



July 12, 2016

Email: dblack@oakton.edu

Dan Black
Director of Building and Grounds
Oakton Community College
1600 East Golf Road
Des Plaines, IL 60016

Re: Lead and Copper Water Quality Sampling
Oakton Community College
Hygieneering Project # 2016-2727-EA

Dear Mr. Black:

Hygieneering, Inc. (Hygieneering) was retained by Oakton Community College to provide environmental testing and consulting services. Hygieneering conducted proactive potable water quality sampling at schools that comprise the Oakton Community College. 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:

1. Hygieneering collected water samples from pre-determined potable water fixtures throughout the following schools that comprise Oakton Community College:
 - Main Building- Des Plaines
 - Science & Health Careers
 - Main Building- Skokie
2. 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).
3. Collectively, a total of one hundred twenty-six (126) 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 days.
4. Analytical results were compared to the Environmental Protection Agency's (EPA) National Primary Drinking Water Regulations (NPDWR/) or Primary Standards.
5. Hygieneering prepared this letter report documenting field activities and laboratory analytical results in comparison to EPA's Primary and/or Secondary Drinking Water Standards.
6. Certified Hazardous Materials Managers (CHMM) and Environmental Consultants managed this project.
7. Hygieneering prepared this letter report documenting field activities and laboratory analytical results in comparison to EPA's Primary and/or Secondary Drinking Water Standards.

The following provides detailed information for this water assessment.



Constituent/Parameter Selection and Characteristics

Per the request of the Oakton Community College, 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 (source: United States Environmental Protection Agency Drinking Water Contaminants –Standards and Regulations, January 6, 2016).

Reference Standards

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

For some contaminants, a treatment technique (TT) is established, which is a required process intended to reduce the level of a contaminant in drinking water if the contaminant is above specific concentrations, known as the Action Level (AL). Lead and copper are addressed by what is referred to as the “Lead and Copper Rule,” in which its purpose is to minimize lead and copper levels in drinking water primarily by reducing water corrosivity through treatment techniques. The LCR is a regulation that applies to lead and copper and is required for public water systems (PWS). A PWS is defined as “a public water system provides water for human consumption through pipes or other constructed conveyances to at least 15 service connections or serves an average of at least 25 people for at least 60 days a year. A public water system may be publicly or privately owned.” (source:<https://www.epa.gov/dwreginfo/information-about-public-water-systems>). If the facility is not a PWS, sampling of water and analysis of 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)].

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.

Oakton Community College conducted water sampling on a proactive basis to assess the water quality. 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.

The US EPA also established the National Secondary Drinking Water Regulations (NSDWR or Secondary Standards), which are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (skin or tooth discoloration), aesthetic effects (undesirable taste, odor, or color), and technical effects (damage to water equipment or reduced effectiveness of treatment for other contaminants) in drinking water. EPA



recommends Secondary Standards to water systems but does not require systems to comply; however, states may choose to adopt them as enforceable standards.

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

Project Activities

Hygieneering collected water samples from various pre-determined fixtures selected by Oakton Community College for lead and copper analysis at the following schools:

- Main Building- Des Plaines
- Science & Health Careers
- Main Building- Skokie

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 Oakton Community College. The water samples were collected in accordance to methods consistent with protocols and strategies developed by the EPA, IEPA, and/or IDPH. One, first draw water sample was collected from each pre-determined water fixture from each of the above referenced schools/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 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.



June 16, 2016 Sampling Event

Mr. Anthony Kennedy and Mr. Kevin Doyle, Safety and Health Technicians of Hygieneering, conducted fieldwork on June 16, 2016. Collectively, Hygieneering collected water samples from one hundred twenty-six (126) pre-determined potable water fixtures from the above referenced schools. A total of one hundred twenty-six (126) 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. The table below shows the locations and types of fixtures sampled that were above the AL for copper. There were no lead exceedances. For the entire listings of samples refer to Appendix A.

Building	Hygieneering Sample ID	Laboratory Sample ID	Type of Fixture	Description of Fixture and Location	Copper Result (ppb)	Copper MCL (ppb)	Lead Result	Lead MCL (ppb)
Des Plaines	1600-DF4-A	1606G24-009	Hallway Drinking Fountain	Fountain Only	1340	1300	ND	15
Skokie	7701-DF108	1606G26-028	Hallway Drinking Fountain	Inside c151	1610	1300	ND	15

Sample Results & Interpretation

In summary, the analytical results were below laboratory reporting limits and indicate no exceedances of EPA's Primary Standard AL for lead and copper in all one hundred twenty-six (126) samples collected and analyzed. Refer to the tables in this report, and Appendices A and B for further details of concentrations of lead and copper and sample locations. 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.



Conclusions and Recommendations

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

In summary, the analytical results indicate 2 exceedances of EPA's Primary Standard AL for copper. There were no exceedances for lead. Refer to the tables in this report, and Appendices A and B for results.

Hygieneering recommends the following for your consideration:

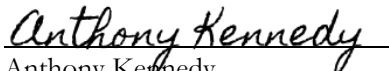
- Consider re-sampling the 2 locations where copper exceeded the Action Level to verify results and then evaluate options to address based on findings.
- Continue with proactive measures of evaluating water quality at the Oakton Community College facilities.

Report Applicability

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

Sincerely,

Hygieneering, Inc.



Anthony Kennedy
Safety and Health Technician



Bob Anderson, CSP, CHMM
Director, Environmental Services



APPENDIX A

LABORATORY ANALYTICAL TABLES

DES PLAINES CAMPUS, 1600 E. Golf Road, Des Plaines

MAIN BUILDING

DRINKING FOUNTAINS

<u>Equip. Number</u>	<u>Location</u>	<u># of Fountains</u>	<u># of bottle Fillers</u>	<u>Notes</u> (Discoloration, Smells, etc.)	<u>*Hygieneing Sample ID</u>	<u>Location Description</u> sink direction (N,S,E,W; left or right; landmark, etc.	<u>Copper Result</u>	<u>Copper MCL</u>	<u>Lead Result</u>	<u>Lead MCL</u>	<u>Date</u>
DF1	By 1220	2	0	N/A	1600-DF1-A	Right	ND	1,300	ND	15	17-Jun
				N/A	1600-DF1-B	Left	ND	1,300	ND	15	17-Jun
DF2	Across from 1130	2	0	N/A	1600-DF2-A	Right	179	1,300	ND	15	17-Jun
				N/A	1600-DF2-B	Left	225	1,300	ND	15	17-Jun
DF3	BY 1243	2	0	N/A	1600-DF3-A	Right	206	1,300	ND	15	17-Jun
				N/A	1600-DF3-B	Left	208	1,300	ND	15	17-Jun
DF4	Gym - South	1	1	N/A	1600-DF4	Fountain	1610	1,300	ND	15	17-Jun
				N/A	1600-DF4-FILLER	Bottle Filler	624	1,300	ND	15	17-Jun
DF5	Gym - North	1	1	N/A	1600-DF5	Fountain	X	1,300	ND	15	17-Jun
				N/A	1600-DF5-FILLER	Bottle Filler	1190	1,300	ND	15	17-Jun
				N/A	1600-DF5-CUSPIDOR	Cupsidor	N/A	1,300	ND	15	17-Jun
DF6	Near 1343	2	0	N/A	1600-DF6-A	Right	ND	1,300	ND	15	17-Jun
				N/A	1600-DF6-B	Left	ND	1,300	ND	15	17-Jun
DF7	Cafeteria	1	0	N/A	1600-DF7	Fountain	ND	1,300	ND	15	17-Jun
DF8	Library - 1st floor	2	0	N/A	1600-DF8-A	Left	150	1,300	ND	15	17-Jun
DF8	Library - 1st floor	2	0	N/A	1600-DF8-B	Right	112	1,300	ND	15	17-Jun
DF9	By 1520	2	1	N/A	1600-DF9-A	Right	ND	1,300	ND	15	17-Jun
				N/A	1600-DF9-B	Left	ND	1,300	ND	15	17-Jun
				N/A	1600-DF9-FILLER	Bottle Filler	ND	1,300	ND	15	17-Jun
DF10	Across from 1550	1	0	N/A	1600-DF10	Fountain	143	1,300	ND	15	17-Jun
DF11	By 1470	2	0	N/A	1600-DF11A	Right	ND	1,300	ND	15	17-Jun
				N/A	1600-DF11B	Left	ND	1,300	ND	15	17-Jun
DF12	By exit 19	2	0	N/A	1600-DF12A	Right	148	1,300	ND	15	17-Jun
DF12	By exit 19	2	0	N/A	1600-DF12B	Left	N/A	1,300	N/A	15	17-Jun
DF13	By 1740	2	0	N/A	1600-DF13A	Left	ND	1,300	ND	15	17-Jun
				N/A	1600-DF13B	Right	ND	1,300	ND	15	17-Jun
DF14	By 1848	2	0	N/A	1600-DF14A	Left	ND	1,300	ND	15	17-Jun
DF14	By 1848	2	0	N/A	1600-DF14B	Right	ND	1,300	ND	15	17-Jun
DF15	In room 1851	1	0	N/A	1600-DF15	Fountain	253	1,300	ND	15	17-Jun
DF16	By room 0700	2	0	N/A	1600-DF16A	Left	308	1,300	ND	15	17-Jun
				N/A	1600-DF16B	Right	666	1,300	ND	15	17-Jun
DF17	By room 0400	1	0	N/A	1600-DF17	Fountain	ND	1,300	ND	15	17-Jun
DF18	By room 2210	2	0	N/A	1600-DF18A	Left	ND	1,300	ND	15	17-Jun
				N/A	1600-DF18B	Right	ND	1,300	ND	15	17-Jun
DF19	In room 2115	2	0	N/A	1600-DF19A	Right	ND	1,300	ND	15	17-Jun
DF19	In room 2115	2	0	N/A	1600-DF19B	Left	ND	1,300	ND	15	17-Jun
DF20	In room 2155	2	0	N/A	1600-DF20A	Right	ND	1,300	ND	15	17-Jun
				N/A	1600-DF20B	Left	100	1,300	ND	15	17-Jun
DF21	By room 2262	1	0	N/A	1600-DF21	Fountain	ND	1,300	ND	15	17-Jun
DF22	Library - 2nd floor	2	0	N/A	1600-DF22A	Left	216	1,300	ND	15	17-Jun
				N/A	1600-DF22B	Right	214	1,300	ND	15	17-Jun
DF23	Removed from service			N/A	N/A	N/A	N/A	1,300	N/A	15	17-Jun

DES PLAINES CAMPUS, 1600 E. Golf Road, Des Plaines

MAIN BUILDING

DRINKING FOUNTAINS

<u>Equip. Number</u>	<u>Location</u>	<u># of Fountains</u>	<u># of bottle Fillers</u>	<u>Notes</u> (Discoloration, Smells, etc.)	<u>*Hygieneing Sample ID</u>	<u>Location Description</u> sink direction (N,S,E,W; left or right; landmark, etc.	<u>Copper Result</u>	<u>Copper MCL</u>	<u>Lead Result</u>	<u>Lead MCL</u>	<u>Date</u>
DF24	By room 2460	2	1	N/A	1600-DF24-A	Left	ND	1,300	ND	15	17-Jun
DF24	By room 2460	2	1	N/A	1600-DF24-B	Right	ND	1,300	ND	15	17-Jun
				N/A	1600-DF24-FILLER	Bottle Filler	ND	1,300	ND	15	17-Jun
DF25	By room 2805	2	0	N/A	1600-DF25-A	Left	ND	1,300	ND	15	17-Jun
				N/A	1600-DF25-B	Right	ND	1,300	ND	15	17-Jun
DF26	By room 2748	2	0	N/A	1600-DF26-A	Left	157	1,300	ND	15	17-Jun
				N/A	1600-DF26-B	Right	ND	1,300	ND	15	17-Jun
DF27	By room 2839	2	0	N/A	1600-DF27-A	Left	ND	1,300	ND	15	17-Jun
				N/A	1600-DF27-B	Right	ND	1,300	ND	15	17-Jun
DF28	By Elev 6 - 1st floor	2	0	N/A	1600-DF28-A	Left	269	1,300	ND	15	17-Jun
				N/A	1600-DF28-B	Right	329	1,300	ND	15	17-Jun
DF29	Library - basement	2	0	N/A	1600-DF29-A	Left	113	1,300	ND	15	17-Jun
				N/A	1600-DF29-B	Right	129	1,300	ND	15	17-Jun
DF30	Room 1156	1	1	N/A	1600-DF30	Fountain	253	1,300	ND	15	17-Jun
				N/A	1600-DF30-FILLER	Bottle Filler	377	1,300	ND	15	17-Jun
DF31	ECDC - 1635	1	0	N/A	1600-DF31	Fountain	339	1,300	ND	15	17-Jun
DF32	ECDC - 1634	1	0	N/A	1600-DF32	Fountain	353	1,300	ND	15	17-Jun
DF33	By room 1621	2	0	N/A	1600-DF33-A	Left	172	1,300	ND	15	17-Jun
				N/A	1600-DF33-B	Right	154	1,300	ND	15	17-Jun
DF34	By Elev. 7 - 1st floor	2	0	N/A	1600-DF34-A	Left	176	1,300	ND	15	17-Jun
				N/A	1600-DF34-B	Right	138	1,300	ND	15	17-Jun
DF35	By Elev. 7 - 2nd floor	2	0	N/A	1600-DF35-A	Left	146	1,300	ND	15	17-Jun
				N/A	1600-DF35-B	Right	186	1,300	ND	15	17-Jun
DF36	By Elev. 7 - 3rd floor	2	0	N/A	1600-DF36-A	Left	187	1,300	ND	15	17-Jun
				N/A	1600-DF36-B	Right	215	1,300	ND	15	17-Jun
DF37	ECDC - playground	1	0	N/A	1600-DF37	Outside	377	1,300	ND	15	17-Jun
DF38	Grounds Bldg.	1	0	N/A	1600-DF-38	Grounds Building	ND	1,300	ND	15	17-Jun

*If collecting multiple fountains/sinks samples in room or hallway: identify by A, B, C, etc. with descriptor

Address Digits-Equipment Number-A for first fountain; B for second fountain; C for third fountain

