

**2016 LEAD/COOPER IN DRINKING WATER TEST SURVEY REPORT #2  
ROUND #2 FOLLOWUP TESTING RESULTS**

**FOR THE  
GLENCOE SCHOOL DISTRICT #35 SCHOOLS**

**Prepared for:**

**Glencoe School District #35  
620 Greenwood Avenue  
Glencoe, Illinois 60022**

**Prepared by:**

**JMS Environmental Associates, Ltd.  
816 Burr Oak Drive  
Westmont, Illinois 60559**

13 September 2016

**JMS Environmental Associates, Ltd.**

816 Burr Oak Drive\*Westmont, Illinois, 60559

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13 September 2016

Glencoe School District #35  
620 Greenwood Avenue  
Glencoe, Illinois 60022

Attn: Jason Edelheit,  
Director of Facilities & Finance

RE: 2016 Lead/Copper in Drinking Water Testing Survey Report #2;  
Round #2 Follow Up Testing Results

JMS Project: J-21514-a

Dear Mr. Edelheit:

The following report covers the results of the Lead and Copper in Drinking Water Testing Survey Report #2 that JMS Environmental Associates, Ltd. (JMS) performed for the Glencoe School District #35 at Central, South and West Schools located in Glencoe, Cook County, Illinois. This second report covers Round #2 of follow up water testing in each of the district's three school buildings. The water samples were collected from all accessible and operative potable drinking sources such as water fountains, water coolers, sinks and faucets that had previous detections of lead/copper and/or were repaired since the original water testing series.

The sampling protocol follows the current recommended U.S. EPA Drinking Water Standards for Schools and other Public Sources under the Safe Drinking Water Act (SDWA) which was enacted 1974 and amended and reauthorized in 1986 and 1996.

On 25 August 2016, JMS Technical Field Staff performed the followup water sampling at all three Glencoe Schools. At each school, two initial samples were taken from the closest water outlet to the water main to reconfirm that the incoming water supply does not contain lead in excess of the Maximum Contaminant Level (MCL) of 15 ppb or less. For Central School, the source sampling was the Basement Boiler Room Slop Sink. For South School it was the also the Basement Boiler Room Slop Sink. And for West School it was the sink faucet located in the Boiler Room.

All drinking water sources in all three schools were retested and indicated no detection of lead.

This confirmation of non detection of Lead and Copper correlates with information obtained by the school district from the Village of Glencoe.

The remainder of this survey report includes the tables of all of the analytical test data along with a summary of any detections of lead and copper in any water sources within the schools.

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### **DISCUSSION AND SUMMARY OF RESULTS:**

South School:

Follow up water testing was performed at the South School on 25 August 2016. The areas that were retested included the water outlet nearest the water source to the building which was in the Basement Mechanical Room Slop Sinks. In addition, retesting was performed on previous potable water outlets that had detections of lead above or below the current 15 parts per billion (ppb) concentration limit. Lastly, additional water samples were collected from new potable water sources in the newly renovated LRC, New Music Room 114C and renovated Classroom 160.

The results of the second round of lead in water testing indicated no detection of lead in the water in all tested water outlets including the following:

- Basement Mechanical Room Slop Sinks, (Water Line Source Outlets);
- New Music Room 114C Sink Faucet;
- Newer Kitchen Sink Faucets;
- Teacher's Lounge Faucet Sink, (Indoor Control Sample);
- Renovated Classroom 160 Sink Faucet (Old Music Room);
- Renovated LRC (Library) Sink Faucet.

Note, the previously tested sink faucets in the Old Gym Kitchen and Old Second Floor bathroom were made inoperable by the school district's plumber.

It is recommended that periodic water testing be performed on representative water outlets during the school year (i.e Winter and/or Spring), so as to gauge any changes in lead in water concentrations. Also, if any future plumbing repairs are made on any water outlets during the current school year, new water tests are highly recommended prior to bringing that water outlet into public use.

The Lead and Copper in Drinking Water test results for the South School indicated that 0 out of 8 retested samples were above 15 ppb lead concentration level or even analytically detected. Previous testing indicated 3 of the 83 samples were above the 15 ppb concentration limit with an addition 2 samples having detected lead less than 15 ppb. No retested samples were above the copper limit with two samples from the previous testing measuring above the copper concentration limit of 1,300 ppb and Detailed analytical water test results for the South School have been included in the appendix of this project report.

