

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.

50 Century Hill Drive, Latham, NY 12110
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com



November 29, 2016

Mr. Clifford Nooney
Building and Grounds Supervisor
Guilderland Central School District
6076 State Farm Road
Guilderland, New York 12084

Re: *Lead in Water Sampling and Analysis*
Guilderland High School, Guilderland CSD, Guilderland Center, NY

Dear Mr. Nooney:

C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture, D.P.C. (C.T. Male) has performed lead sample collection of water sources in the Guilderland High School building located at 8 School Road, Guilderland Center, NY. The water sampling was performed per the September 6, 2016 NYSDOH School Potable Water Testing and Standards.

Listed below are the analysis results for the lead in water sampling performed. Approximately three hundred eighteen (318) samples were collected from this building. The "first draw" water samples were collected in 250 ml bottles from the sources (i.e., sink, fountain, etc.) most likely to be a point of water consumption. Analysis was performed using EPA Method 200.5 Determination of Trace Elements in Drinking Water (Atomic Absorption Spectrometry). The NYSDOH *goal* is to have zero lead in drinking water, however as the lead in water often comes from plumbing sources, the limit for lead in schools is to have no more than 15.1ppb of lead in any of the water from sampled sources. Results greater than 15.1ppb will require remediation prior to reuse. The laboratory analytical results are attached.

LEAD BULK SAMPLE ANALYSIS RESULTS

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
East Side			
GCSD - GHS - 01	Classroom 102	Sink	20.9
GCSD - GHS - 02	Classroom 104	Sink	2.5
GCSD - GHS - 03	Girl's Locker Room East	Sink (M)	302

*Lead content at or above the NYSDOH level of 15 parts per billion.



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LEAD BULK SAMPLE ANALYSIS RESULTS (cont.)

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 04	Girl's Locker Room East	Fountain	30.2
GCSD - GHS - 05	Girl's Phys. Ed. Office Bathroom	Sink	51.4
GCSD - GHS - 06	Bathroom 138	Sink (L)	9.1
GCSD - GHS - 07	Bathroom 138	Sink (M)	8.3
GCSD - GHS - 08	Bathroom 138	Sink (R)	11.4
GCSD - GHS - 09	Bathroom 136	Sink (R)	10.3
GCSD - GHS - 10	Bathroom 136	Sink (M)	11.1
GCSD - GHS - 11	Corridor by East Gym	Fountain	1.5
GCSD - GHS - 12	Corridor by East Gym	Bottle Filler	<1.0
GCSD - GHS - 13	Boy's East Phys. Ed. Office	Sink	30.6
GCSD - GHS - 14	Boy's East Locker Room	Sink (R)	25.1
GCSD - GHS - 15	Boy's East Locker Room	Sink (M)	28.1
GCSD - GHS - 16	Boy's East Locker Room	Sink (L)	31.5
GCSD - GHS - 17	Bathroom 209	Sink (R)	27.3
GCSD - GHS - 18	Bathroom 211	Sink (R)	14.8
GCSD - GHS - 19	Science Room 301 Island	Sink (1L)	183
GCSD - GHS - 20	Science Room 301 Island	Sink (1R)	89.6
GCSD - GHS - 21	Science Room 301 Island	Sink (2L)	243
GCSD - GHS - 22	Science Room 301 Island	Sink (2R)	145
GCSD - GHS - 23	Science Room 301 Island	Sink (3L)	274
GCSD - GHS - 24	Science Room 301 Island	Sink (3R)	309
GCSD - GHS - 25	Science Room 301 Island	Sink (4L)	167
GCSD - GHS - 26	Science Room 301 Island	Sink (4R)	324
GCSD - GHS - 27	Science Room 301 Wall	Sink (L)	87.6
GCSD - GHS - 28	Science Room 301 Wall	Sink (R)	114
GCSD - GHS - 29	Corridor by Classroom 302	Fountain	45.1
GCSD - GHS - 30	Science Room 302 Island	Sink (1L)	144
GCSD - GHS - 31	Science Room 302 Island	Sink (1R)	95.0
GCSD - GHS - 32	Science Room 302 Island	Sink (2R)	84.8
GCSD - GHS - 33	Science Room 302 Island	Sink (3L)	94.7
GCSD - GHS - 34	Science Room 302 Island	Sink (3R)	135
GCSD - GHS - 35	Science Room 302 Island	Sink (4L)	107
GCSD - GHS - 36	Science Room 302 Island	Sink (4R)	58.9
GCSD - GHS - 37	Science Room 302 Wall	Sink (L)	101
GCSD - GHS - 38	Science Room 302 Wall	Sink (R)	87.5
GCSD - GHS - 39	Science Room 304	Sink	7.2
GCSD - GHS - 40	Science Room 306	Sink	5.1

*Lead content at or above the NYSDOH level of 15 parts per billion.

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LEAD BULK SAMPLE ANALYSIS RESULTS (cont.)

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 41	Faculty Room 307	Sink	5.1
GCSD - GHS - 42	Bathroom 312	Sink	3.2
GCSD - GHS - 43	Classroom 410	Sink	5.7
GCSD - GHS - 44	Classroom 403	Sink	23.9
GCSD - GHS - 45	Science Room 401 Back Wall	Sink (L)	51.4
GCSD - GHS - 46	Science Room 401 Back Wall	Sink (M)	94.3
GCSD - GHS - 47	Science Room 401 Back Wall	Sink (R)	63.2
GCSD - GHS - 48	Science Room 401 Island	Sink	34.3
GCSD - GHS - 49	Science Room 401 Front Wall	Sink (R)	209
GCSD - GHS - 50	Science Room 401 Front Wall	Sink (M)	291
GCSD - GHS - 51	Science Room 401 Front Wall	Sink (L)	247
GCSD - GHS - 52	Science Prep Room 401	Sink	47.1
GCSD - GHS - 53	Science Room 407 Island 1	Sink (L)	27.2
GCSD - GHS - 54	Science Room 407 Island 1	Sink (ML)	16.2
GCSD - GHS - 55	Science Room 407 Island 1	Sink (MR)	12.2
GCSD - GHS - 56	Science Room 407 Island 1	Sink (R)	8.9
GCSD - GHS - 57	Science Room 407 Island 1	Sink (Side)	8.7
GCSD - GHS - 58	Science Room 407 Island 2	Sink (ML)	18.8
GCSD - GHS - 59	Science Room 407 Island 2	Sink (MR)	20.6
GCSD - GHS - 60	Science Room 407 Island 2	Sink (R)	16.2
GCSD - GHS - 61	Science Room 407 Island 2	Sink (Side)	2.7
GCSD - GHS - 62	Science Room 407 Island 3	Sink (L)	7.1
GCSD - GHS - 63	Science Room 407 Island 3	Sink (ML)	5.5
GCSD - GHS - 64	Science Room 407 Island 3	Sink (MR)	6.2
GCSD - GHS - 65	Science Room 407 Island 3	Sink (R)	27.6
GCSD - GHS - 66	Science Room 407 Island 3	Sink (Side)	2.3
GCSD - GHS - 67	Science Room 408 Wall	Sink (L)	4.8
GCSD - GHS - 68	Science Room 408 Wall	Sink (ML)	4.9
GCSD - GHS - 69	Science Room 408 Wall	Sink (MR)	4.2
GCSD - GHS - 70	Science Room 408 Wall	Sink (R)	4.1
GCSD - GHS - 71	Science Room 408 Island 1	Sink (R)	15.2
GCSD - GHS - 72	Science Room 408 Island 1	Sink (L)	15.0
GCSD - GHS - 73	Science Room 408 Island 2	Sink (R)	68.1
GCSD - GHS - 74	Science Room 408 Island 2	Sink (L)	15.5
GCSD - GHS - 75	Science Room 408 Island 3	Sink (R)	8.4
GCSD - GHS - 76	Science Room 408 Island 3	Sink (L)	30.2
GCSD - GHS - 77	Science Room 408 Island 4	Sink (R)	113