DES PLAINES CAMPUS, 1600 E. Golf Road, Des Plaines

SCIENCE AND HEALTH CAREER

DRINKING FOUNTAINS

<u>Equip. Number</u>	<u>Location</u>	<u># of Fountains</u>	<u>Notes (Discoloration, Smells, etc.)</u>	<u>*Hygieneering Sample ID</u>	<u>Location Description</u> sink direction (N,S,E,W; left or right; landmark, etc.	<u>Sampling Date</u>	<u>Copper Result</u>	<u>Copper MCL</u>	<u>Lead Result</u>	<u>Lead MCL</u>
DF50	SHCC - By 126	2	N/A	1600-DF50-A	Left	17-Jun	ND	1,300	ND	15
			N/A	1600-DF50-B	Right	17-Jun	ND	1,300	ND	15
		BF	N/A	1600-DF50-FILLER	Bottle Filler	17-Jun	526	1,300	ND	15
DF51	SHCC - By 231	3	N/A	1600-DF51-A	Left	17-Jun	571	1,300	ND	15
			N/A	1600-DF51-B	Middle	17-Jun	ND	1,300	ND	15
			N/A	1600-DF51-C	Right	17-Jun	ND	1,300	ND	15
		BF	N/A	1600-DF51-FILLER	Bottle Filler	17-Jun	1070	1,300	ND	15
DF52	SHCC - By 343	2	N/A	1600-DF52-A	Left	17-Jun	237	1,300	ND	15
			N/A	1600-DF52-B	Right	17-Jun	231	1,300	ND	15
		BF	N/A	1600-DF52-FILLER	Bottle Filler	17-Jun	199	1,300	ND	15

*If collecting multiple fountains/sinks samples in room or hallway: identify by A, B, C, etc. with descriptor

Address Digits-Equipment Number-A for first fountain; B for second fountain; C for third fountain

SKOKIE CAMPUS, 7701 N. Lincoln Avenue, Skokie

RAY HARSTEIN

DRINKING FOUNTAINS

<u>Equip. Number</u>	<u>Floor</u>	<u>Location</u>	<u># of Fountains</u>	<u>Notes (Discoloration, Smells, etc.)</u>	<u>*Hygieneering Sample ID</u>	<u>Location Description</u> sink direction (N,S,E,W; left or right; landmark, etc.	<u>Sampling Date</u>	<u>Copper Result</u>	<u>Copper MCL</u>	<u>Lead Result</u>	<u>Lead MCL</u>
DF101		By A 149	1		7701-DF101		17-Jun	490	1,300	ND	15
DF102		By A 162	2		7701-DF102-A	Left	17-Jun	411	1,300	ND	15
					7701-DF102-B	Right	17-Jun	425	1,300	ND	15
DF103		By A 175	2		7701-DF103-A	Left	17-Jun	369	1,300	ND	15
					7701-DF103-B	Right	17-Jun	422	1,300	ND	15
DF104		By B 124	1		7701-DF104		17-Jun	380	1,300	ND	15
DF105		By C 105	2		7701-DF105-A	Left	17-Jun	346	1,300	ND	15
					7701-DF105-B	Right	17-Jun	271	1,300	ND	15
DF106		In C 118	1		7701-DF106		17-Jun	1070	1,300	ND	15
DF107		In C 130	2		7701-DF107-A	Left	17-Jun	341	1,300	ND	15
					7701-DF107-B	Right	17-Jun	400	1,300	ND	15
DF108		In C 151	1		7701-DF108		17-Jun	1340	1,300	ND	15
DF109		In C 152	1		7701-DF109		17-Jun	601	1,300	ND	15
DF110		by C 154	2		7701-DF110-A	Left	17-Jun	121	1,300	ND	15
					7701-DF110-B	Right	17-Jun	ND	1,300	ND	15
DF111		ECDC Playground	1		7701-DF111		17-Jun	ND	1,300	ND	15
DF112		By P 145	2		7701-DF112-A	Left	17-Jun	ND	1,300	ND	15
					7701-DF112-B	Right	17-Jun	ND	1,300	ND	15
			BF		7701-DF112-FILLER	Bottle Filler	17-Jun	ND	1,300	ND	15
DF113		By A 232	3		7701-DF113-A	Left	17-Jun	349	1,300	ND	15
					7701-DF113-B	Middle	17-Jun	256	1,300	ND	15
					7701-DF113-C	Right	17-Jun	284	1,300	ND	15
DF114		By C 204	2		7701-DF114-A	Left	17-Jun	243	1,300	ND	15
					7701-DF114-B	Right	17-Jun	268	1,300	ND	15
DF115		In C 218	1		7701-DF115		17-Jun	348	1,300	ND	15
DF116		By C222	2		7701-DF116-A	Left	17-Jun	311	1,300	ND	15
					7701-DF116-B	Right	17-Jun	315	1,300	ND	15
DF117		In C 258	1		7701-DF117		17-Jun	900	1,300	ND	15
DF118		By P245	2		7701-DF118-A	Left	17-Jun	167	1,300	ND	15
					7701-DF118-B	Right	17-Jun	175	1,300	ND	15

*If collecting multiple fountains/sinks samples in room or hallway: identify by A, B, C, etc. with descriptor
Address Digits-Equipment Number-A for first fountain; B for second fountain; C for third fountain

DES PLAINES CAMPUS, 7701 N. Lincoln Avenue, Skokie

MAIN BUILDING

KITCHEN SINKS

<u>Equip. Number</u>	<u>Location</u>	<u># of Sinks</u>	<u>Notes (Discoloration, Smells, etc.)</u>	<u>*Hygieneering Sample ID</u>	<u>Location Description</u> sink direction (N,S,E,W; left or right; landmark, etc.	<u>Sampling Date</u>	<u>Copper Result</u>	<u>Copper MCL</u>	<u>Lead Result</u>	<u>Lead MCL</u>	<u>Date</u>
KS1507	Room 1507	1	N/A	1600-KS1507		17-Jun	ND	1,300	ND	15	17-Jun
KS1460-A	Room 1460	3 To 4	N/A	1600-KS1460-A		17-Jun	ND	1,300	ND	15	17-Jun
KS1460-B			N/A	1600-KS1460-B		17-Jun	ND	1,300	ND	15	17-Jun
KS1460-C			N/A	1600-KS1460-C		17-Jun	ND	1,300	ND	15	17-Jun
KS1460-D			N/A	1600-KS1463-D		17-Jun	ND	1,300	ND	15	17-Jun
KS0511	Room 0511	1	N/A	1600-KS0511		17-Jun	138	1,300	ND	15	17-Jun
KS0715	Room 0715	1	N/A	1600-KS0715		17-Jun	ND	1,300	ND	15	17-Jun
KS1638	Room 1638	1	N/A	1600-KS1638		17-Jun	ND	1,300	ND	15	17-Jun
KS2413	Room 2413	1	N/A	1600-KS2413		17-Jun	ND	1,300	ND	15	17-Jun
KS2911	Room 2911	1	N/A	1600-KS2911		17-Jun	403	1,300	ND	15	17-Jun
KS114	Room 114	1	N/A	1600-KS114	No sink present	17-Jun	N/A	1,300	N/A	15	17-Jun
KS354	Between 353 and 355	1	N/A	1600-KS357		17-Jun	377	1,300	ND	15	17-Jun
KSC155	Room c155	1	N/A	7701-KSC155		17-Jun	ND	1,300	ND	15	17-Jun
KSA183	Room a183	1	N/A	7701-KSA183		17-Jun	181	1,300	ND	15	17-Jun
KSA168(A183)-A	Room a168	3 To 4	N/A	7701-KSA168-A		17-Jun	244	1,300	ND	15	17-Jun
KSA168(A183)-B			N/A	7701-KSA168-B		17-Jun	ND	1,300	ND	15	17-Jun
KSA168(A183)-C			N/A	7701-KSA168-C		17-Jun	ND	1,300	ND	15	17-Jun
KSA168(A183)-D			N/A	7701-KSA168-D	Pop Machine	17-Jun	ND	1,300	ND	15	17-Jun

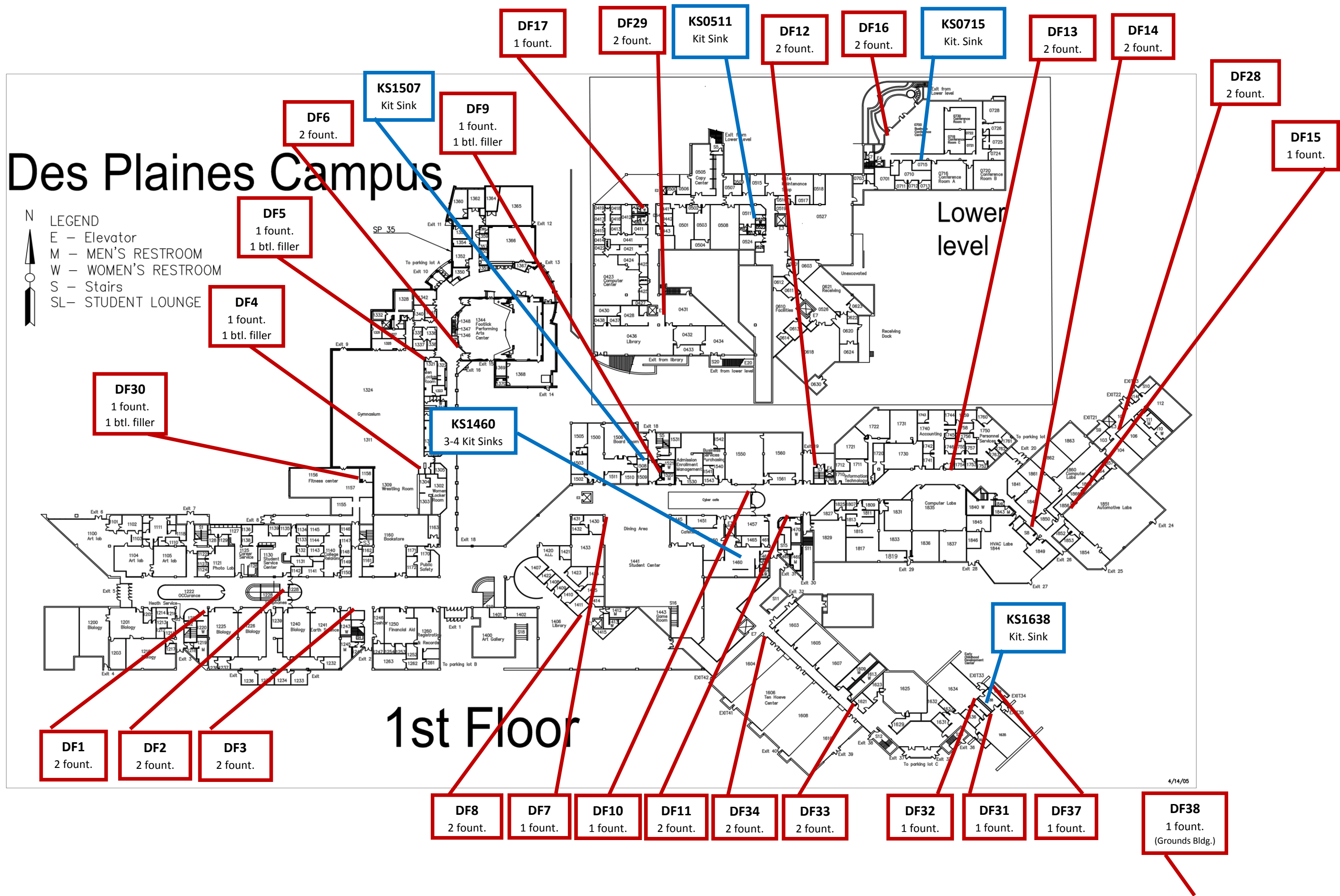
*If collecting multiple fountains/sinks samples in room or hallway: identfiy by A, B, C, etc. with descriptor
Address Digits-Equipment Number-A for first fountain; B for second fountain; C for third fountain



APPENDIX B
SCHOOL MAPS

Des Plaines Campus

- LEGEND**
- N
 - E - Elevator
 - M - MEN'S RESTROOM
 - W - WOMEN'S RESTROOM
 - S - Stairs
 - SL - STUDENT LOUNGE



DF30
1 fount.
1 btl. filler

DF4
1 fount.
1 btl. filler

DF5
1 fount.
1 btl. filler

DF6
2 fount.

DF9
1 fount.
1 btl. filler

DF17
1 fount.

DF29
2 fount.

KS0511
Kit Sink

DF12
2 fount.

DF16
2 fount.

KS0715
Kit. Sink

DF13
2 fount.

DF14
2 fount.

DF28
2 fount.

DF15
1 fount.

KS1460
3-4 Kit Sinks

KS1638
Kit. Sink

DF1
2 fount.

DF2
2 fount.

DF3
2 fount.

1st Floor

DF8
2 fount.

DF7
1 fount.

DF10
1 fount.

DF11
2 fount.

DF34
2 fount.

DF33
2 fount.

DF32
1 fount.

DF31
1 fount.

DF37
1 fount.

DF38
1 fount.
(Grounds Bldg.)

DES PLAINES



LEGEND
L - LABORATORY
M - MEN'S RESTROOM
W - WOMEN'S RESTROOM
SL - STUDENT LOUNGE



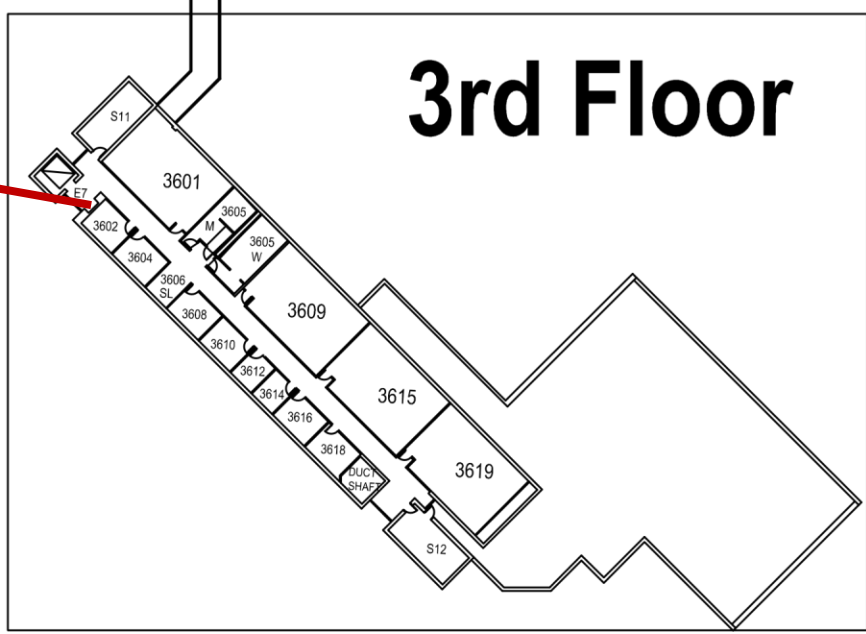
2nd Floor

DF18
2 fount.

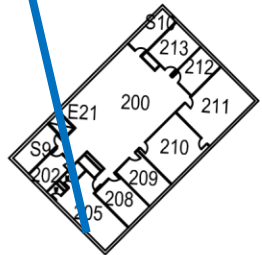
DF21
1 fount.

DF36
2 fount.