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### **DISCUSSION AND SUMMARY OF RESULTS: (continued)**

Central School:

Follow up water testing was performed at the Central School on 25 August 2016. The areas that were retested included the water outlet nearest the water source to the building which was in the Basement Boiler Room Slop Sink. In addition, retesting was performed on previous potable water outlets that had detections of lead above or below the current 15 parts per billion (ppb) concentration limit. Lastly, additional water samples were collected from previously untested and/or inaccessible potable water sources including the Conference Room Sink Faucet in Room 131A.

The results of the second round of lead in water testing indicated no detection of lead in the water in all tested water outlet source in the Basement Boiler Room and throughout the multi-level school with the exception to the following areas:

- Classroom 127 Sink Faucet, (5.5 ppb);
- Classroom 128 Sink Faucets,(6.2 ppb);
- Classroom 214 Bathroom Sink Faucet, (12 ppb);
- Classroom 128 Bathroom Sink Faucet, (15 ppb)•.
- 
- - Indicates at or above the U.S. EPA Concentration limit of 15 ppb.

Note, the Science Classroom Sink Faucets have been labeled as non-potable water. Future plans to perform sink faucet upgrades are being planned by the school district. Other previously tested water outlets that had detections of lead in water above the concentration limit that were permanently disconnected or inaccessible includes the sink faucets in the Misner Auditorium Basement Dressing Rooms.

It is recommended that periodic water testing be performed on representative water outlets during the school year (i.e Winter and/or Spring), so as to gauge any changes in lead in water concentrations. Also, if any future plumbing repairs are made on any water outlets during the current school year, new water tests are highly recommended prior to bringing that water outlet into public use.

The Lead and Copper in Drinking Water test results for the Central School indicated that 1 out of 43 retested samples were above the lead limit of 15 ppb and 3 other samples detected lead below the limit as compared to 9 of the 134 originally tested samples were above the 15 ppb limit. The only exceptions were the Science Rooms Sink Faucets which were signed as non-potable. Analytical water test results have been included in the appendix of this project report.

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### **DISCUSSION AND SUMMARY OF RESULTS: (continued)**

West School:

Follow up water testing was performed at the West School on 25 August 2016. The areas that were retested included the water outlet nearest the water source to the building which was in the Boiler Room Slop Sink. In addition, retesting was performed on previous potable water outlets that had detections of lead above or below the current 15 parts per billion (ppb) concentration limit.

The results of the second round of lead in water testing indicated no detection of lead in the water in all tested water outlet source in the Boiler Room and throughout the two level school with the exception to the following areas:

- Classroom L03 Sink Faucets, (110 ppb)\*;
  - Classroom 102 Sink Faucet, (63 ppb)\*;
  - Classroom 142 Sink Faucets, (6.2 ppb);
  - Classroom 144 Sink Faucet, (7.5 ppb);
  - Classroom 143 Bathroom Sink Faucet (Hot Water), (27 ppb)\*;
  - Classroom 145 Sink Faucet, (5.6 ppb).
- - Indicates at or above the U.S. EPA Concentration limit of 15 ppb.

Note, other previously tested water outlets that had detections of lead in water above the concentration limit that were permanently disconnected or inaccessible such as the bathroom sink multiple faucets on the lower and upper levels.

It is recommended that periodic water testing be performed on representative water outlets during the school year (i.e Winter and/or Spring), so as to gauge any changes in lead in water concentrations. Also, if any future plumbing repairs are made on any water outlets during the current school year, new water tests are highly recommended prior to bringing that water outlet into public use.

The Lead and Copper in Drinking Water test results for the West School indicated that 3 out of 22 retested water samples were above the lead limit as compared to 15 of the 54 originally tested samples were above the 15 ppb concentration limit with an addition 3 samples detecting lead below the limit as compared to 10 previously tested samples having detected lead less than 15 ppb. Detailed analytical water test results for the West School have been included in the appendix of this project report.

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### **RECOMMENDATIONS:**

For lead in water concentrations greater than 15 ppb, the U.S. E.P.A. recommends that the water outlet be turned off until remedial actions are completed.

For those water outlets with an elevated concentration of copper, JMS believe that with time and the rate of water usage, these elevated copper concentrations will be reduced drastically. Such counts are expected since almost all water piping was replaced with copper piping.

