

October 5, 2016

Katie Drews Investigator Better Government Association 223 West Jackson, Suite 900 Chicago, IL 60606 312-821-9027

VIA EMAIL - kdrews@bettergov.org

Re: FOIA Request Dated September 15, 2016 and received September 16, 2016

Subject: A request regarding copies of:

- Records showing results of any and all lead testing of water sources at district schools from August 1, 2011 to the
 present. Please also provide details of the lead testing, including but not limited to who performed the testing
 and how it was completed.
- Any and all communication including but not limited to emails, letters, memos and meeting minutes about lead
 testing of water sources at district schools from Jan. 1, 2016 to today. Please be sure to include communication that was
 sent to parents, as well as records showing any and all discussion among staff, board members, vendors and others, any
 and all purchasing records from 2016-02-18 to current.

Dear Ms. Drews:

This letter will serve as Community Unit School District 308's response to your September 15, 2016 request under the Freedom of Information Act (5 ILCS 140/1 et seq.), in which you asked for the above referenced information. The information responsive to your request is attached.

To promote district transparency and assist others who may have a similar question, this responsive document will be posted online on the district's website. To access it, go to www.sd308.org and select Our District > Freedom of Information Act Request > FOIA Request Responses, then select FOIA ID #16-28.

Please be advised that to comply with your FOIA request, the district incurred the expense of \$378.28 comprised of the cost of labor and resources used to search for records responsive to your request. You are not legally required to reimburse the district for the amount incurred.

Please let me know if you have additional questions. Thank you.

Brian Graves

Freedom of Information Officer



RE: Testing

Wed, Sep 14, 2016 at 9:04 AM

Rob...I got a call that the 2 samples we took Monday passed for Lead and Copper....Thanks Bob

From: Robert Allison [mailto:rallison@sd308.org]
Sent: Sunday, September 11, 2016 7:24 PM

To: Bob Anderson

banderson@HygieneeringInc.onmicrosoft.com>

Subject: Re: Testing

Ok. See you there.

On Sunday, September 11, 2016, Bob Anderson <a href="mailto:space-approximation-condition-approximation-condition-approximation-condition-approximation-condition-approximation-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-condition-

Rob let's meet at 7:30 am at Churchill

Sent from my Verizon 4G LTE smartphone

----- Original message ------From: Robert Allison rallison@sd308.org

From: Robert Allison <rallison@sd308.org> Date: 9/10/16 11:27 AM (GMT-06:00)

Subject: Testing

Bob.

Danny will be out of the office tomorrow so I will need to meet you Monday. Can you confirm what building you want to test again?

Thanks.

Rob.

"The best way to find yourself is to lose yourself in the service of others." - Mahatma Gandhi

Rob Allison - Assistant Director, SD308 Operations

71 Stonehill Rd.

Oswego, Il. 60543

Office: 630-636-3190

Cell: 630-401-7887

"The best way to find yourself is to lose yourself in the service of others." - Mahatma Gandhi

Rob Allison - Assistant Director, SD308 Operations

71 Stonehill Rd.

Oswego, Il. 60543

Office: 630-636-3190

Cell: 630-401-7887



Proposal

Robert Allison <rallison@sd308.org>
To: "Anderson, Bob" <banderson@hygieneering.com>

Thu, Jul 7, 2016 at 12:14 PM

Bob,

I've been asked to provide a timeline on the lead testing. Can you advise your earliest start date and when we can expect results back when you provide the quote? Also, I'm assuming the quote will include the cost of both labor for pulling samples and lab work?

Thanks.

Rob.

"The best way to find yourself is to lose yourself in the service of others." - Mahatma Gandhi





Proposal

Robert Allison <rallison@sd308.org>

Mon, Jul 11, 2016 at 3:06 PM

To: "Anderson, Bob" <banderson@hygieneering.com>

Cc: Michael Barr <mbarr@sd308.org>, Danny Kenyon <dkenyon@sd308.org>, Kathleen DeRose <kderose@sd308.org>, Deborah Nervis <dnervis@sd308.org>

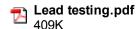
Bob,

Attached please find the signed proposal. Please let me know what the testing schedule looks like so we can alert the buildings and insure your team has access.

Thanks.

Rob.

"The best way to find yourself is to lose yourself in the service of others." - Mahatma Gandhi





potable water testing

Robert Allison <rallison@sd308.org>

Tue, Jul 12, 2016 at 7:54 AM

To: Building Engineers <buildingengineers@sd308.org>, AllPrincipals <allprincipals@sd308.org>, AllAsstPrincipals <allprincipals@sd308.org>, AllAsstPrincipals <allprincipals@sd308.org>, Gladys Martinez gmartinez@sd308.org>

Cc: Danny Kenyon cdots-align: cdots-align: cdot

Good morning,

Please be advised we have approved Hygineering to perform lead content testing at all of our facilities. They will sample the incoming supply, and up to 4 additional sources (fountains) in each building. I am waiting on their schedule, but have advised them we want this testing done asap. This is a <u>proactive</u> approach to the reports that have been coming in about possible lead exposure in other districts. This in <u>not a reactionary</u> approach to a known issue.

We will provide a schedule as soon as it becomes available. If you have any questions, please let me know.

Have a great day.

Rob.

"The best way to find yourself is to lose yourself in the service of others." - Mahatma Gandhi



Lead testing

Robert Allison <rallison@sd308.org>
To: "Anderson, Bob" <banderson@hygieneering.com>

Mon, Aug 8, 2016 at 11:13 AM

Bob,

Where are we with the lead testing? Leadership is asking for an update.

Thanks.

Rob.

"The best way to find yourself is to lose yourself in the service of others." - Mahatma Gandhi



Lead testing

Robert Allison <rallison@sd308.org> To: "Zeidner, David" <dzeidner@hygieneering.com> Thu, Jun 23, 2016 at 6:41 AM

David,

I've been asked to consider testing our facilities water supply for lead, no doubt in response to recent concerns in other communities. Can you advise if this is something Hygieneering would do, and if so, what would be the process and cost to the district? Remediation, I assume, would follow as needed.

I appreciate your time and consideration.

Rob.

"The best way to find yourself is to lose yourself in the service of others." - Mahatma Gandhi



Lead testing

Robert Allison <rallison@sd308.org>
To: "Zeidner, David" <dzeidner@hygieneering.com>

Mon, Aug 15, 2016 at 1:43 PM

David,

Have the results for the lead testing been finalized and sent? I apologize if they have and you sent them. It's been a crazy week and I haven't had time to run through all my email yet. District leadership is asking.

Thanks.

Rob.

"The best way to find yourself is to lose yourself in the service of others." - Mahatma Gandhi



Hygieneering Water Testing Services

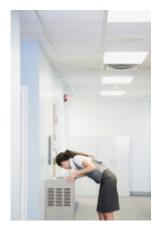
Bob Anderson

 banderson@hygieneering.com> Reply-To: banderson@hygieneering.com To: rallison@sd308.org

Thu, Feb 4, 2016 at 12:19 PM



Are You Drinking **Healthy Water?**



Is Your Facility's **Distribution System** Contaminating the Water?



Hygieneering's drinking water quality testing services include typical contaminants of concern by building occupants and the EPA.

- Hygieneering will select appropriate potable water sampling locations for testing.
- Hygieneering will review the risk factors for water quality in your facility and recommend sampling parameters that may include:
 - Total coliform
 - Metals such as lead, cadmium, iron, antimony and copper
 - Asbestos
 - Chlorine (free and total residual)
 - Total hardness (CaCO3)
 - Nitrates and nitrites
 - Alkalinity and pH
- Analytical results will be compared to the Environmental Protection Agency's (EPA) National Primary Drinking Water Regulations (NPDWR) or Primary Standards.
- Professional report of results and recommendations.

For more info, contact Bob Anderson at <u>banderson@hygieneering.com</u>.

Related: Flint, Michigan Drinking Water Response



www.hygieneering.com

Hygieneering, 7575 Plaza Court, Willowbrook, IL 60527

SafeUnsubscribe™ rallison@sd308.org Forward this email | Update Profile | About our service provider Sent by banderson@hygieneering.com in collaboration with



Try it free today



Fwd: Lead/Copper Testing

Koepke, Chris <ckoepke@earthwiseenvironmental.com> To: Robert Allison <rallison@sd308.org>

Thu, Jun 30, 2016 at 3:13 PM

FYI

Sent from my iPhone - please excuse typos

Chris Koepke
Vice President of Corporate Accounts
Office: 630.475.3070
Cell: 630.774.0419

Earthwise Website Launch Mar 2015

Begin forwarded message:

From: "McLaughlin, Larry" < Imclaughlin@earthwiseenvironmental.com>

Date: June 28, 2016 at 11:21:01 AM CDT

To: Earthwise <earthwise@earthwiseenvironmental.com>

Subject: Lead/Copper Testing

Group,

Lead testing is becoming a hot topic. We can retrieve the samples ourselves (charge 3x our cost), bring them to the lab and write the follow up...or we can let the client know who to contact. Many times the lab will come out and conduct the entire process.

If we do the work we will need to write a follow up letter. I have attached a template we can use which outlines the process. I've also attached the EPA guidelines for drinking water. Note the yellow highlighted items, and please read through the following at the end of the EPA document.

Copper: 1.3 ppm MAX

Lead: 0.015 ppm / Above this action needs to be taken.

- Maximum Contaminant Level Goal (MCLG) 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.
- Maximum Contaminant Level (MCL) The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Any questions let me know.

Regards,

Larry P. McLaughlin

ANSI/ASHRAE 188-2015 Standard is now released. Check our news section on the website for the published standard. Call Earthwise to discuss how this may impact your business.

7 attachments



image004.jpg



ATT00001.htm 2K





ATT00002.htm 2K



LeadAnalysisLetter.doc 41K



ATT00003.htm



EPA Table of Regulated Drinking Water Contaminants.docx



ATT00004.htm



Back flow water testing for lead

Danny Kenyon dkenyon@sd308.org

Tue, Sep 6, 2016 at 12:20 PM

To: banderson@hygieneering.com

Cc: Maria Lopez <mlopez@sd308.org>, Darrin HM-BE-Tackitt 09 <dtackitt@sd308.org>, Michael Hosler <mhosler@sd308.org>, Robert Allison <rallison@sd308.org>

Good afternoon all:

I will be coming by today to run water through the test ports of the back flow devices at your building. We will have them tested tomorrow morning around 6:30 am

Please call me with questions.

Industrial hygiene, safety and environmental consulting services

(630)654-2550

July 11, 2016

rallison@sd308.org

Rob Allison Oswego Community Unit District # 308 Assistant Director, SD308 Operations 71 Stonehill Rd. Oswego, Il. 60543

RE: Domestic Potable Water Sampling for Lead
Baseline Screening of Drinking Fountains in 24 Buildings

Dear Mr. Allison,

Thank you for the opportunity for Hygieneering, Inc. (Hygieneering) to provide professional consulting and testing services to Oswego Community Unit District # 308. Per your request, Hygieneering is pleased to provide this proposal to conduct water sampling and analysis for lead at all district buildings. As discussed, the focus of this baseline assessment is on the drinking fountains in the 24 buildings. The following outlines our approach to this project.

Scope of Work

Hygieneering will complete the following tasks during this baseline assessment:

- Hygieneering will collect up to 4 drinking water fountain samples and 1 incoming water sample for lead (first draw) at each of the district schools; a total of 24 buildings.
- Hygieneering will consult with building representatives via the phone to assist in selecting representative locations.
- We will coordinate with building representatives as necessary to ensure good communication on arrival times to the buildings.
- These samples will be taken during 4 consecutive day shifts to be determined over the summer.
- The water samples will be submitted to an Illinois drinking water accredited and certified laboratory for lead analysis on a standard 7-10 day turnaround time.
- Analytical results will be compared to the Environmental Protection Agency's (EPA) National Primary Drinking Water Regulations (NPDWR) or Primary Standards and Secondary Standards, as applicable.
- Hygieneering will prepare a report detailing field activities, laboratory analytical results and
 interpretation of results. One report will be provided, however, separate tables of results for each
 school will be included. Recommendations will be provided as necessary based on the findings.

Conditions of the Proposal

Oswego Community Unit District # 308 understands that the purpose of this assessment is for a baseline screening for lead levels at pre-determined locations selected by facility staff. It is not intended for any type of compliance purposes.

Oswego Community Unit District # 308 is responsible for providing Hygieneering with one school rep for each sampling team onsite during sampling to provide timely access to sampling areas.



Oswego Community Unit District # 308 is responsible for ensuring the pre-determined sampling sites/fixtures within the building remain un-used for at least six (6) hours prior to sampling. We request that signs be posted indicating the fixtures are out of service if the facilities are occupied and someone may use the fixture.

Oswego Community Unit District # 308 is responsible for providing updated floorplans if it is desired to have floorplans marked with exact sampling locations.

Cost of Service

Hygieneering Labor & Report Services

Hygieneering proposes to conduct the scope of work, as discussed above, for a fixed fee of \$11,500.00. This includes all associated analysis fees for up to 96 water samples for lead on standard turnaround.

Authorization and Acceptance

Please review the following terms and conditions and do not hesitate to contact us with any questions. Please sign in the designated area below and e-mail me with confirmation or fax this document back to my attention at (630) 789-3813. We look forward to meeting and exceeding your professional expectations for this project's performance.

Respectfully,

Hygieneering, Inc.

Bob Anderson, CSP, CHMM Director, Environmental Services

ACCEPTANCE BY: Oswego Community Unit District # 308

Signature	Print Name & Title	Date

Pno. 163214



HYGIENEERING, INC. GENERAL TERMS AND CONDITIONS

- 1. These General Terms and Conditions are an integral part of the Proposal dated July 11, 2016 to Oswego Community Unit District # 308 (hereinafter the "Client") and supersede any and all conflicting Client Terms and Conditions
- 2. The term "Hygieneering" shall mean Hygieneering, Inc.
- 3. This proposal is valid for thirty (30) days from the date above written. Upon execution by the Client, this Proposal, including these Terms and Conditions, shall become our Agreement for Professional Services. Any additions, deletions, or changes to this Proposal or these Terms and Conditions by the Client shall be subject to an acceptance in writing prior to execution of work by Hygieneering. Allowing Hygieneering to commence work or preparation of work will constitute acceptance by Client of this proposal and all of its Terms and Conditions.
- 4. Client acceptance of this proposal in writing, via email, a purchase order or other mechanism, followed by client canceling or delaying work after Hygieneering has incurred costs to commence accepted work will require client to be charged and pay for such expenses incurred, regardless if the work is performed.
- 5. (a) The scope of the project shall be only that as is described in this Agreement and include all and only such work as Hygieneering deems necessary to carry out and complete the project. The project scope shall not be altered except by mutual agreement and proper written authorization to proceed via change order or contract modification.
 - (b) Unless otherwise expressly agreed, the fees and charges for the project as set forth in this Agreement constitute and are based on Hygieneering's best estimates of time and effort required to complete the project.
 - (c) The Client warrants that Hygieneering will be able to proceed with the project without delay or interruption.
 - (d) For those projects involving conceptual project development work, activities are often not fully definable in the initial planning. As the project progresses, the facts uncovered may dictate a change in direction which may alter the scope. Hygieneering will inform the client of identified unusual situations so that negotiation of change in scope can be accomplished if required.
 - (e) If, during the course of the prescribed work, additional services are requested, such additional scope of work and compensation shall be agreed to in writing prior to undertaking additional work. If, for any reason additional services, are requested by the Client, and Hygieneering delivers them in good faith without written authorization, Hygieneering shall be compensated in accordance with its then prevailing fee schedule or rate sheet as applicable.
- 6. Estimates, opinions and statement of probable construction costs prepared by Hygieneering are its best judgment as a design professional and are supplied for the general guidance of the Client. As Hygieneering has no control over the costs of labor and material, contractor bid and costing methods, or over competitive market conditions, Hygieneering cannot and does not guarantee that such estimates will not vary from contractor's bids or actual cost to the client.
- 7. Hygieneering shall not be responsible for a Contractor's construction means, methods, techniques, warranties, sequence or procedures, or for safety precautions and programs in or for the safety and integrity of any such Contractors; or third persons work, or for the act or omissions of any Contractor or third person, or their agents or employees
- 8. (a) Hygieneering makes no warranty, either expressed or implied, as to its findings, design, recommendations, plans, drawings, calculations, specifications, or professional advice except that they have been prepared in accordance with current generally accepted professional practices.
 - (b) The Client shall make no demand for liquidated or actual damages for delays.
 - (c) The Client will make no demand for damages resulting from loss of use or lost business opportunities due to delays.
- 9. Drawings, calculations, and specifications developed by Hygieneering as instruments of service for this project are and shall remain at all times the exclusive property of Hygieneering until they are paid for in full.
- 10. (a) Unless stated otherwise in the proposal, the Client shall pay Hygieneering as the work proceeds, with fees and other project costs invoiced as the work progresses. Terms shall be net thirty (30) days. Overdue accounts are subject to a service charge of 1.5 percent per month on the unpaid balance. This is an annual rate of 18 percent.
 - (b) Invoices shall be considered correct as rendered if not questioned in writing within ten (10) calendar days of the date of the invoice.
 - (c) Failure to pay any invoice when due shall entitle Hygieneering to suspend or terminate all work on the project, at its option. In the event of such suspension or termination, Client waives all rights, claims, etc., which it might otherwise have against Hygieneering as a direct or indirect result of such suspension or termination.
 - (d) Should Hygieneering bring any action or proceeding at law or in equity to enforce payment of unpaid invoices, together with any and all service charges, and if Hygieneering recovers judgment in any sum, Hygieneering shall also recover as reasonable counsel fees 40 percent of the amount decreed due for principal, service charges and interest, as well as litigation and collection expenses, witness fees and court costs.
- 11. Hygieneering shall not be liable for an omission causing an increase in the cost of the related project which may have been a required part of the related project had Hygieneering not made the omission.
- 12. (a) This Agreement may be terminated by either party upon ten (10) days written notice should the other party fail substantially to perform in accordance with its terms.
 - (b) In the event this Agreement is terminated, Hygieneering shall be paid its compensation for services performed to the termination date, including reimbursable expenses and termination expenses, pursuant to this paragraph.
- 13. (a) Neither party shall hold the other responsible for damages or delay caused by acts of God, strikes, lockouts, accidents, or other events beyond the party's control.
 - (b) Hygieneering will not be responsible for special, accidental or consequential damages. Nor shall it be responsible for damage to its work caused by other parties.
 - (c) Under no circumstances will Hygieneering be liable for damages of any kind in excess of the value of this agreement.
- 14. In the event any provisions of this agreement shall be held to be invalid and unenforceable, the remaining provisions shall be valid and binding upon the parties. One or more waivers by either party of any provisions, terms, condition, or covenant shall not be construed by the other party as a waiver of a subsequent breach of the same by the other party.
- 15. This Agreement shall be binding upon both parties and their respective successors, assigns, and personal representative. Neither party shall assign its or his interest in this Agreement without written consent of the other.
- 16. The client named on this proposal/contract agrees that Hygieneering, Inc. incurs substantial recruiting, screening, training, administrative and marketing expenses in connection with the Hygieneering, Inc. employee(s) that it will provide to deliver EHS services for this proposal/ contract. The client agrees that if the client hires, directly or indirectly, any Hygieneering, Inc. employee within 365 days of the contracted service, the client will pay \$50,000 to Hygieneering, Inc.
- 17. Insurance Fees- A 1.8% insurance fee will be billed based on the total value of this project work. Any other special insurance requirements of the client that cost over and beyond what our extensive coverage currently offers will be billed to the client for this project work.
- 18. This Agreement constitutes the entire and integrated Agreement between the Client and Hygieneering, and supersedes all prior negotiations, representations or agreements, whether written or oral except as are specifically incorporated by reference. This Agreement may not be amended except by written instrument signed by Hygieneering.
- 19. This Agreement shall be governed by the laws of the State of Illinois.

Email: rallison@sd308.org

Industrial hygiene, safety and environmental consulting services

(630)654-2550

August 16, 2016

Rob Allison Assistant Director, SD 308 Operations Oswego Community Unit District #308 71 Stonehill Rd. Oswego, IL 60543

Re: Domestic Potable Water Sampling for Lead and Copper

Baseline Screening for Drinking Fountains in 23 Buildings

Hygieneering Project # 2016-2839-EA

Dear Mr. Allison:

Hygieneering, Inc. (Hygieneering) was retained by Oswego Community Unit District #308 to provide environmental testing and consulting services. Hygieneering conducted proactive potable water quality sampling at schools that comprise the Oswego School District 308. The purpose of this study was not intended for water quality compliance monitoring. The purpose of this study was to conduct proactive water quality sampling for informational purposes. Hygieneering conducted the following tasks as part of this project:

Scope of Work

Hygieneering conducted the following services:

Hygieneering collected water samples from pre-determined potable water fixtures throughout the following schools that comprise Oswego Community Unit District #308:

- Boulder Hill Elementary
- Churchill Elementary
- Brokaw Early Learning Center
- East View Elementary
- Fox Chase Elementary
- Grande Park Elementary
- Homestead Elementary
- Hunt Club Elementary School
- Lakewood Creek Elementary
- Long Beach Elementary
- Old Post Elementary
- Prairie Point Elementary

- Southbury Elementary School
- The Wheatland Elementary School
- Wolf's Crossing Elementary School
- Bednarick Junior High School
- Murphy Junior High School
- Plank Junior High School
- Thompson Junior High School
- Traughber Junior High School
- Oswego East High School
- Oswego High School
- O3C (308Center)
- 1. One, first draw water sample was collected from each pre-determined water fixture from each of the above referenced schools/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).
- 2. A total of one hundred fifteen (115) water samples were collected and submitted to a drinking water accredited laboratory for lead and copper analysis. Per request of the client, samples were analyzed on standard seven to ten laboratory business day's turnaround.



- 3. Analytical results were compared to the Environmental Protection Agency's (EPA) National Primary Drinking Water Regulations (NPDWR) or Primary Standards.
- 4. 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, Characteristics and Rationale

Per the request of the Oswego Community Unit District #308, Hygieneering collected water samples for laboratory analysis for lead and copper. Lead in drinking water is commonly associated with corrosion of plumbing systems or erosion of natural deposits. Copper in drinking water systems can be an indicator of corrosivity of water on piping systems, (source: United Stated Environmental Protection Agency Drinking Water Contaminants –Standards and Regulations, January 6, 2016).

Oswego Community Unit District #308 initiated this water sampling project on a proactive basis to assess its water quality.

For schools, the US EPA established a guidance document that utilizes an AL of 0.020 ppm or 20 ppb rather than the US EPA enforceable 15 ppb (source: "3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance" dated 2006. This manual contains recommendations on how to address lead in school drinking water systems; these are suggestions only and are not requirements. Again, unless the facility is a PWS, there is no federal law requiring testing of drinking water in schools.

Hygieneering compared lead to the AL of 15 ppb and copper to the AL of 1300 ppb. Hygieneering compared laboratory analytical results to the Lead-Copper Rule AL for lead at 15 ppb, rather than 20 ppb since the Lead-Copper Rule AL is the US EPA's regulated concentration for lead whereas the school's AL is a value based on a guidance document not regulatory requirements. Additionally, 15 ppb is more conservative for comparison.

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.

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.

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 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. For PWS, 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).

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.

Project Activities

Hygieneering collected water samples from various pre-determined fixtures (drinking fountains, sinks, backflow preventers). Specific locations were selected by the Hygieneering Technician. All samples were analyzed for lead and copper. Water samples were collected at the following schools/buildings:

- Boulder Hill Elementary
- Churchill Elementary
- Brokaw Early Learning Center
- East View Elementary
- Fox Chase Elementary
- Grande Park Elementary
- Homestead Elementary
- Hunt Club Elementary School
- Lakewood Creek Elementary
- Long Beach Elementary
- Old Post Elementary
- Prairie Point Elementary

- Southbury Elementary School
- The Wheatland Elementary School
- Wolf's Crossing Elementary School
- Bednarick Junior High School
- Murphy Junior High School
- Plank Junior High School
- Thompson Junior High School
- Traughber Junior High School
- Oswego East High School
- Oswego High School
- O3C (308Center)

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 Hygieneering Technician Maira Garcia. The water samples were collected in accordance with 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/building. 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.



Hygieneering used the following acronyms for the types of fixtures sampled as follows:

Type of fixture sampled:
Drinking Fountain (DF)
Hallway drinking fountain (HDF)
Classroom Sink (CS)
Bathroom sink (BS)
Kitchen sink (KS)

Hygieneering sample identification protocol was as follows:

Last 4 digits of School Address-Location/Room-Type of Fixture

Example: 7950-RM13-DF = drinking fountain located in room 13

For multiple fixtures in one location/room, Hygieneering identified the fixture by A, B, C, etc. in which the letter designates a specific location within the room.

Example: 7950-RM13-CS-A = Left classroom sink located in classroom 13.

Adjustments, as necessary, were made to the sample labeling protocol based on site specific floor plans.

July 18, 19 and 20, 2016 Sampling Event

Maira Garcia, Safety and Health Technician of Hygieneering, conducted fieldwork on July 18 - July 20, 2016. Hygieneering collected water samples from one hundred fifteen (115) pre-determined potable water fixtures from the above referenced schools/buildings. A total of one hundred fifteen (115) 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 turn around time. Table 1 is an example of the type of information collected for each sample.