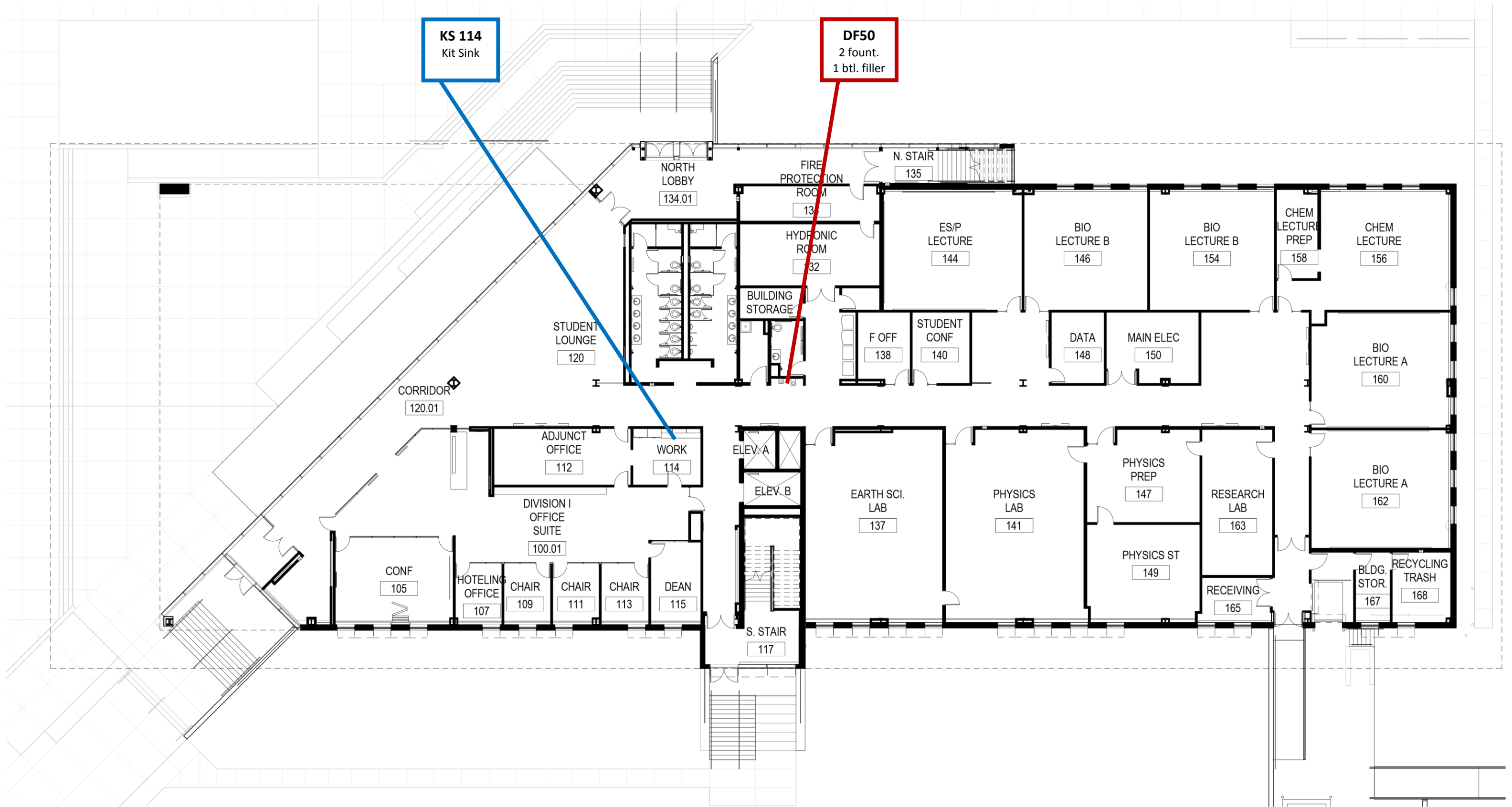
3rd Floor



KS2911
Kit. Sink



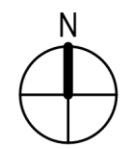
3/3/05



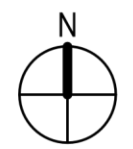
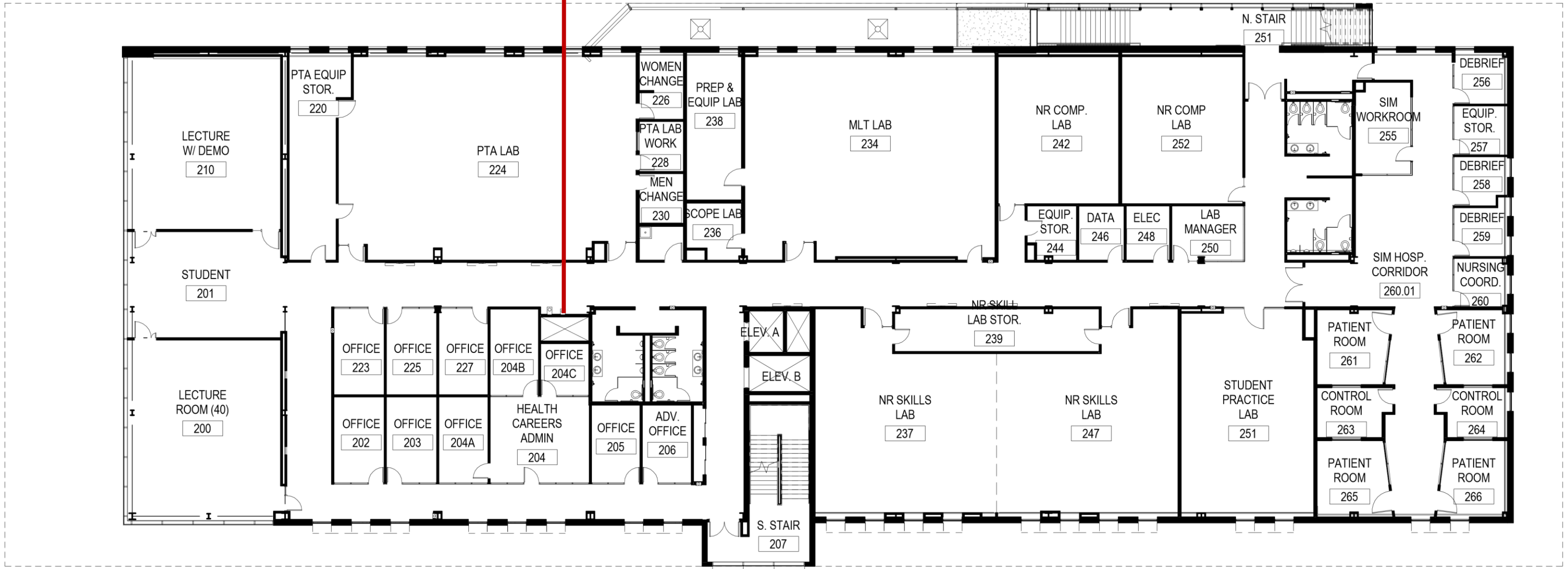
FIRST FLOOR PLAN

SCIENCE & HEALTH CAREERS

Scale: 1" = 20'-0"

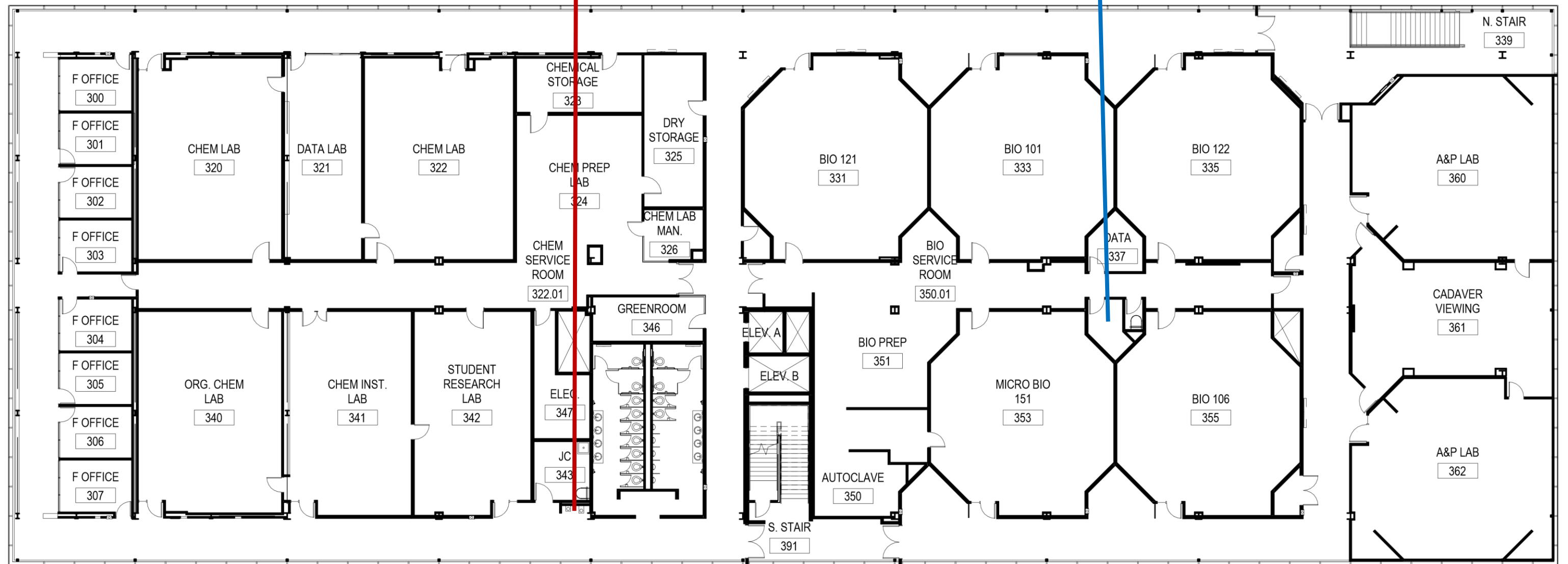


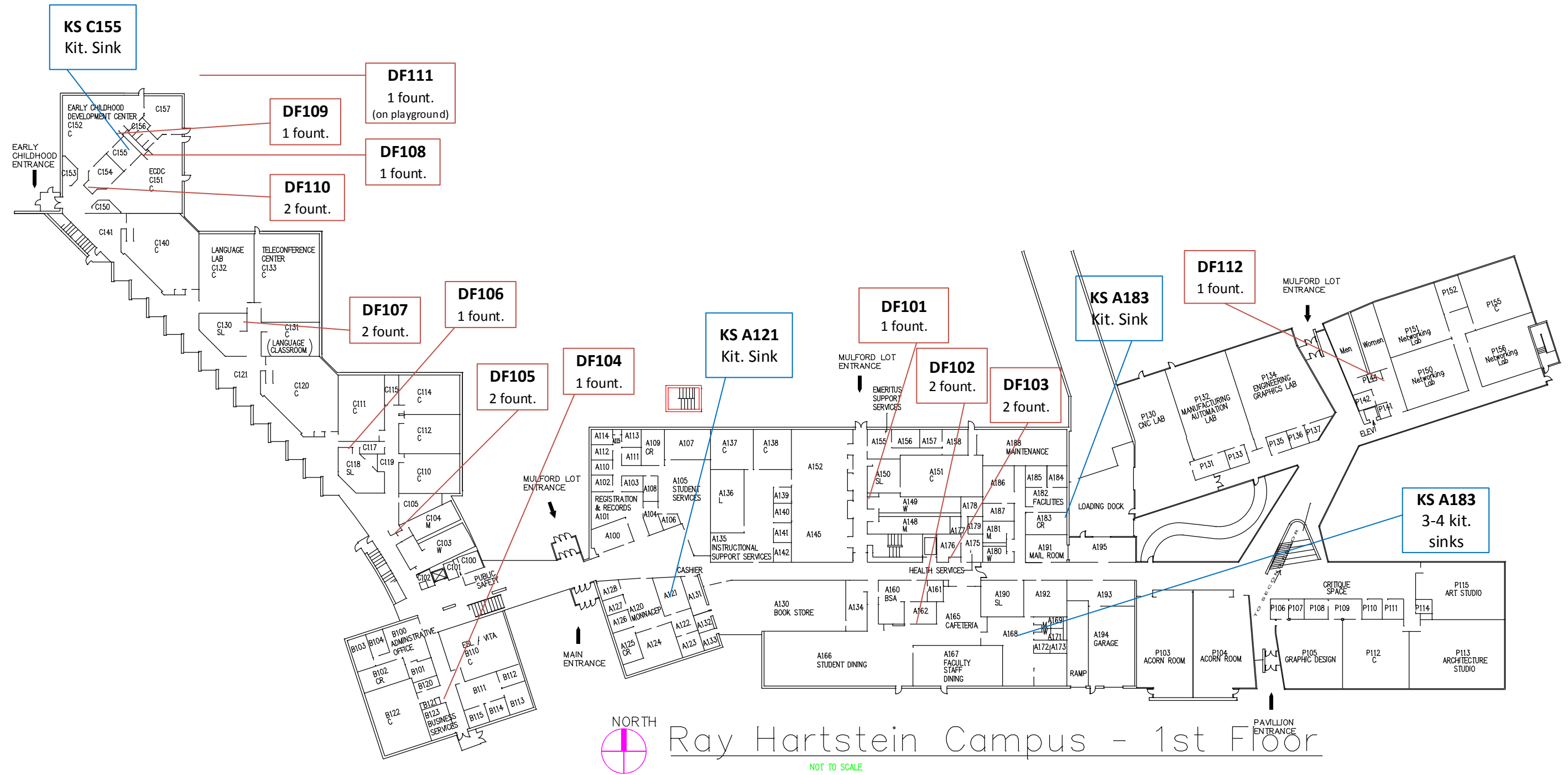
DF51
2 fount.
1 btl. filler

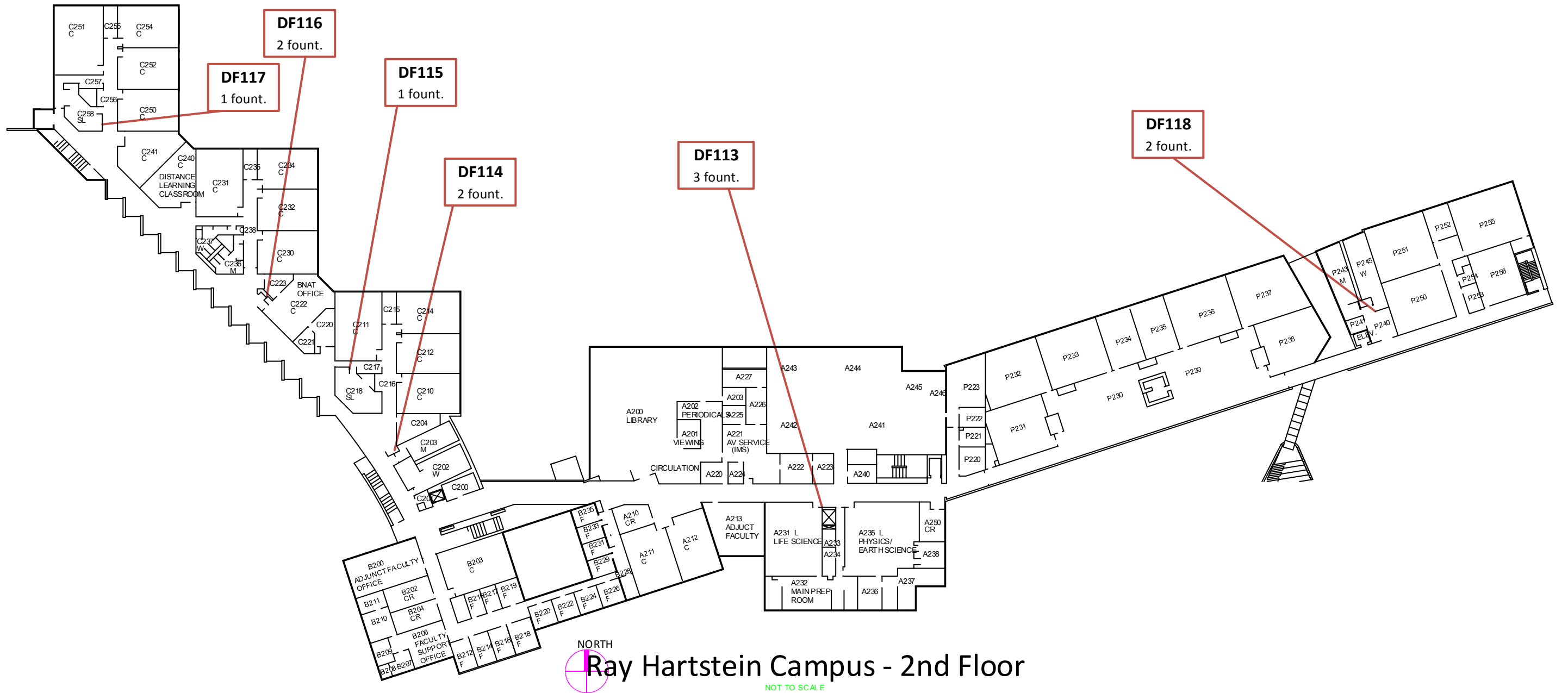


DF52
2 fount.
1 btl. filler

KS354
Kit. Sink









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

June 30, 2016

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

Workorder: 1606G18

TEL: (630) 654-2550

FAX:

RE: 2016-2727 Des Plaines Campus Grands B Drinking Water Lead and Copper
Analysis

Dear Valerie Hofmann:

Suburban Laboratories, Inc. received 1 sample(s) on 6/17/2016 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,



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





Client: Hygieneering, Inc.

Date: June 30, 2016

Project: 2016-2727 Des Plaines Campus Grands B Drink

PO #: 2016-2727

WorkOrder: 1606G18

QC Level:

Temperature of samples upon receipt at SLI: C

Chain of Custody #:

General Comments:

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.
- All water analyses that are required to be performed in the field (e.g., pH, residual chlorine, sulfite, temperature, etc.) but are analyzed in the lab are identified as "in lab" and are considered past holding time. Following industry practices these results do not contain an "H" flag but are qualified as being analyzed in the lab.
- All radiological results are reported to the 95% confidence level.

Abbreviations:

- **Reporting Limit:** The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- **Quantitation Limit:** The lowest concentration at which results can be accurately quantitated.
- **J:** The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- **ATC:** Automatic Temperature Correction. - **TNTC:** Too Numerous To Count
- **TIC:** Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- **SS (Surrogate Standard):** Quality control compound added to the sample by the lab.

Method References:

For a complete list of method references please contact us.

- **E:** USEPA Reference methods
- **SW:** USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- **M:** Standard Methods for the Examination of Water and Wastewater
- **USP:** Latest version of United States Pharmacopeia

Workorder Specific Comments:



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Grands B Drinki

Workorder: 1606G18

Client Sample ID: 1600-PF38

Matrix: DRINKING WATER

Lab ID: 1606G18-001

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 10:04 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 9:03 AM	37488
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 9:03 AM	37488



Suburban Laboratories, Inc.

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

PREP DATES REPORT

Client: Hygieneering, Inc.
Project: 2016-2727 Des Plaines Campus Gr

Report Date: June 30, 2016
Lab Order: 1606G18

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1606G18-001A	6/17/2016 10:04:00 A	37488	TURB_METALS	Turbidity Check		6/28/2016



Qualifiers:

*/x	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accreditation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)
N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit
P	Present
Q	Accreditation 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



SUBURBAN LABORATORIES, Inc.
 1950 S. Batavia Ave. Geneva, IL 60134
 Tel. 708.544.3260 Fax: 708.544.8587

CHAIN OF CUSTODY RECORD
 Toll Free: 800.783.LABS
 www.suburbanlabs.com

Electronic Version
 Page 1 of 1
 PO No. 2016-27287
 Shipping Method

Company Name: **HYA/ENVERING, Inc.**
 Company Address: **7575 Plaza Ct.**
 City: **Willebrook** State: **IL** Zip: **60527**

Phone: **1-630-654-2550** Fax:
 Email Address: Email Report

Project ID / Location: **2016-2727 Des Plaines Campus Grants B.**
 Project Manager (Report to): **Kevin Doyle / Anthony Kennedy**

TURNAROUND TIME REQUESTED
 Normal RUSH* Additional Rush Charges Approved.
 *Date & Time Needed:
 Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.

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

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

LAB USE ONLY
 Sample containers supplied by customer? Yes No
 Temperature of Received Samples **21** °C
 Samples received within 24 hours of collection? Yes No

SAMPLE IDENTIFICATION (Please use 1 line per container type)	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS Qty. SIZE & TYPE	PRESERVATIVE	ANALYSIS & METHOD REQUESTED	
	DATE	TIME					Enter an "X" in box below for request	Enter an "X" in box below for request
1 1600-DESS	6/11/16	10:20		1	8oz (p)	AUGS	X	X
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) **CONTAINER:** 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) **PRESERVATIVE:** H₂SO₄, HCl, HNO₃, Methanol (MeOH), NaOH, Sodium Bisulfate (NaBS), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:

1. Relinquished By: **H. J. J. J.** Date: **6/17/16** Time: **13:20**
 2. Relinquished By: _____ Date: _____ Time: _____
 3. Relinquished By: _____ Date: _____ Time: _____
 4. Relinquished By: _____ Date: _____ Time: _____

Received By: **Joe V** Ice

7. Label conflicts with COC

CONDITION CODES:
 1. Improper/damaged container/cap
 2. Improper preservation
 3. Insufficient sample volume
 4. Headspace/air bubbles for VOCs
 5. Received past holding time
 6. Received frozen

Submission of samples subject to Terms and Conditions on back. Rev. 2/07/05 Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.

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

June 30, 2016

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

Workorder: 1606G21

TEL: (630) 654-2550

FAX:

RE: 2016-2727 Des Plaines Campus/SHC Drinking Water Lead and Copper
Analysis

Dear Valerie Hofmann:

Suburban Laboratories, Inc. received 11 sample(s) on 6/17/2016 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,



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





Client: Hygieneering, Inc.

Date: June 30, 2016

Project: 2016-2727 Des Plaines Campus/SHC Drinking

PO #: 2016-2727

WorkOrder: 1606G21

QC Level:

Temperature of samples upon receipt at SLI: C

Chain of Custody #:

General Comments:

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.
- All water analyses that are required to be performed in the field (e.g., pH, residual chlorine, sulfite, temperature, etc.) but are analyzed in the lab are identified as "in lab" and are considered past holding time. Following industry practices these results do not contain an "H" flag but are qualified as being analyzed in the lab.
- All radiological results are reported to the 95% confidence level.

Abbreviations:

- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS (Surrogate Standard): Quality control compound added to the sample by the lab.

Method References:

For a complete list of method references please contact us.

- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus/SHC Drinking

Workorder: 1606G21

Client Sample ID: 1600-DF50-A

Matrix: DRINKING WATER

Lab ID: 1606G21-001

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:41 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 9:06 AM	37488
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 9:06 AM	37488

Client Sample ID: 1600-DF50-B

Matrix: DRINKING WATER

Lab ID: 1606G21-002

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:41 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 9:09 AM	37488
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 9:09 AM	37488

Client Sample ID: 1600-DF50-C

Matrix: DRINKING WATER

Lab ID: 1606G21-003

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:41 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	526	1,300	100		µg/L	1	06/29/2016 9:32 AM	37488
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 9:32 AM	37488

Client Sample ID: 1600-DF51-A

Matrix: DRINKING WATER

Lab ID: 1606G21-004

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:47 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	571	1,300	100		µg/L	1	06/29/2016 9:35 AM	37488
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 9:35 AM	37488



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus/SHC Drinking

Workorder: 1606G21

Client Sample ID: 1600-DF51-B

Matrix: DRINKING WATER

Lab ID: 1606G21-005

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:47 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 9:38 AM	37488
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 9:38 AM	37488

Client Sample ID: 1600-DF51-C

Matrix: DRINKING WATER

Lab ID: 1606G21-006

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:47 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 9:41 AM	37488
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 9:41 AM	37488

Client Sample ID: 1600-DF51-D

Matrix: DRINKING WATER

Lab ID: 1606G21-007

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:47 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	1,070	1,300	100		µg/L	1	06/29/2016 9:44 AM	37488
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 9:44 AM	37488

Client Sample ID: 1600-DF52-A

Matrix: DRINKING WATER

Lab ID: 1606G21-008

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:50 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	237	1,300	100		µg/L	1	06/29/2016 9:55 AM	37488
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 9:55 AM	37488



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus/SHC Drinking

Workorder: 1606G21

Client Sample ID: 1600-DF52-B

Matrix: DRINKING WATER

Lab ID: 1606G21-009

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:50 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
Method: EPA-200.8-Rev 5.4, 1994 Analyst: mjs								
Copper	231	1,300	100		µg/L	1	06/29/2016 9:58 AM	37488
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 9:58 AM	37488

Client Sample ID: 1600-DF52-C

Matrix: DRINKING WATER

Lab ID: 1606G21-010

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:50 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
Method: EPA-200.8-Rev 5.4, 1994 Analyst: mjs								
Copper	199	1,300	100		µg/L	1	06/29/2016 10:01 AM	37488
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 10:01 AM	37488

Client Sample ID: 1600-KJJ57

Matrix: DRINKING WATER

Lab ID: 1606G21-011

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:54 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
Method: EPA-200.8-Rev 5.4, 1994 Analyst: mjs								
Copper	377	1,300	100		µg/L	1	06/29/2016 10:04 AM	37488
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 10:04 AM	37488



Suburban Laboratories, Inc.

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

PREP DATES REPORT

Client: Hygieneering, Inc.
Project: 2016-2727 Des Plaines Campus/S

Report Date: June 30, 2016
Lab Order: 1606G21

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1606G21-001A	6/17/2016 9:41:00 A	37488	TURB_METALS	Turbidity Check		6/28/2016
1606G21-002A		37488	TURB_METALS	Turbidity Check		6/28/2016
1606G21-003A		37488	TURB_METALS	Turbidity Check		6/28/2016
1606G21-004A	6/17/2016 9:47:00 A	37488	TURB_METALS	Turbidity Check		6/28/2016
1606G21-005A		37488	TURB_METALS	Turbidity Check		6/28/2016
1606G21-006A		37488	TURB_METALS	Turbidity Check		6/28/2016
1606G21-007A		37488	TURB_METALS	Turbidity Check		6/28/2016
1606G21-008A	6/17/2016 9:50:00 A	37488	TURB_METALS	Turbidity Check		6/28/2016
1606G21-009A		37488	TURB_METALS	Turbidity Check		6/28/2016
1606G21-010A		37488	TURB_METALS	Turbidity Check		6/28/2016
1606G21-011A	6/17/2016 9:54:00 A	37488	TURB_METALS	Turbidity Check		6/28/2016



Qualifiers:

*/x	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accreditation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)
N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit
P	Present
Q	Accreditation 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



SUBURBAN LABORATORIES, Inc.
 1950 S. Batavia Ave. Geneva, IL 60134
 Tel. 708.544.3260 Fax: 708.544.8587

CHAIN OF CUSTODY RECORD
 Toll Free: 800.783.LABS
 www.suburbanlabs.com

Electronic Version
 Page 1 of 2
 PO No. 2016-2727
 Shipping Method

Company Name: **HYGIENEERING, INC.**
 Company Address: **7575 PRAZA CT.**
 City: **WILLOW BROOK** State: **IL.** Zip: **60527**

Phone: **1-630-654-2550** Fax: **60527**
 Email Address: Fax Report Email Report

Project ID / Location: **2016-2727 Des Plaines Campus / SHC**
 Project Manager (Report to): **KEVIN DOYLE / ANTHONY KENNEDY**

TURNAROUND TIME REQUESTED
 Normal RUSH*
 *Additional Rush Charges Approved.
 *Date & Time Needed:
 Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.
 Specify Regulatory Program: None/Info only
 LUST SRP SDWA
 503 Sludge NPDES MWRDGC
 Disposal Other *Please specify in comment section below.

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

SAMPLE IDENTIFICATION (Please use 1 line per container type)	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS QTY SIZE & TYPE	PRESERVATIVE	ANALYSIS & METHOD REQUESTED	
	DATE	TIME					Enter an "X" in box below for request	Enter an "X" in box below for request
1 1600- WASTY DFS0-A	6/17/16	9:41	DW	1	8oz. (P)	HND3	X	X
2 1600-DFS0-B	6/17/16	9:41	DW	1	8oz. (P)	HND3	X	X
3 1600-DFS0-C	6/17/16	9:41	DW	1	8oz. (P)	HND3	X	X
4 1600-DFS1-D	6/17/16	9:47	DW	1	8oz. (P)	HND3	X	X
5 1600-DFS1-B	6/17/16	9:47	DW	1	8oz. (P)	HND3	X	X
6 1600-DFS1-C	6/17/16	9:47	DW	1	8oz. (P)	HND3	X	X
7 1600-DFS1-D	6/17/16	9:47	DW	1	8oz. (P)	HND3	X	X
8 1600-DFS1-A	6/17/16	9:50	DW	1	8oz. (P)	HND3	X	X
9 1600-DFS1-B	6/17/16	9:50	DW	1	8oz. (P)	HND3	X	X
10 1600-DFS1-C	6/17/16	9:50	DW	1	8oz. (P)	HND3	X	X
11 1600-R5557	6/17/16	9:54	DW	1	8oz. (P)	HND3	X	X
12	6/17/16		DW	1	8oz. (P)	HND3	X	X

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) **CONTAINER:** 2oz, 4oz, 8oz, 40m Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) **PRESERVATIVE:** H₂SO₄, HCl, HNO₃, Methanol (MeOH), NaOH, Sodium Bisulfate (NaB), Na₂Thio

CONDITION CODES:
 1. Improper/damaged container/cap
 2. Improper preservation
 3. Insufficient sample volume
 4. Headspace/air bubbles for VOCs
 5. Received past holding time
 6. Received frozen
 7. Label conflicts with COC

1. Relinquished By: **Anthony Kennedy** Date: **6/17/16**
 2. Relinquished By: _____ Date: _____
 3. Relinquished By: _____ Date: _____
 4. Relinquished By: _____ Date: _____

Received By: **AS** Time: **132** Ice: Ice:

Received By: _____ Time: _____ Ice: Ice:

Received By: _____ Time: _____ Ice: Ice:

Received By: _____ Time: _____ Ice: Ice:

Submission of samples subject to Terms and Conditions on back. Rev. 2/01/05 Please fill out this form completely, print sign & submit with samples. Keep a copy for your records.