Recommended remedial actions for Lead in Water concentrations of greater than 15 parts per billion include the following:

- 1.) Shut off the water outlet source;
- 2.) Perform daily/weekly flushes of the water outlets;
- 3.) Clean out screens and filters from accumulated metal debris;
- 4.) Investigate if a lead pipe or lead pipe components are located in the schools  
Utilizing an experienced and licensed plumber;
- 5.) Raise the pH level in areas of the school to decrease leaching of lead from piping  
(including brass and copper types.)
- 6.) Resample the effected water outlets after any remedial or plumbing repairs.  
In addition, perform quarterly water tests throughout the schools to gauge any  
decrease or increase in lead/copper concentration levels.
- 7.) Investigate plans and drawings regarding the type of water piping in the school and  
plan for future replacement of drinking water systems with lead free lines and products.

If you have any questions regarding this report, please do not hesitate to contact us at JMS Environmental Associates, Ltd. .

JMS ENVIRONMENTAL ASSOCIATES, LTD.



Joseph M. Sterner, MS  
Environmental Director/President

**JMS Environmental Associates, Ltd.**

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**LEAD IN DRINKING WATER TABLE**

***JMS Environmental Associates, Ltd.***

CENTRAL SCHOOL



TABLE OF LABORATORY RESULTS LOCATIONS: GLENCOE CENTRAL SCHOOL

WO	Sample ID	Sampled On	Client ID	Description	Test Description	Method	Analyte	Results	RLimit	Units
16H2129	16H2129-01	08/25/2016 11:00	21514-08-2507-C	Basement Mechanical Rm Sink 1st Draw	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	300	50	ug/L
16H2129	16H2129-01	08/25/2016 11:00	21514-08-2507-C	Basement Mechanical Rm Sink 1st Draw	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-02	08/25/2016 09:00	21514-08-2508-C	Basement Mechanical Rm Sink 30 sec	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	170	50	ug/L
16H2129	16H2129-02	08/25/2016 09:00	21514-08-2508-C	Basement Mechanical Rm Sink 30 sec	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-03	08/25/2016 09:00	21514-08-2509-C	Science Rm 139 Faucet #1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	520	50	ug/L
16H2129	16H2129-03	08/25/2016 09:00	21514-08-2509-C	Science Rm 139 Faucet #1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	6.2	5.0	ug/L
16H2129	16H2129-04	08/25/2016 09:00	21514-08-2510-C	Science Rm 139 Faucet #2	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	870	50	ug/L
16H2129	16H2129-04	08/25/2016 09:00	21514-08-2510-C	Science Rm 139 Faucet #2	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	8.6	5.0	ug/L
16H2129	16H2129-05	08/25/2016 09:00	21514-08-2511-C	Science Rm 139 Faucet #3	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	480	50	ug/L
16H2129	16H2129-05	08/25/2016 09:00	21514-08-2511-C	Science Rm 139 Faucet #3	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-06	08/25/2016 09:00	21514-08-2512-C	Science Rm 139 Faucet #5	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	700	50	ug/L
16H2129	16H2129-06	08/25/2016 09:00	21514-08-2512-C	Science Rm 139 Faucet #5	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	11	5.0	ug/L
16H2129	16H2129-07	08/25/2016 09:00	21514-08-2513-C	Science Rm 139 Faucet #5	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	420	50	ug/L
16H2129	16H2129-07	08/25/2016 09:00	21514-08-2513-C	Science Rm 139 Faucet #5	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	13	5.0	ug/L
16H2129	16H2129-08	08/25/2016 09:00	21514-08-2514-C	Science Rm 139 Faucet #6	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	770	50	ug/L
16H2129	16H2129-08	08/25/2016 09:00	21514-08-2514-C	Science Rm 139 Faucet #6	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	6.4	5.0	ug/L
16H2129	16H2129-09	08/25/2016 09:00	21514-08-2515-C	Science Rm 139 Faucet #7	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	290	50	ug/L
16H2129	16H2129-09	08/25/2016 09:00	21514-08-2515-C	Science Rm 139 Faucet #7	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	8.4	5.0	ug/L
16H2129	16H2129-10	08/25/2016 09:00	21514-08-2516-C	Science Rm 139 Faucet #8	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	660	50	ug/L