	Table 1										
Building	Hygieneering Sample ID	Laboratory Sample ID	Type of Fixture	Description of Fixture and Location							
Boulder Elementary	DF1	1606H69-001	Hallway Drinking Fountain	Left, Wet							
School	KS1	1606H69-006	Kitchen Sink	Room 172							
Fox Chase Elementary	DF1	1606H70-001	Hallway Drinking Fountain	Across B-3/G-3, Wet							
School	KS1	1606H70-002	Kitchen sink	Room 33C							

Sample Results & Interpretation

Laboratory analytical tables for each school/building 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/building for each sampling event are included in **Appendix B**. Laboratory analytical reports are included in **Appendix C**.

In summary, the data indicated that the water fixtures sampled in the building used by students, facility and others are all below EPA's action levels for lead and copper. Several Backflow Preventer sampling locations had results above the lead action level. However, these results are likely due to inactivity of valves at these locations.



Conclusions and Recommendations

Hygieneering conducted a proactive evaluation of potable water quality for lead and copper selected by Oswego Community Unit District #308. 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 data indicated that the water fixtures sampled in the buildings used by students, facility and others are all below EPA's action levels for lead and copper. The analytical results indicate a number of exceedances of EPA's Primary Standard AL for lead in solely the first draw water sample collected from the Backflow Preventers at many schools. This data suggests that the elevated lead concentrations are likely associated with inactivity of the Backflow Preventer test valves. This will be verified at a later date by flushing the test valve from the Backflow Preventer and then sampling after the six hour hold time.

Hygieneering recommends the following for your consideration:

• Continue with proactive measures of periodically evaluating water quality in the Oswego Community Unit District #308

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.

Respectfully submitted, **Hygieneering**, Inc.

Bob Anderson, CSP, CHMM Director, Environmental Services

John Feller, CIH, CSP

President



APPENDIX A

LABORATORY ANALYTICAL TABLES

Boulder Hill Elementary
Main Building

Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	Lead MCL (ppb)
163-23-BFP	Boulder	Room 23	Х	163-23-BFP	Back Flow Pump	19-Jul	ND	1,300	9.15	15
163-46-DF1	Boulder	Hallway by Rm 46	Х	163-46-DF1	Drinking Fountain	19-Jul	ND	1,300	ND	15
163-B-DF2L	Boulder	Hallway by Rm 11	Х	163-B-DF2L	Drinking Fountain	19-Jul	179	1,300	ND	15
163-18-DF3	Boulder	Hallway by Rm 18	Х	163-18-DF3	Drinking Fountain	19-Jul	ND	1,300	ND	15
163-38-DF4	Boulder	Hallway by Rm 38 (Caffereria/Gym)	х	163-38-DF4	Drinking Fountain	19-Jul	153	1,300	ND	15

Churchill Elementary	
Main Building	

Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	<u>Lead MCL</u> (ppb)
520-A140-BFP	Churchill	Room A140	Х	520-A140-BFP	Back Flow Pump	18-Jul	179	1,300	54.8	15
520-A114-DF1L	Churchill	Hallway by Rm A114	Х	520-A114-DF1L	Drinking Fountain	18-Jul	643	1,300	ND	15
520-A131-DF2U	Churchill	Hallway by Rm A131	Х	520-A131-DF2U	Drinking Fountain	18-Jul	620	1,300	ND	15
520-A231-DF3L	Churchill	Hallway by Rm A231	Х	520-A231-DF3L	Drinking Fountain	18-Jul	480	1,300	ND	15
520-B121-DF4U	Churchill	Hallway by Rm B121	Х	520-B121-DF4U	Drinking Fountain	18-Jul	1,210	1,300	ND	15

	Brokaw Early Learning Center Main Building											
Equip. Number Building Location Location Smells, etc.) Notes (Discoloration, Smells, etc.) *Hygieneering Sample ID *Hygieneering Sink direction (N,S,E,W; left or right; landmark, etc. Date Copper Result (ppb) Copper MCL (ppb) Lead Result (ppb) (<u>Lead MCL</u> (ppb)			
1000-A139-BFP	Brokaw	Room A139	X	1000-A139-BFP	Back Flow Pump	18-Jul	137	1,300	51.4	15		
1000-A130-DF1L	Brokaw	Hallway by Rm A130	Х	1000-A130-DF1L	Drinking Fountain	18-Jul	525	1,300	ND	15		
1000-A135-DF2L	Brokaw	Room A135 (gym)	Х	1000-A135-DF2L	Drinking Fountain	18-Jul	617	1,300	ND	15		
1000-A135-DF3L	Brokaw	Hallway by Rm A135	X	1000-A135-DF3L	Drinking Fountain	18-Jul	432	1,300	ND	15		
1000-A135-DF4U	Brokaw	Hallway by Rm A135	Х	1000-A135-DF4U	Drinking Fountain	18-Jul	329	1,300	ND	15		

	East View Elementary Main Building												
Equip. Number Building Location (Discoloration, Smells, etc.) Sample ID (N,S,E,W; Indeed and Indee									<u>Lead MCL</u> (ppb)				
4209-18-BFP	East View	Room 18	Х	4209-18-BFP	Back Flow Pump	19-Jul	ND	1,300	ND	15			
4209-17-DF1L	East View	Hallway by Rm 17	Х	4209-17-DF1L	Drinking Fountain	19-Jul	ND	1,300	ND	15			
4209-29-DF2U	East View	Hallway by Rm 29 (Gym)	Х	4209-29-DF2U	Drinking Fountain	19-Jul	242	1,300	ND	15			
4209-31-DF3L	East View	Hallway by Rm 31	Х	4209-31-DF3L	Drinking Fountain	19-Jul	ND	1,300	ND	15			
4209-65-DF4L	East View	Hallway by Rm 65	Х	4209-65-DF4L	Drinking Fountain	19-Jul	ND	1,300	ND	15			

Fox Chase Elementary	
Main Building	

Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	<u>Lead MCL</u> (ppb)
BFP-260	Fox Chase	Sprinkler/Maintenace Room	X	BFP-260	Back Flow Pump	20-Jul	ND	1,300	20.7	15
DF1-260	Fox Chase	Room 122 (Gym)	X	DF1-260	Drinking Fountain	20-Jul	337	1,300	ND	15
DF2-260	Fox Chase	Hallway by Rm 174	X	DF2-260	Drinking Fountain	20-Jul	447	1,300	ND	15
DF3-260	Fox Chase	Hallway by Rm 228	Х	DF3-260	Drinking Fountain	20-Jul	239	1,300	ND	15
DF4-260	Fox Chase	Hallway by Rm 191	Х	DF4-260	Drinking Fountain	20-Jul	333	1,300	ND	15

Grande Park Elementary
Main Building

Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	<u>Lead MCL</u> (ppb)
BFP-26933	Grande Park	Across Rm A147	Х	BFP-26933	Sink Near Back Flow	20-Jul	108	1,300	ND	15
DF1-26933	Grande Park	Hallway by Rm A110	Х	DF1-26933	Drinking Fountain	20-Jul	ND	1,300	ND	15
DF2-26933	Grande Park	Hallway by Rm A155	Х	DF2-26933	Drinking Fountain	20-Jul	160	1,300	ND	15
DF3-26933	Grande Park	Between Rm 230 &	Х	DF3-26933	Drinking Fountain	20-Jul	ND	1,300	ND	15
DF4-26933	Grande Park	Room C109 (Gym)	Х	DF4-26933	Drinking Fountain	20-Jul	205	1,300	ND	15

Homestead Elementary	/
Main Building	

Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	<u>Lead Result</u> (ppb)	<u>Lead MCL</u> (ppb)
2830-114A-BFP	Homestead	Room 114A	Х	2830-114A-BFP	Back Flow Pump	18-Jul	ND	1,300	173	15
2830-121-DF1	Homestead	Room 121 (Gym)	Х	2830-121-DF1	Drinking Fountain	18-Jul	ND	1,300	ND	15
2830-188A-DF2U	Homestead	Hallway by Rm 188A	Х	2830-188A-DF2U	Drinking Fountain	18-Jul	252	1,300	ND	15
2830-210-DF3	Homestead	Hallway by Rm 210	Х	2830-210-DF3	Drinking Fountain	18-Jul	169	1,300	ND	15
2830-154-DF4	Homestead	Hallway by Rm 154	Х	2830-154-DF4	Drinking Fountain	18-Jul	171	1,300	ND	15

	Hunt Club Elementary Main Building											
Equip. Number	Building	Location	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	<u>Lead Result</u> (ppb)	<u>Lead MCL</u> (ppb)		
4001-A128-BFP	Hunt Club	Room A123	Х	4001-A128-BFP	Back Flow Pump	18-Jul	258	1,300	13.5	15		
4001-B121-DF1	Hunt Club	Hallway by Rm B121	Х	4001-B121-DF1	Drinking Fountain	18-Jul	264	1,300	ND	15		
4001-A115-DF2L	Hunt Club	Hallway by Rm A115	Х	4001-A115-DF2L	Drinking Fountain	18-Jul	120	1,300	ND	15		
4001-A119-DF3	Hunt Club	Hallway by Rm A119	Х	4001-A119-DF3	Drinking Fountain	18-Jul	ND	1,300	ND	15		
163-38-DF4U	Hunt Club	Hallway by Rm A229	Х	163-38-DF4U	Drinking Fountain	18-Jul	161	1,300	ND	15		

		Creek Elementary n Building					
٦,	*Hygieneering	Location Description sink direction (N,S,E,W;	<u>Date</u>	Copper Result	Copper MCL	Lead Result	Lead MCL

Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	<u>Lead MCL</u> (ppb)
BFP-2301	Lakewood	Room 23	Х	BFP-2301	Back Flow Pump	20-Jul	1,670	1,300	409	15
DF1-2301	Lakewood	Hallway by Rm 141	Х	DF1-2301	Drinking Fountain	20-Jul	558	1,300	ND	15
DF2-2301	Lakewood	Hallway by Rm 210	X	DF2-2301	Drinking Fountain	20-Jul	ND	1,300	ND	15
DF3-2301	Lakewood	Hallway by Rm 153	X	DF3-2301	Drinking Fountain	20-Jul	248	1,300	ND	15
DF4-2301	Lakewood	Hallway by Rm 112	X	DF4-2301	Drinking Fountain	20-Jul	333	1,300	ND	15

	Long Beach Elementary Main Building												
<u>Equip.</u> <u>Number</u>	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	Lead MCL (ppb)			
67-123-BFP	Long Beach	Room 123	Х	67-123-BFP	Back Flow Pump	19-Jul	1,100	1,300	456	15			
67-123-DF1U	Long Beach	Hallway by Rm 123	Х	67-123-DF1U	Drinking Fountain	19-Jul	575	1,300	ND	15			
67-104-DF2	Long Beach	Hallway by Rm 104	Х	67-104-DF2	Drinking Fountain	19-Jul	353	1,300	ND	15			
67-111-DF3	Long Beach	Hallway by Rm 111	Х	67-111-DF3	Drinking Fountain	19-Jul	655	1,300	ND	15			
67-G-DF4L	Long Beach	Gym	Х	67-G-DF4L	Drinking Fountain	19-Jul	464	1,300	ND	15			

	Old Post Elementary Main Building												
Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	<u>Lead Result</u> (ppb)	<u>Lead MCL</u> (ppb)			
3650-A140-BFP	Old Post	Boiler Room	Х	3650-A140-BFP	Back Flow Pump	20-Jul	ND	1,300	30.7	15			
3650-C105-DF1	Old Post	Hallway by Rm 122	Х	3650-C105-DF1	Drinking Fountain	20-Jul	537	1,300	ND	15			
3650-B121-DF2	Old Post	Hallway by Rm 217B	Х	3650-B121-DF2	Drinking Fountain	20-Jul	597	1,300	ND	15			
3650-A114-DF3L	Old Post	Room 121	Х	3650-A114-DF3L	Drinking Fountain	20-Jul	305	1,300	ND	15			
3650-A231-DF4U	Old Post	Room 400	Х	3650-A231-DF4U	Drinking Fountain	20-Jul	351	1,300	ND	15			

Prairie Point Elementary
Main Building

Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	Lead MCL (ppb)
3650-A140-BFP	Prairie Point	Room A140	Х	3650-A140-BFP	Back Flow Pump	20-Jul	ND	1,300	30.7	15
3650-C105-DF1	Prairie Point	Room C105	Х	3650-C105-DF1	Lower drinking fountain in	20-Jul	537	1,300	ND	15
3650-B121-DF2	Prairie Point	Hallway by Rm B121	Х	3650-B121-DF2	Drinking Fountain	20-Jul	597	1,300	ND	15
3650-A114-DF3L	Prairie Point	Hallway by Rm A114	Х	3650-A114-DF3L	Drinking Fountain	20-Jul	305	1,300	ND	15
3650-A231-DF4U	Prairie Point	Hallway by Rm A231	Х	3650-A231-DF4U	Drinking Fountain	20-Jul	351	1,300	ND	15

Southbury Elementary School
Main Building

Equip. Number	<u>Building</u>	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	Lead MCL (ppb)
820-A140-BFP	Southbury	Room A140	Х	820-A140-BFP	Back Flow Pump	19-Jul	331	1,300	101	15
820-B121-DF1	Southbury	Hallway by Rm B121	X	820-B121-DF1	Drinking Fountain	19-Jul	ND	1,300	ND	15
820-A119-DF2	Southbury	Room A119	Х	820-A119-DF2	Drinking Fountain	19-Jul	ND	1,300	ND	15
820-A215-DF3L	Southbury	Hallway by Rm A215	X	820-A215-DF3L	Drinking Fountain	19-Jul	536	1,300	ND	15
820-B121-DF4	Southbury	Hallway by Rm B121	X	820-B121-DF4	Drinking Fountain	19-Jul	204	1,300	ND	15

	The Wheatlands Elementary Main Building										
Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	<u>Lead MCL</u> (ppb)	
2290-MaintBFP	Wheatlands	Maintenance Rm	Х	2290-MaintBFP	Back Flow Pump	18-Jul	ND	1,300	17.7	15	
2290-121-DF1	Wheatlands	Room 121	Х	2290-121-DF1	Drinking Fountain	18-Jul	ND	1,300	ND	15	
2290-108-DF2	Wheatlands	Hallway by Rm 108	Х	2290-108-DF2	Drinking Fountain	18-Jul	ND	1,300	ND	15	
2290-204-DF3	Wheatlands	Hallway by Rm 204	Х	2290-204-DF3	Drinking Fountain	18-Jul	ND	1,300	ND	15	
2290-193-DF4L	Wheatlands	Hallway by Rm 193	Х	2290-193-DF4L	Drinking Fountain	18-Jul	425	1,300	ND	15	

	Wolf's Crossing Elementary Main Building											
Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	<u>Lead MCL</u> (ppb)		
3015-A140-BFP	Wolf's Crossing	Room A140	Х	3015-A140-BFP	Back Flow Pump	18-Jul	213	1,300	73.3	15		
3015-A214-DF1L	Wolf's Crossing	Hallway by Rm A214	Х	3015-A214-DF1L	Drinking Fountain	18-Jul	166	1,300	ND	15		
3015-B121-DF2	Wolf's Crossing	Hallway by Rm B121	Х	3015-B121-DF2	Drinking Fountain	18-Jul	109	1,300	ND	15		
3015-C105-DF3L	Wolf's Crossing	Room C105	Х	3015-C105-DF3L	Drinking Fountain	18-Jul	153	1,300	ND	15		
3015-B121-DF4	Wolf's Crossing	Hallway by Rm B121	Х	3015-B121-DF4	Drinking Fountain	18-Jul	120	1,300	ND	15		

				Bednarcik Main Bu						
Equip. Number	<u>Building</u>	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	<u>Lead Result</u> (ppb)	<u>Lead MCL</u> (ppb)
3025-1110-BFP	Bednarcik	Room 1110	Х	3025-1110-BFP	Back Flow Pump	18-Jul	9.50	1,300	ND	15
3025-2065E-DF1U	Bednarcik	Hallway by Rm 2065E	Х	3025-2065E-DF1U	Drinking Fountain	18-Jul	ND	1,300	225	15
3025-1284D-DF2	Bednarcik	Hallway by Rm 1284E	Х	3025-1284D-DF2	Drinking Fountain	18-Jul	ND	1,300	175	15
3025-1223A-DF3	Bednarcik	Room 1223A (Gym)	Х	3025-1223A-DF3	Drinking Fountain	18-Jul	ND	1,300	173	15

3025-1112-DF4

Χ

Drinking Fountain

18-Jul

ND

1,300

251

15

Bednarcik

Room 1112 (Cafeteria)

3025-1112-DF4

	Murphy Jr. High Main Building										
Equip. Number	Building	Location	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	<u>Lead MCL</u> (ppb)	
BFP-26923	Murphy	Room A103	Х	BFP-26923	Back Flow Pump	20-Jul	131	1,300	1,140	15	
DF1-26923	Murphy	Hallway by Rm 116 (Cafeteria)	Х	DF1-26923	Drinking Fountain	20-Jul	398	1,300	ND	15	
DF2-26923	Murphy	Hallway by Rm D104	Х	DF2-26923	Drinking Fountain	20-Jul	604	1,300	ND	15	

Drinking Fountain

Drinking Fountain

20-Jul

20-Jul

321

496

ND

ND

1,300

1,300

15

15

DF3-26923

DF4-26923

Murphy

Murphy

Outside of Rm F220

Mezzanine by room C201

Х

Χ

DF3-26923

DF4-26923

Plank Jr. High Main Building										
Equip. Number	Building	Location	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	<u>Lead Result</u> (ppb)	<u>Lead MCL</u> (ppb)
510-A104-BFP	Plank	Room A104	Х	510-A104-BFP	Back Flow Pump	19-Jul	ND	1,300	9.27	15
510-C128-DF1U	Plank	Hallway by Rm C128	Х	510-C128-DF1U	Drinking Fountain	19-Jul	377	1,300	ND	15
510-F101-DF2L	Plank	Hallway by Rm F101	Х	510-F101-DF2L	Drinking Fountain	19-Jul	602	1,300	ND	15
510-D223-DF3U	Plank	Hallway by Rm D223	Х	510-D223-DF3U	Drinking Fountain	19-Jul	740	1,300	ND	15

510-D101-DF4L

Х

Drinking Fountain

19-Jul

470

1,300

ND

15

510-D101-DF4L

Plank

Hallway by Rm D101

Thompson Jr. High
Main Building

Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	<u>Lead Result</u> (ppb)	<u>Lead MCL</u> (ppb)
440-1102-BFP	Thompson	Room 1102	Х	440-1102-BFP	Back Flow	19-Jul	245	1,300	35.5	15
440-1169-DF1	Thompson	Hallway by Rm 1169	Х	440-1169-DF1	Drinking	19-Jul	486	1,300	ND	15
440-1203-DF2	Thompson	Hallway by Rm 1203	Х	440-1203-DF2	Drinking	19-Jul	472	1,300	ND	15
440-2125	Thompson	Hallway by Rm 2125	Х	440-2125	Drinking	19-Jul	640	1,300	ND	15
440-2368-DF4L	Thompson	Hallway by Rm 2368	Х	440-2368-DF4L	Drinking	19-Jul	498	1,300	ND	15

Traughber Jr. High
Main Building

Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	<u>Lead MCL</u> (ppb)
570-A104-BFP	Traughber	Room A104	Х	570-A104-BFP	Back Flow Pump	20-Jul	171	1,300	ND	15
570-A116-DF1L	Traughber	Hallway by Rm A116	Х	570-A116-DF1L	Drinking Fountain	20-Jul	601	1,300	ND	15
570-C140-DF2	Traughber	Hallway by Rm C140	Х	570-C140-DF2	Drinking Fountain	20-Jul	352	1,300	ND	15
570-F121-DF3U	Traughber	Hallway by Rm F121	Х	570-F121-DF3U	Drinking Fountain	20-Jul	368	1,300	ND	15
570-D223-DF4L	Traughber	Hallway by Rm D223	Х	570-D223-DF4L	Drinking Fountain	20-Jul	470	1,300	ND	15

	Oswego East High School Main Building										
Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	<u>Lead Result</u> (ppb)	<u>Lead MCL</u> (ppb)	
1525-C119-BFP	Oswego East	Room C119	Х	1525-C119-BFP	Back Flow Pump	18-Jul	ND	1,300	7.54	15	
1525-C121-DF1	Oswego East	Room C121	Х	1525-C121-DF1	Drinking Fountain	18-Jul	248	1,300	ND	15	
1525-E280-DFB	Oswego East	Hallway by Rm E280	Х	1525-E280-DFB	Water Bottle Station	18-Jul	515	1,300	ND	15	
1225-E380-DF2U Oswego East Hallway by Rm E380 x 1225-E380-DF2U Drinking Fountain 18-Jul								1,300	ND	15	
1525-Field-DF3U	Oswego East	By Football field	Х	1525-Field-DF3U	Drinking Fountain	18-Jul	ND	1,300	ND	15	

	Oswego High School Main Building										
Equip. Number	Building	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	Lead MCL (ppb)	
4250-27B-BFP	Oswego High	Room 27B	Х	4250-27B-BFP	Back Flow Pump	20-Jul	203	1,300	178	15	
4250-24W-D	Oswego High	Hallway by Rm 24W (womens restroom)	Х	4250-24W-D	Water Bottle Station	20-Jul	418	1,300	ND	15	
4250-55-DF2	Oswego High	Room 55 (field house)	Х	4250-55-DF2	Drinking Fountain	20-Jul	133	1,300	ND	15	
4250-142M-DF3L	Oswego High	Hallway by Rm 142M (mens restroom)	Х	4250-142M-DF3L	Drinking Fountain	20-Jul	190	1,300	ND	15	
4250-200W-DF4L	Oswego High	Hallway by Rm 200W (womens restroom)	Х	4250-200W-DF4L	Drinking Fountain	20-Jul	681	1,300	ND	15	

Oswego 308 Center	
Main Building	

Equip. Number	<u>Building</u>	<u>Location</u>	Notes (Discoloration, Smells, etc.)	*Hygieneering Sample ID	Location Description sink direction (N,S,E,W; left or right; landmark, etc.	<u>Date</u>	Copper Result (ppb)	Copper MCL (ppb)	Lead Result (ppb)	<u>Lead MCL</u> (ppb)
61-A010-BFP	Oswego 308	Room A010	Х	61-A010-BFP	Back Flow Pump	20-Jul	1,480	1,300	128	15
61-GV3-DF1	Oswego 308	Hallway by Rm GV3	X	61-GV3-DF1	Drinking Fountain	20-Jul	256	1,300	ND	15
61-A113-DF2	Oswego 308	Hallway by Rm A113	Х	61-A113-DF2	Drinking Fountain	20-Jul	100	1,300	ND	15
61-A224-DF3	Oswego 308	Hallway by Rm A224	Х	61-A224-DF3	Drinking Fountain	20-Jul	ND	1,300	ND	15
61-A125-DF4	Oswego 308	Hallway by Rm A125	Х	61-A125-DF4	Drinking Fountain	20-Jul	334	1,300	ND	15



APPENDIX B

SCHOOL MAPS



A.C. Upits on ROOF

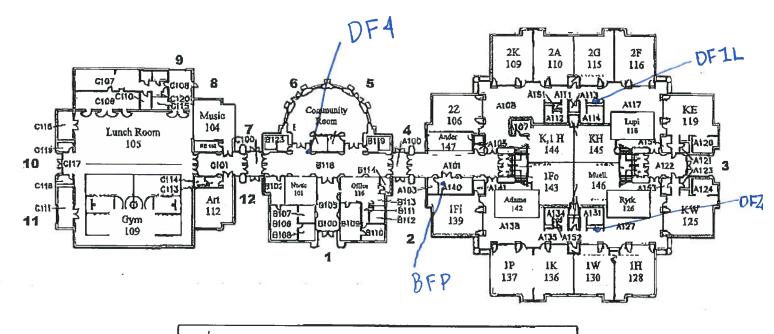
Air handlers

Dapk 13

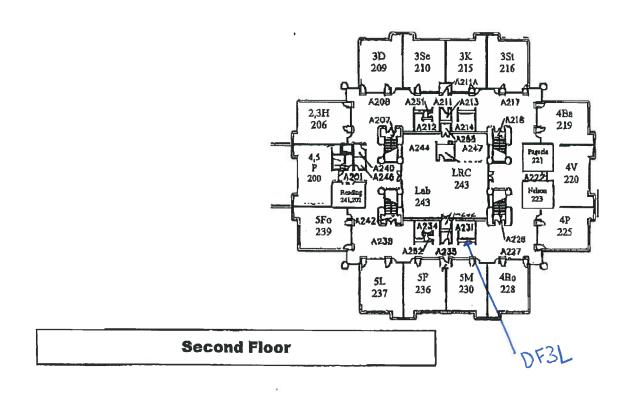
Fire Route

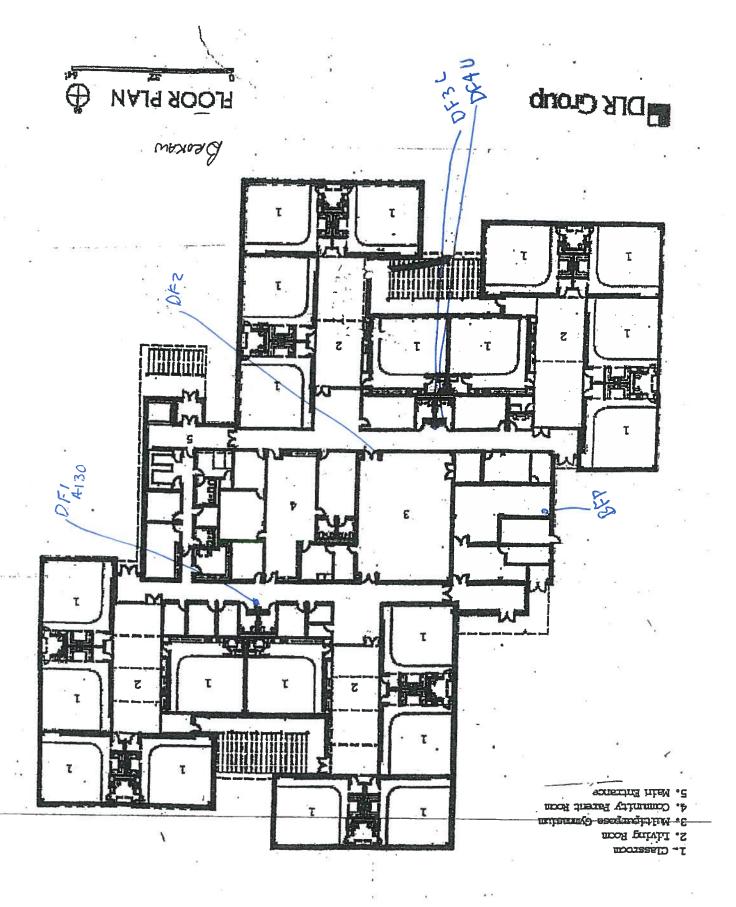
Tornado Shelter Location Alternate Fire Route

