:30 AM
1605E49-003A	655 S BATHROOM	5/17/2016 6:22 AM				
			36390 Turbi	dity Check		5/19/2016 11:31 AM
1605E49-004A	655 S KITCHEN	5/17/2016 6:25 AM				
			36390 Turbi	dity Check		5/19/2016 11:31 AM

Page 5 of 7

Rpt Ver: 6/10/2016 2:30 PM

Value exceeds Maximum Contaminant Level Analyte detected in the associated Method Blank



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

# **Qualifier Definitions**

Report Date: June 10, 2016

WorkOrder: 1605E49

## **Qualifiers:**

\*

В

	J
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

Page 6 of 7

Rpt Ver: 6/10/2016 2:30 PM

7	SUBURBAN LABORATORIES, Inc.	30RATORIES, Ir	ic.		CHAIN OF	F CUSTODY RECORD	RECORD	# Electronic Version	Version
	1950 S Batavia Ave Ste 150 Geneva, IL 60134	a, IL 60134 Tel. 708.544.3260		Fax: 708.544.8587	Toll Free: 800.783.LABS	ABS www.suburbanlabs.com	nlabs.com		7
S	Company Name / Vollege Ecolog Inc.		3	TURNAROUND TIME REQUESTED	1E REQUESTED	ANALYSIS & METHOD REQUESTED		Page 1 of 1	ge 7 c
င္က	Company Address 7575 Plaza	5	×	Normal RUSH*	* Additional Rush  Charges Approved.	Enter an "X" in box below for request		PONO. 2016-2	2685
Ş.	Willowbrook Fin	<sup>zp</sup> 60527		*Date & Time Needed:				Shipping Method	
Phone	Phone (630) 654-2550 Fax	Fax Report		al TAT is 5-7 work days for most work. Rush wor pre-approved and additional charges apply.	Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.			QC Reporting 1 [	23
Em.	-7	W 60 W	Spe	Specify Regulatory Program: (Required)	✓ None/Info only			LAB USE ONLY	YULY
Proj	lect ID / Location / Kilmer Schmi			LUST SRP	☐ SDWA	d		6h3 5000118	אָק
Proj.		ajeneering Cum		] 503 Sludge 🔲 NPDES	S MWRDGC	3 Lea		Sample containers supplied by customer?	□Yes
San	Sample Collector(s) MAK Selmolit	۲.		Disposal X Other	*Please specify in comment section below.	200.		Temperature of 2	22 °c
	SAMPLE IDENTIFICATION	COLLECTION		GRAB/ CONTAINERS	:RS	thod		Samples received within 24 hours of collection?	∏ Yes
	Use One Line Per Preservation & Container Type	m	MATRIX	Ş	YPE PRESERVATIVE	Me		R Condition Split	tAB#
	655 - HF/13B	5-17-16 6:15A	DW	G 1802 +	P HNO3	×			ĪA
N	655 - STLOUNGE	6:32 A	DW		-				2₽
ω	655 - SBathroon	6:22 A							ひ ア
4	655-SKitcher	6:25 A	<b>{</b>	+	+	<b>*</b>			L P
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Was	MATRIX: Drinking Water (DW), Soll (S).  COMMEN Waste Water (WW), Surface Water(SW),  PLEASE	COMMENTS & SPECIAL INSTRUCTIONS: PLEASE COMPLETE THE HIGHLIGHTED SECTIONS	ONS: GHTED SE	CTIONS				CONDITION CODES  1. Improper/damaged container/cap	2DES alner/cap
o G	_,	Drinking Water Regulations	ÿ			)		2. Improper preservation	3
40Z,	Sludge (U), Wipe (F) CONTAINER; 20z.  40z. 80z. 40ml Vial, 500ml, Liter (L), Tube,		Seymou	<i>cohygieneedi</i>		bonderson only lenearly, com		Insurace sample volume     Headspace/air bubbles for VOCs	or VOCs
Glas H.S.	Glass (G), Plastic (P) PRESERVATIVE:  H-SO HCI. HNO Methanol (MeOH)							<ol> <li>Received past holding time</li> <li>Received frozen</li> </ol>	me
Na O	ulfate (NaB), NaThio			j				7. Label conflicts with COC	ľ
	Matt Seymally 5/17/	2. Holinquished By		2-/4/6 s.	3. Helinquished by	Daile	4, Helinquisned by	Date	Ψ
Rece	~	Received to the control of the contr	M Ice	Time 7.70	Received By	☐ Ice Time	Received By	☐ Ice Time	Ü
Sub	Submission of samples subject to Terms and Conditions on back.	anditions on back.	Rev. 7/20/08		ease fill out this form co	Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	ubmit with samples	s. Keep a copy for yo	our records.



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

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

TEL: (630) 654-2550

FAX:

RE: LONDON MIDDLE SCHOOL

#### 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.

Work Order: 1605F17

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

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585

TNI TABORATOR

Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: LONDON MIDDLE SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605F17

- 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.
- 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:



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

### **Laboratory Results**

Client: Hygieneering, Inc.	Report Date: May 25, 2016
Project: LONDON MIDDLE SCHOOL	Workorder: 1605F17

Client Sample ID: 1001 SNURSE317 Matrix: Drinking Water

Report **Parameter MCL** Units DF Date Analyzed BatchID Result Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/20/2016 4:03 AM 36391

Client Sample ID: 1001 H FOUNTAIN S COMMONS Matrix: Drinking Water

R

Report **Parameter** Result **MCL** Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk 5.00 Lead ND 15.0 μg/L 5/20/2016 4:20 AM 36391

Client Sample ID: 1001 S BATHROOM STAFF Matrix: Drinking Water

Report **Parameter** Result **MCL** Qual Units Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk ND 15.0 5.00 5/20/2016 4:23 AM Lead μg/L 36391

Client Sample ID: 1001 S LOUNGE 423 Matrix: Drinking Water

**Lab ID:** 1605F17-004 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 9:19 AM

Report **Parameter** Units DF Date Analyzed BatchID Result MCL Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/20/2016 4:26 AM 36391



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

**Prep Dates** 

Report Date: May 25, 2016

Original

Workorder: 1605F17

Client: Hygieneering, Inc.