16H2129	16H2129-10	08/25/2016 09:00	21514-08-2516-C	Science Rm 139 Faucet #8	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	16	5.0	ug/L
16H2129	16H2129-11	08/25/2016 09:00	21514-08-2517-C	Prep Room 139 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	520	50	ug/L
16H2129	16H2129-11	08/25/2016 09:00	21514-08-2517-C	Prep Room 139 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	5.1	5.0	ug/L
16H2129	16H2129-12	08/25/2016 09:00	21514-08-2518-C	Science Room 138 Faucet #1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	4400	10	ug/L
16H2129	16H2129-12	08/25/2016 09:00	21514-08-2518-C	Science Room 138 Faucet #1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	58	5.0	ug/L
16H2129	16H2129-13	08/25/2016 09:00	21514-08-2519-C	Science Room 138 Faucet #2	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	800	50	ug/L
16H2129	16H2129-13	08/25/2016 09:00	21514-08-2519-C	Science Room 138 Faucet #2	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	12	5.0	ug/L
16H2129	16H2129-14	08/25/2016 09:00	21514-08-2520-C	Science Room 138 Faucet #3	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	10000	10	ug/L
16H2129	16H2129-14	08/25/2016 09:00	21514-08-2520-C	Science Room 138 Faucet #3	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	1600	5.0	ug/L
16H2129	16H2129-15	08/25/2016 09:00	21514-08-2521-C	Science Room 138 Faucet #4	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	760	50	ug/L
16H2129	16H2129-15	08/25/2016 09:00	21514-08-2521-C	Science Room 138 Faucet #4	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	11	5.0	ug/L
16H2129	16H2129-16	08/25/2016 09:00	21514-08-2522-C	Science Room 138 Faucet #5	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	1100	50	ug/L
16H2129	16H2129-16	08/25/2016 09:00	21514-08-2522-C	Science Room 138 Faucet #5	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	6.3	5.0	ug/L
16H2129	16H2129-17	08/25/2016 09:00	21514-08-2523-C	Science Room 138 Faucet #6	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	540	50	ug/L
16H2129	16H2129-17	08/25/2016 09:00	21514-08-2523-C	Science Room 138 Faucet #6	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	7.1	5.0	ug/L
16H2129	16H2129-18	08/25/2016 09:00	21514-08-2524-C	Science Room 138 Faucet #7	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	700	50	ug/L
16H2129	16H2129-18	08/25/2016 09:00	21514-08-2524-C	Science Room 138 Faucet #7	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	11	5.0	ug/L
16H2129	16H2129-19	08/25/2016 09:00	21514-08-2525-C	Prep Room 138 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	700	50	ug/L
16H2129	16H2129-19	08/25/2016 09:00	21514-08-2525-C	Prep Room 138 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	6.6	5.0	ug/L
16H2129	16H2129-20	08/25/2016 09:00	21514-08-2526-C	Science Room 136 Faucet #1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	430	10	ug/L
16H2129	16H2129-20	08/25/2016 09:00	21514-08-2526-C	Science Room 136 Faucet #1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	170	5.0	ug/L
16H2129	16H2129-21	08/25/2016 09:00	21514-08-2527-C	Science Room 136 Faucet #2	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	510	50	ug/L
16H2129	16H2129-21	08/25/2016 09:00	21514-08-2527-C	Science Room 136 Faucet #2	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	11	5.0	ug/L
16H2129	16H2129-22	08/25/2016 09:00	21514-08-2528-C	Science Room 136 Faucet #3	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	350	50	ug/L
16H2129	16H2129-22	08/25/2016 09:00	21514-08-2528-C	Science Room 136 Faucet #3	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	11	5.0	ug/L
16H2129	16H2129-23	08/25/2016 09:00	21514-08-2529-C	Science Room 136 Faucet #4	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	470	50	ug/L
16H2129	16H2129-23	08/25/2016 09:00	21514-08-2529-C	Science Room 136 Faucet #4	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	9.6	5.0	ug/L
16H2129	16H2129-24	08/25/2016 09:00	21514-08-2530-C	Science Room 136 Faucet #5	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	810	50	ug/L
16H2129	16H2129-24	08/25/2016 09:00	21514-08-2530-C	Science Room 136 Faucet #5	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	10	5.0	ug/L

DWB-Bubbler,WC-Water Cooler, CF-Classroom Faucet, KC-kitchen cold, KH-kitchen hot, EC-home ec cold, EH-Home ec hot, BF-Bathroom , ns-nurse, SC-service connector