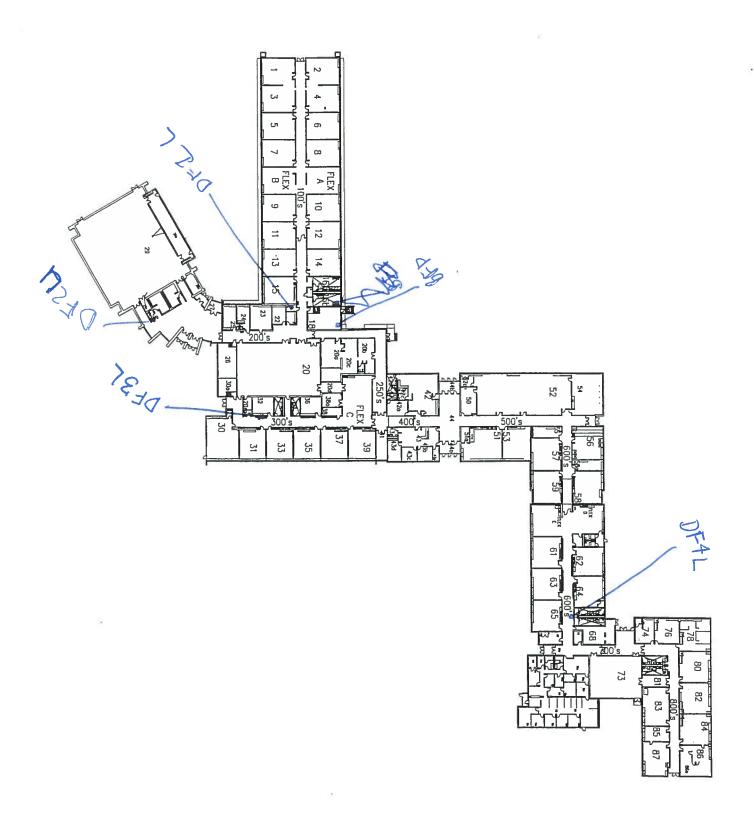
Churchill Elementary School

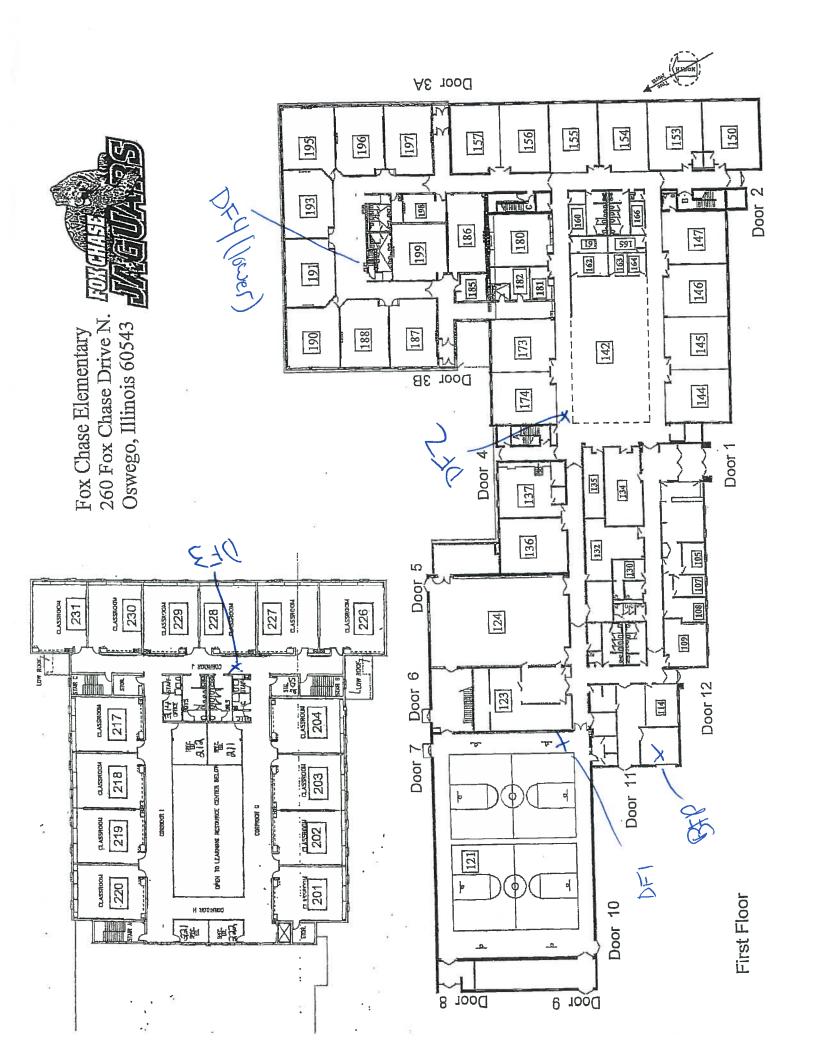


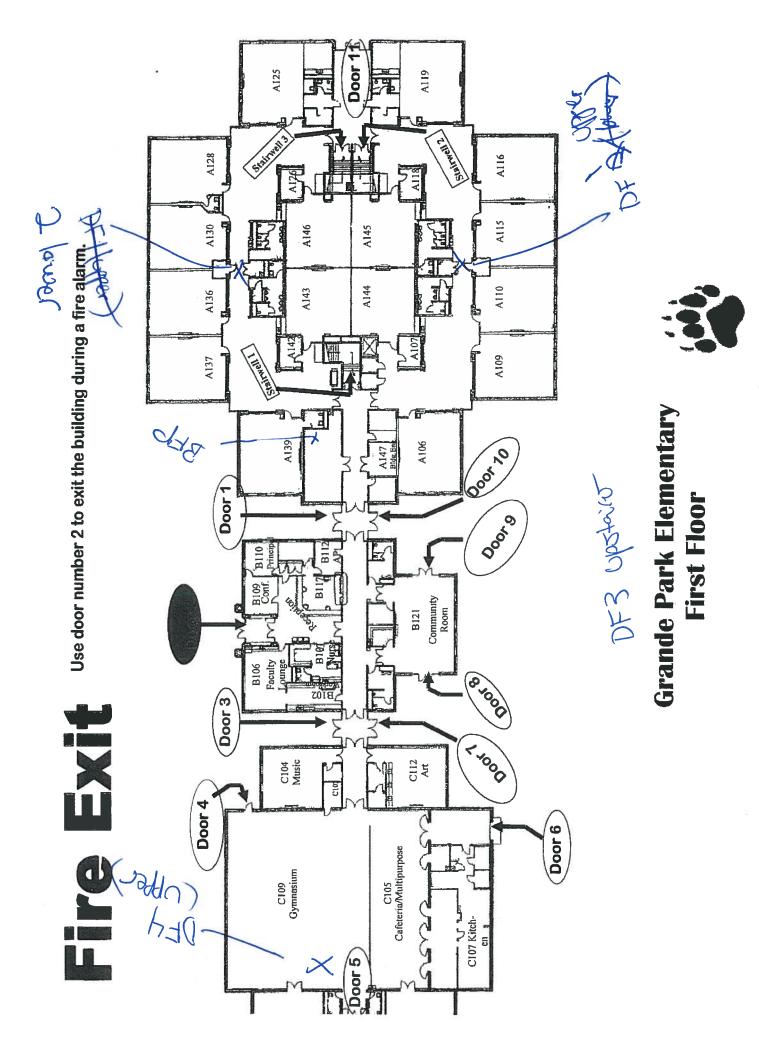
First Floor

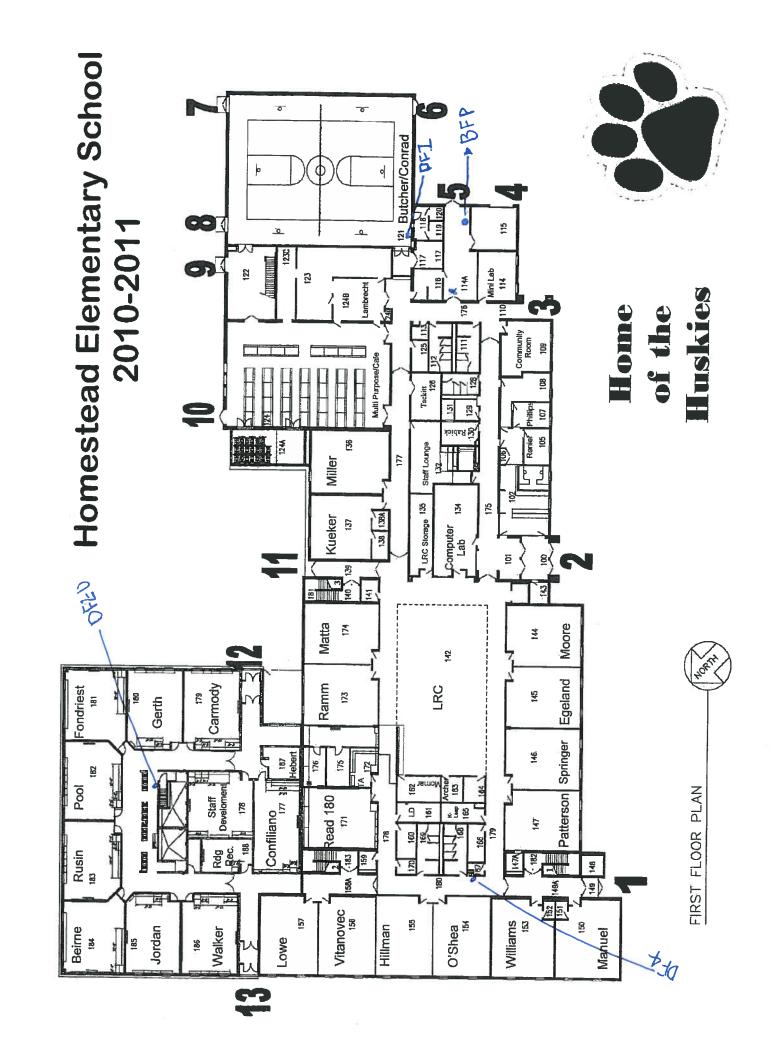


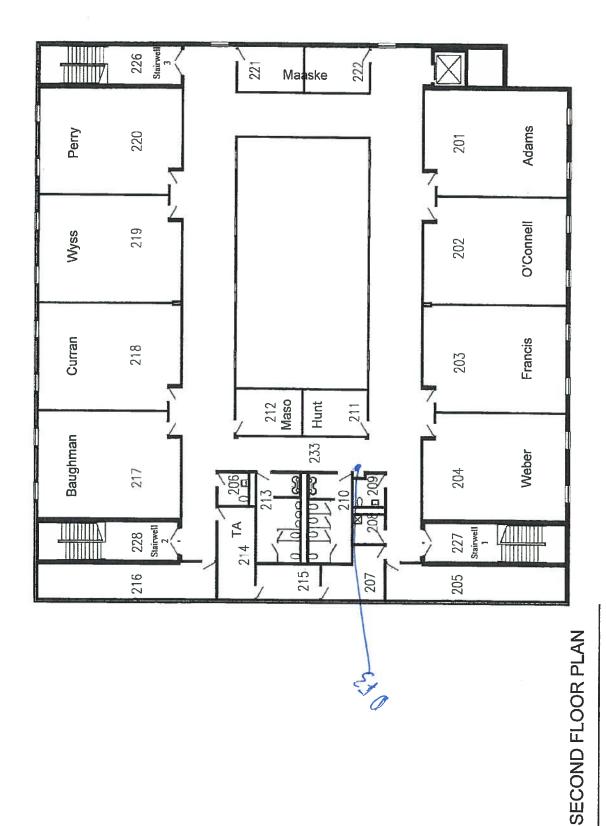












Homestead Elementary School

OE3

Music Kramer, Mary – Room C104 Physical Education Creek, Sam – Room C103 Ormsbee, Rbbin – Room C103 Wiemann, Robert – Room C103

> Ascencio, Nadia (DL) – Room A110 Campos, Rosa (DL) – Room A109

First Grade

Rotunno, Jackie- Room A106

Love, Nicole - Room A108

Melchert, Brittany -- Room A122 Puentes, Stacy -- Room A117

Kirchner, Julie — Room A119

Kindergarten

ELL Mornar, Lynn – Room A126 KCSEC Coordinator
Potsic, Mike
Diagnostic Program
Bonie, Kristen – Room A125
Reuter, Cindy – Room A125

Barboza, Michelle (DL) - Room A137

Second Grade

Benevelli, Michelle – Room A139 Foster, Allison – Room A138 Llarhas, Luisana (DL) – Room A136 Social Worker Hughes, Juanita – Room A120

Cullen, Polly - Room C112

Psychologist Slavin, Lynn – Room A124A Anderson, Karlene - Lab / LRC
Anderson, Karlene - Lab / LRC
Morales, Lorna - DL
Fauth, Sue -- K-LEAP
Kras, Celeste -- Interventions
Matthews, Jeanne - LDR
Lydia Janick -- DL K-LEAP
Olhagaray, Teresa -- DL Reading
Pasakarnis, Nancy -- ILD

KCSEC Teaching Assistants
Arbet, Jeanne (ILD)
Dempsey, Katherine (individual)
Jaros, June (diagnostic)
Randazzo, Lisa (individual)

Office Staff Goldman, Ann Scolt, Sharon Health Specialist Bredeweg, Marta

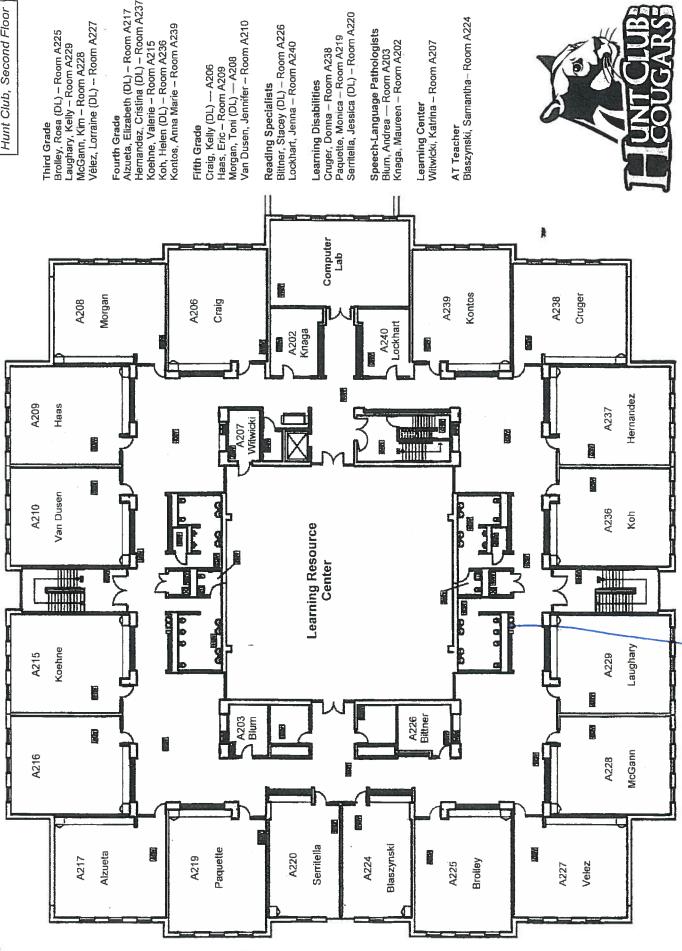
Custodians
White, James — Building Effgineer
Giebel, Theo
Spencer, Brock
Wood, Chip

ICE Students

Student Teacher Austin, Jacob (PE) Aramark Zentmyer, Dawn, Manager Laird, Joanne Manesiotis, Olga Velasquez, Maria

Hunt Club Elementary School Faculty & Staff 2010-2011

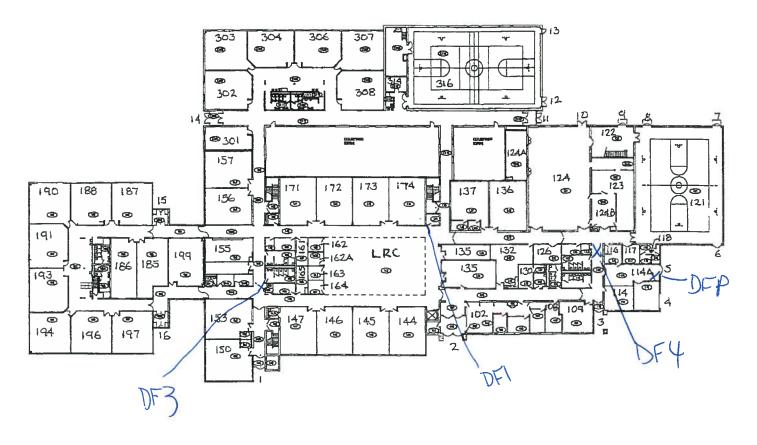
Phil Murray, Principal Kathleen Dineen-Hendricks, Assistant Principal