**Project:** LONDON MIDDLE SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1605F17-001A	1001 SNURSE317	5/17/2016 9:10 AM				
			36391 Turbi	dity Check	5	5/19/2016 11:32 AM
1605F17-002A	1001 H FOUNTAIN S COMMONS B	5/17/2016 9:13 AM				
			36391 Turbi	dity Check	5	5/19/2016 11:32 AM
1605F17-003A	1001 S BATHROOM STAFF	5/17/2016 9:16 AM				
			36391 Turbi	dity Check	5	5/19/2016 11:32 AM
1605F17-004A	1001 S LOUNGE 423	5/17/2016 9:19 AM				
			36391 Turbi	dity Check	5	5/19/2016 11:32 AM

Value exceeds Maximum Contaminant Level



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

# **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605F17

### **Qualifiers:**

\*

В	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			
Н	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			

r your records.	. Keep a copy for	Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	ੀy, prìnt, sign & su	completel	ill out this form c			Rev. 7/20/08	20	<i>*</i> .	itions on bac	ns and Condi	Submission of samples subject to Terms and Conditions on back.	sion of samp	submis:	Su
Time	☐ Ice	Received By	e Time	∐ Ice	¥	Received By	Time /6:/0	Ice Tim		が	Received	1mo /2:00	Ice	, s	eceived	Hec
Date		4. Relinquished By	Date		shed By		5-18-16	(VB		hed B	<u></u>	5/17/16	White I	MATT YREAG 6	Relinqu	<b>™</b>
300	7. Label conflicts with COC	7.				l							Ì	NaOH, Sodium Bisultate (NaB), NaThio	aOH, So	Na C
		<u>o</u> .											oi (MoOH)	½SO₄, HCl, HNO₃, Methanol (MeOH)	POSª HO	H <sub>2</sub> S
les for VOCs	<ol> <li>Headspace/air bubbles for VOCs</li> <li>Received past holding time</li> </ol>		punelison & nygien earng. com	1207 B	ζ,	E-MAIL RESULTS TO: MYbersehygieneering.com	hygien	Posed 6	0: 3t	ULTS T	AL RE	1 K-W	Liter (L), Tube, SERVATIVE:	4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE;	oz, Boz, . šlass (G),	Glas
olume	3. Insufficient sample volume			· )					5		7.000	, T	TAINER: 202.	Sludge (U), Wipe (P) CONTAINER: 202.	u) agbuli	Sluc
ň	<ol><li>Improper preservation</li></ol>	20						2 20	ろごも	TER PE	DEWKING WATER BAZIC ATIONS	- Dawi		Ground Water (GW), Solid Waste (WA),	around W	o O
ontainer/cap	CONDITION CODES  1. Improper/damaged container/cap	<u> </u>					SNC	) SECTIO	LIGHTEE	THE HIGH	OMPLETE:	COMMENTS & SPECIAL INSTRUCTIONS: PLEASE COMPLETE THE HIGHLIGHTED SECTIONS	•	MATHIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW),	Vaste Wa	Was
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1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

June 10, 2016

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

TEL: (630) 654-2550

FAX:

RE: LONDON MIDDLE SCHOOL

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.

Work Order: 1605F17

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

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: LONDON MIDDLE SCHOOL

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605F17

- 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.
- 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:



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

### **Laboratory Results**

Matrix: Drinking Water

Client: Hygieneering, Inc.

Report Date: June 10, 2016

Project: LONDON MIDDLE SCHOOL

Workorder: 1605F17

Client Sample ID: 1001 SNURSE317 Matrix: Drinking Water

**Lab ID:** 1605F17-001 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 9:10 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	94				Analyst: jmk	
Copper	188	1,300	100		$\mu g/L$	1	5/20/2016 4:03 AM	<b>1</b> 36391
Lead	ND	15.0	5.00		μg/L	1	5/20/2016 4:03 AM	1 36391

Client Sample ID: 1001 H FOUNTAIN S COMMONS

В

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	994				Analyst: jmk	
Copper	ND	1,300	100		μg/L	1	5/20/2016 4:20 AM	1 36391
Lead	ND	15.0	5.00		μg/L	1	5/20/2016 4:20 AM	1 36391

Client Sample ID: 1001 S BATHROOM STAFF
Matrix: Drinking Water

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA	-200 8-5 4, 19	94				Analyst: jmk	
Copper	142	1,300	100		μg/L	1	5/20/2016 4:23 AM	36391
Lead	ND	15.0	5.00		$\mu g/L$	1	5/20/2016 4:23 AM	36391

Client Sample ID: 1001 S LOUNGE 423 Matrix: Drinking Water

**Lab ID:** 1605F17-004 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 9:19 AM

Parameter	Result MCL	Report Limit Qua	al Units	DF	Date Analyzed	BatchID
METALS by ICPMS	Method: EPA-200 8-5 4, 19	994			Analyst: jmk	
Copper	214 1,300	100	μg/L	1	5/20/2016 4:26 AM Pag	I 36391 ge 3 of 7



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

**Laboratory Results** 

Client: Hygieneering, Inc.

Report Date: June 10, 2016

Project: LONDON MIDDLE SCHOOL

Workorder: 1605F17

Client Sample ID: 1001 S LOUNGE 423 Matrix: Drinking Water

**Lab ID:** 1605F17-004 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 9:19 AM

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 5.00 5/20/2016 4:26 AM 15.0  $\mu g/L$ 36391



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

**Prep Dates** 

Report Date: June 10, 2016

Revision v1

Workorder: 1605F17

Client: Hygieneering, Inc.

**Project:** LONDON MIDDLE SCHOOL

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1605F17-001A	1001 SNURSE317	5/17/2016 9:10 AM				
			36391 Turbi	idity Check	:	5/19/2016 11:32 AM
1605F17-002A	1001 H FOUNTAIN S COMMONS B	5/17/2016 9:13 AM				
			36391 Turbi	idity Check	:	5/19/2016 11:32 AM
1605F17-003A	1001 S BATHROOM STAFF	5/17/2016 9:16 AM				
			36391 Turbi	idity Check	:	5/19/2016 11:32 AM
1605F17-004A	1001 S LOUNGE 423	5/17/2016 9:19 AM				
			36391 Turbi	idity Check	:	5/19/2016 11:32 AM

Page 5 of 7

Rpt Ver: 6/10/2016 2:06 PM

Value exceeds Maximum Contaminant Level Analyte detected in the associated Method Blank



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

# **Qualifier Definitions**

Report Date: June 10, 2016

WorkOrder: 1605F17

### **Qualifiers:**

\*

В

	•
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
Н	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