TABLE OF LABORATORY RESULTS LOCATIONS: GLENCOE CENTRAL SCHOOL

16H2129	16H2129-25	08/25/2016 09:00	21514-08-2531-C	Science Room 136 Faucet #6	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	410	50	ug/L
16H2129	16H2129-25	08/25/2016 09:00	21514-08-2531-C	Science Room 136 Faucet #6	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	11	5.0	ug/L
16H2129	16H2129-26	08/25/2016 09:00	21514-08-2532-C	Science Room 136 Faucet #7	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	540	50	ug/L
16H2129	16H2129-26	08/25/2016 09:00	21514-08-2532-C	Science Room 136 Faucet #7	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	13	5.0	ug/L
16H2129	16H2129-27	08/25/2016 09:00	21514-08-2533-C	Science Room 136 Faucet #8	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	630	50	ug/L
16H2129	16H2129-27	08/25/2016 09:00	21514-08-2533-C	Science Room 136 Faucet #8	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	14	5.0	ug/L
16H2129	16H2129-28	08/25/2016 09:00	21514-08-2534-C	Room 127 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	230	50	ug/L
16H2129	16H2129-28	08/25/2016 09:00	21514-08-2534-C	Room 127 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	5.5	5.0	ug/L
16H2129	16H2129-29	08/25/2016 09:00	21514-08-2535-C	Room 128 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	470	50	ug/L
16H2129	16H2129-29	08/25/2016 09:00	21514-08-2535-C	Room 128 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	6.2	5.0	ug/L
16H2129	16H2129-30	08/25/2016 09:00	21514-08-2536-C	Room 126 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	310	50	ug/L
16H2129	16H2129-30	08/25/2016 09:00	21514-08-2536-C	Room 126 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-31	08/25/2016 09:00	21514-08-2537-C	Room 125 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	310	50	ug/L
16H2129	16H2129-31	08/25/2016 09:00	21514-08-2537-C	Room 125 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-32	08/25/2016 09:00	21514-08-2538-C	Room 124 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	400	50	ug/L
16H2129	16H2129-32	08/25/2016 09:00	21514-08-2538-C	Room 124 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-33	08/25/2016 09:00	21514-08-2539-C	Room 123 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	240	50	ug/L
16H2129	16H2129-33	08/25/2016 09:00	21514-08-2539-C	Room 123 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-34	08/25/2016 09:00	21514-08-2540-C	Room 121 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	370	50	ug/L
16H2129	16H2129-34	08/25/2016 09:00	21514-08-2540-C	Room 121 Faucet	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-35	08/25/2016 09:00	21514-08-2541-C	Hallway Bubbler 108-104	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	160	50	ug/L
16H2129	16H2129-35	08/25/2016 09:00	21514-08-2541-C	Hallway Bubbler 108-104	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-36	08/25/2016 09:00	21514-08-2542-C	Room 214 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	410	50	ug/L
16H2129	16H2129-36	08/25/2016 09:00	21514-08-2542-C	Room 214 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	12	5.0	ug/L
16H2129	16H2129-37	08/25/2016 09:00	21514-08-2543-C	Room 212 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	320	50	ug/L
16H2129	16H2129-37	08/25/2016 09:00	21514-08-2543-C	Room 212 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-38	08/25/2016 09:00	21514-08-2544-C	Room 210 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	600	50	ug/L
16H2129	16H2129-38	08/25/2016 09:00	21514-08-2544-C	Room 210 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	15	5.0	ug/L
16H2129	16H2129-39	08/25/2016 09:00	21514-08-2545-C	Room 204 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	400	50	ug/L
16H2129	16H2129-39	08/25/2016 09:00	21514-08-2545-C	Room 204 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-40	08/25/2016 09:00	21514-08-2546-C	Room 202 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	370	50	ug/L
16H2129	16H2129-40	08/25/2016 09:00	21514-08-2546-C	Room 202 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-41	08/25/2016 09:00	21514-08-2547-C	Room 200 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	600	50	ug/L
16H2129	16H2129-41	08/25/2016 09:00	21514-08-2547-C	Room 200 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-42	08/25/2016 09:00	21514-08-2548-C	Room L04 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	290	50	ug/L
16H2129	16H2129-42	08/25/2016 09:00	21514-08-2548-C	Room L04 Bathroom	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2129	16H2129-43	08/25/2016 09:00	21514-08-2572-C	Conference Room Sink 131A	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	180	50	ug/L
16H2129	16H2129-43	08/25/2016 09:00	21514-08-2572-C	Conference Room Sink 131A	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L