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

June 30, 2016

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

Workorder: 1606G24

TEL: (630) 654-2550

FAX:

RE: 2016-2727 Des Plaines Campus Main Bldg Drinking Water Lead and
Copper Analysis

Dear Valerie Hofmann:

Suburban Laboratories, Inc. received 77 sample(s) on 6/17/2016 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,



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





Client: Hygieneering, Inc.

Date: June 30, 2016

Project: 2016-2727 Des Plaines Campus Main Bldg Drin

PO #: 2016-2727

WorkOrder: 1606G24

QC Level:

Temperature of samples upon receipt at SLI: C

Chain of Custody #: ELEC

General Comments:

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.
- All water analyses that are required to be performed in the field (e.g., pH, residual chlorine, sulfite, temperature, etc.) but are analyzed in the lab are identified as "in lab" and are considered past holding time. Following industry practices these results do not contain an "H" flag but are qualified as being analyzed in the lab.
- All radiological results are reported to the 95% confidence level.

Abbreviations:

- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS (Surrogate Standard): Quality control compound added to the sample by the lab.

Method References:

For a complete list of method references please contact us.

- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF1-A

Matrix: DRINKING WATER

Lab ID: 1606G24-001

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:10 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 3:09 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:09 AM	37484

Client Sample ID: 1600-DF1-B

Matrix: DRINKING WATER

Lab ID: 1606G24-002

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:10 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 3:12 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:12 AM	37484

Client Sample ID: 1600-DF2-A

Matrix: DRINKING WATER

Lab ID: 1606G24-003

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:10 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	179	1,300	100		µg/L	1	06/29/2016 3:15 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:15 AM	37484

Client Sample ID: 1600-DF2-B

Matrix: DRINKING WATER

Lab ID: 1606G24-004

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:10 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	225	1,300	100		µg/L	1	06/29/2016 3:18 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:18 AM	37484



Suburban Laboratories, Inc.

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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF3-A

Matrix: DRINKING WATER

Lab ID: 1606G24-005

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:14 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	206	1,300	100		µg/L	1	06/29/2016 3:21 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:21 AM	37484

Client Sample ID: 1600-DF3-B

Matrix: DRINKING WATER

Lab ID: 1606G24-006

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:14 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	208	1,300	100		µg/L	1	06/29/2016 3:23 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:23 AM	37484

Client Sample ID: 1600-DF30-A

Matrix: DRINKING WATER

Lab ID: 1606G24-007

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:17 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	253	1,300	100		µg/L	1	06/29/2016 3:35 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:35 AM	37484

Client Sample ID: 1600-DF30-B

Matrix: DRINKING WATER

Lab ID: 1606G24-008

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:17 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	377	1,300	100		µg/L	1	06/29/2016 3:38 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:38 AM	37484



Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF4-A

Matrix: DRINKING WATER

Lab ID: 1606G24-009

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:23 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	1,610	1,300	100	*	µg/L	1	06/29/2016 3:41 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:41 AM	37484

Client Sample ID: 1600-DF4-B

Matrix: DRINKING WATER

Lab ID: 1606G24-010

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:23 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	624	1,300	100		µg/L	1	06/29/2016 3:44 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:44 AM	37484

Client Sample ID: 1600-DF5-A

Matrix: DRINKING WATER

Lab ID: 1606G24-011

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:25 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 3:49 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:49 AM	37484

Client Sample ID: 1600-DF5-B

Matrix: DRINKING WATER

Lab ID: 1606G24-012

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:25 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	1,190	1,300	100		µg/L	1	06/29/2016 3:52 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:52 AM	37484



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF6-A

Matrix: DRINKING WATER

Lab ID: 1606G24-013

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:28 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 3:55 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:55 AM	37484

Client Sample ID: 1600-DF6-B

Matrix: DRINKING WATER

Lab ID: 1606G24-014

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:28 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 3:58 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 3:58 AM	37484

Client Sample ID: 1600-DF7

Matrix: DRINKING WATER

Lab ID: 1606G24-015

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:32 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 4:09 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 4:09 AM	37484

Client Sample ID: 1600-K51507

Matrix: DRINKING WATER

Lab ID: 1606G24-016

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:40 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 4:12 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 4:12 AM	37484



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF9-A

Matrix: DRINKING WATER

Lab ID: 1606G24-017

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:43 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 4:15 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 4:15 AM	37484

Client Sample ID: 1600-DF9-B

Matrix: DRINKING WATER

Lab ID: 1606G24-018

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:43 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 4:18 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 4:18 AM	37484

Client Sample ID: 1600-DF9-C

Matrix: DRINKING WATER

Lab ID: 1606G24-019

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:44 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 4:21 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 4:21 AM	37484

Client Sample ID: 1600-DF10

Matrix: DRINKING WATER

Lab ID: 1606G24-020

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:46 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	143	1,300	100		µg/L	1	06/29/2016 4:24 AM	37484
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 4:24 AM	37484



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF11-A

Matrix: DRINKING WATER

Lab ID: 1606G24-021

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:47 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 4:47 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 4:47 AM	37485

Client Sample ID: 1600-DF11-B

Matrix: DRINKING WATER

Lab ID: 1606G24-022

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:47 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 4:50 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 4:50 AM	37485

Client Sample ID: 1600-DF12-A

Matrix: DRINKING WATER

Lab ID: 1606G24-023

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:49 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	148	1,300	100		µg/L	1	06/29/2016 4:53 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 4:53 AM	37485

Client Sample ID: 1600-DF10-B

Matrix: DRINKING WATER

Lab ID: 1606G24-024

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:49 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	167	1,300	100		µg/L	1	06/29/2016 4:55 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 4:55 AM	37485



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF13-A

Matrix: DRINKING WATER

Lab ID: 1606G24-025

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:50 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 4:58 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 4:58 AM	37485

Client Sample ID: 1600-DF13-B

Matrix: DRINKING WATER

Lab ID: 1606G24-026

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:50 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 5:01 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:01 AM	37485

Client Sample ID: 1600-DF14-A

Matrix: DRINKING WATER

Lab ID: 1606G24-027

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:51 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 5:04 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:04 AM	37485

Client Sample ID: 1600-DF14-B

Matrix: DRINKING WATER

Lab ID: 1606G24-028

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 7:51 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 5:07 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:07 AM	37485



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF28-A

Matrix: DRINKING WATER

Lab ID: 1606G24-029

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:00 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	269	1,300	100		µg/L	1	06/29/2016 5:19 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:19 AM	37485

Client Sample ID: 1600-DF28-B

Matrix: DRINKING WATER

Lab ID: 1606G24-030

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:00 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	329	1,300	100		µg/L	1	06/29/2016 5:21 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:21 AM	37485

Client Sample ID: 1600-K52911

Matrix: DRINKING WATER

Lab ID: 1606G24-031

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:04 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	403	1,300	100		µg/L	1	06/29/2016 5:27 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:27 AM	37485

Client Sample ID: 1600-DF15

Matrix: DRINKING WATER

Lab ID: 1606G24-032

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:05 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	253	1,300	100		µg/L	1	06/29/2016 5:30 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:30 AM	37485



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-K51460-A

Matrix: DRINKING WATER

Lab ID: 1606G24-033

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:10 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 5:33 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:33 AM	37485

Client Sample ID: 1600-K51460-B

Matrix: DRINKING WATER

Lab ID: 1606G24-034

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:10 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 5:36 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:36 AM	37485

Client Sample ID: 1600-K51460-C

Matrix: DRINKING WATER

Lab ID: 1606G24-035

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:10 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 5:39 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:39 AM	37485

Client Sample ID: 1600-K51460-D

Matrix: DRINKING WATER

Lab ID: 1606G24-036

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:11 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 5:41 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:41 AM	37485



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF34-A

Matrix: DRINKING WATER

Lab ID: 1606G24-037

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:14 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	176	1,300	100		µg/L	1	06/29/2016 5:53 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:53 AM	37485

Client Sample ID: 1600-DF34-B

Matrix: DRINKING WATER

Lab ID: 1606G24-038

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:14 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	138	1,300	100		µg/L	1	06/29/2016 5:56 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:56 AM	37485

Client Sample ID: 1600-DF33-A

Matrix: DRINKING WATER

Lab ID: 1606G24-039

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:17 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	172	1,300	100		µg/L	1	06/29/2016 5:59 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 5:59 AM	37485

Client Sample ID: 1600-DF33-B

Matrix: DRINKING WATER

Lab ID: 1606G24-040

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:17 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	154	1,300	100		µg/L	1	06/29/2016 6:02 AM	37485
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 6:02 AM	37485



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF32

Matrix: DRINKING WATER

Lab ID: 1606G24-041

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:18 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	353	1,300	100		µg/L	1	06/29/2016 6:16 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 6:16 AM	37486

Client Sample ID: 1600-DF31

Matrix: DRINKING WATER

Lab ID: 1606G24-042

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:20 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	339	1,300	100		µg/L	1	06/29/2016 6:27 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 6:27 AM	37486

Client Sample ID: 1600-K51638

Matrix: DRINKING WATER

Lab ID: 1606G24-043

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:22 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 6:30 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 6:30 AM	37486

Client Sample ID: 1600-DF37

Matrix: DRINKING WATER

Lab ID: 1606G24-044

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:23 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	377	1,300	100		µg/L	1	06/29/2016 6:33 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 6:33 AM	37486



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF36-A

Matrix: DRINKING WATER

Lab ID: 1606G24-045

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:27 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	187	1,300	100		µg/L	1	06/29/2016 6:36 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 6:36 AM	37486

Client Sample ID: 1600-DF36-B

Matrix: DRINKING WATER

Lab ID: 1606G24-046

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:27 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	215	1,300	100		µg/L	1	06/29/2016 6:39 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 6:39 AM	37486

Client Sample ID: 1600-DF35-A

Matrix: DRINKING WATER

Lab ID: 1606G24-047

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:30 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	146	1,300	100		µg/L	1	06/29/2016 6:42 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 6:42 AM	37486

Client Sample ID: 1600-DF35-B

Matrix: DRINKING WATER

Lab ID: 1606G24-048

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:30 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	186	1,300	100		µg/L	1	06/29/2016 6:45 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 6:45 AM	37486



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF8-A

Matrix: DRINKING WATER

Lab ID: 1606G24-049

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:34 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	150	1,300	100		µg/L	1	06/29/2016 6:47 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 6:47 AM	37486

Client Sample ID: 1600-DF8-B

Matrix: DRINKING WATER

Lab ID: 1606G24-050

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:34 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	112	1,300	100		µg/L	1	06/29/2016 6:50 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 6:50 AM	37486

Client Sample ID: 1600-DF29-A

Matrix: DRINKING WATER

Lab ID: 1606G24-051

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:36 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	113	1,300	100		µg/L	1	06/29/2016 7:05 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 7:05 AM	37486

Client Sample ID: 1600-DF29-B

Matrix: DRINKING WATER

Lab ID: 1606G24-052

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:36 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	129	1,300	100		µg/L	1	06/29/2016 7:08 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 7:08 AM	37486



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF22-A

Matrix: DRINKING WATER

Lab ID: 1606G24-053

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:39 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	216	1,300	100		µg/L	1	06/29/2016 7:11 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 7:11 AM	37486

Client Sample ID: 1600-DF22-B

Matrix: DRINKING WATER

Lab ID: 1606G24-054

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:39 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	214	1,300	100		µg/L	1	06/29/2016 7:13 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 7:13 AM	37486

Client Sample ID: 1600-K52402

Matrix: DRINKING WATER

Lab ID: 1606G24-055

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:42 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 7:16 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 7:16 AM	37486

Client Sample ID: 1600-DF20-A

Matrix: DRINKING WATER

Lab ID: 1606G24-056

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:44 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 7:19 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 7:19 AM	37486



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF20-B

Matrix: DRINKING WATER

Lab ID: 1606G24-057

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:44 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	100	1,300	100		µg/L	1	06/29/2016 7:22 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 7:22 AM	37486

Client Sample ID: 1600-DF19-A

Matrix: DRINKING WATER

Lab ID: 1606G24-058

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:46 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 7:25 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 7:25 AM	37486

Client Sample ID: 1600-DF19-B

Matrix: DRINKING WATER

Lab ID: 1606G24-059

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:46 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 7:37 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 7:37 AM	37486

Client Sample ID: 1600-DF18-A

Matrix: DRINKING WATER

Lab ID: 1606G24-060

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:52 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 7:39 AM	37486
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 7:39 AM	37486



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF18-B

Matrix: DRINKING WATER

Lab ID: 1606G24-061

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:52 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 7:54 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 7:54 AM	37487

Client Sample ID: 1600-DF21-A

Matrix: DRINKING WATER

Lab ID: 1606G24-062

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:55 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 7:57 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 7:57 AM	37487

Client Sample ID: 1600-DF24-A

Matrix: DRINKING WATER

Lab ID: 1606G24-063

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:59 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 8:00 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:00 AM	37487

Client Sample ID: 1600-DF24-B

Matrix: DRINKING WATER

Lab ID: 1606G24-064

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:59 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 8:11 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:11 AM	37487



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF24-C

Matrix: DRINKING WATER

Lab ID: 1606G24-065

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 8:59 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 8:14 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:14 AM	37487

Client Sample ID: 1600-DF25-A

Matrix: DRINKING WATER

Lab ID: 1606G24-066

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:02 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 8:17 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:17 AM	37487

Client Sample ID: 1600-DF25-B

Matrix: DRINKING WATER

Lab ID: 1606G24-067

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:02 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 8:20 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:20 AM	37487

Client Sample ID: 1600-DF27-A

Matrix: DRINKING WATER

Lab ID: 1606G24-068

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:05 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 8:23 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:23 AM	37487



Suburban Laboratories, Inc.