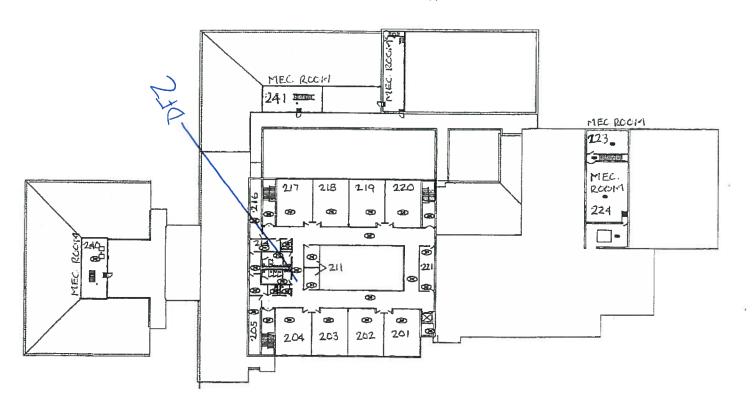
Revised 7/13/2010

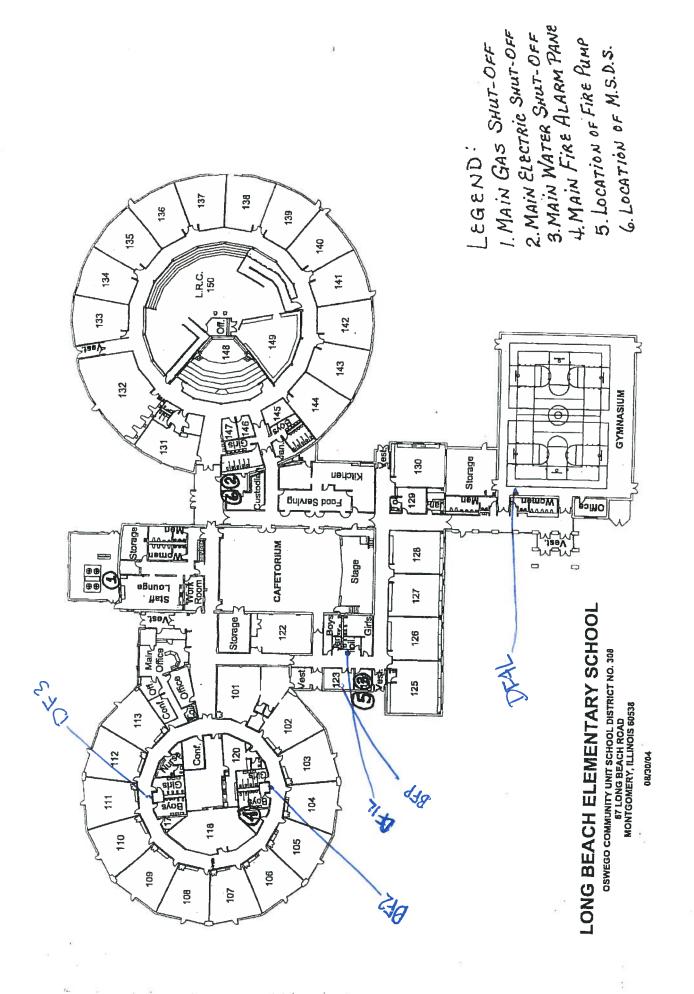
Lakewood Creek Elementary

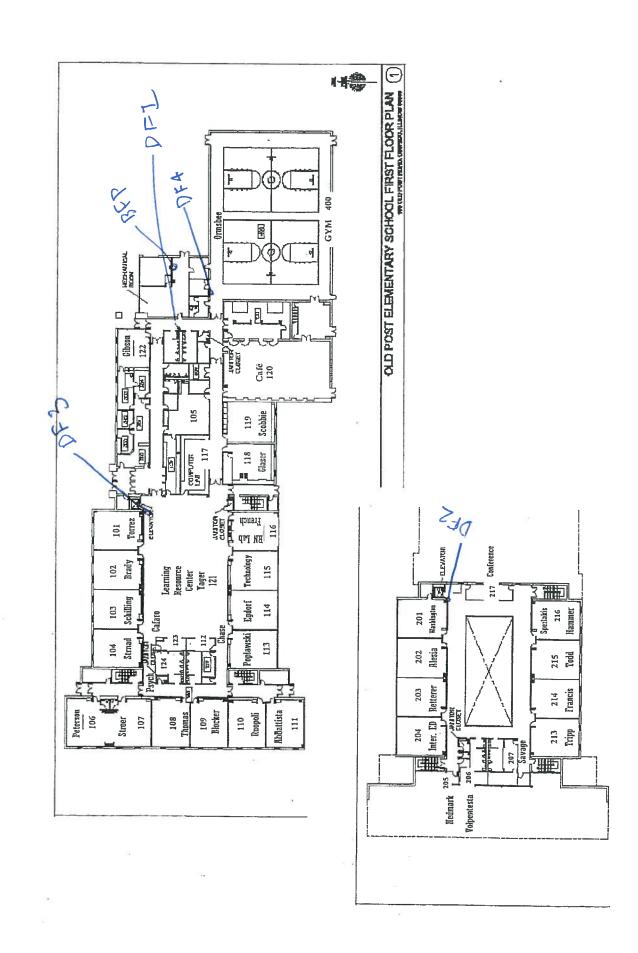
First floor Plan



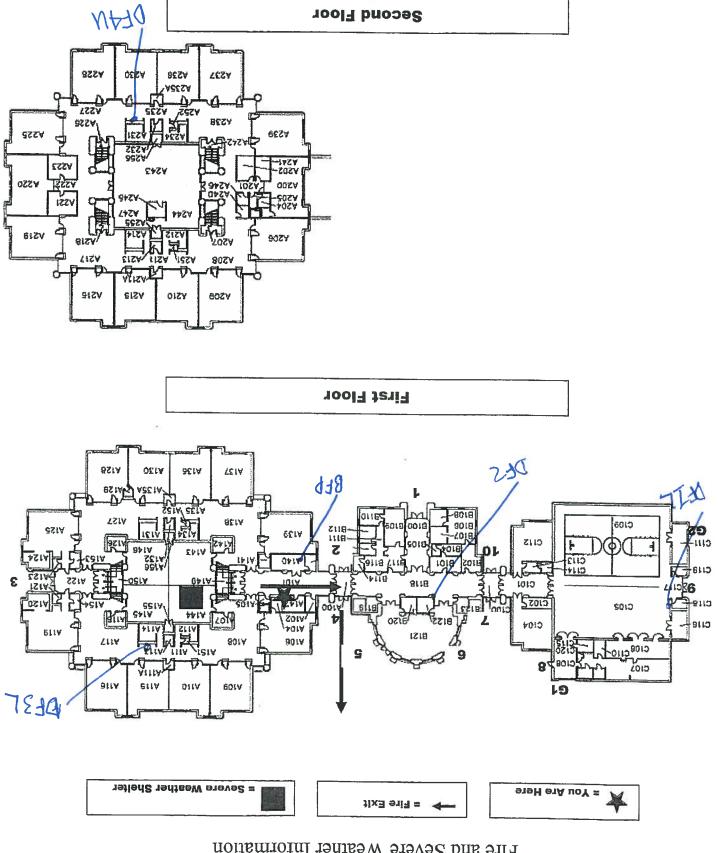
Second Floor Plan



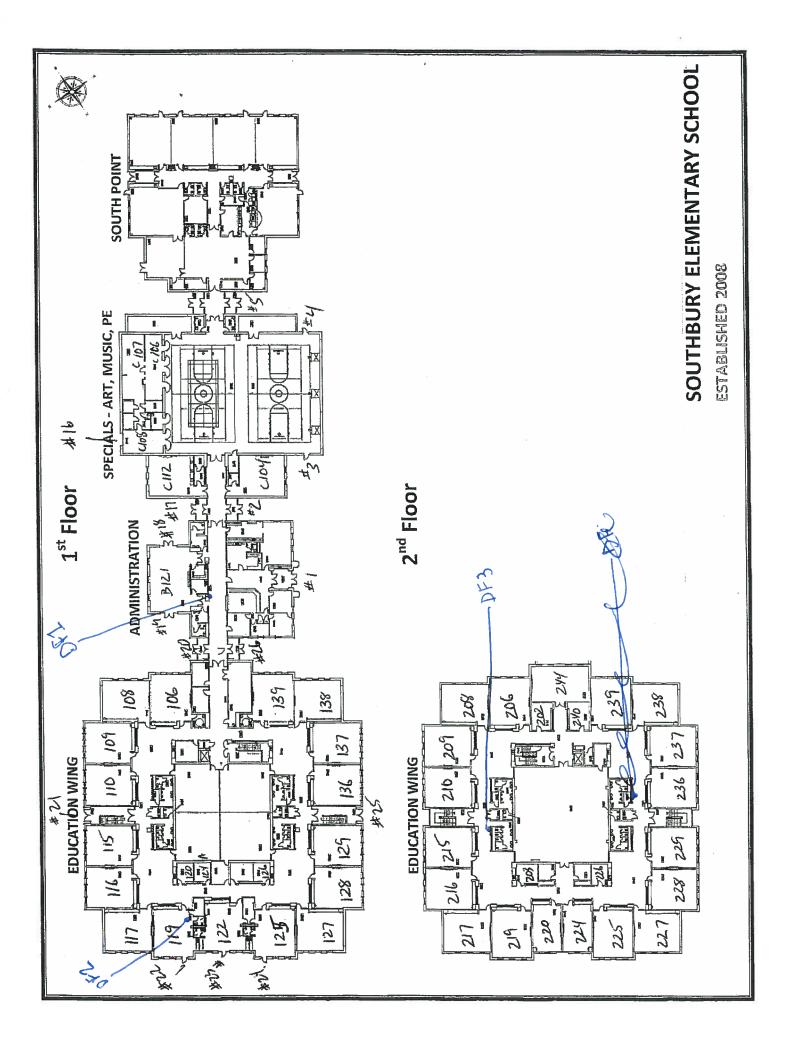




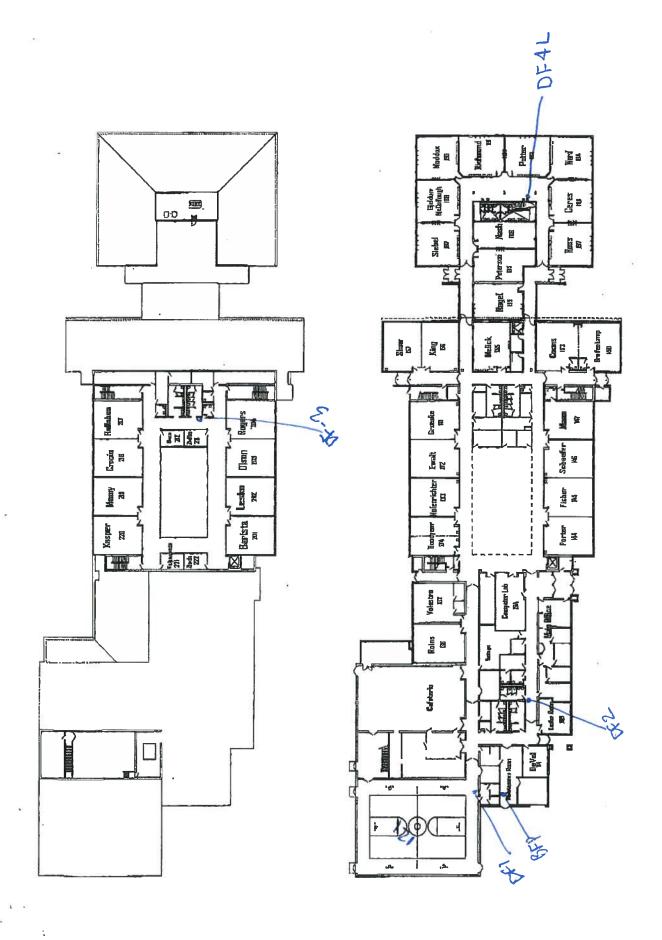
Fire and Severe Weather Information Prairie Point Elementary School



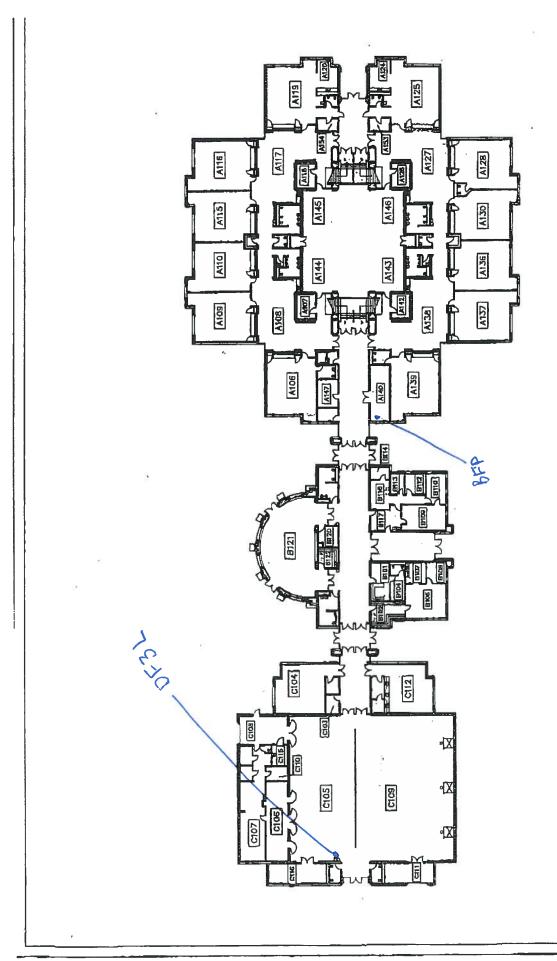
Second Floor



The Wheatlander





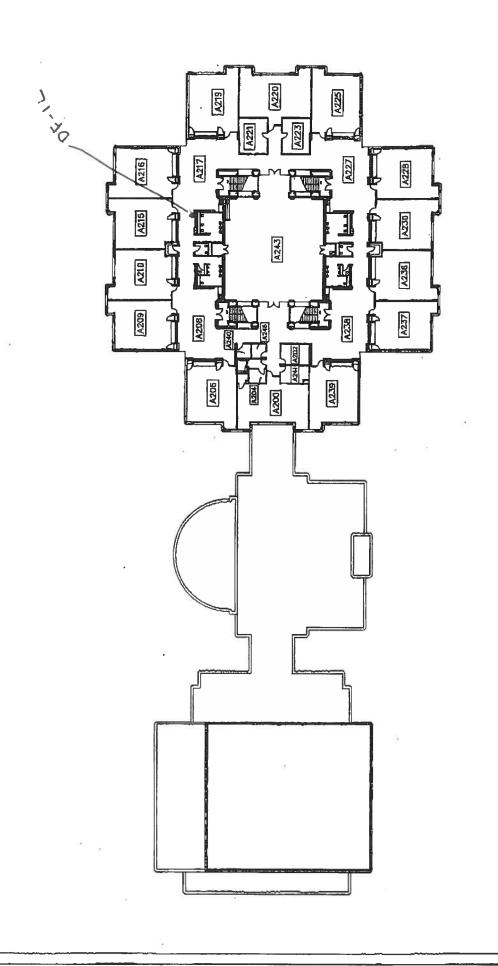




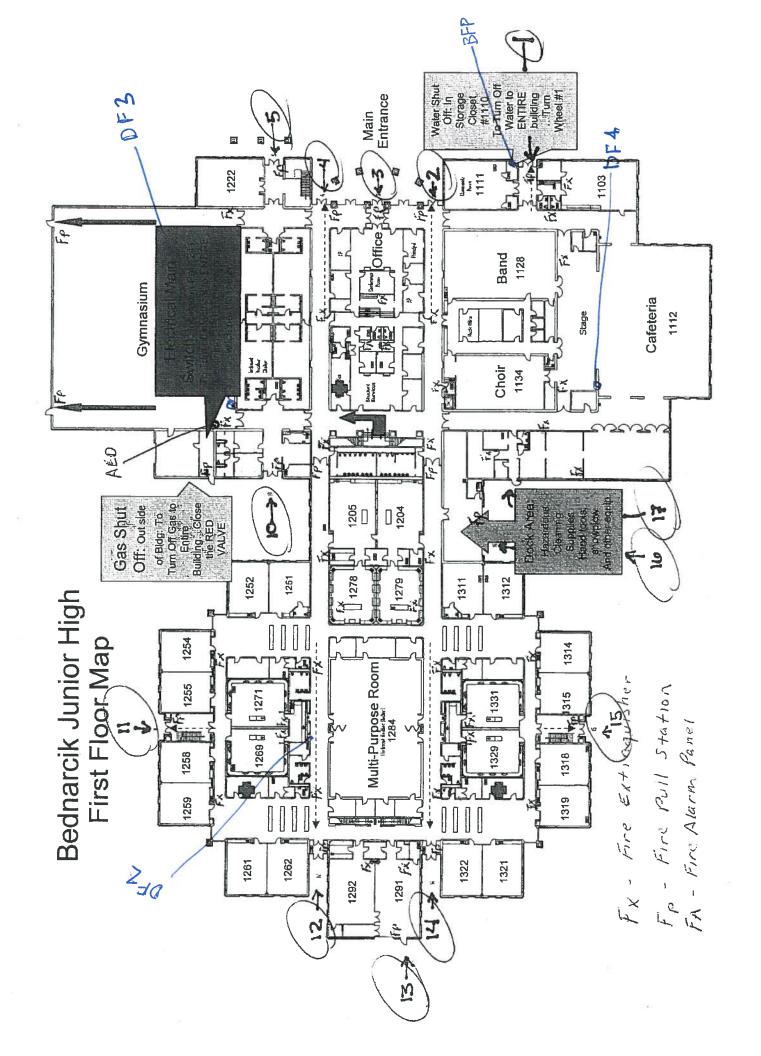
Jan.