*Lead content at or above the NYSDOH level of 15 parts per billion

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LEAD BULK SAMPLE ANALYSIS RESULTS (cont.)

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 78	Science Room 408 Island 4	Sink (L)	10.0
GCSD - GHS - 79	Science Room 405	Sink	102
GCSD - GHS - 80	Science Room 406	Sink (R)	41.3
GCSD - GHS - 81	Science Room 404	Sink	84.8
GCSD - GHS - 82	Science Room 402 Island 1	Sink (R)	86.6
GCSD - GHS - 83	Science Room 402 Island 2	Sink (R)	90.4
GCSD - GHS - 84	Science Room 402 Island 2	Sink (L)	101
GCSD - GHS - 85	Science Room 402 Island 3	Sink (R)	97.9
GCSD - GHS - 86	Science Room 402 Island 3	Sink (L)	71.5
GCSD - GHS - 87	Science Room 402 Island 4	Sink (R)	107
GCSD - GHS - 88	Science Room 402 Island 4	Sink (L)	149
GCSD - GHS - 89	Science Room 402 Island 5	Sink (R)	90.2
GCSD - GHS - 90	Science Room 402 Island 5	Sink (L)	68.1
GCSD - GHS - 91	Science Room 402 Island 6	Sink (R)	160
GCSD - GHS - 92	Science Room 402 Island 6	Sink (L)	139
GCSD - GHS - 93	Science Room 402 Wall	Sink (L)	165
GCSD - GHS - 94	Science Room 402 Wall	Sink (R)	69.3
GCSD - GHS - 95	Bathroom 413	Sink (R)	6.3
GCSD - GHS - 96	Bathroom 413	Sink (M)	7.8
GCSD - GHS - 97	Bathroom 413	Sink (L)	80.4
GCSD - GHS - 98	Bathroom 411	Sink (L)	12.3
GCSD - GHS - 99	Bathroom 411	Sink (M)	4.7
GCSD - GHS - 100	Bathroom 411	Sink (R)	13.4
GCSD - GHS - 101	Bathroom 016	Sink	6.5
GCSD - GHS - 102	Science Room 2 Wall	Sink (L)	84.0
GCSD - GHS - 103	Science Room 2 Wall	Sink (R)	124
GCSD - GHS - 104	Science Room 2 Island 1	Sink (L)	38.3
GCSD - GHS - 105	Science Room 2 Island 1	Sink (R)	27.2
GCSD - GHS - 106	Science Room 2 Island 2	Sink (L)	76.7
GCSD - GHS - 107	Science Room 2 Island 2	Sink (R)	153
GCSD - GHS - 108	Science Room 2 Island 3	Sink (L)	49.1
GCSD - GHS - 109	Science Room 2 Island 3	Sink (R)	62.5
GCSD - GHS - 110	Science Room 2 Island 4	Sink (L)	78.9
GCSD - GHS - 111	Science Room 2 Island 4	Sink (R)	61.3
GCSD - GHS - 112	Science Room 4 Island 1	Sink (L)	18.4
GCSD - GHS - 113	Science Room 4 Island 1	Sink (R)	94.9
GCSD - GHS - 114	Science Room 4 Island 2	Sink (L)	111
GCSD - GHS - 115	Science Room 4 Island 3	Sink (L)	31.6

*Lead content at or above the NYSDOH level of 15 parts per billion

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LEAD BULK SAMPLE ANALYSIS RESULTS (cont.)

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 116	Science Room 4 Island 3	Sink (R)	29.9
GCSD - GHS - 117	Science Room 4 Island 4	Sink (L)	48.1
GCSD - GHS - 118	Science Room 4 Island 4	Sink (R)	41.2
GCSD - GHS - 119	Science Room 4 Wall	Sink (L)	6.9
GCSD - GHS - 120	Science Room 4 Wall	Sink (R)	14.9
GCSD - GHS - 121	Science Room 2 Wall	Sink (L)	73.7
GCSD - GHS - 122	Science Room 2 Wall	Sink (R)	87.8
GCSD - GHS - 123	Science Room 2 Island 1	Sink (R)	113
GCSD - GHS - 124	Science Room 2 Island 2	Sink (L)	38.2
GCSD - GHS - 125	Science Room 2 Island 2	Sink (R)	99.0
GCSD - GHS - 126	Science Room 2 Island 3	Sink (L)	70.8
GCSD - GHS - 127	Science Room 2 Island 3	Sink (R)	80.2
GCSD - GHS - 128	Science Room 2 Island 4	Sink (L)	133
GCSD - GHS - 129	Science Room 2 Island 4	Sink (R)	174
GCSD - GHS - 130	Science Room 8 Wall	Sink (L)	76.1
GCSD - GHS - 131	Science Room 8 Island 1	Sink (L)	81.4
GCSD - GHS - 132	Science Room 8 Island 1	Sink (R)	94.4
GCSD - GHS - 133	Science Room 8 Island 2	Sink (L)	54.0
GCSD - GHS - 134	Science Room 8 Island 2	Sink (R)	68.9
GCSD - GHS - 135	Science Room 8 Wall	Sink (R)	80.2
GCSD - GHS - 136	Science Room 8 Island 3	Sink (L)	109
GCSD - GHS - 137	Science Room 8 Island 3	Sink (R)	86.7
GCSD - GHS - 138	Science Room 8 Island 4	Sink (L)	101
GCSD - GHS - 139	Science Room 8 Island 4	Sink (R)	81.3
GCSD - GHS - 140	Science Room 10 Island 1	Sink (L)	239
GCSD - GHS - 141	Science Room 10 Island 1	Sink (R)	271
GCSD - GHS - 142	Science Room 10 Island 2	Sink (L)	91.8
GCSD - GHS - 143	Science Room 10 Island 2	Sink (R)	68.0
GCSD - GHS - 144	Science Room 10 Wall	Sink (R)	50.5
GCSD - GHS - 145	Science Room 10 Island 3	Sink (L)	225
GCSD - GHS - 146	Science Room 10 Island 3	Sink (R)	196
GCSD - GHS - 147	Science Room 10 Island 4	Sink (L)	166
GCSD - GHS - 148	Science Room 10 Island 4	Sink (R)	203
GCSD - GHS - 149	Science Room 10 Wall	Sink (L)	142
GCSD - GHS - 150	Science Room 12 Island 1	Sink (L)	129
GCSD - GHS - 151	Science Room 12 Island 1	Sink (R)	169
GCSD - GHS - 152	Science Room 12 Island 2	Sink (L)	169
GCSD - GHS - 153	Science Room 12 Island 2	Sink (R)	173

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LEAD BULK SAMPLE ANALYSIS RESULTS (cont.)