Page 6 of 7

Rpt Ver: 6/10/2016 2:06 PM

or your records.	Keep a copy f	this form completely, print, sign & submit with samples. Keep a copy for your records.	ly, print, sign & su	completel		Please fill out		Rev. 7/20/08	Ae:	, ×	tions on bac	ns and Condi	Submission of samples subject to Terms and Conditions on back	on of samples	ubmissi	Su
Time	☐ Ice	Received By	e Time	∏ Ice	*	Received By	16:10	Ice Time		R.	Received By	Time /2:00	Ice T		aceived By	A <del>o</del> c
Date		4. Relinquished By	Date		hed By		5-18-16	\J#		shed By	2. Relinquished B	5/17/16		MATT YPERO	Relinquished By	<b>3</b> 1. R
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tion	2. Improper preservation 3. Insufficient semale volume	<u>رم</u> در						5 20	WITH	DRINKING WATER REGULATIONS	CING MA	- Drw	STB (WA),	Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P), CONTAINER: 202	udae (U).	SILO
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mer?	Sample containers supplied by customer?		o Le		MWRDGC	NPDES		503 Sludge			<b>-</b>	HNDERSON	BOB A	Project Manager (Heport to)	Project Mai	3
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1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

May 25, 2016

Bob Anderson Hygieneering, Inc. 7575 Plaza Court Willowbrook, IL 60521 Work Order: 1605F18

TEL: (630) 654-2550

FAX:

RE: ROBERT FROST ELEMENTARY

#### 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,

Pat Rodriguez

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585

TNI FREDRATORY

Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: ROBERT FROST ELEMENTARY

Date: May 25, 2016

PO: 2016-2685

QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: EV

#### General Comments:

WorkOrder: 1605F18

- 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.
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#### 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.
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- 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:



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

### **Laboratory Results**

Client: Hygieneering, Inc.

Report Date: May 25, 2016

Project: ROBERT FROST ELEMENTARY

Workorder: 1605F18

Client Sample ID: 1805 S KITCHEN A Matrix: Drinking Water

Report **Parameter MCL** Units DF Date Analyzed BatchID Result Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/20/2016 4:30 AM 36391

Client Sample ID: 1805 S BATHROOM B Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk ND 5/20/2016 5:03 AM Lead 15.0 5.00 36391 μg/L

Client Sample ID: 1805 H FOUNTAIN 205 Matrix: Drinking Water

Report **Parameter** MCL Units Result Qual Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/20/2016 5:06 AM 36391

Client Sample ID: 1805 S LOUNGE 122 Matrix: Drinking Water

**Lab ID:** 1605F18-004 **Date Received:** 5/18/2016 16:10 PM **Collection Date:** 5/17/2016 0:00 AM

Report **Parameter** MCL Units Date Analyzed BatchID Result Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 15.0 5.00 μg/L 5/20/2016 5:10 AM 36391



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

**Prep Dates** 

Report Date: May 25, 2016

Original

Workorder: 1605F18

Client: Hygieneering, Inc.

**Project:** ROBERT FROST ELEMENTARY

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1605F18-001A	1805 S KITCHEN A	5/17/2016 12:00 AM				
			36391 Turbid	lity Check	5	5/19/2016 11:32 AM
1605F18-002A	1805 S BATHROOM B	5/17/2016 12:00 AM				
			36391 Turbid	lity Check	5	5/19/2016 11:32 AM
1605F18-003A	1805 H FOUNTAIN 205	5/17/2016 12:00 AM				
			36391 Turbid	lity Check	5	5/19/2016 11:32 AM
1605F18-004A	1805 S LOUNGE 122	5/17/2016 12:00 AM				
			36391 Turbid	lity Check	5	5/19/2016 11:32 AM



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

# **Qualifier Definitions**

Report Date: May 25, 2016

WorkOrder: 1605F18

### **Qualifiers:**

\*

В	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

Value exceeds Maximum Contaminant Level



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

June 10, 2016

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

TEL: (630) 654-2550

FAX:

RE: ROBERT FROST ELEMENTARY

#### Dear Bob Anderson:

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Work Order: 1605F18

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pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING

Project: ROBERT FROST ELEMENTARY

Date: June 10, 2016

PO: 2016-2685

QC Level:

WorkOrder: 1605F18

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.
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- 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.

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- 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:



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

### **Laboratory Results**

Client: Hygieneering, Inc.

Report Date: June 10, 2016

Project: ROBERT FROST ELEMENTARY

Workorder: 1605F18

Client Sample ID: 1805 S KITCHEN A Matrix: Drinking Water

Report **Parameter** MCL Units DF Date Analyzed BatchID Result Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Copper 124 1,300 100 μg/L 5/20/2016 4:30 AM 36391 5/20/2016 4:30 AM Lead ND 15.0 5.00 μg/L 36391

Client Sample ID: 1805 S BATHROOM B Matrix: Drinking Water

Report **Parameter** Result **MCL** Oual Units DF Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Copper ND 1,300 100 μg/L 5/20/2016 5:03 AM 36391 μg/L Lead ND 15.0 5.00 5/20/2016 5:03 AM 36391

Client Sample ID: 1805 H FOUNTAIN 205 Matrix: Drinking Water

Report **Parameter** MCL DF Date Analyzed BatchID Result Qual Units Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Copper ND 1,300 100 μg/L 5/20/2016 5:06 AM 36391 Lead ND 15.0 5.00 μg/L 5/20/2016 5:06 AM 36391

Client Sample ID: 1805 S LOUNGE 122 Matrix: Drinking Water

Report **Parameter** Result **MCL** Units Date Analyzed BatchID Qual Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk 123 1,300 100 μg/L 5/20/2016 5:10 AM 36391 Copper

Page 3 of 7



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

**Laboratory Results** 

Client: Hygieneering, Inc.

Report Date: June 10, 2016

Project: ROBERT FROST ELEMENTARY

Workorder: 1605F18

Client Sample ID: 1805 S LOUNGE 122 Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units **DF** Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead ND 5.00 5/20/2016 5:10 AM 15.0  $\mu g/L$ 36391



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

**Prep Dates** 

Report Date: June 10, 2016

Revision v1

Workorder: 1605F18

Client: Hygieneering, Inc.