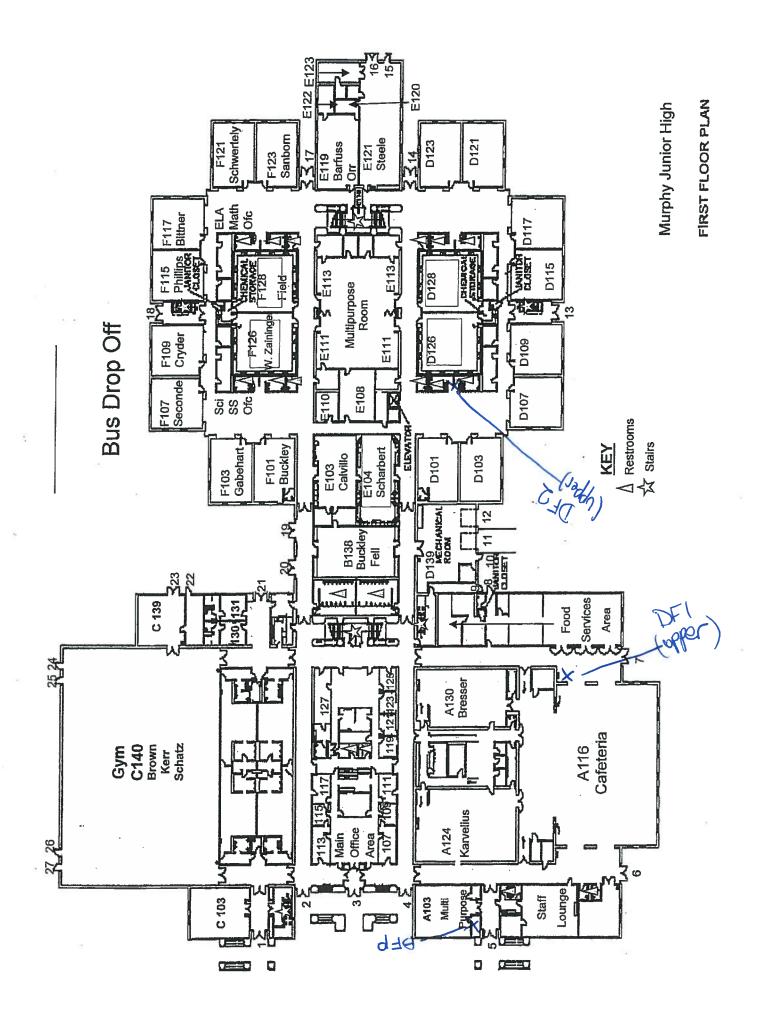
1 .9 8787 .oN

3. 2013 10:57AM WOLF'S CROSSING

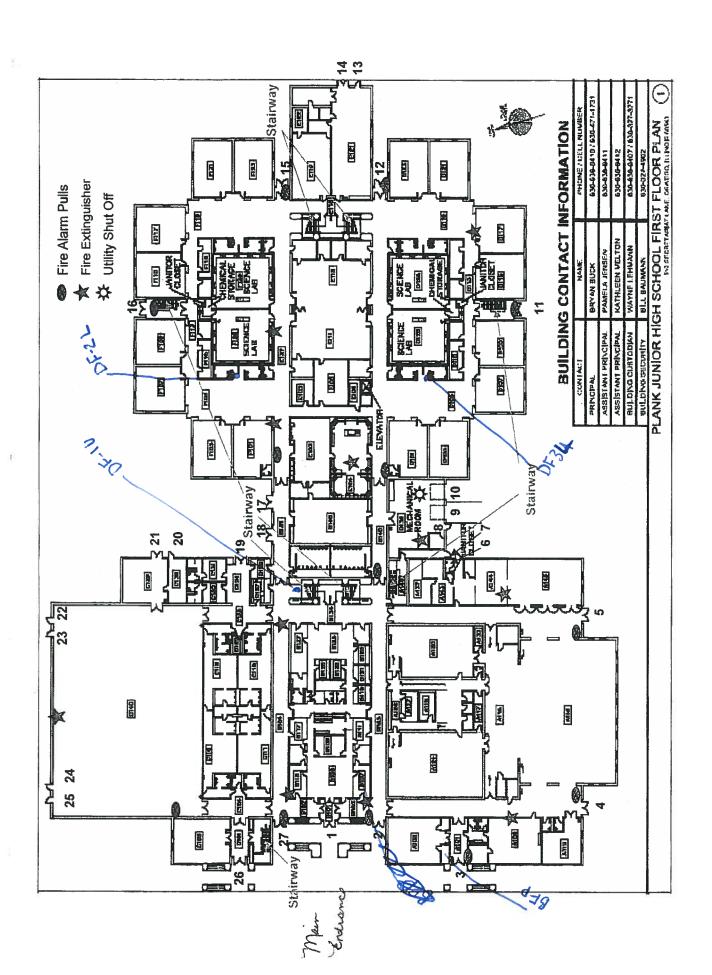


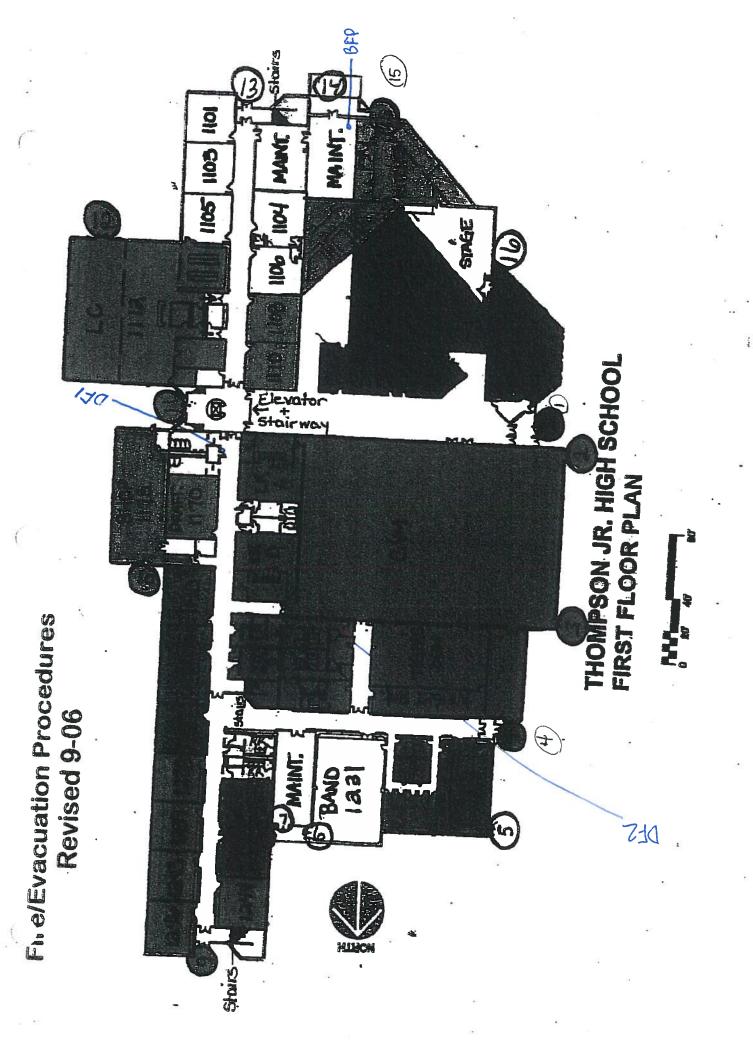


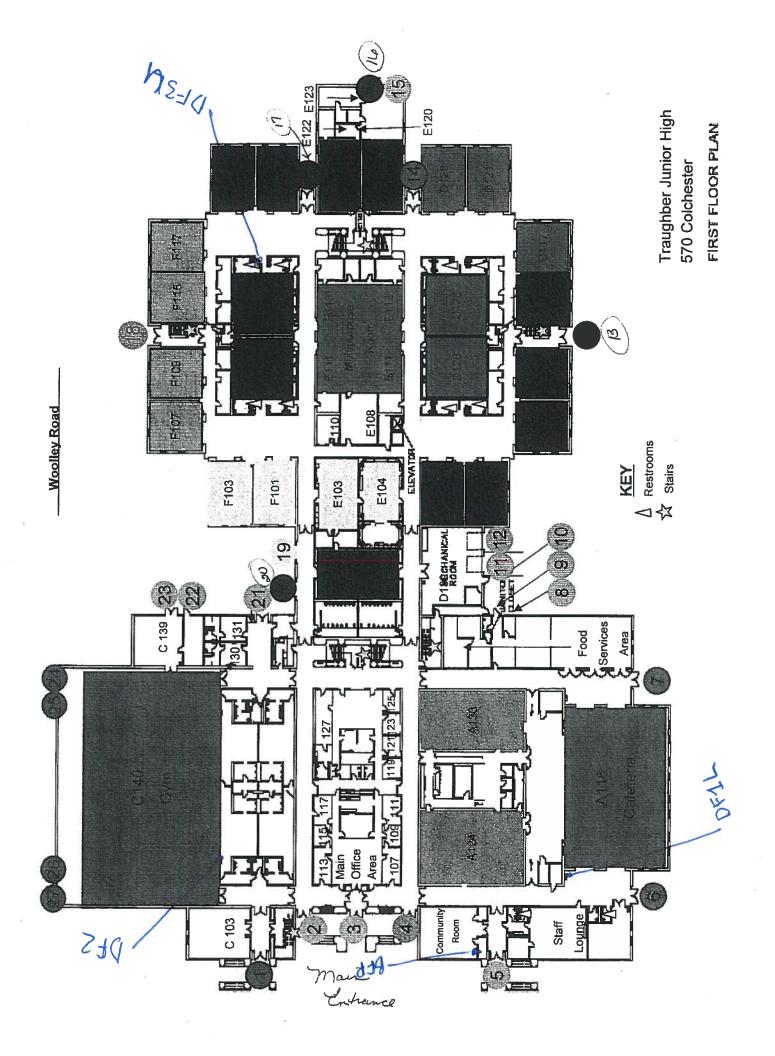


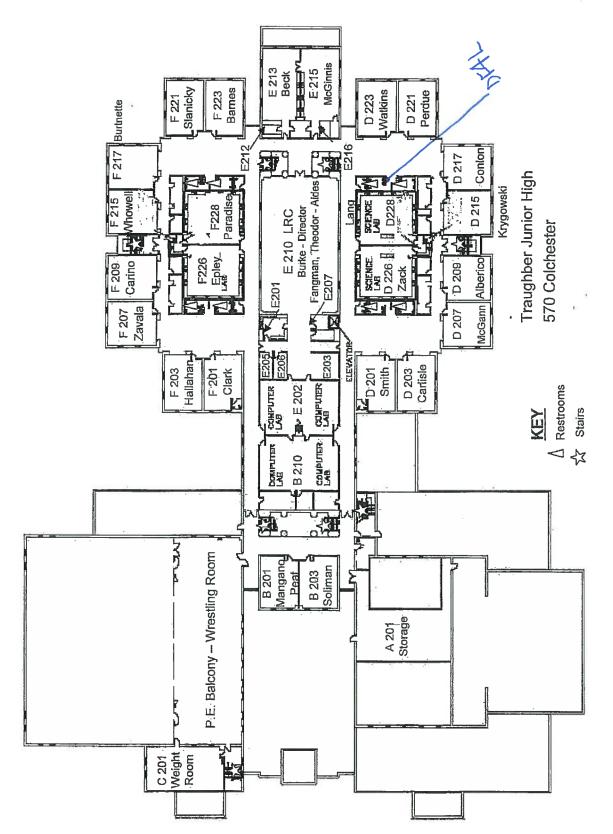


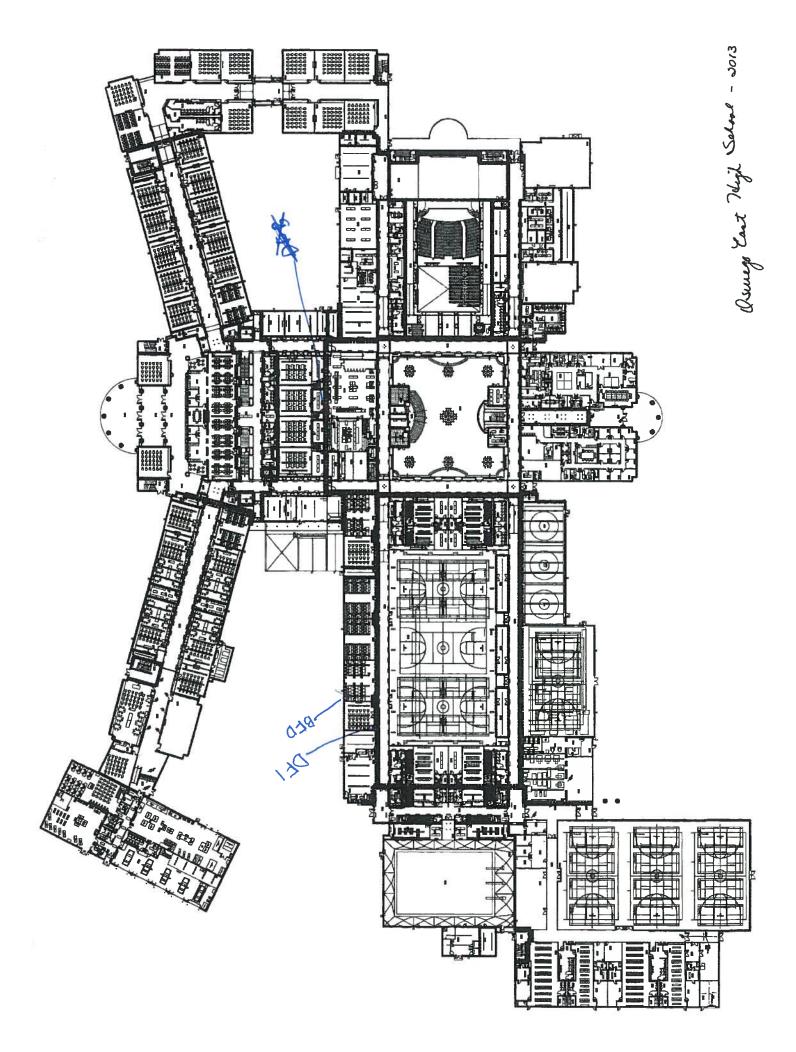
SECOND FLOOR PLAN

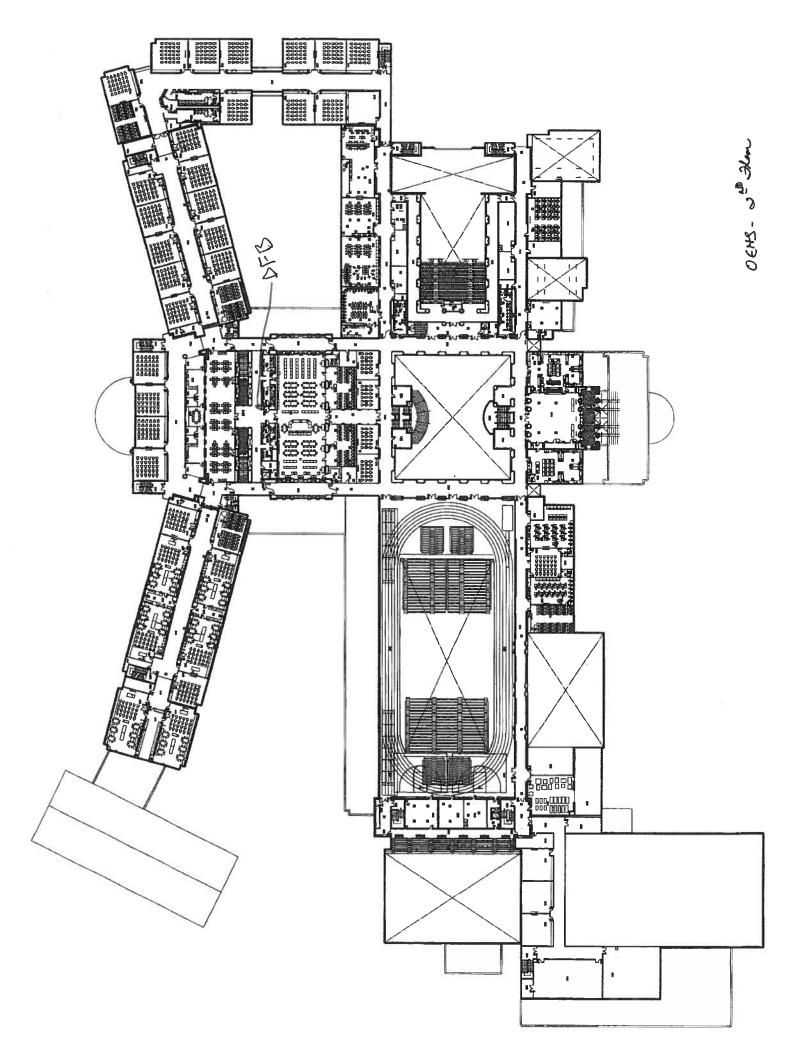


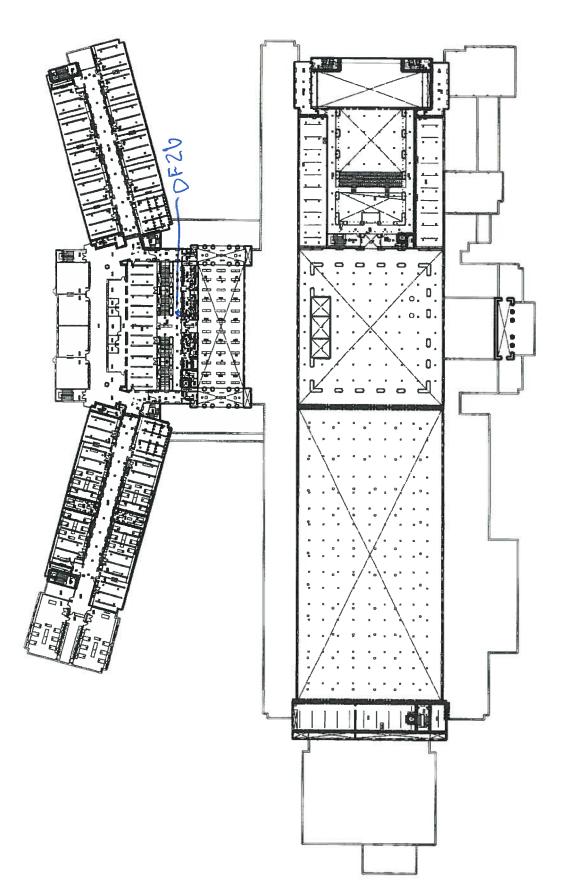


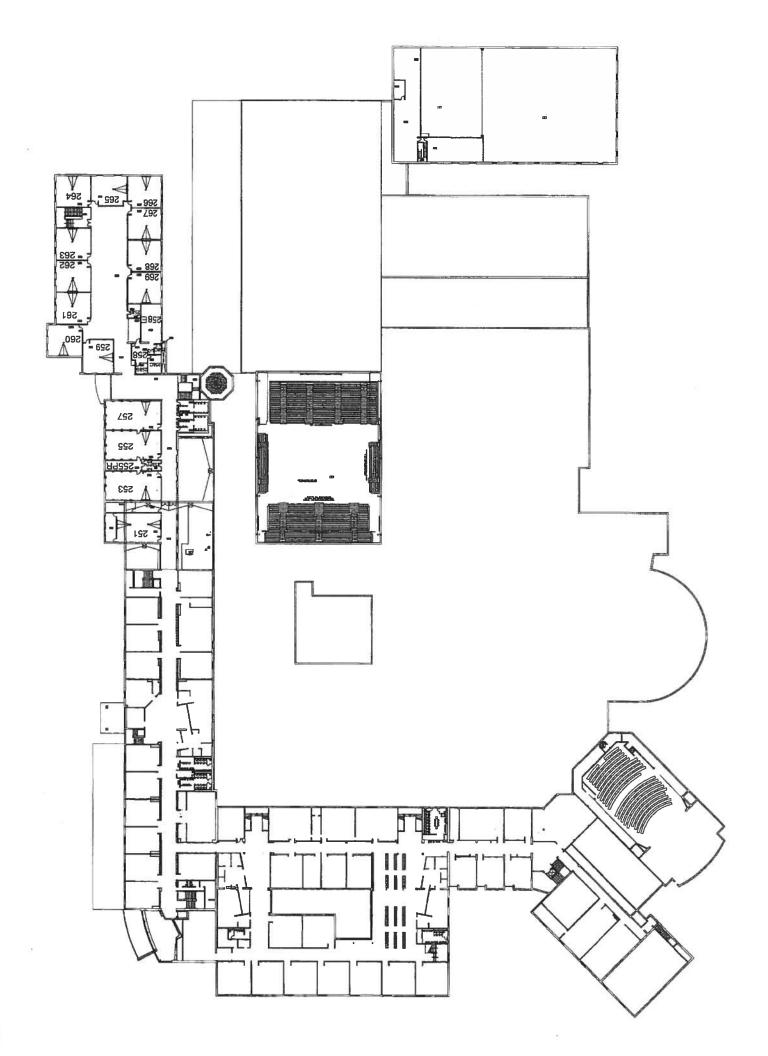


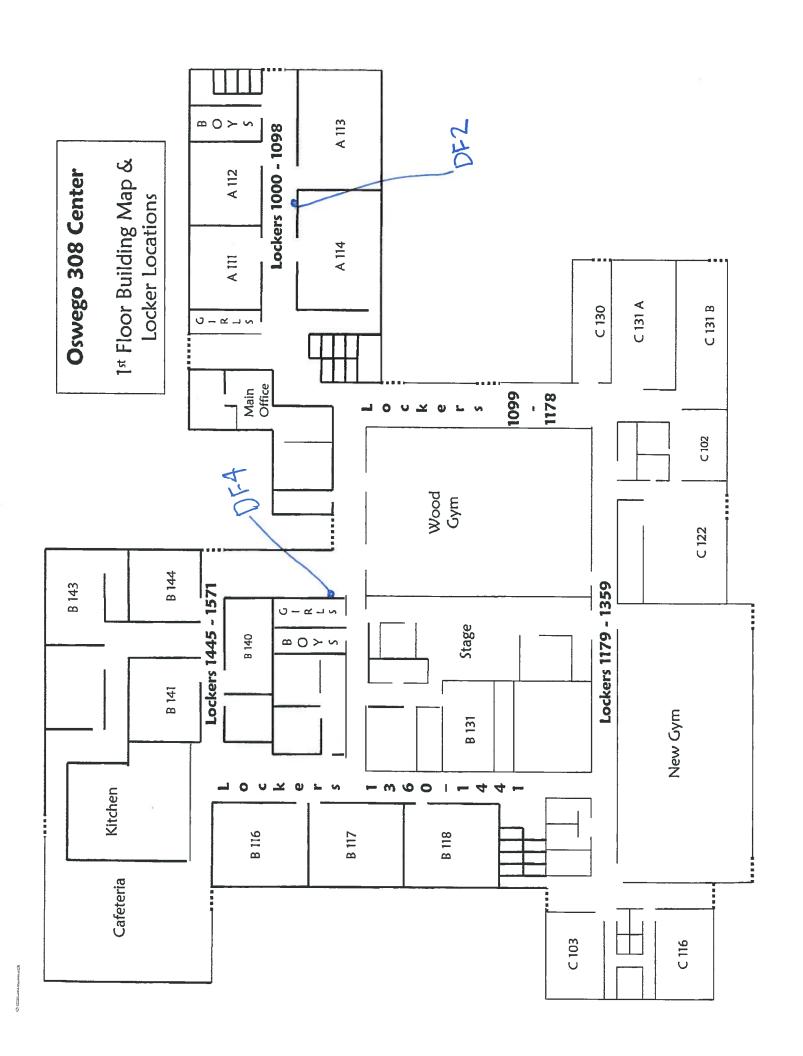


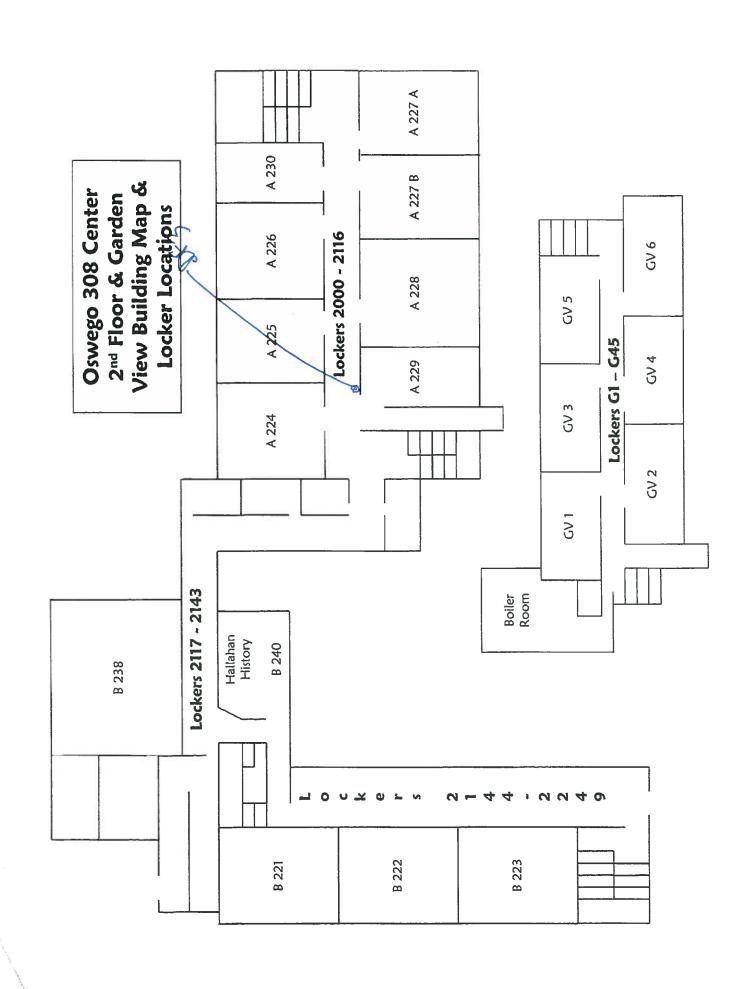














APPENDIX C

LABORATORY ANALYTICAL REPORTS

SUBURBAN LABORATORIES, Inc.



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: 1607E10

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Brokaw Early Learning Center Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/18/2016 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

Logistics Manager

Tanu Rodyu

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Brokaw Early Learning Center Drinking Water PO #:
WorkOrder: 1607E10 OC Level:

Temperature of samples upon receipt at SLI: 20 C Chain of Custody #: 134002

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:

Created: 8/3/2016 9:54:54 AM



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

Laboratory Results

07/26/2016 11:46 PM

38557

Matrix: DRINKING WATER

Dilution

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Brokaw Early Learning Center Drinking Water L Workorder: 1607E10

Client Sample ID: 1000-A139-BFD

Lab ID: 1607E10-001 **Date Received:** 07/18/2016 4:38 PM

Collection Date: 07/18/2016 12:00 AM

Report

MCL Limit Factor Date Analyzed **Parameter** Result Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper 137 1,300 100 07/26/2016 11:40 PM 38557 μg/L Lead 51.4 15.0 5.00 µg/L 07/26/2016 11:40 PM 38557

Client Sample ID: 1000-A130-DF1L Matrix: DRINKING WATER

Lab ID: 1607E10-002 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Report Dilution Factor Date Analyzed MCL Limit **Parameter** Result Qual. Units **Batch ID** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper 525 1,300 100 07/26/2016 11:43 PM 38557 μg/L Lead ND 5.00 07/26/2016 11:43 PM 38557 15.0 μg/L

Client Sample ID: 1000-A135-DF2L Matrix: DRINKING WATER

Lab ID: 1607E10-003 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Report Dilution MCL Limit Factor Date Analyzed Result **Batch ID Parameter** Qual. Units Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper 617 1,300 100 μg/L 07/26/2016 11:46 PM 38557

5.00 Client Sample ID: 1000-A135-DF3L **Matrix: DRINKING WATER**

ND

15.0

Date Received: 07/18/2016 4:38 PM **Lab ID:** 1607E10-004 Collection Date: 07/18/2016 12:00 AM

μg/L

Dilution Report MCL Limit Factor Date Analyzed Result Units **Batch ID Parameter** Qual. Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper 432 1,300 100 μg/L 1 07/30/2016 6:00 PM 38557 Lead ND 15.0 5.00 μg/L 1 07/30/2016 6:00 PM 38557

Created: 8/3/2016 9:54:55 AM

Lead



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Brokaw Early Learning Center Drinking Water L Workorder: 1607E10

Client Sample ID: 1000-A135-DF4U

Matrix: DRINKING WATER **Lab ID:** 1607E10-005

Date Received: 07/18/2016 4:38 PM **Collection Date:** 07/18/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	d: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	329	1,300	100		μg/L	1	07/29/2016 4:32 PM	38557
Lead	ND	15.0	5.00		μg/L	1	07/29/2016 4:32 PM	38557

Created: 8/3/2016 9:54:55 AM



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

PREP DATES REPORT

Client: Report Date: August 03, 2016 Hygieneering, Inc.

Project: Brokaw Early Learning Center Dri Lab Order: 1607E10

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607E10-001A	7/18/2016	38557	TURB_METALS	Turbidity Check	7/26/2016
1607E10-002A		38557	TURB_METALS	Turbidity Check	7/26/2016
1607E10-003A		38557	TURB_METALS	Turbidity Check	7/26/2016
1607E10-004A		38557	TURB_METALS	Turbidity Check	7/26/2016
1607E10-005A		38557	TURB_METALS	Turbidity Check	7/26/2016

Created: 8/3/2016 9:54:55 AM

Qualifier Definitions

WO#: **1607E10**Date: **8/3/2016**

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

Created: 8/3/2016 9:54:55 AM

·	White-Original Pink-Sampler Conv	\\\frac{1\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin\tin\tinit\text{\text{\tinit}\\ \tinithtt{\text{\text{\text{\tin\tinit\text{\text{\text{\tinit}\\ \tinithtt{\text{\text{\text{\tinit}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\tinithtt{\text{\tinith\tinithtt{\text{\text{\text{\texi}\tinithtt{\texi}\text{\tinithtt{\tinithtt{\tinithtt{\tinithtet{\tinithtet{\tinithtet{\tiint{\tiin\tinithtet{\tinithtet{\tinithte		Rev. 07/20/08		on hack	rms and Conditions	Submission of samples subject to Terms and Conditions on back.	Subm
ā	present				present		16:38	present	/
3		Time December by		ne Received By	Time	Received By	Time		Received
ite	Date	Date 4. Relinquished By	hed By	te 3, Relinquished By	Date	t. Reinquished by	7/8	a consideration by	. 79
ŏ	Label conflicts with	7.						sulfate (NaB), NaThio	NaOH
	Received frozen	5.						H ₂ SO ₄ , HCl, HNO ₃ , Methanol (MeOH)	H ₂ SO ₄ .
time	Received past holding time	55						Glass (G), Plastic (P) PRESERVATIVE:	Glass (
s for VOCs	4. Headspace/air bubbles for VOCs	4						4oz, 8oz, 40mi Vial, 500ml, Liter (L), Tube,	40z, 8o
ume	insufficient sample volume	'n						Sludge (U), Wipe (P) CONTAINER: 20z.	Sludge
	2. Improper preservation	ņ						Ground Water (GW), Solid Waste (WA),	Ground
tainer/cap	CONDITION CODES 1. Improper/damaged container/cap					COMMENIS & SPECIAL INSTRUCTIONS:	MANIEN IS & SPECI	Waste Water (WW), Surface Water(SW),	Waste 1
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SUBURBAN LABORATORIES, Inc.



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: 1607E11

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Homestead Elementary Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/18/2016 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

Logistics Manager

Tanu Rodyu

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Homestead Elementary Drinking Water Lead an PO #:
WorkOrder: 1607E11 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:

Created: 8/3/2016 9:56:27 AM



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

Laboratory Results

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Homestead Elementary Drinking Water Lead and Workorder: 1607E11

Client Sample ID: 2830-114A-BFP

Lab ID: 1607E11-001 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor		Batch ID
METALS BY ICPMS			Meth	nod: EPA-200.8-Rev	5.4, 1994		Analyst: jmk	
Copper	ND	1,300	100		μg/L	1	07/29/2016 4:03 PM	38558
Lead	173	15.0	5.00	*	μg/L	1	07/29/2016 4:03 PM	38558

Client Sample ID: 2830-121-DF1 Matrix: DRINKING WATER

Lab ID: 1607E11-002 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Report **Dilution** Factor Date Analyzed MCL Limit **Parameter** Result Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper ND 1,300 100 07/29/2016 4:35 PM 38558 μg/L Lead ND 5.00 07/29/2016 4:35 PM 38558 15.0 μg/L

Client Sample ID: 2830-188-DF2U Matrix: DRINKING WATER

Lab ID: 1607E11-003 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Report Dilution MCL Limit Factor Date Analyzed **Parameter** Result **Batch ID Qual.** Units Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper 252 1,300 100 μg/L 07/29/2016 4:37 PM 38558 Lead ND 15.0 5.00 μg/L 07/29/2016 4:37 PM 38558

Client Sample ID: 2830-210-DF3 **Matrix: DRINKING WATER**

Lab ID: 1607E11-004 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Dilution Report MCL Limit Factor Date Analyzed Result Units **Batch ID Parameter** Qual. Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 38558 Copper 169 1,300 100 μg/L 1 07/29/2016 4:39 PM Lead ND 15.0 5.00 μg/L 1 07/29/2016 4:39 PM 38558

Created: 8/3/2016 9:56:28 AM



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Homestead Elementary Drinking Water Lead and Workorder: 1607E11

Client Sample ID: 2830-154-DF4

Matrix: DRINKING WATER

Lab ID: 1607E11-005 **Date Received:** 07/18/2016 4:38 PM **Collection Date:** 07/18/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method:	EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	171	1,300	100		μg/L	1	07/29/2016 4:41 PM	38558
Lead	ND	15.0	5.00		μg/L	1	07/29/2016 4:41 PM	38558

Created: 8/3/2016 9:56:28 AM



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

PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: August 03, 2016

Project: Homestead Elementary Drinking Lab Order: 1607E11

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607E11-001A	7/18/2016	38642	ICPMS_DWPR	Drinking Water Prep	7/28/2016
		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E11-002A		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E11-003A		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E11-004A		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E11-005A		38558	TURB_METALS	Turbidity Check	7/26/2016

Created: 8/3/2016 9:56:28 AM

Qualifier Definitions

WO#: **1607E11**Date: **8/3/2016**

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

Created: 8/3/2016 9:56:29 AM

inal. Pink-Sampler Copy	White-Original,			Rev. 07/20/08	Re			ions on back.	erms and Condi	Submission of samples subject to Terms and Conditions on back	mission of sa	Suc
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Date	4. Relinquished By	Date	shed By	3. Relinquished B	Date		, y	2. Kelinquished By	8//		. Reinquished by	- 2
7. Label conflicts with COC	7. Label									te (NaB), NaThio	laOH, Sodium Bisulfate (NaB), NaThio	Na OEN
6. Received frozen	6. Receiv									thanol (MeOH)	H ₂ SO ₄ , HCl, HNO ₃ , Methanol (MeOH)	H ₂ SC
 Received past holding time 	5. Receiv									Glass (G), Plastic (P) PRESERVATIVE:	s (G), Plastic (P)	Glas
s, irisdilicielit sallipie volurile	o, arguin									4oz 8oz, 40ml Viai, 500ml, Liter (L), Tube	Boz, 40ml Viai, 50	4
2. Improper preservation	2. Improp									Studge (11) Wine (P) CONTAINER: 207	36 (11) Wipe (P) (Š
1. Improper/damaged container/cap	1. Improp										e Water (WW), Si	Was
CONDITION CODES	3970				-		JCTIONS:	ECIAL INSTR	COMMENTS & SPECIAL INSTRUCTIONS:	MATRIX: Drinking Water (DW), Soil (S),	RIX: Drinking Wa	MA T
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o <u>f</u>	REQUESTED Page	ANALYSIS & METHOD REQUESTED	QUESTED	TURNAROUND TIME REQUESTED	TURNARO					aronezrina inc.	tuaione) ,
	www.suburbanlabs.com	.783.LABS www.s		Fax: 708.544,8587	708.544.3260	<u> </u> ፼	1	Geneva, IL 6	Ave., Ste 150,	1950 S. Batavia Ave., Ste 150, Geneva, IL 60134	Name of the state	
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SUBURBAN LABORATORIES, Inc.



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: 1607E12

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Wolf's Crossing Elementary Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/18/2016 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

Logistics Manager

Tanu Rodyu

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Wolf's Crossing Elementary Drinking Water Lea
PO #:
WorkOrder: 1607E12
OC 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:

Created: 8/3/2016 9:58:00 AM



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

Laboratory Results

D:1--4: ---

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Wolf's Crossing Elementary Drinking Water Lea Workorder: 1607E12

Client Sample ID: 3015-A140-BFP

Matrix: DRINKING WATER

Lab ID: 1607E12-001 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

			Keport			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Meth	od: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	213	1,300	100		μg/L	1	07/29/2016 4:43 PM	38558
Lead	73.3	15.0	5.00	*	μg/L	1	07/29/2016 4:43 PM	38558

Client Sample ID: 3015-A214-DF1L Matrix: DRINKING WATER

Lab ID: 1607E12-002 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Report **Dilution** Factor Date Analyzed MCL Limit **Parameter** Result Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper 166 1,300 100 07/29/2016 4:45 PM 38558 μg/L Lead ND 5.00 07/29/2016 4:45 PM 38558 15.0 μg/L

Client Sample ID: 3015-B121-DF2BT Matrix: DRINKING WATER

Lab ID: 1607E12-003 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Report Dilution MCL Limit Factor Date Analyzed Result **Batch ID Parameter Qual.** Units Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper 109 1,300 100 μg/L 07/29/2016 4:46 PM 38558 Lead ND 15.0 5.00 μg/L 07/29/2016 4:46 PM 38558

Client Sample ID: 3015-C105-DF3L **Matrix: DRINKING WATER**

Lab ID: 1607E12-004 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Dilution Report MCL Limit Factor Date Analyzed Result Units **Batch ID Parameter** Qual. Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 38558 Copper 153 1,300 100 μg/L 1 07/29/2016 4:48 PM Lead ND 15.0 5.00 μg/L 1 07/29/2016 4:48 PM 38558

Created: 8/3/2016 9:58:01 AM



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Wolf's Crossing Elementary Drinking Water Lea Workorder: 1607E12

Client Sample ID: 3015-B121-DF4LT **Matrix:** DRINKING WATER

Lab ID: 1607E12-005 **Date Received:** 07/18/2016 4:38 PM **Collection Date:** 07/18/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	EPA-200.8-Rev 5	54 1994		Analyst: jmk	
WIETAES BY ICI WIS				2171200.011010	. 1, 100 1		, wayou jiin	
Copper	120	1,300	100		μg/L	1	07/29/2016 4:57 PM	38558
Lead	ND	15.0	5.00		μg/L	1	07/29/2016 4:57 PM	38558

Created: 8/3/2016 9:58:01 AM



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

PREP DATES REPORT

Client: Report Date: August 03, 2016 Hygieneering, Inc.