DWB-Bubbler,WC-Water Cooler, CF-Classroom Faucet, KC-kitchen cold, KH-kitchen hot, EC-home ec cold, EH-Home ec hot, BF-Bathroom , ns-nurse, SC-service connector

***JMS Environmental Associates, Ltd.***

SOUTH SCHOOL

TABLE OF LABORATORY RESULTS LOCATIONS: GLENCOE SOUTH SCHOOL

WO	Sample ID	Sampled On	Client ID	Description	Test Description	Method	Analyte	Results	RLimit	Units
16H2124	16H2124-01	08/25/2016 09:00	21514-08-2501-s	Basement Mechanical SC-P-B	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	230	50	ug/L
16H2124	16H2124-01	08/25/2016 09:00	21514-08-2501-s	Basement Mechanical SC-P-B	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2124	16H2124-02	08/25/2016 09:00	21514-08-2502-s	Basement Mechanical SC-F-B	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	200	50	ug/L
16H2124	16H2124-02	08/25/2016 09:00	21514-08-2502-s	Basement Mechanical SC-F-B	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2124	16H2124-03	08/25/2016 09:00	21514-08-2503-s	Room 114C new Music CF-P-1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	920	50	ug/L
16H2124	16H2124-03	08/25/2016 09:00	21514-08-2503-s	Room 114C new Music CF-P-1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2124	16H2124-04	08/25/2016 09:00	21514-08-2504-s	Kitchen New RT KC-P-1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	370	50	ug/L
16H2124	16H2124-04	08/25/2016 09:00	21514-08-2504-s	Kitchen New RT KC-P-1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2124	16H2124-05	08/25/2016 09:00	21514-08-2505-s	Kitchen New LT KC-P-1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	190	50	ug/L
16H2124	16H2124-05	08/25/2016 09:00	21514-08-2505-s	Kitchen New LT KC-P-1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2124	16H2124-06	08/25/2016 09:00	21514-08-2506-s	Teachers Lounge KC-P-1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	210	50	ug/L
16H2124	16H2124-06	08/25/2016 09:00	21514-08-2506-s	Teachers Lounge KC-P-1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2124	16H2124-07	08/25/2016 09:00	21514-08-2570-s	Room 160 CF-P-1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	600	50	ug/L
16H2124	16H2124-07	08/25/2016 09:00	21514-08-2570-s	Room 160 CF-P-1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2124	16H2124-08	08/25/2016 09:00	21514-08-2571-s	LRC(library) CF-P-1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	370	50	ug/L
16H2124	16H2124-08	08/25/2016 09:00	21514-08-2571-s	LRC(library) CF-P-1	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L

DWB-Bubbler,WC-Water Cooler, CF-Classroom Faucet, KC-kitchen cold, KH-kitchen hot, EC-home ec cold, EH-Home ec hot, BF-Bathroom , ns-nurse, SC-service connector