**Project:** ROBERT FROST ELEMENTARY

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1605F18-001A	1805 S KITCHEN A	5/17/2016 12:00 AM				
			36391 Turbi	dity Check	:	5/19/2016 11:32 AM
1605F18-002A	1805 S BATHROOM B	5/17/2016 12:00 AM				
			36391 Turbi	dity Check	:	5/19/2016 11:32 AM
1605F18-003A	1805 H FOUNTAIN 205	5/17/2016 12:00 AM				
			36391 Turbi	dity Check	:	5/19/2016 11:32 AM
1605F18-004A	1805 S LOUNGE 122	5/17/2016 12:00 AM				
			36391 Turbi	dity Check	:	5/19/2016 11:32 AM

Page 5 of 7

Rpt Ver: 6/10/2016 2:04 PM

Value exceeds Maximum Contaminant Level Analyte detected in the associated Method Blank



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

# **Qualifier Definitions**

Report Date: June 10, 2016

WorkOrder: 1605F18

### **Qualifiers:**

\*

В

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
Н	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

Page 6 of 7

Rpt Ver: 6/10/2016 2:04 PM

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Itrozen	6. Received frozen									ethanol (MeOH)	H <sub>2</sub> SO <sub>4</sub> , HCl, HNO <sub>3</sub> , Methanol (MeOH)	Ξ <sub>2</sub> ς
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1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

June 06, 2016

Valerie Hofmann Hygieneering, Inc. 7575 Plaza Court

Willowbrook, IL 60521

TEL: (630) 654-2550

FAX:

**RE:** Longfellow School

#### 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.

Work Order: 1606006

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

Paru Rodyu

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585

TNI TABORATORT

Illinois EPA #100225 Wisconsin FID#:399089350



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

**Case Narrative** 

Client: HYGIENEERING Date: June 06, 2016

Project: Longfellow School PO:
WorkOrder: 1606006 QC Level:

Temperature of samples upon receipt at lab: 22 C Chain of Custody: 131410

#### 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.
- 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:



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

### **Laboratory Results**

Client: Hygieneering, Inc.

Report Date: June 06, 2016

Project: Longfellow School

Workorder: 1606006

Client Sample ID: 501-105-S-I Matrix: Drinking Water

Report Qual **Parameter** Result **MCL** Units DF Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk Lead 5.70 15.0 5.00 μg/L 6/4/2016 9:27 AM 36735

Client Sample ID: 501-105-S-F Matrix: Drinking Water

Report **Parameter** Result MCL Qual Units DF Date Analyzed BatchID Limit METALS by ICPMS Method: EPA-200 8-5 4, 1994 Analyst: jmk ND 15.0 5.00 6/4/2016 9:30 AM Lead  $\mu g/L$ 36735



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

**Prep Dates** 

**Report Date:** June 06, 2016 Original

Workorder: 1606006

Client: Hygieneering, Inc.

**Project:** Longfellow School

Sample ID	Client Sample ID	Collection Date	Prep Batch	Prep Test Name	Leachate Date	Prep Date
1606006-001A	501-105-S-I	6/1/2016 12:00 AM				
			36735 Turbi	idity Check		6/2/2016 11:39 AM
1606006-002A	501-105-S-F	6/1/2016 12:00 AM				
			36735 Turbi	idity Check		6/2/2016 11:39 AM

Value exceeds Maximum Contaminant Level



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

# **Qualifier Definitions**

Report Date: June 06, 2016

**WorkOrder:** 1606006

### **Qualifiers:**

В	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

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les for VOCs	4. Headspace/air bubbles for VOCs	4								oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube,	8oz, 40ml Via	402
olume	<ol><li>Insufficient sample volume</li></ol>	3								Sludge (U), Wipe (P) CONTAINER: 20z,	dge (U), Wipe (	SIC
ä	2. Improper preservation	22								Ground Water (GW), Solid Waste (WA),	und Water (GV	o S
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June 24, 2016

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

Workorder: 1606H10

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

TEL: (630) 654-2550

FAX:

RE: TARKINGTON SCHOOL DRINKING WATER COPPER ANALYSIS

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 5/18/2016 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

Tanu Rodyu

Customer Service Manager 708-544-3260 ext 214

pat@suburbanlabs.com



### **Case Narrative**

Client: Hygieneering, Inc.

Project: TARKINGTON SCHOOL DRINKING WATE

PO #: 2016-2685

WorkOrder: 1606H10 QC Level:
Temperature of samples upon receipt at SLI: 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 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.
- 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**

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc.

Report Date: June 24, 2016

Project Name: TARKINGTON SCHOOL DRINKING WATER

Workorder: 1606H10

Client Sample ID: 310 S 124A Mai

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper ND 1,300 100 µg/L 1 06/21/2016 2:55 PM 37286

Client Sample ID: 310 S T LOUNGE Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper ND 1,300 100 μg/L 1 06/21/2016 2:59 PM 37286

Client Sample ID: 310 S HEALTH Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper ND 1,300 100 μg/L 1 06/21/2016 3:02 PM 37286

Client Sample ID: 310 HF LMC Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper ND 1,300 100 μg/L 1 06/21/2016 3:06 PM 37286



Copper

### Suburban Laboratories, Inc.

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

# **Laboratory Results**

06/21/2016 3:09 PM

37286

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc. Report Date: June 24, 2016 Project Name: TARKINGTON SCHOOL DRINKING WATER Workorder: 1606H10

Client Sample ID: 310 S BATHROOM

268

1,300

Lab ID: 1606H10-005 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 8:30 AM

> Report **Dilution**

> > μg/L

Factor Date Analyzed Result MCL Limit Units **Batch ID Parameter** Qual. Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 

Page 4 of 7



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

# PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: June 24, 2016 Project: TARKINGTON SCHOOL DRINK Lab Order: 1606H10

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1606H10-001A	5/17/2016 8:10:00 A	37286	TURB_METALS	Turbidity Check	6/21/2016
1606H10-002A	5/17/2016 8:15:00 A	37286	TURB_METALS	Turbidity Check	6/21/2016
1606H10-003A	5/17/2016 8:20:00 A	37286	TURB_METALS	Turbidity Check	6/21/2016
1606H10-004A	5/17/2016 8:25:00 A	37286	TURB_METALS	Turbidity Check	6/21/2016
1606H10-005A	5/17/2016 8:30:00 A	37286	TURB METALS	Turbidity Check	6/21/2016

Page 5 of 7

# Suburban Laboratories, Inc.

**Qualifier Definitions** 

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

WO#: **1606H10**Date: **6/24/2016** 

### **Qualifiers:**

*/X	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accredidation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
Н	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	Accredidation 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