Project: Wolf's Crossing Elementary Drinki Lab Order: 1607E12

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607E12-001A	7/18/2016	38558	TURB_METALS	Turbidity Check	7/26/2016
1607E12-002A		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E12-003A		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E12-004A		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E12-005A		38558	TURB_METALS	Turbidity Check	7/26/2016

Created: 8/3/2016 9:58:01 AM

Qualifier Definitions

WO#: **1607E12**Date: **8/3/2016**

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

Created: 8/3/2016 9:58:02 AM

S sum	Received By Present 12 36 R	ished By Date 7/16	ulfate (NaB), NaThio	H ₂ SO ₄ , HCl, HNO ₅ , Methanol (MeOH)	Glass (G), Plastic (P) PRESERVATIVE:	Sludge (U), Wipe (Y) CONLAINER; 202, 40z, 8az, 40ml Viai, 500ml, Liter (L), Tube,	Ground Water (GW), Solid Waste (WA),	WALRED: Drinking Water (DW), Soil (S), COMMENTS & SPECIAL INSTRUCTIONS: Waste Water (WW), Surface Water(SW),	-1	10	9	00	7	O)	5 3015 - B121 - DF44+ /	43015-C105-DF3L	33015-B121-DF26t /	2 3015 - 4214 - DFIL /		One Line Per Preservation & Container Type*	SAMPLE IDENTIFICATION (Sample Collector(s) Name CTV () C	Project Manager (Report to)	Hoperial Location	Email Address bandWSOM@ hygjenten no	Phone (630) 654-2550 Fex	City WILLOW DYCC N State Zip	ddress		SUBURBAN LABORATORIES, 1950 S. Batavia Ave., Ste 150, Geneva, IL 60134
n back.	Received By	2. Relinquished By						LINSTROCTIONS:	,	1							enezzouch		07/18/16	DATE TIME MATRIX	COLLECTION				Final Report will be emailed	☐ Fax Report	18.27			5
Rev. 07/20/08	D Ice Time Receiv	Date 3. Reli																	Management of the second of th	RIX COMP. Qty SIZE & TYPE	GRAB/ CONTAINERS	☐ Disposal ☐ Other*	☐ 503 Sludge ☐ NPDES		Specify Regulator (Require		*Date & Time Needed:	Normal Rush*	TURNAROUND TIME REQUESTED	Tel. 708.544.3260 Fax: 708.544.8587
	Received By	Relinquished By									The state of the s				4			****	2	PRESERVATIVE		*Please specify in comment section below.	☐ MWRDGC	SDWA	□ None/Info Only	quotation or fee schedule. additional charges apply.		*Additional Rush Charges Approved.	REQUESTED	
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White-Original, Pink-Sampler Copy	☐ loe Time	ed By Date	/. Label conflicts with COC	6. Received frozen	5. Received past holding time	A. Headspace/air bubbles for VOCs	2. Improper preservation	1. Improper/damaged container/cap												R Condition Split LAB#	Samples received the Same day as collection?	Received Samples 20	Sample containers Yes	KOKE 12	LAB USE ONLY	Reporting Level (at 1 2 3 additional charge)	Shipping Method			RD # 134004

SUBURBAN LABORATORIES, Inc.



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: 1607E13

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Bednarak Junior High Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/18/2016 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

Logistics Manager

Tanu Rodyu

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Bednarak Junior High Drinking Water Lead and PO #:
WorkOrder: 1607E13 OC Level:

Temperature of samples upon receipt at SLI: 20 C Chain of Custody #: 134003

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:

Created: 8/3/2016 9:59:33 AM



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

Laboratory Results

07/29/2016 5:06 PM

38558

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Bednarak Junior High Drinking Water Lead and Workorder: 1607E13

Client Sample ID: 3025-1110-BFP

Lab ID: 1607E13-001 Date Received: 07/18/2016 4:38 PM

Collection Date: 07/18/2016 12:00 AM

Dilution Report MCL Limit Factor Date Analyzed **Parameter** Result Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper ND 1,300 100 07/29/2016 4:59 PM 38558 μg/L Lead 9.50 15.0 5.00 µg/L 07/29/2016 4:59 PM 38558

Client Sample ID: 3025-2065E-DF1U Matrix: DRINKING WATER

Lab ID: 1607E13-002 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Report Dilution Factor Date Analyzed MCL Limit **Parameter** Result Qual. Units **Batch ID** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper 225 1,300 100 07/29/2016 5:04 PM 38558 μg/L Lead ND 5.00 07/29/2016 5:04 PM 38558 15.0 μg/L

Client Sample ID: 3025-1284E-DF2 Matrix: DRINKING WATER

Lab ID: 1607E13-003 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Report Dilution MCL Limit Factor Date Analyzed Result **Batch ID Parameter** Qual. Units Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper 175 1,300 100 μg/L 07/29/2016 5:06 PM 38558

μg/L

5.00 Client Sample ID: 3025-1223A-DF3 **Matrix: DRINKING WATER**

ND

15.0

Date Received: 07/18/2016 4:38 PM **Lab ID:** 1607E13-004 Collection Date: 07/18/2016 12:00 AM

Dilution Report MCL Limit Factor Date Analyzed Result **Batch ID Parameter** Qual. Units Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 38558 Copper 173 1,300 100 μg/L 1 07/29/2016 5:08 PM Lead ND 15.0 5.00 μg/L 1 07/29/2016 5:08 PM 38558

Created: 8/3/2016 9:59:34 AM

Lead



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Bednarak Junior High Drinking Water Lead and Workorder: 1607E13

Client Sample ID: 3025-1112-DF4

Matrix: DRINKING WATER **Lab ID:** 1607E13-005 **Date Received:** 07/18/2016 4:38 PM **Collection Date:** 07/18/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	d: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	251	1,300	100		μg/L	1	07/29/2016 5:10 PM	38558
Lead	ND	15.0	5.00		μg/L	1	07/29/2016 5:10 PM	38558

Created: 8/3/2016 9:59:34 AM



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

PREP DATES REPORT

Client: Report Date: August 03, 2016 Hygieneering, Inc.

Project: Bednarak Junior High Drinking W Lab Order: 1607E13

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607E13-001A	7/18/2016	38558	TURB_METALS	Turbidity Check	7/26/2016
1607E13-002A		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E13-003A		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E13-004A		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E13-005A		38558	TURB METALS	Turbidity Check	7/26/2016

Created: 8/3/2016 9:59:34 AM

Qualifier Definitions

WO#: **1607E13**Date: **8/3/2016**

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

Created: 8/3/2016 9:59:35 AM

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e volume	3. Insufficient sample volume	<u> </u>							Stage (b), wipe (r) CONTAINER: 202,	Stode (U), Wipe (
ation	2. Improper preservation	8, 6							Ground Water (GW), Solid Waste (WA),	Ground Water (GV
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100/E15] [۵.	T C M	March JUMOV	Project Manager (Report to)
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SUBURBAN LABORATORIES, Inc.



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: 1607E14

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: The Wheatland Elementary Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/18/2016 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

Logistics Manager

Tanu Rodyu

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: The Wheatland Elementary Drinking Water Lea PO #: WorkOrder: 1607E14 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:

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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:

1607E14-001A - 005A was preserved in the lab.



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

Laboratory Results

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: The Wheatland Elementary Drinking Water Lead Workorder: 1607E14

Client Sample ID: 2290-MAINT-BFP

Lab ID: 1607E14-001

Date Received: 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Dilution Report MCL Limit Factor Date Analyzed **Parameter** Result Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper ND 1,300 100 07/29/2016 5:19 PM 38558 μg/L Lead 17.7 5.00 µg/L 07/29/2016 5:19 PM 38558 15.0

Client Sample ID: 2290-121-DF1 Matrix: DRINKING WATER

Lab ID: 1607E14-002 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Report Dilution Factor Date Analyzed MCL Limit **Parameter** Result Qual. Units **Batch ID** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper ND 1,300 100 07/29/2016 5:21 PM 38558 μg/L Lead 5.00 07/29/2016 5:21 PM 38558 ND 15.0 μg/L

Client Sample ID: 2290-108-DF2 Matrix: DRINKING WATER

Lab ID: 1607E14-003 **Date Received:** 07/18/2016 4:38 PM Collection Date: 07/18/2016 12:00 AM

Report Dilution MCL Limit Factor Date Analyzed Result **Batch ID Parameter** Qual. Units Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper ND 1,300 100 μg/L 07/29/2016 5:23 PM 38558 Lead ND 15.0 5.00 μg/L 07/29/2016 5:23 PM 38558

Client Sample ID: 2290-204-DF3 **Matrix: DRINKING WATER**

Date Received: 07/18/2016 4:38 PM **Lab ID:** 1607E14-004 Collection Date: 07/18/2016 12:00 AM

Dilution Report MCL Limit Factor Date Analyzed Result **Batch ID Parameter** Qual. Units Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 38558 Copper ND 1,300 100 μg/L 1 07/29/2016 5:24 PM Lead ND 15.0 5.00 μg/L 1 07/29/2016 5:24 PM 38558



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: The Wheatland Elementary Drinking Water Lead Workorder: 1607E14

Client Sample ID: 2290-193-DF4L

Matrix: DRINKING WATER

Lab ID: 1607E14-005 **Date Received:** 07/18/2016 4:38 PM **Collection Date:** 07/18/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	d: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	425	1,300	100		μg/L	1	07/29/2016 5:26 PM	38558
Lead	ND	15.0	5.00		μg/L	1	07/29/2016 5:26 PM	38558



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

PREP DATES REPORT

Client: Report Date: August 03, 2016 Hygieneering, Inc.

Project: The Wheatland Elementary Drinki Lab Order: 1607E14

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607E14-001A	7/18/2016	38558	TURB_METALS	Turbidity Check	7/26/2016
1607E14-002A		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E14-003A		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E14-004A		38558	TURB_METALS	Turbidity Check	7/26/2016
1607E14-005A		38558	TURB_METALS	Turbidity Check	7/26/2016

Qualifier Definitions

WO#: **1607E14**Date: **8/3/2016**

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

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SUBURBAN LABORATORIES, Inc.



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: 1607F73

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Eastview Elementary Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/19/2016 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

Logistics Manager

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Eastview Elementary Drinking Water Lead and PO #: WorkOrder: 1607F73 OC 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.
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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.
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- 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:

1607F73-001A - 005A was preserved in the lab.

Created: 8/3/2016 10:02:49 AM



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

Laboratory Results

07/29/2016 5:41 PM

38559

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Eastview Elementary Drinking Water Lead and C Workorder: 1607F73

Client Sample ID: 4209-18-BFP

Lab ID: 1607F73-001 **Date Received:** 07/19/2016 4:18 PM

Collection Date: 07/19/2016 12:00 AM

Dilution Report MCL Limit Factor Date Analyzed **Parameter** Result Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper ND 1,300 100 07/29/2016 5:28 PM 38559 μg/L Lead ND 5.00 µg/L 07/29/2016 5:28 PM 38559 15.0

Client Sample ID: 4209-17-DF1L Matrix: DRINKING WATER

Lab ID: 1607F73-002 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Report Dilution Factor Date Analyzed MCL Limit **Parameter** Result Qual. Units **Batch ID** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper ND 1,300 100 07/29/2016 5:32 PM 38559 μg/L Lead 5.00 07/29/2016 5:32 PM 38559 ND 15.0 μg/L

Client Sample ID: 4209-29-DF2U Matrix: DRINKING WATER

Lab ID: 1607F73-003 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

Report Dilution MCL Limit Factor Date Analyzed Result **Batch ID Parameter** Qual. Units Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper 242 1,300 100 μg/L 07/29/2016 5:41 PM 38559

5.00 Client Sample ID: 4209-31-DF3L **Matrix: DRINKING WATER**

ND

15.0

Lab ID: 1607F73-004 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

μg/L

Dilution Report MCL Limit Factor Date Analyzed Result Units **Batch ID Parameter** Qual. Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 38559 Copper ND 1,300 100 μg/L 1 07/29/2016 5:42 PM Lead ND 15.0 5.00 μg/L 1 07/29/2016 5:42 PM 38559

Created: 8/3/2016 10:02:50 AM

Lead



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Eastview Elementary Drinking Water Lead and C Workorder: 1607F73

Client Sample ID: 4209-65-DF4L

Matrix: DRINKING WATER

Lab ID: 1607F73-005 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	ND	1,300	100		μg/L	1	07/29/2016 5:44 PM	38559
Lead	ND	15.0	5.00		μg/L	1	07/29/2016 5:44 PM	38559

Created: 8/3/2016 10:02:50 AM



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

PREP DATES REPORT

Client: Report Date: August 03, 2016 Hygieneering, Inc.

Project: Eastview Elementary Drinking Wat Lab Order: 1607F73

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607F73-001A	7/19/2016	38559	TURB_METALS	Turbidity Check	7/26/2016
1607F73-002A		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F73-003A		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F73-004A		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F73-005A		38559	TURB_METALS	Turbidity Check	7/26/2016

Qualifier Definitions

WO#: **1607F73**Date: **8/3/2016**

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

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SUBURBAN LABORATORIES, Inc.



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: 1607F74

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Churchill Elementary Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/19/2016 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

Logistics Manager

Tanu Rodyu

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Churchill Elementary Drinking Water Lead and PO #: WorkOrder: 1607F74 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:

1607F74-001A - 005A was preserved in the lab.



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

Laboratory Results

07/29/2016 5:50 PM

38559

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Workorder: 1607F74 **Project Name:** Churchill Elementary Drinking Water Lead and

Client Sample ID: 520-A140-BFP

Lab ID: 1607F74-001 Date Received: 07/19/2016 4:18 PM

Collection Date: 07/19/2016 12:00 AM

Dilution Report MCL Limit Factor Date Analyzed **Parameter** Result Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper 179 1,300 100 07/29/2016 5:46 PM 38559 μg/L Lead 54.8 15.0 5.00 µg/L 07/29/2016 5:46 PM 38559

Client Sample ID: 520-A114-DF1L Matrix: DRINKING WATER

Lab ID: 1607F74-002 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Report Dilution Factor Date Analyzed MCL Limit **Parameter** Result Qual. Units **Batch ID** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper 643 1,300 100 07/29/2016 5:48 PM 38559 μg/L Lead ND 5.00 07/29/2016 5:48 PM 38559 15.0 μg/L

Client Sample ID: 520-A131-DF2U Matrix: DRINKING WATER

Lab ID: 1607F74-003 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

Report Dilution MCL Limit Factor Date Analyzed Result **Parameter** Qual. Units **Batch ID** Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper 620 1,300 100 μg/L 07/29/2016 5:50 PM 38559

μg/L

5.00 Client Sample ID: 520-A231-DF3L **Matrix: DRINKING WATER**

ND

15.0

Lab ID: 1607F74-004 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Dilution Report MCL Limit Factor Date Analyzed Result **Batch ID Parameter** Qual. Units Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 38559 Copper 480 1,300 100 μg/L 1 07/29/2016 5:51 PM Lead ND 15.0 5.00 μg/L 1 07/29/2016 5:51 PM 38559

Created: 8/3/2016 10:04:33 AM

Lead



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Churchill Elementary Drinking Water Lead and Workorder: 1607F74

Client Sample ID: 520-B121-DF4

 mple ID: 520-B121-DF4
 Matrix: DRINKING WATER

 Lab ID: 1607F74-005
 Date Received: 07/19/2016 4:18 PM
 Collection Date: 07/19/2016 12:00 AM

D. . .

			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	1,210	1,300	100		μg/L	1	07/29/2016 5:53 PM	38559
Lead	ND	15.0	5.00		μg/L	1	07/29/2016 5:53 PM	38559

Created: 8/3/2016 10:04:33 AM



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

PREP DATES REPORT

Client: Report Date: August 03, 2016 Hygieneering, Inc.

Project: Churchill Elementary Drinking Wa Lab Order: 1607F74

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607F74-001A	7/19/2016	38559	TURB_METALS	Turbidity Check	7/26/2016
1607F74-002A		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F74-003A		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F74-004A		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F74-005A		38559	TURB_METALS	Turbidity Check	7/26/2016

Created: 8/3/2016 10:04:34 AM

Qualifier Definitions

WO#: **1607F74**Date: **8/3/2016**

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

Created: 8/3/2016 10:04:34 AM

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SUBURBAN LABORATORIES, Inc.



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: 1607F75

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Plank Jr High Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/19/2016 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

Logistics Manager

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Plank Jr High Drinking Water Lead and Copper PO #:
WorkOrder: 1607F75 OC Level:

Temperature of samples upon receipt at SLI: C Chain of Custody #: 134009

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:

1607F75-001A - 005A was preserved in the lab.



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Plank Jr High Drinking Water Lead and Copper Workorder: 1607F75

Client Sample ID: 510-A104-BFP

Matrix: DRINKING WATER **Lab ID:** 1607F75-001 **Date Received:** 07/19/2016 4:18 PM

Collection Date: 07/19/2016 12:00 AM

		Report			Dilution		
Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
		Method	d: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
ND	1,300	100		μg/L	1	07/29/2016 4:05 PM	38559
9.27	15.0	5.00		μg/L	1	07/29/2016 4:05 PM	38559
	ND	Result MCL	Method	Result MCL Limit Qual. Method: EPA-200.8-Rev 5 ND 1,300 100	Result MCL Limit Qual. Units Method: EPA-200.8-Rev 5.4, 1994 ND 1,300 100 μg/L	Result MCL Limit Qual. Units Factor Method: EPA-200.8-Rev 5.4, 1994 ND 1,300 100 μg/L 1	Result MCL Limit Qual. Units Factor Date Analyzed Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk ND 1,300 100 μg/L 1 07/29/2016 4:05 PM

Client Sample ID: 510-C128-DF1U Matrix: DRINKING WATER

Lab ID: 1607F75-002 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Report **Dilution** Factor Date Analyzed Result MCL Limit **Parameter** Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper 377 1,300 100 μg/L 07/31/2016 9:55 AM 38559 Lead ND 5.00 07/30/2016 6:16 PM 38559 15.0 μg/L

Client Sample ID: 510-F101-DF2L Matrix: DRINKING WATER

Lab ID: 1607F75-003 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

Report Dilution Factor Date Analyzed MCL Limit **Parameter** Result **Batch ID Qual.** Units Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper 602 1,300 100 μg/L 07/31/2016 9:57 AM 38559 Lead ND 15.0 5.00 μg/L 07/30/2016 6:18 PM 38559

Client Sample ID: 510-D223-DF3U **Matrix: DRINKING WATER**

Lab ID: 1607F75-004 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Report **Dilution** MCL Limit Factor Date Analyzed Result Units **Batch ID Parameter** Qual. Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 740 1,300 07/31/2016 10:01 AM 38559 Copper 100 μg/L 1 Lead ND 15.0 5.00 μg/L 1 07/30/2016 6:20 PM 38559



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Plank Jr High Drinking Water Lead and Copper Workorder: 1607F75

Client Sample ID: 510-D101-DF4L

Matrix: DRINKING WATER **Lab ID:** 1607F75-005 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Metho	d: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	470	1,300	100		μg/L	1	07/31/2016 10:03 AM	38559
Lead	ND	15.0	5.00		μg/L	1	07/30/2016 6:22 PM	38559



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

PREP DATES REPORT

Client: Report Date: August 03, 2016 Hygieneering, Inc.

Project: Plank Jr High Drinking Water Lea Lab Order: 1607F75

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607F75-001A	7/19/2016	38642	ICPMS_DWPR	Drinking Water Prep	7/28/2016
		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F75-002A		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F75-003A		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F75-004A		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F75-005A		38559	TURB_METALS	Turbidity Check	7/26/2016

Qualifier Definitions

WO#: **1607F75**Date: **8/3/2016**

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
Т	Analyte detected in sample trip blank

White-Original Pink-Sampler Conv.	White	*****		Rev. 07/20/08			ons on back.	erms and Conditi	Submission of samples subject to Terms and Conditions on back.	Submission of
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Date	4. Relinquished By	Date	shed By	3. Relinquished By	Date		2. Relinquished By	Date	<i>^</i>	t. Relinquished By
Label conflicts with COC	7								NaOH, Sodium Bisulfate (NaB), NaThio	VaOH, Sodium Bisui
Received frozen	o g								Methanol (MeOH)	H ₂ SO ₄ , HCl, HNO ₃ , Methanol (MeOH)
Received past holding time	n i								Giass (G), Plastic (P) PRESERVATIVE:	Slass (G), Plastic (P
3. Insufficient sample volume	, 60								40z, 80z, 40ml Vial, 500ml, Liter (L), Tube	foz, 8oz, 40ml Vial.
2. Improper preservation	- 22								Studge (II) (Mine (P) CONTAINED: 207	Shidae (TI) Wine (BV)
1. Improper/damaged container/cap	, A								<u>. </u>	Waste Water (WW)
CONDITION CODES						SNC	COMMENTS & SPECIAL INSTRUCTIONS:	OMMENTS & SP	MATRIX; Drinking Water (DW), Soil (S), CC	MATRIX: Drinking \
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\(\omega_{\omega} \)	www.suburbanlabs.com	Toll Free: 800.783.LABS w		60 Fax: 708.544.8587	708.544.3260	Tel.	1950 S. Batavia Ave., Ste 150, Geneva, IL 60134	Ave., Ste 150,	 1950 S. Batavia 	
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SUBURBAN LABORATORIES, Inc.



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: 1607F76

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Long Beach Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/19/2016 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

Logistics Manager

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Long Beach Drinking Water Lead and Copper A PO #:
WorkOrder: 1607F76 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:

1607F76-001A - 005A was preserved in the lab.



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

Laboratory Results

07/30/2016 6:27 PM

07/31/2016 10:21 AM

07/30/2016 6:34 PM

38559

38559

38559

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Long Beach Drinking Water Lead and Copper A Workorder: 1607F76

Client Sample ID: 67-123-BFP

Lab ID: 1607F76-001 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Dilution Report

MCL Limit Factor Date Analyzed **Parameter** Result Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper 1,100 1,300 100 07/31/2016 10:13 AM 38559 μg/L Lead 456 5.00 µg/L 07/30/2016 6:23 PM 38559 15.0

Client Sample ID: 67-123-DF1U Matrix: DRINKING WATER

Lab ID: 1607F76-002 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

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

575 Copper 1,300 100 07/31/2016 10:15 AM 38559 μg/L Lead ND 5.00 07/30/2016 6:25 PM 38559 15.0 μg/L

Client Sample ID: 67-104-DF3 Matrix: DRINKING WATER

Lab ID: 1607F76-003 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

Report Dilution MCL Limit Factor Date Analyzed Result **Batch ID Parameter** Qual. Units Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper 353 1,300 100 μg/L 07/31/2016 10:19 AM 38559

5.00 Client Sample ID: 67-111-DF3 **Matrix: DRINKING WATER**

100

5.00

ND

655

ND

15.0

1,300

15.0

Lab ID: 1607F76-004 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

μg/L

μg/L

μg/L

1

1

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

Created: 8/3/2016 10:08:02 AM

Lead

Copper

Lead



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Long Beach Drinking Water Lead and Copper A Workorder: 1607F76

Client Sample ID: 67-G-DF4L

Matrix: DRINKING WATER

Lab ID: 1607F76-005 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
								_
METALS BY ICPMS			Method:	EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	464	1,300	100		μg/L	1	07/31/2016 10:25 AM	38559
Lead	ND	15.0	5.00		μg/L	1	07/30/2016 6:36 PM	38559



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

PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: August 03, 2016

Project: Long Beach Drinking Water Lead Lab Order: 1607F76

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607F76-001A	7/19/2016	38559	TURB_METALS	Turbidity Check	7/26/2016
1607F76-002A		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F76-003A		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F76-004A		38559	TURB_METALS	Turbidity Check	7/26/2016
1607F76-005A		38559	TURB_METALS	Turbidity Check	7/26/2016

Created: 8/3/2016 10:08:03 AM

Qualifier Definitions

WO#: **1607F76**Date: **8/3/2016**

Qualifiers:

Value exceeds Maximum Contaminant Level
Analyte detected in the associated Method Blank
Value is below Minimum Concentration Limit
Analyte not in SLI scope of accredidation
Estimated, detected above quantitation range
Refer to case narrative page for specific comments
Holding times for preparation or analysis exceeded
Analyte detected below quantitation limit (QL)
Tentatively identified compounds
Not Detected at the Reporting Limit
Present
Accredidation is not available from Wisconsin
RPD outside accepted recovery limits
Spike Recovery outside accepted recovery limits
Analyte detected in sample trip blank

Created: 8/3/2016 10:08:03 AM

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olding time	Received past holding time	5-								IVE:	Glass (G), Plastic (P) PRESERVATIVE:	Glass (G).
ubbles for VOCs	Headspace/air bubbles for VOCs	4								Tube,	4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube,	40z, 80z, 4
le volume	Insufficient sample volume	<u> </u>								2oz,	Studge (U), Wipe (P) CONTAINER: 20z.	Sludge (U)
ation	Improper preservation	N								νA),	Ground Water (GW), Solid Waste (WA),	Ground Wa
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ners D Yes	Sample containers			☐ MWRDGC	□ NPDES	☐ 503 Sludge			<	25	SOO HAD USON	5) oc. 14
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		www.suburbanlabs.com).783.LABS		0 Fax: 708.544.8587	708.544.3260	턴	1950 S. Batavia Ave., Ste 150, Geneva, IL 60134	we., Ste 150, o	Batavia A	9	
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SUBURBAN LABORATORIES, Inc.



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

August 05, 2016

Bob Anderson Hygieneering, Inc. 7575 Plaza Court Willowbrook, IL 60521 Workorder: 1607F77

TEL: (630) 654-2550

FAX:

RE: Boulder Hill Elementary Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/19/2016 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

Logistics Manager

Tanu Rodyu

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 05, 2016

Project: Boulder Hill Elementary Drinking Water Lead a PO #:
WorkOrder: 1607F77 OC 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:

1607F77-001A - 005A was preserved in the lab.



Lead

Lead

Lead

Suburban Laboratories, Inc.