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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF27-B

Matrix: DRINKING WATER

Lab ID: 1606G24-069

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:05 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 8:26 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:26 AM	37487

Client Sample ID: 1600-DF26-A

Matrix: DRINKING WATER

Lab ID: 1606G24-070

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:07 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	157	1,300	100		µg/L	1	06/29/2016 8:29 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:29 AM	37487

Client Sample ID: 1600-DF26-B

Matrix: DRINKING WATER

Lab ID: 1606G24-071

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:07 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 8:34 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:34 AM	37487

Client Sample ID: 1600-K50511

Matrix: DRINKING WATER

Lab ID: 1606G24-072

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:15 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	138	1,300	100		µg/L	1	06/29/2016 8:46 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:46 AM	37487



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-DF17

Matrix: DRINKING WATER

Lab ID: 1606G24-073

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:16 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 8:49 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:49 AM	37487

Client Sample ID: 1600-DF16-A

Matrix: DRINKING WATER

Lab ID: 1606G24-074

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:20 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	308	1,300	100		µg/L	1	06/29/2016 8:52 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:52 AM	37487

Client Sample ID: 1600-DF16-B

Matrix: DRINKING WATER

Lab ID: 1606G24-075

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:20 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	666	1,300	100		µg/L	1	06/29/2016 8:55 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:55 AM	37487

Client Sample ID: 1600-KJ0715

Matrix: DRINKING WATER

Lab ID: 1606G24-076

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:22 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs	
Copper	ND	1,300	100		µg/L	1	06/29/2016 8:57 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 8:57 AM	37487



Suburban Laboratories, Inc.

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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Des Plaines Campus Main Bldg Drin

Workorder: 1606G24

Client Sample ID: 1600-KJ0724

Matrix: DRINKING WATER

Lab ID: 1606G24-077

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 9:24 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS			Method: EPA-200.8-Rev 5.4, 1994			Analyst: mjs		
Copper	ND	1,300	100		µg/L	1	06/29/2016 9:00 AM	37487
Lead	ND	15.0	5.00		µg/L	1	06/29/2016 9:00 AM	37487



Suburban Laboratories, Inc.

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

PREP DATES REPORT

Client: Hygieneering, Inc.
Project: 2016-2727 Des Plaines Campus M

Report Date: June 30, 2016
Lab Order: 1606G24

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1606G24-001A	6/17/2016 7:10:00 A	37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-002A		37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-003A		37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-004A		37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-005A	6/17/2016 7:14:00 A	37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-006A		37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-007A	6/17/2016 7:17:00 A	37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-008A		37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-009A	6/17/2016 7:23:00 A	37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-010A		37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-011A	6/17/2016 7:25:00 A	37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-012A		37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-013A	6/17/2016 7:28:00 A	37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-014A		37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-015A	6/17/2016 7:32:00 A	37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-016A	6/17/2016 7:40:00 A	37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-017A	6/17/2016 7:43:00 A	37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-018A		37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-019A	6/17/2016 7:44:00 A	37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-020A	6/17/2016 7:46:00 A	37484	TURB_METALS	Turbidity Check		6/28/2016
1606G24-021A	6/17/2016 7:47:00 A	37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-022A		37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-023A	6/17/2016 7:49:00 A	37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-024A		37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-025A	6/17/2016 7:50:00 A	37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-026A		37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-027A	6/17/2016 7:51:00 A	37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-028A		37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-029A	6/17/2016 8:00:00 A	37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-030A		37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-031A	6/17/2016 8:04:00 A	37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-032A	6/17/2016 8:05:00 A	37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-033A	6/17/2016 8:10:00 A	37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-034A		37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-035A		37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-036A	6/17/2016 8:11:00 A	37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-037A	6/17/2016 8:14:00 A	37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-038A		37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-039A	6/17/2016 8:17:00 A	37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-040A		37485	TURB_METALS	Turbidity Check		6/28/2016
1606G24-041A	6/17/2016 8:18:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-042A	6/17/2016 8:20:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-043A	6/17/2016 8:22:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-044A	6/17/2016 8:23:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-045A	6/17/2016 8:27:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-046A		37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-047A	6/17/2016 8:30:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016



Suburban Laboratories, Inc.

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PREP DATES REPORT

Client: Hygieneering, Inc.
Project: 2016-2727 Des Plaines Campus M

Report Date: June 30, 2016
Lab Order: 1606G24

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1606G24-048A	6/17/2016 8:30:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-049A	6/17/2016 8:34:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-050A		37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-051A	6/17/2016 8:36:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-052A		37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-053A	6/17/2016 8:39:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-054A		37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-055A	6/17/2016 8:42:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-056A	6/17/2016 8:44:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-057A		37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-058A	6/17/2016 8:46:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-059A		37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-060A	6/17/2016 8:52:00 A	37486	TURB_METALS	Turbidity Check		6/28/2016
1606G24-061A		37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-062A	6/17/2016 8:55:00 A	37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-063A	6/17/2016 8:59:00 A	37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-064A		37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-065A		37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-066A	6/17/2016 9:02:00 A	37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-067A		37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-068A	6/17/2016 9:05:00 A	37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-069A		37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-070A	6/17/2016 9:07:00 A	37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-071A		37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-072A	6/17/2016 9:15:00 A	37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-073A	6/17/2016 9:16:00 A	37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-074A	6/17/2016 9:20:00 A	37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-075A		37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-076A	6/17/2016 9:22:00 A	37487	TURB_METALS	Turbidity Check		6/28/2016
1606G24-077A	6/17/2016 9:24:00 A	37487	TURB_METALS	Turbidity Check		6/28/2016



Qualifiers:

*/x	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accreditation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)
N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit
P	Present
Q	Accreditation 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



SUBURBAN LABORATORIES, Inc.
 1950 S. Batavia Ave. Geneva, IL 60134
 Tel. 708.544.3260 Fax: 708.544.8587

CHAIN OF CUSTODY RECORD
 Toll Free: 800.783.LABS
 www.suburbanlabs.com

Electronic Version
 Page 1 of 7
 PO No. 2016-2727
 Shipping Method
 QC Reporting Level 1 2 3
 LAB USE ONLY
 SLI Order No. 1006624
 Sample containers supplied by customer? Yes No
 Temperature of Received Samples °C
 Samples received within 24 hours of collection? Yes No
 R Condition Split LAB #

Company Name: **HYGIENEERING, INC.**
 Company Address: **7575 PRAZA CT.**
 City: **WILLOWBROOK** State: **IL.** Zip: **60527**
 Phone: **1-630-654-2550** Fax: Fax Report
 Email Address: Email Report

TURNAROUND TIME REQUESTED
 Normal RUSH*
 *Date & Time Needed:
 Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.
 Specify Regulatory Program: None/Info only
 (Required)
 LUST SRP SDWA
 S03 Sludge NPDES MWRDGC
 Disposal Other
 *Please specify in comment section below.

Project ID / Location: **2016-2727 Des Plaines Campus Main Bldg.**
 Project Manager (Report to): **KEVIN DOYLE / ANTHONY KENNEDY**

SAMPLE IDENTIFICATION (Please use 1 line per container type)	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS Qty SIZE & TYPE	PRESERVATIVE	ANALYSIS & METHOD REQUESTED						
	DATE	TIME					Enter an "X" in box below for request						
1 1600-DF1-A	6/17/16	7:10	DW		1 8oz. (P)	HND3	X	X					
2 1600-DF1-B	6/17/16	7:10	DW		1 8oz. (P)	HND3	X	X					
3 1600-DF2-A	6/17/16	7:10	DW		1 8oz. (P)	HND3	X	X					
4 1600-DF2-B	6/17/16	7:10	DW		1 8oz. (P)	HND3	X	X					
5 1600-DF3-A	6/17/16	7:14	DW		1 8oz. (P)	HND3	X	X					
6 1600-DF3-B	6/17/16	7:14	DW		1 8oz. (P)	HND3	X	X					
7 1600-DF30-A	6/17/16	7:17	DW		1 8oz. (P)	HND3	X	X					
8 1600-DF30-B	6/17/16	7:17	DW		1 8oz. (P)	HND3	X	X					
9 1600-DF4-A	6/17/16	7:25	DW		1 8oz. (P)	HND3	X	X					
10 1600-DF4-B	6/17/16	7:25	DW		1 8oz. (P)	HND3	X	X					
11 1600-DF5-A	6/17/16	7:25	DW		1 8oz. (P)	HND3	X	X					
12 1600-DF5-B	6/17/16	7:25	DW		1 8oz. (P)	HND3	X	X					

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H₂SO₄, HCl, HNO₃, Methanol (MeOH), NaOH, Sodium Bisulfate (MSB), Na₂Thio

COMMENTS & SPECIAL INSTRUCTIONS:

1. Relinquished By: **Hygieneering** Date: **6/17/16**
 Received By: **[Signature]** Time: **1320**
 Ice

2. Relinquished By: _____ Date: _____
 Received By: _____ Time: _____
 Ice

3. Relinquished By: _____ Date: _____
 Received By: _____ Time: _____
 Ice

4. Relinquished By: _____ Date: _____
 Received By: _____ Time: _____
 Ice

CONDITION CODES:
 1. Improper/damaged container/cap
 2. Improper preservation
 3. Insufficient sample volume
 4. Headspace/air bubbles for VOCs
 5. Received past holding time
 6. Received frozen
 7. Label conflicts with COC

Submission of samples subject to Terms and Conditions on back. Rev. 2010/05 Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.



SUBURBAN LABORATORIES, Inc.
 1950 S. Batavia Ave. Geneva, IL 60134
 Tel. 708.544.3260 Fax: 708.544.8587

CHAIN OF CUSTODY RECORD
 Toll Free: 800.783.LABS
 www.suburbanlabs.com

Electronic Version
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 PO No. 2016-2727
 Shipping Method Page 2 of 32

Company Name: **HYGIENERING, INC.**
 Company Address: **7575 PRAZA CT.**
 City: **WILLOWBROOK** State: **IL.** Zip: **60527**

Phone: **1-630-654-2550** Fax:
 Email Address: Fax Report Email Report

Project ID / Location: **2016-2727 Des Raines Campus Main Bldg.**
 Project Manager (Report to): **KEVIN DOYLE / ANTHONY KENNEDY**

SAMPLE IDENTIFICATION
 (Please use 1 line per container type)

TURNAROUND TIME REQUESTED
 Normal RUSH* *Additional Rush Charges Approved.
 *Date & Time Needed:
 Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.
 Specify Regulatory Program: None/Info only (Required)
 LUST SRP SDWA
 503 Sludge NPDES MWRDGC
 Disposal Other *Please specify in comment section below.

SAMPLE IDENTIFICATION	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS QTY, SIZE & TYPE	PRESERVATIVE	ANALYSIS & METHOD REQUESTED
	DATE	TIME					
1 1600-DFG-A	6/17/16	7:28	DW	1	8oz. (P)	HNO3	lc pb
2 1600-DFG-B	6/17/16	7:28	DW	1	8oz. (P)	HNO3	X X
3 1600-DF7	6/17/16	7:32	DW	1	8oz. (P)	HNO3	X X
4 1600-KS1507	6/17/16	7:40	DW	1	8oz. (P)	HNO3	X X
5 1600-DF9-A	6/17/16	7:43	DW	1	8oz. (P)	HNO3	X X
6 1600-DF9-B	6/17/16	7:43	DW	1	8oz. (P)	HNO3	X X
7 1600-DF9-C	6/17/16	7:44	DW	1	8oz. (P)	HNO3	X X
8 1600-DF16	6/17/16	7:46	DW	1	8oz. (P)	HNO3	X X
9 1600-DF11-A	6/17/16	7:47	DW	1	8oz. (P)	HNO3	X X
10 1600-DF11-B	6/17/16	7:47	DW	1	8oz. (P)	HNO3	X X
11 1600-DF12-A	6/17/16	7:49	DW	1	8oz. (P)	HNO3	X X
12 1600-DF12-B	6/17/16	7:49	DW	1	8oz. (P)	HNO3	X X

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H2SO4, HCl, HNO3, Methanol (MeOH), NaOH, Sodium Bisulfate (NaB), NaTrio

COMMENTS & SPECIAL INSTRUCTIONS:

CONDITION CODES:
 1. Improper/damaged container/stop
 2. Improper preservation
 3. Insufficient sample volume
 4. Headspace/air bubbles for VOCs
 5. Received past holding time
 6. Received frozen
 7. Label conflicts with COC

1. Relinquished By: *[Signature]* Date: 6/17/16
 2. Relinquished By: _____ Date: _____
 3. Relinquished By: _____ Date: _____
 4. Relinquished By: _____ Date: _____

Received By: *[Signature]* Time: 1:50 Ice Time _____ Ice
 Received By: _____ Time _____ Ice
 Received By: _____ Time _____ Ice
 Received By: _____ Time _____ Ice

Submission of samples subject to Terms and Conditions on back. Rev. 201/05 Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.



SUBURBAN LABORATORIES, Inc.
 1950 S. Batavia Ave. Geneva, IL 60134
 Tel. 708.544.3260 Fax: 708.544.8587

CHAIN OF CUSTODY RECORD
 Toll Free: 800.783.LABS
 www.suburbanlabs.com

Electronic Version

Company Name: **HYGIENERING, INC.**
 Company Address: **7575 PRAZA CT.**
 City: **WILLOWBROOK** State: **IL.** Zip: **60527**
 Phone: **1-630-654-2550** Fax:
 Email Address: Fax Report Email Report

TURNAROUND TIME REQUESTED
 Normal RUSH*
 *Date & Time Needed:
 Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.
 Specify Regulatory Program: None/Info only
 LUST SRP SDWA
 503 Sludge NPDES MWRDGC
 Disposal Other *Please specify in comment section below.

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

Page **3** of **7**
 PO No. **2016-2727**
 Shipping Method
 QC Reporting 1 2 3
 LAB USE ONLY
 SLI Order No. **16066224**
 Sample containers supplied by customer? Yes
 Temperature of Received Samples
 Samples received within 24 hours of collection? Yes

Project ID / Location: **2016-2727 Des Plaines Campus MAIN BLDG.**
 Project Manager (Report to): **KEVIN DOYLE / ANTHONY KENNEDY**

SAMPLE IDENTIFICATION <small>(Please use 1 line per container type)</small>	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS Qty SIZE & TYPE	PRESERVATIVE	ANALYSIS & METHOD REQUESTED	
	DATE	TIME					Request	Request
1 1600-DFT3-A	6/17/16	7:56	DW		1 8oz. (P)	HND3	X	X
2 1600-DFT3-B	6/17/16	7:56	DW		1 8oz. (P)	HND3	X	X
3 1600-DFT4-A	6/17/16	7:51	DW		1 8oz. (P)	HND3	X	X
4 1600-DFT4-B	6/17/16	7:51	DW		1 8oz. (P)	HND3	X	X
5 1600-DFT8-D	6/17/16	8:06	DW		1 8oz. (P)	HND3	X	X
6 1600-DFT8-B	6/17/16	8:06	DW		1 8oz. (P)	HND3	X	X
7 1600-K5291	6/17/16	8:04	DW		1 8oz. (P)	HND3	X	X
8 1600-DFT-13	6/17/16	8:05	DW		1 8oz. (P)	HND3	X	X
9 1600-K51460-A	6/17/16	8:10	DW		1 8oz. (P)	HND3	X	X
10 1600-K51460-B	6/17/16	8:10	DW		1 8oz. (P)	HND3	X	X
11 1600-K51460-C	6/17/16	8:10	DW		1 8oz. (P)	HND3	X	X
12 1600-K51460-D	6/17/16	8:11	DW		1 8oz. (P)	HND3	X	X

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H₂SO₄, HCl, HNO₃, Methanol (MeOH), NaOH, Sodium Bisulfate (NaB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:
 1. Reinquished By: **HYGIENING** Date: **6/17/16**
 2. Reinquished By:
 3. Reinquished By:
 4. Reinquished By:
 5. Received By:
 6. Received By:
 7. Label conflicts with COC

CONDITION CODES:
 1. Improper/damaged container/cap
 2. Improper preservation
 3. Insufficient sample volume
 4. Headspace/air bubbles for VOCs
 5. Received past holding time
 6. Received frozen
 7. Label conflicts with COC



SUBURBAN LABORATORIES, Inc.
 1950 S. Batavia Ave. Geneva, IL 60134
 Tel. 708.544.3260 Fax: 708.544.8587

CHAIN OF CUSTODY RECORD
 Toll Free: 800.783.LABS
 www.suburbanlabs.com

Electronic Version

Company Name: **HYGIENERING, INC.**
 Company Address: **7575 PLAZA CT.**
 City: **WILLOWBROOK** State: **IL.** Zip: **60527**

Phone: **1-630-654-2550** Fax: **60527**
 Email Address: Fax Report Email Report

Project ID / Location: **2016-2127 Des Plaines Campus Main Bldg.**
 Project Manager (Report to): **KEVIN DOYLE / ANTHONY KENNEDY**

SAMPLE IDENTIFICATION (Please use 1 line per container type)

TURNAROUND TIME REQUESTED
 Normal RUSH* *Additional Rush Charges Approved.
 *Date & Time Needed:
 Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.
 Specify Regulatory Program: None/Info only (Required)
 LUST SRP SDWA
 503 Sludge NPDES MWRDGC
 Disposal Other *Please specify in comment section below.