Page 6 of 7

this form completely, print, sign & submit with samples. Keep a copy for your records.	ıbmit with samples. K	etely, print, sign & su		Please fill out	/08	Nev. 7/20/08	S OIT Dack.		Services of services and conferences of pack		1
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Insufficient sample volume     Headspace/air bubbles for VOCs     Booking and the later than the later tha		banderson shygieneering, com		to: Mseymour Shygieneering-com,	.ohygien	Ѕеутоок	results to: M.	-E-mail	40z, 80z, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE;	oz, 8oz, 40ml Vial, 5 ilass (G), Plastic (P)	કુ લૂ
2. Improper preservation		,	•		•	Ü	the selection	7	Sludge (U), Wipe (P) CONTAINER; 20z.	iudge (U), Wipe (P)	Š
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CC Reporting 1 2 3			. Rush work must be rges apply.	Normal TAT is 5-7 work days for most work. Rush wo pre-approved and additional charges apply.	mai TAT is 5-7 work		Fax Report	TEX	1654-2550	(630)	
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Page 1 of 17		ANALY	QUESTED	TURNAROUND TIME REQL	TURNARO			Tou.	Hygieneering	Company Address	
# Electronic Version	RECORD anlabs.com	CU	CHAIN OF Toll Free: 800.783.LABS	·	Fax: 708.544.8587	<b>nc.</b>	1950 S Batavia Ave Ste 150 Geneva, IL 60134 Tel. 708.544.3260	SUBURBAN LABORA 1950 S Batavia Ave Ste 150 Geneva, IL 60134	1950 S Batavia Ave	Company Name	



June 24, 2016

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

Workorder: 1606H13

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

TEL: (630) 654-2550

FAX:

RE: TWAIN ELEMENTARY SCHOOL DRINKING WATER COPPER

**ANALYSIS** 

Dear Bob Anderson:

Suburban Laboratories, Inc. received 3 sample(s) on 5/18/2016 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

Customer Service Manager 708-544-3260 ext 214

pat@suburbanlabs.com



### **Case Narrative**

Client: Hygieneering, Inc.

Date: June 24, 2016

Project: TWAIN ELEMENTARY SCHOOL DRINKIN

PO #: 2016-2685

WorkOrder: 1606H13 QC Level:
Temperature of samples upon receipt at SLI: 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 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.
- 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:



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

## **Laboratory Results**

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc.

Report Date: June 24, 2016

Project Name: TWAIN ELEMENTARY SCHOOL DRINKING

Workorder: 1606H13

Client Sample ID: 515 S KITCHEN

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper 148 1,300 100 μg/L 1 06/21/2016 3:23 PM 37286

Client Sample ID: 515 H FOUNTAIN MUSIC HALL B

Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper 165 1,300 100 µg/L 1 06/21/2016 3:44 PM 37286

Client Sample ID: 515 S LOUNGE 135

Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper 149 1,300 100 μg/L 1 06/21/2016 3:48 PM 37286



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

# PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: June 24, 2016 Lab Order: 1606H13 Project: TWAIN ELEMENTARY SCHOO

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1606H13-001A	5/17/2016 8:15:00 A	37286	TURB_METALS	Turbidity Check	6/21/2016
1606H13-003A	5/17/2016 8:21:00 A	37286	TURB_METALS	Turbidity Check	6/21/2016
1606H13-004A	5/17/2016 8:24:00 A	37286	TURB_METALS	Turbidity Check	6/21/2016

Page 4 of 6

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

**Qualifier Definitions** 

WO#: **1606H13**Date: **6/24/2016** 

### **Qualifiers:**

 $*/_{X}$ Value exceeds Maximum Contaminant Level Analyte detected in the associated Method Blank В C Value is below Minimum Concentration Limit Analyte not in SLI scope of accredidation c Estimated, detected above quantitation range E G Refer to case narrative page for specific comments Η 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 Accredidation is not available from Wisconsin Q R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits T Analyte detected in sample trip blank

Page 5 of 6 Created: 6/24/2016 6:42:32 AM

t this form completely, print, sign & submit with samples. Keep a copy for your records.	with samples. Keep	/, print, sign & submit v	ompletely	out this form o	Please till ou		Rev. 7/20/08	<b>d</b>	X	ions on bac	ns and Condit	Submission of samples subject to Terms and Conditions on back.	ission of samp	Subin
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6. Received frozen 7. Label conflicts with COC	7 6									1			H <sub>2</sub> SO <sub>4</sub> , HCI, HNO <sub>3</sub> , Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio	H <sub>2</sub> SO <sub>4</sub> , NaOH,
<ol> <li>Headspace/air bubbles for VOCs</li> <li>Received past holding time</li> </ol>		bunderson @ hygien earing.com	S61@	Ç	ecins. Con	hygiene	Degel	37	E-MAIL RESULTS TO: MYbergehygieneering. am	TH RE	I E-MA	Liter (L), Tube, SERVATIVE:	40z, 80z, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE;	40z, 80 Glass (
3. Insufficient sample volume		•	}				9,0		PRINTING WATER ACCOUNTS OF THE	, (a) o [Wh	せてるア	TAINER: 20z.	Sludge (U), Wipe (P) CONTAINER: 20z.	Sludge
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## SUBURBAN LABORATORIES, Inc.



June 24, 2016

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

Workorder: 1606H16

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

TEL: (630) 654-2550

FAX:

RE: EUGENE FIELD SCHOOL DRINKING WATER COPPER ANALYSIS

Dear Bob Anderson:

Suburban Laboratories, Inc. received 2 sample(s) on 5/18/2016 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

Tanu Rodyu

Customer Service Manager 708-544-3260 ext 214

pat@suburbanlabs.com



#### **Case Narrative**

Client: Hygieneering, Inc.

Date: June 24, 2016

Project: EUGENE FIELD SCHOOL DRINKING WAT

PO #: 2016-2685

WorkOrder: 1606H16 QC Level:

Temperature of samples upon receipt at SLI: 22 C Chain of Custody #: ELEC

#### 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.
- 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:



Laboratory Results

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

Client ID: Hygieneering, Inc.