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

ND

ND

ND

15.0

15.0

15.0

Laboratory Results

07/30/2016 6:38 PM

07/30/2016 6:40 PM

07/29/2016 6:33 PM

38560

38560

38560

Client ID: Hygieneering, Inc. Report Date: August 05, 2016

Project Name: Boulder Hill Elementary Drinking Water Lead an Workorder: 1607F77

Client Sample ID: 163-23-BFP

Matrix: DRINKING WATER **Lab ID:** 1607F77-001 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Dilution Report

Parameter	Result	MCL	Limit	Qual.	Units	Factor		Batch ID
METALS BY ICPMS			Method	d: EPA-200.8-Rev 5.4	1, 1994		Analyst: jmk	
Copper	ND	1,300	100		μg/L	1	08/03/2016 9:16 PM	38560
Lead	9.15	15.0	5.00		μg/L	1	07/29/2016 6:26 PM	38560

Client Sample ID: 163-46-DF1 Matrix: DRINKING WATER

Lab ID: 1607F77-002 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Report **Dilution** MCL Limit Factor Date Analyzed Result **Parameter** Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk 38560 Copper 162 1,300 100 μg/L 07/31/2016 10:27 AM

μg/L

μg/L

μg/L

1

5.00 Client Sample ID: 163-B-DF2L Matrix: DRINKING WATER

Lab ID: 1607F77-003 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Report Dilution Factor Date Analyzed MCL Limit Units Result **Batch ID Parameter** Qual. **METALS BY ICPMS** Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk Copper 179 1,300 100 μg/L 07/31/2016 10:38 AM 38560

5.00 Client Sample ID: 163-18-DF3 **Matrix: DRINKING WATER**

5.00

Lab ID: 1607F77-004 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Report **Dilution** MCL Limit Factor Date Analyzed Result Units **Batch ID Parameter** Qual. Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** ND 1,300 100 07/29/2016 6:33 PM 38560 Copper μg/L 1

Created: 8/5/2016 3:40:08 PM



Laboratory Results

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

Client ID: Hygieneering, Inc. Report Date: August 05, 2016

Project Name: Boulder Hill Elementary Drinking Water Lead an Workorder: 1607F77

Client Sample ID: 163-38-DF4

Matrix: DRINKING WATER

Lab ID: 1607F77-005 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

			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	153	1,300	100		μg/L	1	07/31/2016 10:40 AM	38560
Lead	ND	15.0	5.00		μg/L	1	07/30/2016 6:41 PM	38560

Created: 8/5/2016 3:40:08 PM



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

PREP DATES REPORT

Client: Report Date: August 05, 2016 Hygieneering, Inc.

Project: Boulder Hill Elementary Drinking Lab Order: 1607F77

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607F77-001A	7/19/2016	38560	TURB_METALS	Turbidity Check	7/26/2016
1607F77-002A		38560	TURB_METALS	Turbidity Check	7/26/2016
1607F77-003A		38560	TURB_METALS	Turbidity Check	7/26/2016
1607F77-004A		38560	TURB_METALS	Turbidity Check	7/26/2016
1607F77-005A		38560	TURB_METALS	Turbidity Check	7/26/2016

Page 5 of 7 Created: 8/5/2016 3:40:08 PM

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

Qualifier Definitions

WO#: **1607F77**Date: **8/5/2016**

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 6 of 7 Created: 8/5/2016 3:40:09 PM

SUBURBAN LABORATORIES, Inc.



August 03, 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: 1607F79

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

TEL: (630) 654-2550

FAX:

RE: Old Post Elementary Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/19/2016 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

Logistics Manager

Tanu Rodyu

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Old Post Elementary Drinking Water Lead and PO #:
WorkOrder: 1607F79 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:

1607F79-001A - 005A was preserved in the lab.

Page 2 of 7
Created: 8/3/2016 10:41:19 PM



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Old Post Elementary Drinking Water Lead and C Workorder: 1607F79

Client Sample ID: 100-BB-BFP

 Imple ID: 100-BB-BFP
 Matrix: DRINKING WATER

 Lab ID: 1607F79-001
 Date Received: 07/19/2016 4:18 PM
 Collection Date: 07/19/2016 12:00 AM

Report Dilution

Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Meth	od: EPA-200.8-Rev	5.4, 1994		Analyst: jmk	
Copper	114	1,300	100		μg/L	1	07/31/2016 10:44 AM	38560
Lead	17.2	15.0	5.00	*	μg/L	1	07/30/2016 6:43 PM	38560

Client Sample ID: 100-G1B-DF1 Matrix: DRINKING WATER

Lab ID: 1607F79-002 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

			Report		Dilution		
Parameter	Result	MCL	Limit	Qual. Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Metho	od: EPA-200.8-Rev 5.4, 1994		Analyst: jmk	
Copper	459	1,300	100	μg/L	1	07/31/2016 10:46 AM	38560
Lead	ND	15.0	5.00	μg/L	1	07/30/2016 6:45 PM	38560

Client Sample ID: 100-217B-DF2

Matrix: DRINKING WATER

Lab ID: 1607F79-003 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

			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	213	1,300	100		μg/L	1	07/31/2016 10:50 AM	38560
Lead	ND	15.0	5.00		μg/L	1	07/30/2016 6:47 PM	38560

Client Sample ID: 100-121-DF3

Matrix: DRINKING WATER

					0011001		7 1 3 7 2 0 1 0 1 2 1 0 0 1 1 1 1 1	
Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	303	1,300	100		μg/L	1	07/31/2016 10:52 AM	38560
Lead	ND	15.0	5.00		μg/L	1	07/30/2016 6:48 PM	38560

Created: 8/3/2016 10:41:20 PM



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Old Post Elementary Drinking Water Lead and C Workorder: 1607F79

Client Sample ID: 100-400-DF4

Matrix: DRINKING WATER **Lab ID:** 1607F79-005

Date Received: 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	l: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	396	1,300	100		μg/L	1	07/31/2016 11:02 AM	38560
Lead	ND	15.0	5.00		μg/L	1	07/30/2016 6:55 PM	38560

Created: 8/3/2016 10:41:20 PM



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

PREP DATES REPORT

Report Date: August 03, 2016 **Client:** Hygieneering, Inc.

Lab Order: 1607F79 **Project:** Old Post Elementary Drinking Wat

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1607F79-001A	7/19/2016	38560	TURB_METALS	Turbidity Check		7/26/2016
1607F79-002A		38560	TURB_METALS	Turbidity Check		7/26/2016
1607F79-003A		38560	TURB_METALS	Turbidity Check		7/26/2016
1607F79-004A		38560	TURB_METALS	Turbidity Check		7/26/2016
1607F79-005A		38560	TURB_METALS	Turbidity Check		7/26/2016

Page 5 of 7 Created: 8/3/2016 10:41:21 PM

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

Qualifier Definitions

WO#: **1607F79** Date: 8/3/2016

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 Created: 8/3/2016 10:41:21 PM

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dume	 Insufficient sample volume 	2.2								NER: 20z.	Sludge (U), Wipe (P) CONTAINER; 2oz.	Sludge (
3	Improper preservation	.								aste (WA),	Ground Water (GW), Solid Waste (WA),	Ground
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o, 22	Temperature of Received Samples		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*Please specify in comment section below.	Other*	□ Disposal			2	(TAV Q2	MAIN OUT	1
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SUBURBAN LABORATORIES, Inc.



August 03, 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: 1607F81

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

TEL: (630) 654-2550

FAX:

RE: Thompson Jr High Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/19/2016 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

Logistics Manager

Tanu Rodyu

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Thompson Jr High Drinking Water Lead and Co
PO #:
WorkOrder: 1607F81
OC Level:

Temperature of samples upon receipt at SLI: 3 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:

1607F81-001A - 005A was preserved in the lab.

Page 2 of 7



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

Laboratory Results

Matrix: DRINKING WATER

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Thompson Jr High Drinking Water Lead and Cop Workorder: 1607F81

Client Sample ID: 440-1102-BFP

Report Dilution

Factor Date Analyzed Result MCL Limit **Batch ID Parameter** Oual. Units Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper 245 1,300 100 07/30/2016 5:55 PM 38560 µg/L Lead 35.5 15.0 5.00 μg/L 07/30/2016 5:55 PM 38560

Client Sample ID: 440-1169-DF1 Matrix: DRINKING WATER

Lab ID: 1607F81-002 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

Dilution Report MCL Limit **Parameter** Result Qual. Units Factor Date Analyzed **Batch ID** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper 486 1,300 100 07/31/2016 11:04 AM 38560 μg/L 5.00 07/30/2016 6:57 PM 38560 Lead ND 15.0 μg/L

Client Sample ID: 440-1203-DF2

Matrix: DRINKING WATER

Lab ID: 1607F81-003 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

Dilution Report MCL Limit Result Oual. Factor Date Analyzed **Batch ID Parameter** Units **METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper 472 1,300 100 07/31/2016 11:08 AM 38560 μg/L 07/30/2016 6:59 PM 38560 Lead ND 15.0 5.00 μg/L

Client Sample ID: 440-2125-DF3

Matrix: DRINKING WATER

Lab ID: 1607F81-004 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

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
 640
 1,300
 100
 μg/L
 1
 07/31/2016 11:10 AM
 38560

 Lead
 ND
 15.0
 5.00
 μg/L
 1
 07/30/2016 7:01 PM
 38560

Page 3 of 7 Created: 8/3/2016 10:48:01 PM



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Thompson Jr High Drinking Water Lead and Cop Workorder: 1607F81

Client Sample ID: 440-2368-DF4L

Matrix: DRINKING WATER **Lab ID:** 1607F81-005 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

			Report		Dilution			
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	498	1,300	100		μg/L	1	07/31/2016 11:15 AM	38560
Lead	ND	15.0	5.00		μg/L	1	07/30/2016 7:03 PM	38560

Created: 8/3/2016 10:48:01 PM



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

PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: August 03, 2016

Project: Thompson Jr High Drinking Water Lab Order: 1607F81

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607F81-001A	7/19/2016	38642	ICPMS_DWPR	Drinking Water Prep	7/28/2016
		38560	TURB_METALS	Turbidity Check	7/26/2016
1607F81-002A		38560	TURB_METALS	Turbidity Check	7/26/2016
1607F81-003A		38560	TURB_METALS	Turbidity Check	7/26/2016
1607F81-004A		38560	TURB_METALS	Turbidity Check	7/26/2016
1607F81-005A		38560	TURB_METALS	Turbidity Check	7/26/2016

Created: 8/3/2016 10:48:01 PM

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

Qualifier Definitions

WO#: **1607F81**Date: **8/3/2016**

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

Created: 8/3/2016 10:48:02 PM

Control Note	Pink-Sampl	White-Original, Pink-Sampler Copy	Whit			Rev. 07/20/08			s on back.	Submission of samples subject to Terms and Conditions on back.	oles subject to Ter	mission of samp	Subi
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SUBURBAN LABORALORIES, Inc. CHAIN OF CUSTODY RECORD # 134 Tol. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com Mykane Myk				× ×	and the same of th		J-80-27				ا	4	
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SUBURBAN LABORATORIES, Inc.



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: 1607F82

August 05, 2016

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

TEL: (630) 654-2550

FAX:

RE: Southbury Elementary Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/19/2016 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

Logistics Manager

Tanu Rodyu

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 05, 2016

Project: Southbury Elementary Drinking Water Lead and PO #: WorkOrder: 1607F82 OC 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:

1607F82-001A - 005A was preserved in the lab.



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 05, 2016

Project Name: Southbury Elementary Drinking Water Lead and Workorder: 1607F82

Client Sample ID: 820-A140-BFP

Matrix: DRINKING WATER **Lab ID:** 1607F82-001 **Date Received:** 07/19/2016 4:18 PM

Collection Date: 07/19/2016 12:00 AM

			Report			Dilution				
Parameter	Result	MCL	Limit	Qual. U	J nits	Factor	Date Analyzed	Batch ID		
METALS BY ICPMS			Me	ethod: EPA-200.8-Rev 5.4,	1994		Analyst: jmk			
Copper	331	1,300	100		µg/L	1	07/30/2016 5:53 PM	38560		
Lead	101	15.0	5.00	*	µg/L	1	07/30/2016 5:53 PM	38560		

Client Sample ID: 820-B121-DF1 Matrix: DRINKING WATER

Lab ID: 1607F82-002 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Report **Dilution** MCL Limit Factor Date Analyzed Result **Parameter** Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk 38560 Copper 370 1,300 100 μg/L 07/31/2016 11:17 AM Lead ND 5.00 μg/L 07/30/2016 7:04 PM 38560 15.0

Client Sample ID: 820-A119-DF2 Matrix: DRINKING WATER

Lab ID: 1607F82-003 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Report Dilution Factor Date Analyzed MCL Limit Result **Batch ID Parameter** Qual. Units **METALS BY ICPMS** Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk Copper ND 1,300 100 μg/L 08/03/2016 9:22 PM 38560 Lead ND 15.0 5.00 μg/L 07/29/2016 7:09 PM 38560

Client Sample ID: 820-A215-DF3L **Matrix: DRINKING WATER**

Lab ID: 1607F82-004 **Date Received:** 07/19/2016 4:18 PM Collection Date: 07/19/2016 12:00 AM

Report **Dilution** MCL Limit Factor Date Analyzed Result Units **Batch ID Parameter** Qual. Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 1,300 07/31/2016 11:27 AM 38560 Copper 536 100 μg/L 1 Lead ND 15.0 5.00 μg/L 1 07/30/2016 7:06 PM 38560

Created: 8/5/2016 3:41:32 PM



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 05, 2016

Project Name: Southbury Elementary Drinking Water Lead and Workorder: 1607F82

Client Sample ID: 820-B121-DF4

Matrix: DRINKING WATER

Lab ID: 1607F82-005 **Date Received:** 07/19/2016 4:18 PM **Collection Date:** 07/19/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	l: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	204	1,300	100		μg/L	1	07/31/2016 11:29 AM	38560
Lead	ND	15.0	5.00		μg/L	1	07/30/2016 7:08 PM	38560

Created: 8/5/2016 3:41:33 PM



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

PREP DATES REPORT

Client: Report Date: August 05, 2016 Hygieneering, Inc.

Project: Southbury Elementary Drinking W Lab Order: 1607F82

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607F82-001A	7/19/2016	38642	ICPMS_DWPR	Drinking Water Prep	7/28/2016
		38560	TURB_METALS	Turbidity Check	7/26/2016
1607F82-002A		38560	TURB_METALS	Turbidity Check	7/26/2016
1607F82-003A		38560	TURB_METALS	Turbidity Check	7/26/2016
1607F82-004A		38560	TURB_METALS	Turbidity Check	7/26/2016
1607F82-005A		38560	TURB_METALS	Turbidity Check	7/26/2016

Page 5 of 7 Created: 8/5/2016 3:41:33 PM

Qualifier Definitions

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

WO#: **1607F82**Date: **8/5/2016**

Qualifiers:

Value exceeds Maximum Contaminant Level
Analyte detected in the associated Method Blank
Value is below Minimum Concentration Limit
Analyte not in SLI scope of accredidation
Estimated, detected above quantitation range
Refer to case narrative page for specific comments
Holding times for preparation or analysis exceeded
Analyte detected below quantitation limit (QL)
Tentatively identified compounds
Not Detected at the Reporting Limit
Present
Accredidation is not available from Wisconsin
RPD outside accepted recovery limits
Spike Recovery outside accepted recovery limits
Analyte detected in sample trip blank

Page 6 of 7

Subm	Received By	T. Keen	HOEN	Glass (4oz, 8o.	Sludge	Ground	Waste \	12	1	10	ဖ	∞	7	6	U 1	4	ω ~	2	<u> </u>	.		Sample	Jogo		n n	Phone	ÇİV	Compa	Compa	6
Submission of samples subject to Terms and Conditions on back.	present 6-	Rounduisned By Date Trigger	ulfate (NaB), NaThio	Glass (G). Plastic (P) PRESERVATIVE: H ₂ SO ₄ , HCl, HNO ₅ , Methanoi (MeOH)	4oz, 8oz, 40m! Vial, 500ml, Liter (L), Tube,	Sludge (U), Wipe (P) CONTAINER; 2oz,	Ground Water (GW), Solid Waste (WA),	Waste Water (WW), Surface Water(SW),	4		THE PROPERTY OF THE PROPERTY O					820-812-054	80 - 415 - DFW	820 - 1410 - DF2	820 - 18121 - 1271	820 - PH40 - BFP	*Use One Line Per Preservation & Container Type*	SAMPLE IDENTIFICATION	Sample Collector(s) Name	COS HADDER OF SCA	SOUTH BUYY TUNGSTAN	Ellin voltess	68.654.7550 Fax		Company Address To Daza Ct	Company Name Hugh Machine The	SUBURBAN 1950 S. Batavia Ave
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White-Original, Pink-Sampler Copy	☐ Ice present		7. Label conflicts with COC	 Received past holding time Received frozen 	4. Headspace/air bubbles for VOCs	3, Insufficient sample volume	2, Improper preservation	CONDITION CODES 1. Improper/damaged container/cap													R Condition	Samples received the same day as collection?	Temperature of Received Samples	Sample containers supplied by customer?	SLI ORDER No. O	LAB US	Reporting Level (at additional charge)	Shipping Method	PO No.	Page of	#
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SUBURBAN LABORATORIES, Inc.



Tel. (708) 544-3260 • Toll Free (800) 783-LABS Fax (708) 544-8587 www.suburbanlabs.com

Workorder: 1607G41

1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Lakewood Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/20/2016 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

Logistics Manager

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Lakewood Drinking Water Lead and Copper An PO #:
WorkOrder: 1607G41 OC Level:

Temperature of samples upon receipt at SLI: C Chain of Custody #: 134019

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:

1607G41-001A - 005A was preserved in the lab.

Created: 8/3/2016 10:14:12 AM



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Workorder: 1607G41 Project Name: Lakewood Drinking Water Lead and Copper Ana

Client Sample ID: BFP-2301

Matrix: DRINKING WATER **Lab ID:** 1607G41-001 **Date Received:** 07/20/2016 11:31 AM

Collection Date: 07/20/2016 7:40 AM

			Report			l			
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID	
METALS BY ICPMS			Metho	od: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk		
Copper	1,670	1,300	100	*	μg/L	1	07/29/2016 3:16 PM	38517	
Lead	409	15.0	5.00	*	μg/L	1	07/29/2016 3:16 PM	38517	
GH + G L TD DE14 4204	•						•		

Client Sample ID: DF1-2301 Matrix: DRINKING WATER

Lab ID: 1607G41-002 **Date Received:** 07/20/2016 11:31 AM **Collection Date:** 07/20/2016 7:42 AM

Parameter	Result	MCL	Report Limit	Qual. U	J nits	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	l: EPA-200.8-Rev 5.4,	1994		Analyst: jmk	
Copper	558	1,300	100	ı	µg/L	1	07/25/2016 5:40 PM	38517
Lead	ND	15.0	5.00	I	µg/L	1	07/25/2016 5:40 PM	38517

Client Sample ID: DF2-2301 Matrix: DRINKING WATER

Lab ID: 1607G41-003 **Date Received:** 07/20/2016 11:31 AM **Collection Date:** 07/20/2016 7:50 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	l: EPA-200.8-Rev 5	.4, 1994		Analyst: jmk	
Copper	ND	1,300	100		μg/L	1	07/25/2016 5:42 PM	38517
l ead	ND	15.0	5.00		ua/l	1	07/25/2016 5:42 PM	38517

Client Sample ID: DF3-2301 Matrix: DRINKING WATER

Lab ID: 1607G41-004 **Date Received:** 07/20/2016 11:31 AM **Collection Date:** 07/20/2016 7:53 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	d: EPA-200.8-Rev 5.	4, 1994		Analyst: jmk	
Copper Lead	248 ND	1,300 15.0	100 5.00		μg/L μg/L	1 1	07/25/2016 5:44 PM 07/25/2016 5:44 PM	38517 38517

Created: 8/3/2016 10:14:13 AM



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Lakewood Drinking Water Lead and Copper Ana Workorder: 1607G41

Client Sample ID: DF4-2301 **Matrix:** DRINKING WATER

Lab ID: 1607G41-005 **Date Received:** 07/20/2016 11:31 AM **Collection Date:** 07/20/2016 7:55 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Metho	d: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	333	1,300	100		μg/L	1	07/25/2016 5:46 PM	38517
Lead	ND	15.0	5.00		μg/L	1	07/25/2016 5:46 PM	38517

Created: 8/3/2016 10:14:13 AM



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

PREP DATES REPORT

Client: Report Date: August 03, 2016 Hygieneering, Inc.

Project: Lakewood Drinking Water Lead an Lab Order: 1607G41

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607G41-001A	7/20/2016 7:40:00 A	38566	ICPMS_DWPR	Drinking Water Prep	7/25/2016
		38517	TURB_METALS	Turbidity Check	7/25/2016
1607G41-002A	7/20/2016 7:42:00 A	38517	TURB_METALS	Turbidity Check	7/25/2016
1607G41-003A	7/20/2016 7:50:00 A	38517	TURB_METALS	Turbidity Check	7/25/2016
1607G41-004A	7/20/2016 7:53:00 A	38517	TURB_METALS	Turbidity Check	7/25/2016
1607G41-005A	7/20/2016 7:55:00 A	38517	TURB_METALS	Turbidity Check	7/25/2016

Created: 8/3/2016 10:14:13 AM

Qualifier Definitions

WO#: **1607G41**Date: **8/3/2016**

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
Т	Analyte detected in sample trip blank

Created: 8/3/2016 10:14:14 AM

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olding tin	5. Received past holding time	0 (2								Glass (G), Plastic (P) PRESERVATIVE: H.SO., HCI, HNO., Methanol (MeOH)	lass (G), Plast
ubbles fo	4. Headspace/air bubbles for VOCs	K								4oz, 8oz, 40m) Vial, 500ml, Liter (L), Tube,	oz, 8oz, 40ml v
vation	 Improper preservation Insufficient sample volume 	(a) - 15								Sludge (U), Wipe (P) CONTAINER: 20z.	ludge (U), Wip
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ners omer?	Sample containers supplied by customer?			☐ MWRDGC	ge NPDES	☐ 503 Sludge			Merson	r (Report to)	Project Manager (Report to)
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	6. Received frozen											anol (MeOH)	H ₂ SO ₄ , HCl, HNO ₃ , Methanol (MeOH)	H ₂ SO ₄ ,
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SUBURBAN LABORATORIES, Inc.



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: 1607G43

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Murphy Jr High Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/20/2016 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

Logistics Manager

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Murphy Jr High Drinking Water Lead and Copp PO #:
WorkOrder: 1607G43 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:

1607G43-001A - 005A was preserved in the lab.

Created: 8/3/2016 10:15:52 AM



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

Laboratory Results

07/25/2016 7:10 PM

38517

Batch ID

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Murphy Jr High Drinking Water Lead and Coppe Workorder: 1607G43

Client Sample ID: BFP-26923 Matrix: DRINKING WATER

Report Dilution

MCL Limit Factor Date Analyzed **Parameter** Result Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper 131 1,300 100 07/29/2016 3:18 PM 38517 μg/L Lead 1,140 5.00 µg/L 07/29/2016 3:18 PM 38517 15.0

Client Sample ID: DF1-26923 Matrix: DRINKING WATER

Report Dilution

Parameter Result MCL Limit Qual. Units Factor Date Analyzed

Batch ID Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper 398 1,300 100 07/25/2016 5:52 PM 38517 μg/L Lead ND 5.00 07/25/2016 5:52 PM 38517 15.0 μg/L

Client Sample ID: DF2-26923 Matrix: DRINKING WATER

Lab ID: 1607G43-003 **Date Received:** 07/20/2016 11:31 AM **Collection Date:** 07/20/2016 9:42 AM

Report Dilution

MCL Limit Factor Date Analyzed Result **Batch ID Parameter** Qual. Units Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper 604 1,300 100 μg/L 07/29/2016 2:29 PM 38517

μg/L

Client Sample ID: DF3-26923

Matrix: DRINKING WATER

5.00

Lab ID: 1607G43-004 **Date Received:** 07/20/2016 11:31 AM **Collection Date:** 07/20/2016 9:44 AM

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

15.0

ND

Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper 321 1,300 100 μg/L 1 07/29/2016 2:33 PM 38517 Lead ND 15.0 5.00 μg/L 1 07/25/2016 7:12 PM 38517

Created: 8/3/2016 10:15:53 AM

Lead



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Murphy Jr High Drinking Water Lead and Coppe Workorder: 1607G43

Client Sample ID: DF4-26923 **Matrix:** DRINKING WATER

Lab ID: 1607G43-005 **Date Received:** 07/20/2016 11:31 AM **Collection Date:** 07/20/2016 9:48 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	d: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	496	1.300	100		μg/L	1	07/29/2016 2:34 PM	38517
Lead	ND	15.0	5.00		μg/L	1	07/25/2016 7:14 PM	38517

Created: 8/3/2016 10:15:53 AM



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

PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: August 03, 2016

Project: Murphy Jr High Drinking Water L Lab Order: 1607G43

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607G43-001A	7/20/2016 9:35:00 A	38566	ICPMS_DWPR	Drinking Water Prep	7/25/2016
		38517	TURB_METALS	Turbidity Check	7/25/2016
1607G43-002A	7/20/2016 9:39:00 A	38517	TURB_METALS	Turbidity Check	7/25/2016
1607G43-003A	7/20/2016 9:42:00 A	38517	TURB_METALS	Turbidity Check	7/25/2016
1607G43-004A	7/20/2016 9:44:00 A	38517	TURB_METALS	Turbidity Check	7/25/2016
1607G43-005A	7/20/2016 9:48:00 A	38517	TURB_METALS	Turbidity Check	7/25/2016

Created: 8/3/2016 10:15:53 AM

Qualifier Definitions

WO#: **1607G43**Date: **8/3/2016**

Qualifiers:

$*/_{\rm X}$	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

Created: 8/3/2016 10:15:53 AM

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ing time	5. Received past holding time										· [Class (G), Flasco (F) FRESERVALIVE	H 80 (0), T
bles for VOCs	4. Headspace/air bubbles for VOCs										Î E	Hoz, 602, 40m vial, 500m, Liter (L), 145e,	Closs (C) 0
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NaOH, So	ulfate (NaB), NaThio						
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Submis	Submission of samples subject to Terms and Conditions on back.	nditions on back.		Rev. 07/20/08			

SUBURBAN LABORATORIES, Inc.