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 154	Science Room 12 Island 3	Sink (L)	72.1
GCSD - GHS - 155	Science Room 12 Island 3	Sink (R)	138
GCSD - GHS - 156	Science Room 12 Island 4	Sink (L)	178
GCSD - GHS - 157	Science Room 12 Island 4	Sink (R)	75.2
GCSD - GHS - 158	Science Room 12 Wall	Sink (L)	65.6
GCSD - GHS - 159	Science Room 12 Wall	Sink (R)	128
GCSD - GHS - 160	Science Room 14 Island 1	Sink (L)	203
GCSD - GHS - 161	Science Room 14 Island 1	Sink (R)	169
GCSD - GHS - 162	Science Room 14 Island 2	Sink (L)	223
GCSD - GHS - 163	Science Room 14 Island 3	Sink (L)	193
GCSD - GHS - 164	Science Room 14 Island 3	Sink (R)	168
GCSD - GHS - 165	Science Room 14 Island 4	Sink (L)	241
GCSD - GHS - 166	Science Room 14 Island 4	Sink (R)	213
GCSD - GHS - 167	Science Room 14 Wall	Sink (R)	96.9
GCSD - GHS - 168	Computer Lab 5	Sink	16.2
GCSD - GHS - 169	Technology Shop 3	Sink (L)	11.8
GCSD - GHS - 170	Technology Shop 3	Sink (R)	11.5
GCSD - GHS - 171	Technology Shop 1D	Sink (L)	15.3
GCSD - GHS - 172	Technology Shop 1D	Sink (M)	20.8
GCSD - GHS - 173	Technology Shop 1D	Sink (R)	17.2
GCSD - GHS - 174	Detention Room 17	Sink	29.6
GCSD - GHS - 175	East Gym - Girl's Lockers	Sink (L)	28.0
GCSD - GHS - 176	East Gym - Girl's Lockers	Sink (M)	16.9
GCSD - GHS - 177	East Gym - Girl's Lockers	Sink (R)	15.6
GCSD - GHS - 178	East Gym - Girl's Lockers	Fountain	30.3
GCSD - GHS - 179	Boy's Bathroom 136	Sink (L)	8.0
GCSD - GHS - 180	Men's Bathroom 311	Sink	17.2
GCSD - GHS - 181	Science Room 407 Island 2	Sink (L)	6.5
GCSD - GHS - 182	Science Room 406	Sink (L)	52.3
GCSD - GHS - 183	Science Room 14 Island 2	Sink (R)	232
GCSD - GHS - 184	Science Room 14 Wall	Sink (L)	60.9

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LEAD BULK SAMPLE ANALYSIS RESULTS (cont.)

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
West Side			
GCSD - GHS - 01	Classroom 21	Sink	2.2
GCSD - GHS - 02	Classroom 22	Sink	2.1
GCSD - GHS - 03	Art Room 24 Island 1	Sink (L)	4.7
GCSD - GHS - 04	Art Room 24 Island 1	Sink (R)	5.2
GCSD - GHS - 05	Art Room 24 Island 2	Sink (L)	5.0
GCSD - GHS - 06	Art Room 24 Island 2	Sink (R)	3.3
GCSD - GHS - 07	Art Room 25 Island 1	Sink (L)	5.1
GCSD - GHS - 08	Art Room 25 Island 1	Sink (R)	8.0
GCSD - GHS - 09	Art Room 25 Island 2	Sink (L)	5.5
GCSD - GHS - 10	Art Room 25 Island 2	Sink (R)	7.4
GCSD - GHS - 11	Art Room 22 Island 1	Sink (L)	3.3
GCSD - GHS - 12	Art Room 22 Island 1	Sink (R)	5.8
GCSD - GHS - 13	Art Room 22 Island 2	Sink (L)	3.4
GCSD - GHS - 14	Art Room 22 Island 2	Sink (R)	4.4
GCSD - GHS - 15	Art Room 22 Island 1	Sink (L)	12.0
GCSD - GHS - 16	Art Room 22 Island 1	Sink (R)	6.7
GCSD - GHS - 17	Art Room 22 Island 2	Sink (L)	6.5
GCSD - GHS - 18	Art Room 22 Island 2	Sink (R)	7.7
GCSD - GHS - 19	Boy's Bathroom By Rm. 25	Sink (L)	16.3
GCSD - GHS - 20	Boy's Bathroom By Rm. 25	Sink (M)	27.1
GCSD - GHS - 21	Boy's Bathroom By Rm. 25	Sink (R)	13.0
GCSD - GHS - 22	Girl's Bathroom By Rm. 25	Sink (L)	8.5
GCSD - GHS - 23	Girl's Bathroom By Rm. 25	Sink (M)	4.0
GCSD - GHS - 24	Girl's Bathroom By Rm. 25	Sink (R)	10.4
GCSD - GHS - 25	Nurses Suite - Main Area	Sink (L)	6.3
GCSD - GHS - 26	Nurses Suite - Bathroom	Sink	3.8
GCSD - GHS - 27	Nurses Suite - Break Room	Sink	2.7
GCSD - GHS - 28	Nurses Suite - Main Area	Sink (R)	1.3
GCSD - GHS - 29	Bathroom By Room 23	Sink	70.4
GCSD - GHS - 30	Bathroom By Room 22	Sink	56.2
GCSD - GHS - 31	Kitchen - Hand Sink	Sink	6.1
GCSD - GHS - 32	Kitchen - Dishwashing	Sink (L)	5.9
GCSD - GHS - 33	Kitchen - Dishwashing	Sink (M)	2.2
GCSD - GHS - 34	Kitchen - Dishwashing	Sink (R)	2.9
GCSD - GHS - 35	Kitchen - Prep Area	Sink (L)	9.4
GCSD - GHS - 36	Kitchen - Prep Area	Sink (R)	2.2
GCSD - GHS - 37	Kitchen - Bathroom	Sink	33.2

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LEAD BULK SAMPLE ANALYSIS RESULTS (cont.)