Report Date: June 24, 2016

Project Name: EUGENE FIELD SCHOOL DRINKING WATE

Workorder: 1606H16

Client Sample ID: 51 S KITCHEN A

Matrix: DRINKING WATER

Lab ID: 1606/116 001 Per Province de 05/18/2016 4:10 PM

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper 105 1,300 100 µg/L 1 06/21/2016 3:51 PM 37286

Client Sample ID: 51 S LOUNGE Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper 116 1,300 100 μg/L 1 06/21/2016 4:05 PM 37286



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

## PREP DATES REPORT

Client:Hygieneering, Inc.Report Date: June 24, 2016Project:EUGENE FIELD SCHOOL DRINLab Order: 1606H16

Sample ID **Collection Date Batch ID** Prep Method **Prep Test Name TCLP Date Prep Date** 1606H16-001A 5/17/2016 8:39:00 A 37286 TURB METALS **Turbidity Check** 6/21/2016 1606H16-004A 5/17/2016 8:52:00 A 37286 TURB\_METALS **Turbidity Check** 6/21/2016

Page 4 of 6

**Qualifier Definitions** 

1950 S Batavia Ave , Suite 150, Geneva, IL 60134 (708) 544-3260 WO#: **1606H16** 

Date: 6/24/2016

## **Qualifiers:**

*/X	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accredidation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
Н	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	Accredidation 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

Page 5 of 6

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Condition   Split   LAB #	я Сс	Me	PRESERVATIVE	SIZE & TYPE	COMP. Qty SIZ	MATRIX	E TIME		Use One Line Per Preservation & Container Type	Us.
Samples received within Yes 24 hours of collection?	Samples 24 hours	ethod		CONTAINERS	GRAB/ CONT		COLLECTION		ក	
Temperature of 22 °C	Tempa	200.	"Please specify in comment section below.	Other section	Disposal 🔯			R6	MATI	Sample Collector(s)
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3016-Jus	Enter an "X" in box below for request	Enter an "X" in b	*Additional Rush Charges Approved.	RUSH* cha	Normat	[X		DIAZACT.	7575	Company Address
<b>o</b> f 6	ANALYSIS & METHOD REQUESTED Page	ANALYSIS & ME	QUESTED	D TIME REC	TURNAROUND TIME REQUE			1NC	Hybieneorand6.	Company Name
Electronic Version	HAIN OF CUSTODY RECORD # 1 800.783.LABS www.suburbanlabs.com	F CUSTOL	CHAIN OF Toll Free: 800.783.LABS		Fax: 708.544.8587	<b>nc.</b> 44.3260	TORIES, Inc. Tel. 708.544.3260	LABORA 50 Geneva, IL 60134	SUBURBAN LABORATORIES, Inc. 1950 S Batavia Ave Ste 150 Geneva, IL 60134 Tel. 708.544.3	

## SUBURBAN LABORATORIES, Inc.



June 24, 2016

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

Workorder: 1606H20

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

TEL: (630) 654-2550

FAX:

RE: HAWTHORNE EARLY CHILDHOOD SCHOOL DRINKING WATER COPPER ANALYSIS

Dear Bob Anderson:

Suburban Laboratories, Inc. received 2 sample(s) on 5/18/2016 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

Customer Service Manager 708-544-3260 ext 214

pat@suburbanlabs.com



#### **Case Narrative**

Client: Hygieneering, Inc.

Date: June 24, 2016

Project: HAWTHORNE EARLY CHILDHOOD SCHO

PO #: 2016-2685

WorkOrder: 1606H20 QC Level:

Temperature of samples upon receipt at SLI: 22 C Chain of Custody #: ELEC

#### 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.
- 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:



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

## **Laboratory Results**

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc.

Report Date: June 24, 2016

Project Name: HAWTHORNE EARLY CHILDHOOD SCHOO

Workorder: 1606H20

Client Sample ID: 200 H FOUNTAIN 105B Matrix: DRINK

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper 489 1,300 100 μg/L 1 06/21/2016 4:09 PM 37286

Client Sample ID: 200 S BATHROOM Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper 125 1,300 100 µg/L 1 06/21/2016 4:12 PM 37286



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

# PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: June 24, 2016 Lab Order: 1606H20 Project: HAWTHORNE EARLY CHILDH

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1606H20-001A	5/17/2016 7:44:00 A	37286	TURB_METALS	Turbidity Check		6/21/2016
1606H20-002A	5/17/2016 7:48:00 A	37286	TURB_METALS	Turbidity Check		6/21/2016

Page 4 of 6

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

# **Qualifier Definitions**

8) 544-3260 WO#: **1606H20**Date: **6/24/2016** 

## **Qualifiers:**

*/X	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accredidation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
Н	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	Accredidation 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

Page 5 of 6 Created: 6/24/2016 6:44:34 AM

or your records.	. Keep a copy for	Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	/, print, sign & s	npletely	Il out this form cor	Please fi		Rev. 7/20/08	\   <sub>R</sub>	ack.	itions on ba	ms and Cond	Submission of samples subject to Terms and Conditions on back.	omission of sa	Sub
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1000	7, Label conflicts with COC												e (NaB), NaThio	NaOH, Sodium Bisulfate (NaB), NaThio	NaOF
	5. Received frozen	on.											thanol (MeOH)	+,SO <sub>4</sub> , HCl, HNO <sub>3</sub> , Methanol (MeOH)	ž T
ling time	5. Received past holding time		panel son of nyglor carry: com	G S	Ç	eesing. Con	hygien	Band C	1. 3.7	C:MAIL RESULTS TO: ATTROBOTYGIONGING. GM	きった	V	904, 904, 40m vial, 500m, Liter (L), 1006, Glass (G), Plastic (P) PRESERVATIVE;	402, 802, 40iii vat, 500iii, cher (د), 100 Glass (G), Plastic (P)  PRESERVATIVE;	Glase
blas for VOCs	A Headensee/air birbbles for VOCs		harris anne			•		}	-	i	•	(	Condida (C), washe (T) (COMITS REACH, COA.	90 (0), vv)00 (F) 5	, ,,,
tion	2. Improper preservation	<u> </u>						0 × 0	うして	DRINKING WATER REGULATIONS	KING WIF	- Drwi	oild Waste (WA),	Ground Water (GW), Solid Waste (WA),	0.00
d container/cap	1. Improper/damaged container/cap	<del></del>					Š	SECTIO	'ICHLED	PLEASE COMPLETE THE HIGHLIGHTED SECTIONS	DMPLETE	PLEASE C	Waste Water (WW), Surface Water(SW),	te Water (WW), S	Wast
CONDITION CODES	CONDITIC								ONS:	COMMENTS & SPECIAL INSTRUCTIONS:	& SPECIA	COMMENTS	ter (DW), Soil (S).	WATRIX: Drinking Water (DW), Soil (S).	MAT
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of 6	Page of		ANALYSIS & METHOD REQUESTED	AN,	SUESTED	TURNAROUND TIME REQUESTED	RNAROU	ָ עַ				INC	Hy61ENEARING	Company Name H	င္ပ
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## SUBURBAN LABORATORIES, Inc.



June 24, 2016

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

Workorder: 1606H22

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

TEL: (630) 654-2550

FAX:

RE: WALT WHITMAN SCHOOL DRINKING WATER COPPER ANALYSIS

Dear Bob Anderson:

Suburban Laboratories, Inc. received 2 sample(s) on 5/18/2016 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

Tanu Rodyu

Customer Service Manager 708-544-3260 ext 214

pat@suburbanlabs.com



#### **Case Narrative**

Client: Hygieneering, Inc.