***JMS Environmental Associates, Ltd.***

WEST SCHOOL

TABLE OF LABORATORY RESULTS LOCATIONS: GLENCOE WEST SCHOOL

WO	Sample ID	Sampled On	Client ID	Description	Test Description	Method	Analyte	Results	RLimit	Units
16H2123	16H2123-01	08/25/2016 11:00	21514-08-2548-W	Mechanical Rm Sink 1st Draw	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	66	50	ug/L
16H2123	16H2123-01	08/25/2016 11:00	21514-08-2548-W	Mechanical Rm Sink 1st Draw	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-02	08/25/2016 09:00	21514-08-2549-W	Mechanical Rm Sink (30 sec)	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	ND	50	ug/L
16H2123	16H2123-02	08/25/2016 09:00	21514-08-2549-W	Mechanical Rm Sink (30 sec)	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-03	08/25/2016 09:00	21514-08-2550-W	Inop Teachers Lounge Slop Sink-P-	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	89	50	ug/L
16H2123	16H2123-03	08/25/2016 09:00	21514-08-2550-W	Inop Teachers Lounge Slop Sink-P-	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-04	08/25/2016 09:00	21514-08-2551-W	Inop Teachers Lounge Bath Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	100	50	ug/L
16H2123	16H2123-04	08/25/2016 09:00	21514-08-2551-W	Inop Teachers Lounge Bath Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-05	08/25/2016 09:00	21514-08-2552-W	L03 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	1200	10	ug/L
16H2123	16H2123-05	08/25/2016 09:00	21514-08-2552-W	L03 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	110	5.0	ug/L
16H2123	16H2123-06	08/25/2016 09:00	21514-08-2553-W	Lo1 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	63	50	ug/L
16H2123	16H2123-06	08/25/2016 09:00	21514-08-2553-W	Lo1 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-07	08/25/2016 09:00	21514-08-2554-W	103 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	ND	50	ug/L
16H2123	16H2123-07	08/25/2016 09:00	21514-08-2554-W	103 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-08	08/25/2016 09:00	21514-08-2555-W	102 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	1000	50	ug/L
16H2123	16H2123-08	08/25/2016 09:00	21514-08-2555-W	102 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	63	5.0	ug/L
16H2123	16H2123-09	08/25/2016 09:00	21514-08-2556-W	Inop Nurse's 136A	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	130	50	ug/L
16H2123	16H2123-09	08/25/2016 09:00	21514-08-2556-W	Inop Nurse's 136A	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-10	08/25/2016 09:00	21514-08-2557-W	Boys Bathroom 109	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	140	50	ug/L
16H2123	16H2123-10	08/25/2016 09:00	21514-08-2557-W	Boys Bathroom 109	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-11	08/25/2016 09:00	21514-08-2558-W	Gym Bubbler/Inop(Nurse Bath Sink)	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	120	50	ug/L
16H2123	16H2123-11	08/25/2016 09:00	21514-08-2558-W	Gym Bubbler/Inop(Nurse Bath Sink)	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-12	08/25/2016 09:00	21514-08-2559-W	Room 132 (Toilet Room)	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	ND	50	ug/L
16H2123	16H2123-12	08/25/2016 09:00	21514-08-2559-W	Room 132 (Toilet Room)	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-13	08/25/2016 09:00	21514-08-2560-W	Sink 138	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	360	50	ug/L
16H2123	16H2123-13	08/25/2016 09:00	21514-08-2560-W	Sink 138	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-14	08/25/2016 09:00	21514-08-2561-W	140 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	270	50	ug/L
16H2123	16H2123-14	08/25/2016 09:00	21514-08-2561-W	140 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-15	08/25/2016 09:00	21514-08-2562-W	141 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	94	50	ug/L
16H2123	16H2123-15	08/25/2016 09:00	21514-08-2562-W	141 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-16	08/25/2016 09:00	21514-08-2563-W	141 Bath Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	ND	50	ug/L
16H2123	16H2123-16	08/25/2016 09:00	21514-08-2563-W	141 Bath Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-17	08/25/2016 09:00	21514-08-2564-W	142 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	50	50	ug/L
16H2123	16H2123-17	08/25/2016 09:00	21514-08-2564-W	142 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	6.2	5.0	ug/L
16H2123	16H2123-18	08/25/2016 09:00	21514-08-2565-W	144 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	130	50	ug/L
16H2123	16H2123-18	08/25/2016 09:00	21514-08-2565-Wk	144 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	7.5	5.0	ug/L
16H2123	16H2123-19	08/25/2016 09:00	21514-08-2566-W	143 Bath Sink Hot Water	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	620	50	ug/L
16H2123	16H2123-19	08/25/2016 09:00	21514-08-2566-Wr	143 Bath Sink Hot Water	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	27	5.0	ug/L
16H2123	16H2123-20	08/25/2016 09:00	21514-08-2567-W	143 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	ND	50	ug/L
16H2123	16H2123-20	08/25/2016 09:00	21514-08-2567-W	143 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-21	08/25/2016 09:00	21514-08-2568-W	146 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	87	50	ug/L
16H2123	16H2123-21	08/25/2016 09:00	21514-08-2568-W	146 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	ND	5.0	ug/L
16H2123	16H2123-22	08/25/2016 09:00	21514-08-2569-W	145 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Copper	62	50	ug/L
16H2123	16H2123-22	08/25/2016 09:00	21514-08-2569-W	145 Sink	Total Recoverable Metals by ICP/MS	EPA 200.8 Rev 5.4	Lead	5.6	5.0	ug/L

DWB-Bubbler,WC-Water Cooler, CF-Classroom Faucet, KC-kitchen cold, KH-kitchen hot, EC-home ec cold, EH-Home ec hot, BF-Bathroom , ns-nurse, SC-service connector