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 38	New Cafeteria - A	Sink	10.8
GCSD - GHS - 39	New Cafeteria - A	Fountain (L)	1.5
GCSD - GHS - 40	New Cafeteria - A	Fountain (R)	Void - Resample
GCSD - GHS - 41	Girl's Bathroom By Café A	Sink (L)	21.1
GCSD - GHS - 42	Girl's Bathroom By Café A	Sink (M)	2.1
GCSD - GHS - 43	Girl's Bathroom By Café A	Sink (R)	29.1
GCSD - GHS - 44	Boy's Bathroom By Café A	Sink (L)	2.6
GCSD - GHS - 45	Boy's Bathroom By Café A	Sink (M)	19.8
GCSD - GHS - 46	Boy's Bathroom By Café A	Sink (R)	Void - Resample
GCSD - GHS - 47	Small Cafeteria	Sink	38.2
GCSD - GHS - 48	Room 31 - Guidance	Sink	6.3
GCSD - GHS - 49	West Gym - Girl's Coach	Sink	30.1
GCSD - GHS - 50	West Girl's Locker Bathroom	Sink (L)	Void - Resample
GCSD - GHS - 51	West Girl's Locker Bathroom	Sink (M)	6.2
GCSD - GHS - 52	West Girl's Locker Bathroom	Sink (R)	4.3
GCSD - GHS - 53	West Gym - Corridor	Fountain	0.7
GCSD - GHS - 54	West Gym - Corridor	Bottle Fill	<0.5
GCSD - GHS - 55	Weight Room	Sink	2.6
GCSD - GHS - 56	Weight Room	Fountain	<0.5
GCSD - GHS - 57	Weight Room	Ice Machine	0.9
GCSD - GHS - 58	West Gym - Boy's Coach	Sink	25.4
GCSD - GHS - 59	West Boy's Locker Bathroom	Sink (L)	5.9
GCSD - GHS - 60	West Boy's Locker Bathroom	Sink (M)	Void - Resample
GCSD - GHS - 61	West Boy's Locker Bathroom	Sink (R)	5.0
GCSD - GHS - 62	Principal's Conference Rm.	Sink	4.7
GCSD - GHS - 63	Main Office Copy Room	Sink	0.8
GCSD - GHS - 64	Main Office Bathroom	Sink	18.2
GCSD - GHS - 65	West Boy's Locker Room	Fountain	<0.5
GCSD - GHS - 66	Boy's Bathroom - K3	Right Sink (L)	12.6
GCSD - GHS - 67	Boy's Bathroom - K3	Right Sink (R)	1.1
GCSD - GHS - 68	Boy's Bathroom - K3	Right Sink (M)	1.4
GCSD - GHS - 69	Boy's Bathroom - K3	Left Sink (L)	9.0
GCSD - GHS - 70	Boy's Bathroom - K3	Left Sink (R)	5.0
GCSD - GHS - 71	Boy's Bathroom - K3	Left Sink (M)	4.9
GCSD - GHS - 72	Girl's Bathroom - K2	Right Sink (L)	11.2
GCSD - GHS - 73	Girl's Bathroom - K2	Right Sink (M)	4.3
GCSD - GHS - 74	Girl's Bathroom - K2	Left Sink (L)	17.8
GCSD - GHS - 75	Girl's Bathroom - K2	Left Sink (R)	7.5

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LEAD BULK SAMPLE ANALYSIS RESULTS (cont.)

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 76	Girl's Bathroom - K2	Left Sink (M)	7.2
GCSD - GHS - 77	Faculty - Men's Bathroom	Sink	7.5
GCSD - GHS - 78	Faculty - Women's Bath	Sink	12.3
GCSD - GHS - 79	Faculty Room	Fountain	1.8
GCSD - GHS - 80	Corridor By 613	Fountain	<1.0
GCSD - GHS - 81	Asst. Principal's Bathroom	Sink	22.1
GCSD - GHS - 82	Girl's Bathroom - 38	Right Sink (L)	19.5
GCSD - GHS - 83	Girl's Bathroom - 38	Right Sink (M)	19.2
GCSD - GHS - 84	Girl's Bathroom - 38	Right Sink (R)	13.3
GCSD - GHS - 85	Bathroom - 44	Sink	15.5
GCSD - GHS - 86	Boy's Bathroom - 40	Left Sink (R)	13.8
GCSD - GHS - 87	Boy's Bathroom - 40	Left Sink (M)	19.8
GCSD - GHS - 88	Room 503C - Lounge	Sink	2.0
GCSD - GHS - 89	Room 503B - Women's	Sink	1.1
GCSD - GHS - 90	Room 503A - Women's	Sink	2.0
GCSD - GHS - 91	Room 503D - Men's	Sink	4.8
GCSD - GHS - 92	Room 503E - Kitchenette	Sink	20.2
GCSD - GHS - 93	Corridor By 500	Fountain	<1.0
GCSD - GHS - 94	Men's Bathroom by Lobby	Right Sink (L)	20.2
GCSD - GHS - 95	Men's Bathroom - K3	Right Sink (LM)	16.7
GCSD - GHS - 96	Men's Bathroom - K3	Right Sink (RM)	21.5
GCSD - GHS - 97	Men's Bathroom - K3	Right Sink (R)	16.8
GCSD - GHS - 98	Men's Bathroom - K3	Left Sink (L)	19.2
GCSD - GHS - 99	Men's Bathroom - K3	Left Sink (ML)	17.9
GCSD - GHS - 100	Men's Bathroom - K3	Left Sink (R)	18.9
GCSD - GHS - 101	Library - Bathroom	Sink	2.9
GCSD - GHS - 102	Corridor By Asst. Principal	Fountain	3.2
GCSD - GHS - 103	Boy's Bathroom - 609A	Left Sink (L)	2.8
GCSD - GHS - 104	Boy's Bathroom - 609A	Left Sink (R)	1.5
GCSD - GHS - 105	Boy's Bathroom - 609A	Left Sink (M)	2.0
GCSD - GHS - 106	Boy's Bathroom - 609A	Right Sink (L)	9.4
GCSD - GHS - 107	Boy's Bathroom - 609A	Right Sink (M)	5.2
GCSD - GHS - 108	Boy's Bathroom - 609A	Right Sink (R)	2.8
GCSD - GHS - 109	Girl's Bathroom - 611A	Right Sink (L)	20.0
GCSD - GHS - 110	Girl's Bathroom - 611A	Right Sink (M)	4.2
GCSD - GHS - 111	Girl's Bathroom - 611A	Right Sink (R)	7.1
GCSD - GHS - 112	Girl's Bathroom - 611A	Left Sink (L)	30.3
GCSD - GHS - 113	Girl's Bathroom - 611A	Left Sink (M)	12.7

*Lead content at or above the NYSDOH level of 15 parts per billion

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LEAD BULK SAMPLE ANALYSIS RESULTS (cont.)