SAMPLE IDENTIFICATION	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS	PRESERVATIVE	ANALYSIS & METHOD REQUESTED	Enter an "X" in box below for request
	DATE	TIME						
1 / 600-DF34-A	6/17/16	8:14	DW	1	8oz. (P)	HND3	X	Y
2 / 666-DF34-B	6/17/16	8:14	DW	1	8oz. (P)	HND3	X	X
3 / 666-DF33-D	6/17/16	8:17	DW	1	8oz. (P)	HND3	X	X
4 / 660-DF33-B	6/17/16	8:17	DW	1	8oz. (P)	HND3	X	X
5 / 606-DF32	6/17/16	8:18	DW	1	8oz. (P)	HND3	X	X
6 / 600-DF31	6/17/16	8:20	DW	1	8oz. (P)	HND3	X	X
7 / 660-K51638	6/17/16	8:22	DW	1	8oz. (P)	HND3	X	X
8 / 600-DF37	6/17/16	8:23	DW	1	8oz. (P)	HND3	X	X
9 / 606-DF36-A	6/17/16	8:23	DW	1	8oz. (P)	HND3	X	X
10 / 606-DF36-B	6/17/16	8:27	DW	1	8oz. (P)	HND3	X	X
11 / 666-DF35-A	6/17/16	8:30	DW	1	8oz. (P)	HND3	X	X
12 / 600-DF35-B	6/17/16	8:30	DW	1	8oz. (P)	HND3	X	X

COMMENTS & SPECIAL INSTRUCTIONS:

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz. 4oz. 8oz. 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H₂SO₄, HCl, HNO₃, Methanol (MeOH), NaOH, Sodium Bisulfate (NaB), Natrio

1. Relinquished By: **Hygiene** Date: **6/17/16** 2. Relinquished By: _____ Date: _____
 Received By: **Hygiene** Time: **1:30** Ice: Received By: _____ Time: _____ Ice:

3. Relinquished By: _____ Date: _____ 4. Relinquished By: _____ Date: _____
 Received By: _____ Time: _____ Ice: Received By: _____ Time: _____ Ice:

5. Relinquished By: _____ Date: _____ 6. Relinquished By: _____ Date: _____
 Received By: _____ Time: _____ Ice: Received By: _____ Time: _____ Ice:

7. Label conflicts with CCC

CONDITION CODES:
 1. Improper/damaged container/cap
 2. Improper preservation
 3. Insufficient sample volume
 4. Headspace/air bubbles for VOCs
 5. Received past holding time
 6. Received frozen
 7. Label conflicts with CCC

Submission of samples subject to Terms and Conditions on back. Rev. 2/01/05



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 Tel. 708.544.3260

Fax: 708.544.8587
 Toll Free: 800.783.LABS

www.suburbanlabs.com

Electronic Version

Company Name: **HYGIENERING, INC.**

Company Address: **7575 PRAZA CT.**

City: **WILLOWBROOK** State: **IL.** Zip: **60527**

Phone: **1-630-654-2550** Fax: **60527**

Project ID / Location: **2016-2727 Des Plaines Campus Main Bldg.**

Project Manager (Report to): **KEVIN DOYLE / ANTHONY KENNEDY**

Sample Collector(s): **KEVIN DOYLE / ANTHONY KENNEDY**

TURNAROUND TIME REQUESTED
 Normal RUSH*
 *Date & Time Needed:
 Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.

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

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

Shipping Method: **LAB USE ONLY**

QC Reporting Level: 1 2 3

SI Order No.: **1606624**

Sample containers supplied by customer? Yes

Temperature of Received Samples: °C

Samples received within 24 hours of collection? Yes

R Condition: **6/17/16** Spill: **LAB #**

Page **6** of **7**

PO No.: **2016-2727**

Page **6** of **7**

Shipping Method: **LAB USE ONLY**

QC Reporting Level: 1 2 3

SI Order No.: **1606624**

SAMPLE IDENTIFICATION (Please use 1 line per container type)	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS		PRESERVATIVE	ANALYSIS & METHOD REQUESTED	Enter an "X" in box below for request
	DATE	TIME			QTY	SIZE & TYPE			
1 1000-DF18-B	6/17/16	8:52	DW		1	8oz. (P)	HND3	X	X
2 1000-DF21-A	6/17/16	8:55	DW		1	8oz. (P)	HND3	X	X
3 1000-DF24-A	6/17/16	8:59	DW		1	8oz. (P)	HND3	X	X
4 1000-DF24-B	6/17/16	8:59	DW		1	8oz. (P)	HND3	X	X
5 1000-DF24-C	6/17/16	8:59	DW		1	8oz. (P)	HND3	X	X
6 1000-DF25-A	6/17/16	9:00	DW		1	8oz. (P)	HND3	X	X
7 1000-DF25-B	6/17/16	9:00	DW		1	8oz. (P)	HND3	X	X
8 1000-DF27-A	6/17/16	9:05	DW		1	8oz. (P)	HND3	X	X
9 1000-DF27-B	6/17/16	9:05	DW		1	8oz. (P)	HND3	X	X
10 1000-DF28-A	6/17/16	9:07	DW		1	8oz. (P)	HND3	X	X
11 1000-DF28-B	6/17/16	9:07	DW		1	8oz. (P)	HND3	X	X
12 1000-KS0511	6/17/16	9:15	DW		1	8oz. (P)	HND3	X	X

COMMENTS & SPECIAL INSTRUCTIONS:

CONDITION CODES:
 1. Improper/damaged container/cap
 2. Improper preservation
 3. Inadequate sample volume
 4. Headspacer/air bubbles for VOCs
 5. Received past holding time
 6. Received frozen
 7. Label conflicts with COC

1. Reinquished By: **Hygiene King** Date: **6/17/16**
 2. Reinquished By: _____ Date: _____
 3. Reinquished By: _____ Date: _____
 4. Reinquished By: _____ Date: _____

Received By: **Hygiene King** Time: **1330**
 Received By: _____ Time: _____
 Received By: _____ Time: _____
 Received By: _____ Time: _____

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CHAIN OF CUSTODY RECORD

Electronic Version

Company Name: **HYGIENEERING, INC.**
 Company Address: **7575 PAZA CT.**
 City: **WILLOWBROOK** State: **IL.** Zip: **60527**

Phone: **1-630-654-2550** Fax Report
 Email Address: Email Report

Project ID / Location: **2016-2727 Des Plaines Campus Main Bldg.**
 Project Manager (Report to): **KEVIN DOYLE / ANTHONY KENNEDY**

TURNAROUND TIME REQUESTED: Normal RUSH*
 *Date & Time Needed: _____
 *Additional Rush Charges Approved: _____
 Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.

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

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

Shipping Method: _____ Page 7 of 7
 PO No. **2016-2727** of 32
 Lab Use Only: 1 2 3
 SLI Order No. **1606524**
 Sample containers supplied by customer? Yes
 Temperature of Received Samples: _____ °C
 Samples received within 24 hours of collection? Yes

SAMPLE IDENTIFICATION (Please use 1 line per container type)	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS Qty. SIZE & TYPE	PRESERVATIVE	ANALYSIS & METHOD REQUESTED										
	DATE	TIME					1	2	3	4	5	6	7				
1 1000-DF17	6/17/16	9:16	DW	1	8oz. (P)	HND3	X	X									
2 1000-DF16-A	6/17/16	9:20	DW	1	8oz. (P)	HND3	X	X									
3 1000-DF16-B	6/17/16	9:20	DW	1	8oz. (P)	HND3	X	X									
4 1000-K50715	6/17/16	9:22	DW	1	8oz. (P)	HND3	X	X									
5 1000-K50724	6/17/16	9:24	DW	1	8oz. (P)	HND3	X	X									
6	6/17/16		DW	1	8oz. (P)	HND3	X	X									
7	6/17/16		DW	1	8oz. (P)	HND3	X	X									
8	6/17/16		DW	1	8oz. (P)	HND3	X	X									
9	6/17/16		DW	1	8oz. (P)	HND3	X	X									
10	6/17/16		DW	1	8oz. (P)	HND3	X	X									
11	6/17/16		DW	1	8oz. (P)	HND3	X	X									
12	6/17/16		DW	1	8oz. (P)	HND3	X	X									

1. Requisitioned By: *[Signature]* Date: *6/17/16*
 2. Relinquished By: _____ Date: _____
 3. Requisitioned By: _____ Date: _____
 4. Relinquished By: _____ Date: _____

Received By: *[Signature]* Time: *1:10*
 Ice

Received By: _____ Time: _____
 Ice

Received By: _____ Time: _____
 Ice

Received By: _____ Time: _____
 Ice

Received By: _____ Time: _____
 Ice

Submission of samples subject to Terms and Conditions on back. Rev. 2011/05 Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.

CONDITION CODES:
 1. Improper/damaged container/cap
 2. Improper preservation
 3. Insufficient sample volume
 4. Headspace/bubbles for VOCs
 5. Received past holding time
 6. Received frozen
 7. Label conflicts with COC

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

June 30, 2016

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

Workorder: 1606G26

TEL: (630) 654-2550

FAX:

RE: 2016-2727 Skokie Campus Ray Harstein Drinking Water Lead and Copper
Analysis

Dear Valerie Hofmann:

Suburban Laboratories, Inc. received 38 sample(s) on 6/17/2016 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,



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





Client: Hygieneering, Inc.

Date: June 30, 2016

Project: 2016-2727 Skokie Campus Ray Harstein Drinki

PO #: 2016-2727

WorkOrder: 1606G26

QC Level:

Temperature of samples upon receipt at SLI: 24 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:



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Skokie Campus Ray Harstein Drinkin

Workorder: 1606G26

Client Sample ID: 7701-DF112-A

Matrix: DRINKING WATER

Lab ID: 1606G26-001

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 10:57 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
					Method: EPA-200.8-Rev 5.4, 1994		Analyst: jmk	
Copper	ND	1,300	100		µg/L	1	06/20/2016 1:48 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 1:48 PM	37238

Client Sample ID: 7701-DF112-B

Matrix: DRINKING WATER

Lab ID: 1606G26-002

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 10:57 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
					Method: EPA-200.8-Rev 5.4, 1994		Analyst: jmk	
Copper	ND	1,300	100		µg/L	1	06/20/2016 1:55 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 1:55 PM	37238

Client Sample ID: 7701-DF112-C

Matrix: DRINKING WATER

Lab ID: 1606G26-003

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 10:57 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
					Method: EPA-200.8-Rev 5.4, 1994		Analyst: jmk	
Copper	ND	1,300	100		µg/L	1	06/20/2016 1:59 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 1:59 PM	37238

Client Sample ID: 7701-DF118-A

Matrix: DRINKING WATER

Lab ID: 1606G26-004

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:01 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
					Method: EPA-200.8-Rev 5.4, 1994		Analyst: jmk	
Copper	167	1,300	100		µg/L	1	06/20/2016 2:03 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 2:03 PM	37238



Suburban Laboratories, Inc.

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

Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Skokie Campus Ray Harstein Drinkin

Workorder: 1606G26

Client Sample ID: 7701-DF118-B

Matrix: DRINKING WATER

Lab ID: 1606G26-005

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:01 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	175	1,300	100		µg/L	1	06/20/2016 2:17 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 2:17 PM	37238

Client Sample ID: 7701-KSA168-A

Matrix: DRINKING WATER

Lab ID: 1606G26-006

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:06 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	244	1,300	100		µg/L	1	06/20/2016 2:20 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 2:20 PM	37238

Client Sample ID: 7701-KSA168-B

Matrix: DRINKING WATER

Lab ID: 1606G26-007

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:06 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	ND	1,300	100		µg/L	1	06/20/2016 2:24 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 2:24 PM	37238

Client Sample ID: 7701-KSA168-C

Matrix: DRINKING WATER

Lab ID: 1606G26-008

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:06 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	ND	1,300	100		µg/L	1	06/20/2016 2:27 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 2:27 PM	37238



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Skokie Campus Ray Harstein Drinkin

Workorder: 1606G26

Client Sample ID: 7701-KSA168-D

Matrix: DRINKING WATER

Lab ID: 1606G26-009

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:06 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	ND	1,300	100		µg/L	1	06/20/2016 2:31 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 2:31 PM	37238

Client Sample ID: 7701-KSA183

Matrix: DRINKING WATER

Lab ID: 1606G26-010

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:11 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	181	1,300	100		µg/L	1	06/20/2016 2:34 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 2:34 PM	37238

Client Sample ID: 7701-DF103-A

Matrix: DRINKING WATER

Lab ID: 1606G26-011

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:13 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	369	1,300	100		µg/L	1	06/20/2016 3:05 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 3:05 PM	37238

Client Sample ID: 7701-DF103-B

Matrix: DRINKING WATER

Lab ID: 1606G26-012

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:13 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	422	1,300	100		µg/L	1	06/20/2016 3:09 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 3:09 PM	37238



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Skokie Campus Ray Harstein Drinkin

Workorder: 1606G26

Client Sample ID: 7701-DF102-A

Matrix: DRINKING WATER

Lab ID: 1606G26-013

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:15 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	411	1,300	100		µg/L	1	06/20/2016 3:12 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 3:12 PM	37238