Date: June 24, 2016

Project: WALT WHITMAN SCHOOL DRINKING WA

PO #: 2016-2685

WorkOrder: 1606H22 QC Level:
Temperature of samples upon receipt at SLI: 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 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.
- 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:



**Laboratory Results** 

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

Client ID: Hygieneering, Inc. Report Date: June 24, 2016

Project Name: WALT WHITMAN SCHOOL DRINKING WA Workorder: 1606H22

Client Sample ID: 133 S KITCHEN 123

Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper 116 1,300 100 μg/L 1 06/21/2016 4:16 PM 37286

Client Sample ID: 133 S LOUNGE 108

Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper 271 1,300 100 μg/L 1 06/21/2016 4:19 PM 37286



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

# PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: June 24, 2016 Project: WALT WHITMAN SCHOOL DR Lab Order: 1606H22

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1606H22-001A	5/17/2016 7:03:00 A	37286	TURB_METALS	Turbidity Check		6/21/2016
1606H22-004A	5/17/2016 7:12:00 A	37286	TURB METALS	Turbidity Check		6/21/2016

Page 4 of 6

**Qualifier Definitions** 

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

WO#: **1606H22**Date: **6/24/2016** 

## **Qualifiers:**

*/X	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accredidation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
Н	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	Accredidation 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

Page 5 of 6

or your records.	Keep a copy for	ubmit with samples.	≱tely, print, sign & su	Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.	Please fill	V08	Rev. 7/20/08	ns on back.	ms and Conditio	Submission of samples subject to Terms and Conditions on back.	Submis
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		60								42SO4, HCI, HNO3, Methanol (MeOH)	H <sub>2</sub> SO <sub>4</sub> , H
ling time	<ol> <li>Headspace/air bubbles for VOCs</li> <li>Received past holding time</li> </ol>		pawerson & nygres earng. com	Ç.	ecias. Com	3@hygiene	· satyber	E-MAIL RESULTS TO: MYLLEGEDHYGIENEETING. GM	TEST	Glass (G), Plastic (P) PRESERVATIVE:	Glass (G)
volume	3. Insufficient sample volume		2			<u>)</u>			ι	Sidge (U), Wipe (F) CONTAINER; 202.	O) egons
ion	2. Improper preservation	, ki				•	SULFICAS:	DRINKING WATER REGULATIONS	- I Drwki	Ground Water (GW), Solid Waste (WA),	Ground W
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22 °c	Temperature of Received Samples		200.	*Please specify in comment section below.	Other section	Disposal 📉	_ 		NBERLE	Sample Collector(s)  MATT 14	Sample
ers mer? ∐Yes	Sample Containers supplied by customer?		8 Lea	MWRDGC	NPDES	503 Sludge			HNDERSON	aport to) Bos	Project N
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Electronic Version	# Electro	CUSTODY RECORD www.suburbanlabs.com		CHAIN OF Toll Free: 800.783,LABS		Fax: 708.544.8587	260	SUBURBAN LABORATORIES, Inc. 1950 S Batavia Ave Ste 150 Geneva, IL 60134 Tel. 708.544,3260	N LABO	SUBURBAN LABORA 1950 S Batavia Ave Ste 150 Geneva, IL 60134	6

## SUBURBAN LABORATORIES, Inc.



June 24, 2016

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

Workorder: 1606H27

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

TEL: (630) 654-2550

FAX:

RE: HOLMES MIDDLE SCHOOL DRINKING WATER COPPER ANALYSIS

Dear Bob Anderson:

Suburban Laboratories, Inc. received 4 sample(s) on 5/18/2016 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

Tanu Rodyu

Customer Service Manager 708-544-3260 ext 214

pat@suburbanlabs.com



#### **Case Narrative**

Client: Hygieneering, Inc.

Project: HOLMES MIDDLE SCHOOL DRINKING WA

PO #: 2016-2685

WorkOrder: 1606H27 QC Level:

Temperature of samples upon receipt at SLI: 22 C Chain of Custody #: ELEC

#### 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.
- 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:



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

Client ID: Hygieneering, Inc. Report Date: June 24, 2016

Project Name: HOLMES MIDDLE SCHOOL DRINKING WA Workorder: 1606H27

Client Sample ID: 221 S KITCHEN A Matrix: DRINKING WATER

Lab ID: 1606H27-001 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 6:40 AM

Dilution Report

MCL Limit Parameter Result Qual. Units Factor Date Analyzed **Batch ID** 

**METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

1,300 06/21/2016 4:23 PM 37286 Copper 129 μg/L

Client Sample ID: 221 S BATHROOM D Matrix: DRINKING WATER

Lab ID: 1606H27-002 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 6:43 AM

Dilution Report

MCL Limit **Parameter** Result Oual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: imk

1.300 Copper 121 100 μg/L 06/21/2016 4:26 PM 37286

Client Sample ID: 221 H FOUNTAIN 204 Matrix: DRINKING WATER

Lab ID: 1606H27-003 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 6:55 AM

Report Dilution

Result MCL Limit Factor Date Analyzed Units **Batch ID Parameter** Qual.

Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk METALS BY ICPMS

109 06/21/2016 4:30 PM Copper 1.300 μq/L 37286

Client Sample ID: 221 S LOUNGE Matrix: DRINKING WATER

Lab ID: 1606H27-004 Date Received: 05/18/2016 4:10 PM Collection Date: 05/17/2016 6:49 AM

**Dilution** Report

Factor Date Analyzed **Parameter** Result MCL Limit Oual. Units **Batch ID** 

Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 

ND 1,300 100 06/21/2016 4:47 PM 37286 Copper ug/L



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

# PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: June 24, 2016 Lab Order: 1606H27 Project: HOLMES MIDDLE SCHOOL DR

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date	
1606H27-001A	5/17/2016 6:40:00 A	37286	TURB_METALS	Turbidity Check		6/21/2016	
1606H27-002A	5/17/2016 6:43:00 A	37286	TURB_METALS	Turbidity Check		6/21/2016	
1606H27-003A	5/17/2016 6:55:00 A	37286	TURB_METALS	Turbidity Check		6/21/2016	
1606H27-004A	5/17/2016 6:49:00 A	37286	TURB_METALS	Turbidity Check		6/21/2016	