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 114	Girl's Bathroom - 611A	Left Sink (R)	30.6
GCSD - GHS - 115	Girl's Bathroom - 38	Right Sink (L)	8.3
GCSD - GHS - 116	Girl's Bathroom - 38	Right Sink (M)	9.6
GCSD - GHS - 117	Girl's Bathroom - 38	Right Sink (R)	7.0
GCSD - GHS - 118	Bathroom A-17	Right Sink (MR)	34.0
GCSD - GHS - 119	Girl's Bathroom - K2	Right Sink (R)	2.7
GCSD - GHS - 119A	2 nd - Bathroom By 704A	Sink	2.1
GCSD - GHS - 120	2 nd - Corridor By 711	Fountain	1.2
GCSD - GHS - 121	2 nd - Focus Room 709	Sink	6.1
GCSD - GHS - 122	2 nd - Corridor By 723	Fountain	20.2
GCSD - GHS - 123	2 nd - Girl's Bathroom - 717A	Right Sink (L)	5.6
GCSD - GHS - 124	2 nd - Girl's Bathroom - 717A	Right Sink (M)	2.7
GCSD - GHS - 125	2 nd - Girl's Bathroom - 717A	Right Sink (R)	2.1
GCSD - GHS - 126	2 nd - Girl's Bathroom - 717A	Left Sink (L)	15.6
GCSD - GHS - 127	2 nd - Girl's Bathroom - 717A	Left Sink (M)	14.3
GCSD - GHS - 128	2 nd - Girl's Bathroom - 717A	Left Sink (R)	13.6
GCSD - GHS - 129	2 nd - Boy's Bathroom - 715A	Left Sink (L)	8.0
GCSD - GHS - 130	2 nd - Boy's Bathroom - 715A	Left Sink (M)	3.0
GCSD - GHS - 131	2 nd - Boy's Bathroom - 715A	Left Sink (R)	1.8
GCSD - GHS - 132	2 nd - Boy's Bathroom - 715A	Right Sink (L)	11.3
GCSD - GHS - 133	2 nd - Boy's Bathroom - 715A	Right Sink (M)	10.1
GCSD - GHS - 134	2 nd - Boy's Bathroom - 715A	Right Sink (R)	4.0

*Lead content at or above the NYSDOH level of 15 parts per billion

CONCLUSIONS AND RECOMMENDATIONS

The lead in water analysis results from the following locations and sources exceed the 15.1ppb (15.1ug/l) NYSDOH action limit for lead in the drinking water.

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
East Side			
GCSD - GHS - 01	Classroom 102	Sink	20.9
GCSD - GHS - 03	Girl's Locker Room East	Sink (M)	302
GCSD - GHS - 04	Girl's Locker Room East	Fountain	30.2
GCSD - GHS - 05	Girl's Phys. Ed. Office Bathroom	Sink	51.4
GCSD - GHS - 13	Boy's East Phys. Ed. Office	Sink	30.6
GCSD - GHS - 14	Boy's East Locker Room	Sink (R)	25.1
GCSD - GHS - 15	Boy's East Locker Room	Sink (M)	28.1
GCSD - GHS - 16	Boy's East Locker Room	Sink (L)	31.5

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<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 17	Bathroom 209	Sink (R)	27.3
GCSD - GHS - 19	Science Room 301 Island	Sink (1L)	183
GCSD - GHS - 20	Science Room 301 Island	Sink (1R)	89.6
GCSD - GHS - 21	Science Room 301 Island	Sink (2L)	243
GCSD - GHS - 22	Science Room 301 Island	Sink (2R)	145
GCSD - GHS - 23	Science Room 301 Island	Sink (3L)	274
GCSD - GHS - 24	Science Room 301 Island	Sink (3R)	309
GCSD - GHS - 25	Science Room 301 Island	Sink (4L)	167
GCSD - GHS - 26	Science Room 301 Island	Sink (4R)	324
GCSD - GHS - 27	Science Room 301 Wall	Sink (L)	87.6
GCSD - GHS - 28	Science Room 301 Wall	Sink (R)	114
GCSD - GHS - 29	Corridor by Classroom 302	Fountain	45.1
GCSD - GHS - 30	Science Room 302 Island	Sink (1L)	144
GCSD - GHS - 31	Science Room 302 Island	Sink (1R)	95.0
GCSD - GHS - 32	Science Room 302 Island	Sink (2R)	84.8
GCSD - GHS - 33	Science Room 302 Island	Sink (3L)	94.7
GCSD - GHS - 34	Science Room 302 Island	Sink (3R)	135
GCSD - GHS - 35	Science Room 302 Island	Sink (4L)	107
GCSD - GHS - 36	Science Room 302 Island	Sink (4R)	58.9
GCSD - GHS - 37	Science Room 302 Wall	Sink (L)	101
GCSD - GHS - 38	Science Room 302 Wall	Sink (R)	87.5
GCSD - GHS - 44	Classroom 403	Sink	23.9
GCSD - GHS - 45	Science Room 401 Back Wall	Sink (L)	51.4
GCSD - GHS - 46	Science Room 401 Back Wall	Sink (M)	94.3
GCSD - GHS - 47	Science Room 401 Back Wall	Sink (R)	63.2
GCSD - GHS - 48	Science Room 401 Island	Sink	34.3
GCSD - GHS - 49	Science Room 401 Front Wall	Sink (R)	209
GCSD - GHS - 50	Science Room 401 Front Wall	Sink (M)	291
GCSD - GHS - 51	Science Room 401 Front Wall	Sink (L)	247
GCSD - GHS - 52	Science Prep Room 401	Sink	47.1
GCSD - GHS - 53	Science Room 407 Island 1	Sink (L)	27.2
GCSD - GHS - 54	Science Room 407 Island 1	Sink (ML)	16.2
GCSD - GHS - 55	Science Room 407 Island 1	Sink (MR)	12.2
GCSD - GHS - 58	Science Room 407 Island 2	Sink (ML)	18.8
GCSD - GHS - 59	Science Room 407 Island 2	Sink (MR)	20.6
GCSD - GHS - 60	Science Room 407 Island 2	Sink (R)	16.2
GCSD - GHS - 65	Science Room 407 Island 3	Sink (R)	27.6
GCSD - GHS - 71	Science Room 408 Island 1	Sink (R)	15.2
GCSD - GHS - 73	Science Room 408 Island 2	Sink (R)	68.1
GCSD - GHS - 74	Science Room 408 Island 2	Sink (L)	15.5