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: 1607G45

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Grande Park Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/20/2016 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

Logistics Manager

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Grande Park Drinking Water Lead and Copper PO #:
WorkOrder: 1607G45 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:

1607G45-001A - 005A was preserved in the lab.

Created: 8/3/2016 10:17:27 AM



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

Laboratory Results

07/29/2016 3:20 PM

38518

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Grande Park Drinking Water Lead and Copper A Workorder: 1607G45

Client Sample ID: BFP-26933

Matrix: DRINKING WATER **Lab ID:** 1607G45-001 **Date Received:** 07/20/2016 11:31 AM **Collection Date:** 07/20/2016 9:00 AM

Dilution Report

MCL Limit Factor Date Analyzed **Parameter** Result Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper 108 1,300 100 07/29/2016 2:36 PM 38518 μg/L Lead ND 5.00 µg/L 07/25/2016 7:16 PM 38518 15.0

Client Sample ID: DF1-26933 Matrix: DRINKING WATER

Lab ID: 1607G45-002 **Date Received:** 07/20/2016 11:31 AM **Collection Date:** 07/20/2016 9:05 AM

Report Dilution Factor Date Analyzed MCL Limit **Parameter** Result Qual. Units **Batch ID** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper ND 1,300 100 07/25/2016 7:18 PM 38518 μg/L Lead ND 5.00 07/25/2016 7:18 PM 38518 15.0 μg/L

Client Sample ID: DF2-26933 Matrix: DRINKING WATER

Lab ID: 1607G45-003 **Date Received:** 07/20/2016 11:31 AM Collection Date: 07/20/2016 9:07 AM

Report Dilution MCL Limit Factor Date Analyzed Result **Batch ID Parameter** Qual. Units Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper 160 1,300 100 μg/L 07/29/2016 3:20 PM 38518

μg/L

5.00 Client Sample ID: DF3-26933 **Matrix: DRINKING WATER**

15.0

ND

Lab ID: 1607G45-004 **Date Received:** 07/20/2016 11:31 AM Collection Date: 07/20/2016 9:10 AM

Dilution Report MCL Limit Factor Date Analyzed Result Units **Batch ID Parameter** Qual. Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** Copper ND 1,300 100 μg/L 1 07/25/2016 7:22 PM 38518 Lead ND 15.0 5.00 μg/L 1 07/25/2016 7:22 PM 38518

Created: 8/3/2016 10:17:28 AM

Lead



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Grande Park Drinking Water Lead and Copper A Workorder: 1607G45

Client Sample ID: DF4-26933 **Matrix:** DRINKING WATER

Lab ID: 1607G45-005 **Date Received:** 07/20/2016 11:31 AM **Collection Date:** 07/20/2016 9:15 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	d: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	205	1,300	100		μg/L	1	07/29/2016 2:38 PM	38518
Lead	ND	15.0	5.00		μg/L	1	07/25/2016 7:24 PM	38518

Created: 8/3/2016 10:17:28 AM



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

PREP DATES REPORT

Client: Report Date: August 03, 2016 Hygieneering, Inc.

Project: Grande Park Drinking Water Lead Lab Order: 1607G45

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1607G45-001A	7/20/2016 9:00:00 A	38518	TURB_METALS	Turbidity Check		7/25/2016
1607G45-002A	7/20/2016 9:05:00 A	38518	TURB_METALS	Turbidity Check		7/25/2016
1607G45-003A	7/20/2016 9:07:00 A	38566	ICPMS_DWPR	Drinking Water Prep		7/25/2016
		38518	TURB_METALS	Turbidity Check		7/25/2016
1607G45-004A	7/20/2016 9:10:00 A	38518	TURB_METALS	Turbidity Check		7/25/2016
1607G45-005A	7/20/2016 9:15:00 A	38518	TURB_METALS	Turbidity Check		7/25/2016

Created: 8/3/2016 10:17:28 AM

Qualifier Definitions

WO#: **1607G45**Date: **8/3/2016**

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

Created: 8/3/2016 10:17:28 AM

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Date	4. Relinquished By	Date	shed By	3. Relinquished By	Date		2. Relinquished By	7/20/16	uisned by	1. Kelinquish
7. Label conflicts with COC									aOH, Sodium Bisulfate (NaB), NaThio	NaOH, S
6. Received frozen									l₂SO₄, HCl, HNO₃, Methanol (MeOH)	H ₂ SO_, H
4. Headspace/air bubbles for VOCs									4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G) Plastic (P) PRESERVATIVE:	40z, 80z
Insufficient sample volume								14	Sludge (U), Wipe (P) CONTAINER: 202.	Sludge (
1. Improper/damaged container/cap									Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA)	Waste V
					-	,,	COMMENTS & SPECIAL INSTRUCTIONS:	_	12 MATRIX: Drinking Water (DW), Soil (S).	MATRIX
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Samples received the same day as collection?				CONTAINERS	GRAB/		COLLECTION	CATION	SAMPLE IDENTIFICATION	<u>Vylanostava</u>
Temperature of Received Samples			*Please specify in comment section below.	Other* Plea	☐ Disposal			T Zors	Sample Collector(s) Name	Sample
Sample containers supplied by customer?			☐ MWRDGC	□ NPDES	☐ 503 Sludge			in Displaced	Project Manager (Report to)	Project I
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SUBURBAN LABORATORIES, Inc.



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: 1607G46

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Fox Chase Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/20/2016 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

Logistics Manager

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Fox Chase Drinking Water Lead and Copper An PO #:
WorkOrder: 1607G46 OC 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:

1607G46-001A - 005A was preserved in the lab.

Created: 8/3/2016 10:19:06 AM



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

Laboratory Results

Analyst: jmk

Analyst: jmk

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Fox Chase Drinking Water Lead and Copper Ana Workorder: 1607G46

Client Sample ID: BFP-260

METALS BY ICPMS

METALS BY ICPMS

mple ID: BFP-260

Matrix: DRINKING WATER

Leb ID: 1607G46 001

Deta Pagaiyad: 07/20/2016 11:30 AM

Lab ID: 1607G46-001 **Date Received:** 07/20/2016 11:30 AM **Collection Date:** 07/20/2016 8:10 AM

Report Dilution
rameter Result MCL Limit Oual, Units Factor

Factor Date Analyzed **Parameter** Qual. **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper ND 1,300 100 07/29/2016 2:47 PM 38518 μg/L Lead 20.7 5.00 µg/L 07/25/2016 7:26 PM 38518 15.0

Client Sample ID: DF1-260 Matrix: DRINKING WATER

Report Dilution

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

Copper 337 1,300 100 μg/L 1 07/29/2016 2:49 PM 38518 Lead ND 15.0 5.00 μg/L 1 07/25/2016 7:42 PM 38518

Method: EPA-200.8-Rev 5.4, 1994

Method: EPA-200.8-Rev 5.4. 1994

Client Sample ID: DF2-260 Matrix: DRINKING WATER

Lab ID: 1607G46-003 **Date Received:** 07/20/2016 11:30 AM **Collection Date:** 07/20/2016 8:15 AM

Report Dilution

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

Copper 447 1,300 100 μg/L 1 07/29/2016 2:51 PM 38518 Lead ND 15.0 5.00 μg/L 1 07/25/2016 7:44 PM 38518

Client Sample ID: DF3-260 Matrix: DRINKING WATER

Lab ID: 1607G46-004 **Date Received:** 07/20/2016 11:30 AM **Collection Date:** 07/20/2016 8:19 AM

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

METALS BY ICPMS

Method: EPA-200.8-Rev 5.4, 1994

Analyst: jmk

Copper 239 1,300 100 μg/L 1 07/29/2016 2:52 PM 38518 Lead ND 15.0 5.00 μg/L 1 07/25/2016 7:46 PM 38518

Created: 8/3/2016 10:19:07 AM



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Fox Chase Drinking Water Lead and Copper Ana Workorder: 1607G46

Client Sample ID: DF4-260 **Matrix:** DRINKING WATER

Lab ID: 1607G46-005 **Date Received:** 07/20/2016 11:30 AM **Collection Date:** 07/20/2016 8:26 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual. U	nits	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	l: EPA-200.8-Rev 5.4, 1	994		Analyst: jmk	
Copper	333	1,300	100	μ	g/L	1	07/29/2016 2:54 PM	38518
Lead	ND	15.0	5.00	μ	g/L	1	07/25/2016 7:48 PM	38518

Created: 8/3/2016 10:19:07 AM



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

PREP DATES REPORT

Client: Report Date: August 03, 2016 Hygieneering, Inc.

Project: Fox Chase Drinking Water Lead an Lab Order: 1607G46

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607G46-001A	7/20/2016 8:10:00 A	38518	TURB_METALS	Turbidity Check	7/25/2016
1607G46-002A	7/20/2016 8:13:00 A	38518	TURB_METALS	Turbidity Check	7/25/2016
1607G46-003A	7/20/2016 8:15:00 A	38518	TURB_METALS	Turbidity Check	7/25/2016
1607G46-004A	7/20/2016 8:19:00 A	38518	TURB_METALS	Turbidity Check	7/25/2016
1607G46-005A	7/20/2016 8:26:00 A	38518	TURB_METALS	Turbidity Check	7/25/2016

Created: 8/3/2016 10:19:08 AM

Qualifier Definitions

WO#: **1607G46**Date: **8/3/2016**

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
Т	Analyte detected in sample trip blank

Created: 8/3/2016 10:19:08 AM

White-Original Bink-Sampler Conv			Rev. 07/20/08		s on back.	Submission of samples subject to Terms and Conditions on back.	nission of samples subj	Sub
Dresent	Ce Time Received By	y □ ce	ne Received By	D Ice Time	Received By	present // 3	acceived by	Kece
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Label conflicts with COC	7.					0	NaOH, Sodium Bisulfate (NaB), NaThio	NaO)
 Received frozen 	<u>න</u> හ)	H ₂ SO ₄ , HCl, HNO ₅ , Methanol (MeOH)	H ₂ SC
4. Headspace/air bubbles for VOCs	4, (Tube,	4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube,) A
Insufficient sample volume	φ					2oz.	Sludge (U), Wipe (P) <u>CONTAINER;</u> 2oz	Sluds
2. Improper preservation	Ŋ					/A),	Ground Water (GW), Solid Waste (WA),	Grou
CONDITION CODES 1. Improper/damaged container/cap					HAL INSTRUCTIONS:	(s), COMMENTS & SPECIAL INSTRUCTIONS: sw),	MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW),	Wast
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Samples received the same day as collection?			CONTAINERS	GRAB/	COLLECTION	TFICATION /	SAMPLE IDENTIFICATION	
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Sample containers supplied by customer?	D2 - 20-	☐ MWRDGC	ludge NPDES	☐ 503 Sludge		Boh Anderson	Project Manager (Report to)	Proje
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င	Temperature of Received Samples				*Please specify in comment section below.	Other* "Please spe section belo		□ Disposal		OCCANA	7	Drilkon	Sample Collector(s) Name	Sample
son ☐ Yes	Sample containers supplied by customer?				☐ MWRDGC	□ NPDES		☐ 503 Sludge		ゝ	Desperso	Bah	Project Manager (Report to)	Project
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34018	£3	Toll Free: 800.783.LABS www.suburbanlabs.com	LABS www.	300.783.1		Fax: 708.544.8587		Tel. 708.544.3260	C	1950 S. Batavia Ave., Ste 150, Geneva, IL 60134	/e., Ste 150, G	S. Batavia Av	1950 8	6
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SUBURBAN LABORATORIES, Inc.



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: 1607G48

August 03, 2016

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

TEL: (630) 654-2550

FAX:

RE: Hunt Club Elementary Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/20/2016 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

Logistics Manager 708-544-3260 ext 214

Tanu Rodyu

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Hunt Club Elementary Drinking Water Lead and PO #:
WorkOrder: 1607G48 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:

1607G48-001A - 005A was preserved in the lab.



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Hunt Club Elementary Drinking Water Lead and Workorder: 1607G48

Client Sample ID: 4001-A128-BFP

Matrix: DRINKING WATER

Lab ID: 1607G48-001 **Date Received:** 07/20/2016 11:31 AM Collection Date: 07/20/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual. U	nits	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Meth	od: EPA-200.8-Rev 5.4, 1	994		Analyst: jmk	
Copper	258	1,300	100	μ	ıg/L	1	07/29/2016 2:56 PM	38518
Lead	13.5	15.0	5.00	μ	ıg/L	1	07/25/2016 7:50 PM	38518
			•		· ·	•		

Client Sample ID: 4001-B121-DF1 Matrix: DRINKING WATER

Lab ID: 1607G48-002 **Date Received:** 07/20/2016 11:31 AM Collection Date: 07/20/2016 12:00 AM

Report **Dilution** Factor Date Analyzed MCL Limit **Parameter** Result Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk Copper 264 1,300 100 07/29/2016 3:09 PM 38518 μg/L Lead ND 5.00 07/25/2016 7:52 PM 38518 15.0 μg/L

Client Sample ID: 4001-A115-DF2L Matrix: DRINKING WATER

Lab ID: 1607G48-003 Date Received: 07/20/2016 11:31 AM Collection Date: 07/20/2016 12:00 AM

Report Dilution MCL Limit Factor Date Analyzed Result **Batch ID Parameter** Qual. Units Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper 120 1,300 100 μg/L 07/29/2016 3:11 PM 38518 Lead ND 15.0 5.00 μg/L 07/25/2016 7:54 PM 38518

Client Sample ID: 4001-A119-DF3 **Matrix: DRINKING WATER**

Lab ID: 1607G48-004 **Date Received:** 07/20/2016 11:31 AM Collection Date: 07/20/2016 12:00 AM

Dilution Report MCL Limit Factor Date Analyzed Result Units **Batch ID Parameter** Qual. Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 38518 Copper ND 1,300 100 μg/L 1 07/25/2016 8:02 PM Lead ND 15.0 5.00 μg/L 1 07/25/2016 8:02 PM 38518



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Hunt Club Elementary Drinking Water Lead and Workorder: 1607G48

Client Sample ID: 4001-A229-DF4U **Matrix:** DRINKING WATER

Lab ID: 1607G48-005 **Date Received:** 07/20/2016 11:31 AM **Collection Date:** 07/20/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	161	1,300	100		μg/L	1	07/25/2016 8:04 PM	38518
Lead	ND	15.0	5.00		μg/L	1	07/25/2016 8:04 PM	38518



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

PREP DATES REPORT

Client: Report Date: August 03, 2016 Hygieneering, Inc.

Project: Hunt Club Elementary Drinking W Lab Order: 1607G48

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607G48-001A	7/20/2016	38518	TURB_METALS	Turbidity Check	7/25/2016
1607G48-002A		38518	TURB_METALS	Turbidity Check	7/25/2016
1607G48-003A		38518	TURB_METALS	Turbidity Check	7/25/2016
1607G48-004A		38518	TURB_METALS	Turbidity Check	7/25/2016
1607G48-005A		38518	TURB_METALS	Turbidity Check	7/25/2016

Qualifier Definitions

WO#: **1607G48**Date: **8/3/2016**

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

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• 1950 S. Batavia Ave., Ste 150, Geneva, IL 60134	<u> </u>	Tel. 708.544.3260 Fax: 708.544.8587	Toll Free: 800.	783.LABS www.suburbanjabs.com	# W W C C
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Phono (630) 654-2550 Fax	☐ Fax Report	Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.	tation or fee schedule. ditional charges apply.		Reporting Level (at 1 2 3 4 additional charge)
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Sample Collector(s) Name	4900-0000000	☐ Disposal ☐ Other* *Ple	"Please specify in comment section below.		Temperature of o C
SAMPLE IDENTIFICATION	COLLECTION	GRAB/ CONTAINERS			Samples received the Yes
Use One Line Per Preservation & Container Type	DATE TIME MATRIX	COMP. Qt	PRESERVATIVE Po Ca		R Condition Split LAB#
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Ground Water (GW), Solid Waste (WA),					2. Improper preservation
Studge (U), Wipe (P) CONTAINER: 2oz.					3. Insufficient sample volume
Glass (G), Plastic (P) PRESERVATIVE:					4. Headspace/air bubbles for VOCs 5. Received past holding time
H ₂ SO ₄ , HOI, HNO ₃ , Methanol (MeOH)					6. Received frozen
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Submission of samples subject to Terms and Conditions on back.	itions on back.	Rev. 07/20/08			White-Original, Pink-Sampler Copy

SUBURBAN LABORATORIES, Inc.



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

August 03, 2016

Bob Anderson Hygieneering, Inc. 7575 Plaza Court Willowbrook, IL 60521 Workorder: 1607G51

TEL: (630) 654-2550

FAX:

RE: Oswego 308 Center Drinking Water Lead and Copper Analysis

Dear Bob Anderson:

Suburban Laboratories, Inc. received 5 sample(s) on 7/20/2016 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

Logistics Manager

708-544-3260 ext 214

pat@suburbanlabs.com



Case Narrative

Client: Hygieneering, Inc.

Date: August 03, 2016

Project: Oswego 308 Center Drinking Water Lead and C

WorkOrder: 1607G51

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:

1607G51-001A - 005A was preserved in the lab.



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Oswego 308 Center Drinking Water Lead and Co Workorder: 1607G51

Client Sample ID: 61-A010-BFP

Matrix: DRINKING WATER **Lab ID:** 1607G51-001 **Date Received:** 07/20/2016 11:31 AM

Collection Date: 07/20/2016 12:00 AM

Dilution Report MCL Limit Factor Date Analyzed **Parameter** Result Qual. Units **Batch ID METALS BY ICPMS** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk 38518 Copper 1,480 1,300 100 07/29/2016 3:21 PM μg/L Lead 128 5.00 µg/L 07/29/2016 3:21 PM 38518 15.0

Client Sample ID: 61-GV3-DF1 Matrix: DRINKING WATER

Lab ID: 1607G51-002 **Date Received:** 07/20/2016 11:31 AM Collection Date: 07/20/2016 12:00 AM

Report Dilution Factor Date Analyzed MCL Limit **Parameter** Result Qual. Units **Batch ID** Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 07/25/2016 8:10 PM Copper 256 1,300 100 38518 μg/L Lead ND 5.00 07/25/2016 8:10 PM 38518 15.0 μg/L

Client Sample ID: 61-A113-DF2 Matrix: DRINKING WATER

Lab ID: 1607G51-003 **Date Received:** 07/20/2016 11:31 AM Collection Date: 07/20/2016 12:00 AM

Report Dilution MCL Limit Factor Date Analyzed Result **Batch ID Parameter** Qual. Units Method: EPA-200.8-Rev 5.4. 1994 Analyst: jmk **METALS BY ICPMS** Copper 100 1,300 100 μg/L 07/25/2016 8:12 PM 38518 Lead ND 15.0 5.00 μg/L 07/25/2016 8:12 PM 38518

Client Sample ID: 61-A224-DF3 **Matrix: DRINKING WATER**

Lab ID: 1607G51-004 **Date Received:** 07/20/2016 11:31 AM Collection Date: 07/20/2016 12:00 AM

Dilution Report MCL Limit Factor Date Analyzed Result Units **Batch ID Parameter** Qual. Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk **METALS BY ICPMS** 38518 Copper ND 1,300 100 μg/L 1 07/25/2016 8:14 PM Lead ND 15.0 5.00 μg/L 1 07/25/2016 8:14 PM 38518



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

Laboratory Results

Client ID: Hygieneering, Inc. Report Date: August 03, 2016

Project Name: Oswego 308 Center Drinking Water Lead and Co Workorder: 1607G51

Client Sample ID: 61-A125-DF4

Matrix: DRINKING WATER

Lab ID: 1607G51-005 **Date Received:** 07/20/2016 11:31 AM **Collection Date:** 07/20/2016 12:00 AM

			Report			Dilution		
Parameter	Result	MCL	Limit	Qual.	Units	Factor	Date Analyzed	Batch ID
METALS BY ICPMS			Method	d: EPA-200.8-Rev 5	5.4, 1994		Analyst: jmk	
Copper	334	1.300	100		μg/L	1	07/25/2016 8:16 PM	38518
Lead	ND	15.0	5.00		μg/L	1	07/25/2016 8:16 PM	38518



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

PREP DATES REPORT

Client: Hygieneering, Inc. Report Date: August 03, 2016

Project: Oswego 308 Center Drinking Wate Lab Order: 1607G51

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date Prep Date
1607G51-001A	7/20/2016	38566	ICPMS_DWPR	Drinking Water Prep	7/25/2016
		38518	TURB_METALS	Turbidity Check	7/25/2016
1607G51-002A		38518	TURB_METALS	Turbidity Check	7/25/2016
1607G51-003A		38518	TURB_METALS	Turbidity Check	7/25/2016
1607G51-004A		38518	TURB_METALS	Turbidity Check	7/25/2016
1607G51-005A		38518	TURB_METALS	Turbidity Check	7/25/2016

Qualifier Definitions

WO#: **1607G51**Date: **8/3/2016**

Qualifiers:

Value exceeds Maximum Contaminant Level
Analyte detected in the associated Method Blank
Value is below Minimum Concentration Limit
Analyte not in SLI scope of accredidation
Estimated, detected above quantitation range
Refer to case narrative page for specific comments
Holding times for preparation or analysis exceeded
Analyte detected below quantitation limit (QL)
Tentatively identified compounds
Not Detected at the Reporting Limit
Present
Accredidation is not available from Wisconsin
RPD outside accepted recovery limits
Spike Recovery outside accepted recovery limits
Analyte detected in sample trip blank

White-Original Pink-Sampler Conv	te-Original	Whit	21.4	piesein		Rev. 07/20/08		7		ions on back.	is and Condit	subject to Term	Submission of samples subject to Terms and Conditions on back.	Subn
□ lce Time		Received By	ce Time	D Ice	1By	Received By	nt e Time	Dice.		Received By	123	present /		Received By
Date		4. Relinquished By	Date		3. Relinquished By	3. Reling	Date		Ву	2. Relinquished By	Date 70010		Relinquished By	T. Reli
Received frozen Label conflicts with COC	6. Received frozen 7. Label conflicts w											<u></u>	H ₂ SO ₄ , HCl, HNO ₃ , Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio	H ₂ SO ₄ , NaOH,
 Headspacerair publies for VCCs Received past holding time 	5. Received p											VATIVE:	Glass (G), Plastic (P) PRESERVATIVE:	Glass (
3. Insufficient sample volume	3. Insufficient											ER: 20z.	Sludge (U), Wipe (P) <u>CONTAINER:</u> 2oz.	Sludge
preservation	2. Improper preservation											ite (WA),	Ground Water (GW), Solid Waste (WA),	Grounc
CONDITION CODES 1. Improper/damaged container/cap	1. Improper/d:								UCTIONS:	COMMENTS & SPECIAL INSTRUCTIONS:	MENTS & SF	•	MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW),	Waste
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Condition Split	R Con		W	PRESERVATIVE YU	PRESER	SIZE & TYPE	сомр. ату	MATRIX	TIME I	DATE	or Type*	ervation & Containe	*Use One Line Per Preservation & Container Type*	
Samples received the same day as collection?	Samples r			>		CONTAINERS	GRAB/		Ö	COLLECTION		SAMPLE IDENTIFICATION	SAMPLE IDE	
ture of samples	Temperature of Received Samples			n comment	*Please specify in comment section below.	Other* *PI	☐ Disposal		***************************************			Carria	Collector(s) Name	Sample
Sample containers	Sample of supplied by			RDGC	☐ MWRDGC	☐ NPDES	☐ 503 Sludge					Livsen) <u> </u>	Project Contraction of the contraction of the contr
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FOIA Request

1 message

Katie Drews <kdrews@bettergov.org>
To: FOIArequests@sd308.org

Thu, Sep 15, 2016 at 2:32 PM

Dear FOIA officer:

My name is Katie Drews with the Better Government Association and this is a request under the Illinois Freedom of Information Act.

Under FOIA, I'm requesting copies of:

- Records showing results of any and all lead testing of water sources at district schools from August 1, 2011 to
 the present. Please also provide details of the lead testing, including but not limited to who performed the
 testing and how it was completed.
- Any and all communication including but not limited to emails, letters, memos and meeting minutes about lead testing of water sources at district schools from Jan. 1, 2016 to today. Please be sure to include communication that was sent to parents, as well as records showing any and all discussion among staff, board members, vendors and others.

This is for a possible news story. As such, I ask that any fees be waived as law allows.

Please convey the information electronically to this email address: kdrews@bettergov.org.

Please contact me with any questions. I appreciate your consideration.

Sincerely,

Katie Drews
Investigator
Better Government Association
223 West Jackson, Suite 900
Chicago, IL 60606
312-821-9027 office
630-981-1528 cell
kdrews@bettergov.org