Client Sample ID: 7701-DF102-B

Matrix: DRINKING WATER

Lab ID: 1606G26-014

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:15 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	425	1,300	100		µg/L	1	06/20/2016 3:16 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 3:16 PM	37238

Client Sample ID: 7701-DF101

Matrix: DRINKING WATER

Lab ID: 1606G26-015

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:16 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	490	1,300	100		µg/L	1	06/20/2016 3:19 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 3:19 PM	37238

Client Sample ID: 7701-KSA121

Matrix: DRINKING WATER

Lab ID: 1606G26-016

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:19 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	ND	1,300	100		µg/L	1	06/20/2016 3:23 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 3:23 PM	37238



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Skokie Campus Ray Harstein Drinkin

Workorder: 1606G26

Client Sample ID: 7701-DF104

Matrix: DRINKING WATER

Lab ID: 1606G26-017

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:21 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	380	1,300	100		µg/L	1	06/20/2016 3:26 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 3:26 PM	37238

Client Sample ID: 7701-DF105-A

Matrix: DRINKING WATER

Lab ID: 1606G26-018

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:28 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	346	1,300	100		µg/L	1	06/20/2016 3:40 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 3:40 PM	37238

Client Sample ID: 7701-DF105-B

Matrix: DRINKING WATER

Lab ID: 1606G26-019

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:28 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	271	1,300	100		µg/L	1	06/20/2016 3:44 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 3:44 PM	37238

Client Sample ID: 7701-DF106

Matrix: DRINKING WATER

Lab ID: 1606G26-020

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:29 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	1,070	1,300	100		µg/L	1	06/20/2016 3:47 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 3:47 PM	37238



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Skokie Campus Ray Harstein Drinkin

Workorder: 1606G26

Client Sample ID: 7701-DF107-A

Matrix: DRINKING WATER

Lab ID: 1606G26-021

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:31 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	341	1,300	100		µg/L	1	06/20/2016 3:54 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 3:54 PM	37238

Client Sample ID: 7701-DF107-B

Matrix: DRINKING WATER

Lab ID: 1606G26-022

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:31 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	400	1,300	100		µg/L	1	06/20/2016 3:57 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 3:57 PM	37238

Client Sample ID: 7701-DF110-A

Matrix: DRINKING WATER

Lab ID: 1606G26-023

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:34 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	121	1,300	100		µg/L	1	06/20/2016 4:01 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 4:01 PM	37238

Client Sample ID: 7701-DF110-B

Matrix: DRINKING WATER

Lab ID: 1606G26-024

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:34 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	ND	1,300	100		µg/L	1	06/20/2016 4:04 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 4:04 PM	37238



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Skokie Campus Ray Harstein Drinkin

Workorder: 1606G26

Client Sample ID: 7701-KSC155

Matrix: DRINKING WATER

Lab ID: 1606G26-025

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:39 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	ND	1,300	100		µg/L	1	06/20/2016 4:08 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 4:08 PM	37238

Client Sample ID: 7701-DF109

Matrix: DRINKING WATER

Lab ID: 1606G26-026

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:42 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	601	1,300	100		µg/L	1	06/20/2016 4:22 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 4:22 PM	37238

Client Sample ID: 7701-DF111

Matrix: DRINKING WATER

Lab ID: 1606G26-027

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:41 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	ND	1,300	100		µg/L	1	06/20/2016 4:25 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 4:25 PM	37238

Client Sample ID: 7701-DF108

Matrix: DRINKING WATER

Lab ID: 1606G26-028

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:40 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	1,340	1,300	100	*	µg/L	1	06/20/2016 4:29 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 4:29 PM	37238



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Skokie Campus Ray Harstein Drinkin

Workorder: 1606G26

Client Sample ID: 7701-DF113-A

Matrix: DRINKING WATER

Lab ID: 1606G26-029

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:46 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	349	1,300	100		µg/L	1	06/20/2016 4:32 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 4:32 PM	37238

Client Sample ID: 7701-DF113-B

Matrix: DRINKING WATER

Lab ID: 1606G26-030

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:46 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	256	1,300	100		µg/L	1	06/20/2016 4:36 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 4:36 PM	37238

Client Sample ID: 7701-DF113-C

Matrix: DRINKING WATER

Lab ID: 1606G26-031

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:46 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	284	1,300	100		µg/L	1	06/20/2016 5:04 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 5:04 PM	37238

Client Sample ID: 7701-DF114-A

Matrix: DRINKING WATER

Lab ID: 1606G26-032

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:51 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	243	1,300	100		µg/L	1	06/20/2016 5:07 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 5:07 PM	37238



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Skokie Campus Ray Harstein Drinkin

Workorder: 1606G26

Client Sample ID: 7701-DF114-B

Matrix: DRINKING WATER

Lab ID: 1606G26-033

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:51 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk								
Copper	268	1,300	100		µg/L	1	06/20/2016 5:10 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 5:10 PM	37238

Client Sample ID: 7701-DF115-A

Matrix: DRINKING WATER

Lab ID: 1606G26-034

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:54 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk								
Copper	348	1,300	100		µg/L	1	06/20/2016 5:14 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 5:14 PM	37238

Client Sample ID: 7701-DF115-B

Matrix: DRINKING WATER

Lab ID: 1606G26-035

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:54 AM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk								
Copper	325	1,300	100		µg/L	1	06/20/2016 5:17 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 5:17 PM	37238

Client Sample ID: 7701-DF116-A

Matrix: DRINKING WATER

Lab ID: 1606G26-036

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 12:00 PM

Parameter	Result	MCL	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICPMS Method: EPA-200.8-Rev 5.4, 1994 Analyst: jmk								
Copper	311	1,300	100		µg/L	1	06/20/2016 5:21 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 5:21 PM	37238



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Laboratory Results

Client ID: Hygieneering, Inc.

Report Date: June 30, 2016

Project Name: 2016-2727 Skokie Campus Ray Harstein Drinkin

Workorder: 1606G26

Client Sample ID: 7701-DF116-B

Matrix: DRINKING WATER

Lab ID: 1606G26-037

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 12:00 PM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	315	1,300	100		µg/L	1	06/20/2016 5:24 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 5:24 PM	37238

Client Sample ID: 7701-DF117

Matrix: DRINKING WATER

Lab ID: 1606G26-038

Date Received: 06/17/2016 1:20 PM

Collection Date: 06/17/2016 11:56 AM

Parameter	Result	Report		Qual.	Units	Dilution		Batch ID
		MCL	Limit			Factor	Date Analyzed	
METALS BY ICPMS								
				Method: EPA-200.8-Rev 5.4, 1994			Analyst: jmk	
Copper	900	1,300	100		µg/L	1	06/20/2016 5:28 PM	37238
Lead	ND	15.0	5.00		µg/L	1	06/20/2016 5:28 PM	37238



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PREP DATES REPORT

Client: Hygieneering, Inc.
Project: 2016-2727 Skokie Campus Ray Ha

Report Date: June 30, 2016
Lab Order: 1606G26

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1606G26-001A	6/17/2016 10:57:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-002A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-003A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-004A	6/17/2016 11:01:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-005A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-006A	6/17/2016 11:06:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-007A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-008A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-009A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-010A	6/17/2016 11:11:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-011A	6/17/2016 11:13:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-012A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-013A	6/17/2016 11:15:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-014A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-015A	6/17/2016 11:16:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-016A	6/17/2016 11:19:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-017A	6/17/2016 11:21:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-018A	6/17/2016 11:28:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-019A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-020A	6/17/2016 11:29:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-021A	6/17/2016 11:31:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-022A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-023A	6/17/2016 11:34:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-024A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-025A	6/17/2016 11:39:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-026A	6/17/2016 11:42:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-027A	6/17/2016 11:41:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-028A	6/17/2016 11:40:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-029A	6/17/2016 11:46:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-030A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-031A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-032A	6/17/2016 11:51:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-033A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-034A	6/17/2016 11:54:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-035A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-036A	6/17/2016 12:00:00 P	37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-037A		37238	TURB_METALS	Turbidity Check		6/20/2016
1606G26-038A	6/17/2016 11:56:00 A	37238	TURB_METALS	Turbidity Check		6/20/2016



Qualifiers:

*/x	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accreditation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)
N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit
P	Present
Q	Accreditation 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



SUBURBAN LABORATORIES, Inc.
 1950 S. Batavia Ave. Geneva, IL 60134
 Tel: 708.544.3260 Fax: 708.544.8587

CHAIN OF CUSTODY RECORD
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 www.suburbanlabs.com

Electronic Version
 Page 1 of 4
 PO No. 2016-2727

Company Name: **HYGIENEERING, INC.**
 Company Address: **7575 PRAZA CT.**
 City: **WILLOWBROOK** State: **IL.** Zip: **60527**

Phone: **1-630-654-2550** Fax:
 Email Address: Fax Report Email Report

Project ID / Location: **2016-2727 Skokie Campus / Ray HaeSTEIN.**
 Project Manager (Report to): **KEVIN DOYLE / ANTHONY KENNEDY**

TURNAROUND TIME REQUESTED
 Normal RUSH*
 *Date & Time Needed:
 Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.
 Specify Regulatory Program: None/Info only
 LUST SRP SDWA
 503 Sludge NPDES MWRDGC
 Disposal Other
 *Please specify in comment section below.

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

SAMPLE IDENTIFICATION <small>(Please use 1 line per container type)</small>	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS Qty SIZE & TYPE	PRESERVATIVE	ANALYSIS & METHOD REQUESTED					
	DATE	TIME					1	2	3	4		
1 7701-DF112-A	6/17/16	10:57	DW		1 8oz. (P)	HND3	X	X				
2 7701-DF112-B	6/17/16	10:57	DW		1 8oz. (P)	HND3	X	X				
3 7701-DF112-C	6/17/16	10:57	DW		1 8oz. (P)	HND3	X	X				
4 7701-DF118-A	6/17/16	11:01	DW		1 8oz. (P)	HND3	X	X				
5 7701-DF118-B	6/17/16	11:01	DW		1 8oz. (P)	HND3	X	X				
6 7701-KSA168-A	6/17/16	11:06	DW		1 8oz. (P)	HND3	X	X				
7 7701-KSA168-B	6/17/16	11:06	DW		1 8oz. (P)	HND3	X	X				
8 7701-KSA168-C	6/17/16	11:06	DW		1 8oz. (P)	HND3	X	X				
9 7701-KSA168-D	6/17/16	11:06	DW		1 8oz. (P)	HND3	X	X				
10 7701-KSA 183	6/17/16	11:11	DW		1 8oz. (P)	HND3	X	X				
11 7701-DF103-A	6/17/16	11:13	DW		1 8oz. (P)	HND3	X	X				
12 7701-DF103-B	6/17/16	11:13	DW		1 8oz. (P)	HND3	X	X				

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (L), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H₂SO₄, HCl, HNO₃, Methanol (MeOH), NaOH, Sodium Bisulfate (NaBi), NaTHiO

COMMENTS & SPECIAL INSTRUCTIONS:
 1. Impover/damaged container/cap
 2. Improper preservation
 3. Insufficient sample volume
 4. Handspacelair bubbles for VOCs
 5. Received past holding time
 6. Received frozen
 7. Label conflicts with COC

1. Requisitioned By: *[Signature]* Date: **6/17/16**
 Received By: *[Signature]* Time: **1:20**

2. Requisitioned By:
 Received By:
 Time:
 Ice:

3. Requisitioned By:
 Received By:
 Date:
 Time:
 Ice:

4. Requisitioned By:
 Received By:
 Date:
 Time:
 Ice:

5. Requisitioned By:
 Received By:
 Date:
 Time:
 Ice:

6. Requisitioned By:
 Received By:
 Date:
 Time:
 Ice:

Submission of samples subject to Terms and Conditions on back. Rev. 2011/05 Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.



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Electronic Version
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 PO No. 2016-2727

Company Name: **HYGIENERKING, INC.**
 Company Address: **7575 PRAZA CT.**
 City: **WILLOW BROOK** State: **IL.** Zip: **60527**

Phone: **1-630-654-2550** Fax: **60527**
 Email Address: Fax Report Email Report

Project ID / Location: **2016-2727**
 Project Manager (Report to): **KEVIN DOYLE / ANTHONY KENNEDY**

TURNAROUND TIME REQUESTED
 Normal RUSH*
 *Additional Rush Charges Approved.
 *Date & Time Needed:
 Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.

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

SAMPLE IDENTIFICATION (Please use 1 line per container type)

SAMPLE IDENTIFICATION	COLLECTION		MATRIX	GRAB/COMP.	CONTAINERS QTY, SIZE & TYPE	PRESERVATIVE	ANALYSIS & METHOD REQUESTED	Enter an "X" in box below for request
	DATE	TIME						
1 7701-KSR155	6/17/16	11:39A	DW		1 8oz. (P)	HNO3	X	X
2 7701-DF109	6/17/16	11:42C	DW		1 8oz. (P)	HNO3	X	X
3 7701-DF111	6/17/16	11:41	DW		1 8oz. (P)	HNO3	X	X
4 7701-DF108	6/17/16	11:40	DW		1 8oz. (P)	HNO3	X	X
5 7701-D113-A	6/17/16	11:46	DW		1 8oz. (P)	HNO3	X	X
6 7701-DF115-B	6/17/16	11:46	DW		1 8oz. (P)	HNO3	X	X
7 7701-DF115-C	6/17/16	11:46	DW		1 8oz. (P)	HNO3	X	X
8 7701-DF114-A	6/17/16	11:51	DW		1 8oz. (P)	HNO3	X	X
9 7701-DF114-B	6/17/16	11:51	DW		1 8oz. (P)	HNO3	X	X
10 7701-DF115-D	6/17/16	11:54	DW		1 8oz. (P)	HNO3	X	X
11 7701-DF115-B	6/17/16	11:54	DW		1 8oz. (P)	HNO3	X	X
12 7701-DF116-A	6/17/16	12:00	DW		1 8oz. (P)	HNO3	X	X

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H2SO4, HCl, HNO3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), Na2Thio

COMMENTS & SPECIAL INSTRUCTIONS:

CONDITION CODES:
 1. Improper/damaged container/cap
 2. Improper preservation
 3. Insufficient sample volume
 4. Headspace/air bubbles for VOCs
 5. Received past holding time
 6. Received frozen
 7. Label conflicts with CCC

1. Relinquished By: *[Signature]* Date: **6/17/16**
 2. Relinquished By: _____ Date: _____
 3. Relinquished By: _____ Date: _____
 4. Relinquished By: _____ Date: _____
 5. Relinquished By: _____ Date: _____
 6. Relinquished By: _____ Date: _____
 7. Label conflicts with CCC

Received By: *[Signature]* Time: **1:20** Ice:
 Received By: _____ Time: _____ Ice:
 Received By: _____ Time: _____ Ice:
 Received By: _____ Time: _____ Ice:
 Received By: _____ Time: _____ Ice:
 Received By: _____ Time: _____ Ice:
 Submission of samples subject to Terms and Conditions on back. Rev. 2011/05 Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.