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<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 76	Science Room 408 Island 3	Sink (L)	30.2
GCSD - GHS - 77	Science Room 408 Island 4	Sink (R)	113
GCSD - GHS - 79	Science Room 405	Sink	102
GCSD - GHS - 80	Science Room 406	Sink (R)	41.3
GCSD - GHS - 81	Science Room 404	Sink	84.8
GCSD - GHS - 82	Science Room 402 Island 1	Sink (R)	86.6
GCSD - GHS - 83	Science Room 402 Island 2	Sink (R)	90.4
GCSD - GHS - 84	Science Room 402 Island 2	Sink (L)	101
GCSD - GHS - 85	Science Room 402 Island 3	Sink (R)	97.9
GCSD - GHS - 86	Science Room 402 Island 3	Sink (L)	71.5
GCSD - GHS - 87	Science Room 402 Island 4	Sink (R)	107
GCSD - GHS - 88	Science Room 402 Island 4	Sink (L)	149
GCSD - GHS - 89	Science Room 402 Island 5	Sink (R)	90.2
GCSD - GHS - 90	Science Room 402 Island 5	Sink (L)	68.1
GCSD - GHS - 91	Science Room 402 Island 6	Sink (R)	160
GCSD - GHS - 92	Science Room 402 Island 6	Sink (L)	139
GCSD - GHS - 93	Science Room 402 Wall	Sink (L)	165
GCSD - GHS - 94	Science Room 402 Wall	Sink (R)	69.3
GCSD - GHS - 97	Bathroom 413	Sink (L)	80.4
GCSD - GHS - 98	Bathroom 411	Sink (L)	12.3
GCSD - GHS - 100	Bathroom 411	Sink (R)	13.4
GCSD - GHS - 102	Science Room 2 Wall	Sink (L)	84.0
GCSD - GHS - 103	Science Room 2 Wall	Sink (R)	124
GCSD - GHS - 104	Science Room 2 Island 1	Sink (L)	38.3
GCSD - GHS - 105	Science Room 2 Island 1	Sink (R)	27.2
GCSD - GHS - 106	Science Room 2 Island 2	Sink (L)	76.7
GCSD - GHS - 107	Science Room 2 Island 2	Sink (R)	153
GCSD - GHS - 108	Science Room 2 Island 3	Sink (L)	49.1
GCSD - GHS - 109	Science Room 2 Island 3	Sink (R)	62.5
GCSD - GHS - 110	Science Room 2 Island 4	Sink (L)	78.9
GCSD - GHS - 111	Science Room 2 Island 4	Sink (R)	61.3
GCSD - GHS - 112	Science Room 4 Island 1	Sink (L)	18.4
GCSD - GHS - 113	Science Room 4 Island 1	Sink (R)	94.9
GCSD - GHS - 114	Science Room 4 Island 2	Sink (L)	111
GCSD - GHS - 115	Science Room 4 Island 3	Sink (L)	31.6
GCSD - GHS - 116	Science Room 4 Island 3	Sink (R)	29.9
GCSD - GHS - 117	Science Room 4 Island 4	Sink (L)	48.1
GCSD - GHS - 118	Science Room 4 Island 4	Sink (R)	41.2
GCSD - GHS - 121	Science Room 2 Wall	Sink (L)	73.7
GCSD - GHS - 122	Science Room 2 Wall	Sink (R)	87.8
GCSD - GHS - 123	Science Room 2 Island 1	Sink (R)	113
GCSD - GHS - 124	Science Room 2 Island 2	Sink (L)	38.2

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<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 125	Science Room 2 Island 2	Sink (R)	99.0
GCSD - GHS - 126	Science Room 2 Island 3	Sink (L)	70.8
GCSD - GHS - 127	Science Room 2 Island 3	Sink (R)	80.2
GCSD - GHS - 128	Science Room 2 Island 4	Sink (L)	133
GCSD - GHS - 129	Science Room 2 Island 4	Sink (R)	174
GCSD - GHS - 130	Science Room 8 Wall	Sink (L)	76.1
GCSD - GHS - 131	Science Room 8 Island 1	Sink (L)	81.4
GCSD - GHS - 132	Science Room 8 Island 1	Sink (R)	94.4
GCSD - GHS - 133	Science Room 8 Island 2	Sink (L)	54.0
GCSD - GHS - 134	Science Room 8 Island 2	Sink (R)	68.9
GCSD - GHS - 135	Science Room 8 Wall	Sink (R)	80.2
GCSD - GHS - 136	Science Room 8 Island 3	Sink (L)	109
GCSD - GHS - 137	Science Room 8 Island 3	Sink (R)	86.7
GCSD - GHS - 138	Science Room 8 Island 4	Sink (L)	101
GCSD - GHS - 139	Science Room 8 Island 4	Sink (R)	81.3
GCSD - GHS - 140	Science Room 10 Island 1	Sink (L)	239
GCSD - GHS - 141	Science Room 10 Island 1	Sink (R)	271
GCSD - GHS - 142	Science Room 10 Island 2	Sink (L)	91.8
GCSD - GHS - 143	Science Room 10 Island 2	Sink (R)	68.0
GCSD - GHS - 144	Science Room 10 Wall	Sink (R)	50.5
GCSD - GHS - 145	Science Room 10 Island 3	Sink (L)	225
GCSD - GHS - 146	Science Room 10 Island 3	Sink (R)	196
GCSD - GHS - 147	Science Room 10 Island 4	Sink (L)	166
GCSD - GHS - 148	Science Room 10 Island 4	Sink (R)	203
GCSD - GHS - 149	Science Room 10 Wall	Sink (L)	142
GCSD - GHS - 150	Science Room 12 Island 1	Sink (L)	129
GCSD - GHS - 151	Science Room 12 Island 1	Sink (R)	169
GCSD - GHS - 152	Science Room 12 Island 2	Sink (L)	169
GCSD - GHS - 153	Science Room 12 Island 2	Sink (R)	173
GCSD - GHS - 154	Science Room 12 Island 3	Sink (L)	72.1
GCSD - GHS - 155	Science Room 12 Island 3	Sink (R)	138
GCSD - GHS - 156	Science Room 12 Island 4	Sink (L)	178
GCSD - GHS - 157	Science Room 12 Island 4	Sink (R)	75.2
GCSD - GHS - 158	Science Room 12 Wall	Sink (L)	65.6
GCSD - GHS - 159	Science Room 12 Wall	Sink (R)	128
GCSD - GHS - 160	Science Room 14 Island 1	Sink (L)	203
GCSD - GHS - 161	Science Room 14 Island 1	Sink (R)	169
GCSD - GHS - 162	Science Room 14 Island 2	Sink (L)	223
GCSD - GHS - 163	Science Room 14 Island 3	Sink (L)	193
GCSD - GHS - 164	Science Room 14 Island 3	Sink (R)	168
GCSD - GHS - 165	Science Room 14 Island 4	Sink (L)	241