Created: 6/24/2016 6:46:29 AM

**Qualifier Definitions** 

1950 S Batavia Ave , Suite 150, Geneva, IL 60134 (708) 544-3260 WO#: **1606H27**Date: **6/24/2016** 

**Qualifiers:** 

*/X	Value exceeds Maximum Contaminant Level
В	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accredidation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
Н	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	Accredidation 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

Page 5 of 6

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th coc	6. Received frozen 7. Label conflicts with COC					1							H <sub>2</sub> SO <sub>4</sub> , HOI, HNO <sub>3</sub> , Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio	YaOH, S
ubbles for VOCs viding time	Headspace/air bubbles for VOCs     Received past holding time		bawlerson © hygien eering. com	શુજ્જ હ	C.	ecins. con	?hygiene	Tyboge	3	E-MAIL RESULTS TO: MYbergehygieneering.com	I F.MAI	or (L), Tube, RVATIVE:	4oz, 8oz, 40ml Vial, 500ml, Litor (L), Tube, Glass (G), Plastic (P) PRESERVATIVE:	4oz, 8oz, Slass (G
vation le volume	<ol> <li>Improper preservation</li> <li>Insufficient sample volume</li> </ol>							77000	Ewin.	DRWKING WATER REQUESTIONS	しせかいだら	INER: 20z.	Sludge (U), Wipe (P) CONTAINER: 20z.	Sludge (i
CONDITION CODES r/damaged container/cap	CONDITION CODES  1. improper/damaged container/cap						SNO	ED SECTI	HLIGHTE	PLEASE COMPLETE THE HIGHLIGHTED SECTIONS	LEASE COMP		Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA)	Waste W
				-	The state of the s				1000	DECIAL INCTOL	OMMENTS & S		MATRIX: Drinking Water (DW) Soil (S)	MATRIX
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<u></u>	R Condition		Ме		PRESERVATIVE	SIZE & TYPE	Qty	RIX COMP.	MATRIX	DATE TIME		Use One Line Per Preservation & Container Type	Use One Line Per P	
ection? Tes	Samples received within 24 hours of collection?		thod			CONTAINERS		GRAB/		COLLECTION		SAMPLE IDENTIFICATION	SAMPLE	
es 22 °c	Temperature of Received Samples		200.8		*Please specify in comment section below.	Other secti	ĺ	Disposal			NEERE	WALL JAW	Sample Collector(s)	vampi
ainers Yes	Sample containers supplied by customer?		8 Lea		MWRDGC	NPDES	503 Sludge			With the William To t	HNBERSON	BOB A	A manager (neport to)	, je
<i>\$638</i>	SLI Order No.		nd		SDWA	SRP				Sample .	DIF SHOO	BRITANIE TO LINES MISSIE SCHOOL		o o
LAB USE ONLY	LAB			nly	None/Info only		Specify Regulatory Program: (Required)	Specify		28	ieneering.	Myberg Whyg reneering. com	N.	D (1)
□ 1 □ 2 □ 3	QC Reporting Level			st be	Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.	ays for most wor nd additional cha	AT is 5-7 work days for most work. Rush work pre-approved and additional charges apply.	Normal T	Fax Report	☐ Fa)	rax		1550 654 - 1550	
	Shipping Method						*Date & Time Needed:	*Date &	•	50527	State	'	WILLOWSROOK	2
016-3885	PO No.	Enter an "X" in box below for request	Enter an "X" in bo		*Additional Rush Charges Approved.	RUSH* ch		Normal			DIASACT,	7575 PL	Company Address	Comp
of 6	Page /	ANALYSIS & METHOD REQUESTED			QUESTED	ID TIME RE	TURNAROUND TIME REQUESTED	·			INC	Hy61ENEERING	Company Name Hy61	Comp
Electronic Version	*	CHAIN OF CUSTODY RECORD  ree: 800.783.LABS www.suburbanlabs.com	CUSTOD: www.subu	<b>1 OF</b> '83.LABS	CHAIN OF Toll Free: 800.783.LABS		Fax: 708,544,8587		IES, Inc. Tel. 708.544.3260	TOR	N LABOF	SUBURBAN LABORA 1950 S Batavia Ave Ste 150 Geneva, IL 60134	. 6	A

## SUBURBAN LABORATORIES, Inc.



June 24, 2016

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

Workorder: 1606H43

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

TEL: (630) 654-2550

FAX:

RE: GILL ADMINISTRATION BLDG DRINKING WATER COPPER

**ANALYSIS** 

Dear Bob Anderson:

Suburban Laboratories, Inc. received 1 sample(s) on 5/18/2016 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

Customer Service Manager

708-544-3260 ext 214

pat@suburbanlabs.com



#### **Case Narrative**

Client: Hygieneering, Inc.

Date: June 24, 2016

Project: GILL ADMINISTRATION BLDG DRINKING

PO #: 2016-2685

WorkOrder: 1606H43 QC Level:

Temperature of samples upon receipt at SLI: 22 C Chain of Custody #: ELEC

#### 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.
- 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:



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

# **Laboratory Results**

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc.

Report Date: June 24, 2016

Project Name: GILL ADMINISTRATION BLDG DRINKING

Workorder: 1606H43

Client Sample ID: 999 S BATHROOM HR B

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed Batch ID

METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk

Copper 285 1,300 100  $\mu$ g/L 1 06/21/2016 4:51 PM 37286



# **Suburban Laboratories, Inc.** 1950 S Batavia Ave , Suite 150, Geneva, IL 60134 (708) 544-3260

# PREP DATES REPORT

Client: Report Date: June 24, 2016 Hygieneering, Inc.

GILL ADMINISTRATION BLDG Lab Order: 1606H43 Project:

Sample ID **Collection Date Batch ID** Prep Method **Prep Test Name TCLP Date** Prep Date 1606H43-002A 5/17/2016 9:36:00 A 37286 TURB\_METALS **Turbidity Check** 6/21/2016

Page 4 of 6

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

**Qualifier Definitions** 

WO#: **1606H43**Date: **6/24/2016** 

### **Qualifiers:**

 $*/_{X}$ Value exceeds Maximum Contaminant Level В Analyte detected in the associated Method Blank C Value is below Minimum Concentration Limit Analyte not in SLI scope of accredidation c Estimated, detected above quantitation range E G Refer to case narrative page for specific comments Η 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 Accredidation is not available from Wisconsin Q R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits T Analyte detected in sample trip blank

Page 5 of 6 Created: 6/24/2016 6:47:40 AM

Received By Ice Time Received By Ice Time
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HNO3
PRESERVATIVE
"Please specify in comment
MWRDGC
SDWA
✓ None/Info only
Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.
*Additional Rush Charges Approved.
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