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<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 166	Science Room 14 Island 4	Sink (R)	213
GCSD - GHS - 167	Science Room 14 Wall	Sink (R)	96.9
GCSD - GHS - 168	Computer Lab 5	Sink	16.2
GCSD - GHS - 171	Technology Shop 1D	Sink (L)	15.3
GCSD - GHS - 172	Technology Shop 1D	Sink (M)	20.8
GCSD - GHS - 173	Technology Shop 1D	Sink (R)	17.2
GCSD - GHS - 174	Detention Room 17	Sink	29.6
GCSD - GHS - 175	East Gym - Girl's Lockers	Sink (L)	28.0
GCSD - GHS - 176	East Gym - Girl's Lockers	Sink (M)	16.9
GCSD - GHS - 177	East Gym - Girl's Lockers	Sink (R)	15.6
GCSD - GHS - 178	East Gym - Girl's Lockers	Fountain	30.3
GCSD - GHS - 180	Men's Bathroom 311	Sink	17.2
GCSD - GHS - 182	Science Room 406	Sink (L)	52.3
GCSD - GHS - 183	Science Room 14 Island 2	Sink (R)	232
GCSD - GHS - 184	Science Room 14 Wall	Sink (L)	60.9

West Side

GCSD - GHS - 19	Boy's Bathroom By Rm. 25	Sink (L)	16.3
GCSD - GHS - 20	Boy's Bathroom By Rm. 25	Sink (M)	27.1
GCSD - GHS - 29	Bathroom By Room 23	Sink	70.4
GCSD - GHS - 30	Bathroom By Room 22	Sink	56.2
GCSD - GHS - 37	Kitchen - Bathroom	Sink	33.2
GCSD - GHS - 41	Girl's Bathroom By Café A	Sink (L)	21.1
GCSD - GHS - 43	Girl's Bathroom By Café A	Sink (R)	29.1
GCSD - GHS - 45	Boy's Bathroom By Café A	Sink (M)	19.8
GCSD - GHS - 47	Small Cafeteria	Sink	38.2
GCSD - GHS - 49	West Gym - Girl's Coach	Sink	30.1
GCSD - GHS - 49	West Gym - Girl's Coach	Sink	30.1
GCSD - GHS - 58	West Gym - Boy's Coach	Sink	25.4
GCSD - GHS - 64	Main Office Bathroom	Sink	18.2
GCSD - GHS - 74	Girl's Bathroom - K2	Left Sink (L)	17.8
GCSD - GHS - 81	Asst. Principal's Bathroom	Sink	22.1
GCSD - GHS - 82	Girl's Bathroom - 38	Right Sink (L)	19.5
GCSD - GHS - 83	Girl's Bathroom - 38	Right Sink (M)	19.2
GCSD - GHS - 85	Bathroom - 44	Sink	15.5
GCSD - GHS - 87	Boy's Bathroom - 40	Left Sink (M)	19.8
GCSD - GHS - 92	Room 503E - Kitchenette	Sink	20.2
GCSD - GHS - 94	Men's Bathroom by Lobby	Right Sink (L)	20.2
GCSD - GHS - 109	Girl's Bathroom - 611A	Right Sink (L)	20.0
GCSD - GHS - 112	Girl's Bathroom - 611A	Left Sink (L)	30.3
GCSD - GHS - 118	Bathroom A-17	Right Sink (MR)	34.0

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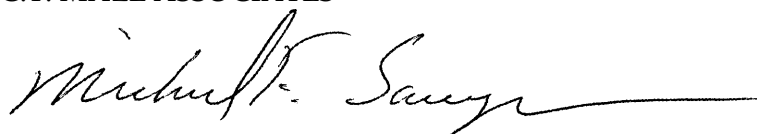
<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 122	2 nd - Corridor By 723	Fountain	20.2
GCSD - GHS - 126	2 nd - Girl's Bathroom - 717A	Left Sink (L)	15.6

In each of the areas above, the result for lead in drinking water is greater than 15.1ppb. Per the requirements of the NYSDOH, these sources shall be placed out of use, until such a time as remediation activity has been performed. Public notification to the school community is to be performed, and the exceedance results reported to the NYSDOH.

If you have any questions regarding this report, please contact me at (518) 786-7480.

Sincerely,

C.T. MALE ASSOCIATES



Michael F. Sawyer

Managing Industrial Hygienist

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.

50 Century Hill Drive, Latham, NY 12110
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com



December 15, 2016

Mr. Clifford Nooney
Building and Grounds Supervisor
Guilderland Central School District
6076 State Farm Road
Guilderland, New York 12084

Re: *Lead in Water Sampling and Analysis -Supplemental*
Guilderland High School, Guilderland CSD, Guilderland, NY

Dear Mr. Nooney:

C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture, D.P.C. (C.T. Male) has performed lead sample collection of water sources in the Guilderland High School building located at 8 School Road, Guilderland Center, NY. The water sampling was performed per the September 6, 2016 NYSDOH School Potable Water Testing and Standards.

Listed below are the analysis results for the lead in water sampling performed. Forty-one (41) additional samples were collected from this building from sources that were either used, not working or inaccessible during the initial sampling event(s). The "first draw" water samples were collected in 250 ml bottles from the sources (i.e., sink, fountain, etc.) most likely to be a point of water consumption. Analysis was performed using EPA Method 200.5 Determination of Trace Elements in Drinking Water (Atomic Absorption Spectrometry). The NYSDOH goal is to have zero lead in drinking water, however as the lead in water often comes from plumbing sources, the limit for lead in schools is to have no more than 15.1ppb of lead in any of the water from sampled sources. Results greater than 15.1ppb will require remediation prior to reuse. The laboratory analytical results are attached.

LEAD BULK SAMPLE ANALYSIS RESULTS

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
West			
GCSD - GHS - 50	West Girl's Locker Room	Sink (L)	12.5
GCSD - GHS - 60	West Boy's Locker Room	Sink (M)	No Flow
GCSD - GHS - 135	Bathroom By Classroom 706	Sink	3.8

***Lead content at or above the NYSDOH level of 15.1 parts per billion.**



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LEAD BULK SAMPLE ANALYSIS RESULTS (cont.)

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
East			
GCSD - GHS - 185	Girl's Bathroom 209	Sink (M)	5.3
GCSD - GHS - 186	Science Room 303 - Island 1	Sink (R)	47.1
GCSD - GHS - 187	Science Room 303 - Island 1	Sink (L)	50.1
GCSD - GHS - 188	Science Room 303 - Island 2	Sink (L)	55.5
GCSD - GHS - 189	Science Room 303 - Island 2	Sink (R)	78.6
GCSD - GHS - 190	Science Room 303 - Island 3	Sink (L)	84.4
GCSD - GHS - 191	Science Room 303 - Island 3	Sink (R)	59.4
GCSD - GHS - 192	Science Room 303 - Island 4	Sink (L)	21.0
GCSD - GHS - 193	Science Room 303 - Island 4	Sink (R)	75.3
GCSD - GHS - 194	Science Room 303 - Wall	Sink (L)	25.8
GCSD - GHS - 195	Science Room 303 - Wall	Sink (R)	49.2
GCSD - GHS - 196	Science Room 308 - Front	Sink (L)	65.4
GCSD - GHS - 197	Science Room 308 - Front	Sink (R)	49.1
GCSD - GHS - 198	Science Room 308 - Island 1	Sink (R)	3.8
GCSD - GHS - 199	Science Room 308 - Island 1	Sink (L)	6.1
GCSD - GHS - 200	Science Room 308 - Island 2	Sink (L)	5.0
GCSD - GHS - 201	Science Room 308 - Island 2	Sink (R)	3.2
GCSD - GHS - 202	Science Room 308 - Island 3	Sink (L)	7.8
GCSD - GHS - 203	Science Room 308 - Island 3	Sink (R)	3.7
GCSD - GHS - 204	Science Room 308 - Island 4	Sink (L)	2.6
GCSD - GHS - 205	Science Room 308 - Island 4	Sink (R)	2.5
GCSD - GHS - 206	Science Room 310 - Island 1	Sink (R)	65.5
GCSD - GHS - 207	Science Room 310 - Island 1	Sink (L)	No Flow
GCSD - GHS - 208	Science Room 310 - Island 2	Sink (L)	51.6
GCSD - GHS - 209	Science Room 310 - Island 2	Sink (R)	64.0
GCSD - GHS - 210	Science Room 310 - Island 3	Sink (L)	No Flow
GCSD - GHS - 211	Science Room 310 - Island 3	Sink (R)	83.6
GCSD - GHS - 212	Science Room 310 - Island 4	Sink (L)	114
GCSD - GHS - 213	Science Room 310 - Island 4	Sink (R)	No Flow
GCSD - GHS - 214	Science Room 310 - Island 5	Sink (L)	131
GCSD - GHS - 215	Science Room 310 - Island 5	Sink (R)	120
GCSD - GHS - 216	Science Room 310 - Island 6	Sink (L)	69.7
GCSD - GHS - 217	Science Room 310 - Island 6	Sink (R)	62.7
GCSD - GHS - 218	Science Room 310 - Rear	Sink	84.1
GCSD - GHS - 219	Science Room 310 - Front	Sink (L)	39.0
GCSD - GHS - 220	Science Room 310 - Front	Sink (R)	23.9
GCSD - GHS - 221	Science Room 305 - Wall	Sink (L)	31.2
GCSD - GHS - 222	Science Room 305 - Wall	Sink (R)	36.4

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*Lead content at or above the NYSDOH level of 15.1 parts per billion

LEAD BULK SAMPLE ANALYSIS RESULTS (cont.)

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 223	Science Room 305 - Island 1	Sink (R)	145
GCSD - GHS - 224	Science Room 305 - Island 1	Sink (L)	81.7
GCSD - GHS - 225	Science Room 305 - Island 2	Sink (L)	66.3
GCSD - GHS - 226	Science Room 305 - Island 2	Sink (R)	135
GCSD - GHS - 227	Science Room 305 - Island 3	Sink (L)	89.0
GCSD - GHS - 228	Science Room 305 - Island 3	Sink (R)	98.8
GCSD - GHS - 229	Science Room 305 - Island 4	Sink (L)	No Flow
GCSD - GHS - 230	Science Room 305 - Island 4	Sink (R)	132

CONCLUSIONS AND RECOMMENDATIONS

The lead in water analysis results from the following locations and sources exceed the 15.1ppb (15.1ug/l) NYSDOH action limit for lead in the drinking water.

<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 186	Science Room 303 - Island 1	Sink (R)	47.1
GCSD - GHS - 187	Science Room 303 - Island 1	Sink (L)	50.1
GCSD - GHS - 188	Science Room 303 - Island 2	Sink (L)	55.5
GCSD - GHS - 189	Science Room 303 - Island 2	Sink (R)	78.6
GCSD - GHS - 190	Science Room 303 - Island 3	Sink (L)	84.4
GCSD - GHS - 191	Science Room 303 - Island 3	Sink (R)	59.4
GCSD - GHS - 192	Science Room 303 - Island 4	Sink (L)	21.0
GCSD - GHS - 193	Science Room 303 - Island 4	Sink (R)	75.3
GCSD - GHS - 194	Science Room 303 - Wall	Sink (L)	25.8
GCSD - GHS - 195	Science Room 303 - Wall	Sink (R)	49.2
GCSD - GHS - 196	Science Room 308 - Front	Sink (L)	65.4
GCSD - GHS - 197	Science Room 308 - Front	Sink (R)	49.1
GCSD - GHS - 206	Science Room 310 - Island 1	Sink (R)	65.5
GCSD - GHS - 208	Science Room 310 - Island 2	Sink (L)	51.6
GCSD - GHS - 209	Science Room 310 - Island 2	Sink (R)	64.0
GCSD - GHS - 211	Science Room 310 - Island 3	Sink (R)	83.6
GCSD - GHS - 212	Science Room 310 - Island 4	Sink (L)	114
GCSD - GHS - 214	Science Room 310 - Island 5	Sink (L)	131
GCSD - GHS - 215	Science Room 310 - Island 5	Sink (R)	120
GCSD - GHS - 216	Science Room 310 - Island 6	Sink (L)	69.7
GCSD - GHS - 217	Science Room 310 - Island 6	Sink (R)	62.7
GCSD - GHS - 218	Science Room 310 - Rear	Sink	84.1
GCSD - GHS - 219	Science Room 310 - Front	Sink (L)	39.0
GCSD - GHS - 220	Science Room 310 - Front	Sink (R)	23.9
GCSD - GHS - 221	Science Room 305 - Wall	Sink (L)	31.2

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GCSD - GHS - 222	Science Room 305 - Wall	Sink (R)	36.4
<u>Sample #</u>	<u>Sample Location</u>	<u>Source</u>	<u>(ppb)</u>
GCSD - GHS - 223	Science Room 305 - Island 1	Sink (R)	145
GCSD - GHS - 224	Science Room 305 - Island 1	Sink (L)	81.7
GCSD - GHS - 225	Science Room 305 - Island 2	Sink (L)	66.3
GCSD - GHS - 226	Science Room 305 - Island 2	Sink (R)	135
GCSD - GHS - 227	Science Room 305 - Island 3	Sink (L)	89.0
GCSD - GHS - 228	Science Room 305 - Island 3	Sink (R)	98.8
GCSD - GHS - 230	Science Room 305 - Island 4	Sink (R)	132

In each of the areas above, the result for lead in drinking water is greater than 15.1ppb. Per the requirements of the NYSDOH, these sources shall be placed out of use, until such a time as remediation activity has been performed. Public notification to the school community is to be performed, and the exceedance results reported to the NYSDOH.

If you have any questions regarding this report, please contact me at (518) 786-7480.

Sincerely,

C.T. MALE ASSOCIATES



Michael F. Sawyer
Managing Industrial Hygienist