



**Northwestern High School**

G2138 West Carpenter Road | Flint, Michigan | 48505

---

**Introduction**

On Saturday, December 30, 2015, the Department of Licensing and Regulatory Affairs (DLARA) and the Department of Environmental Quality (DEQ), collectively (Team), conducted a sampling assessment of the plumbing system at the Northwestern High School to determine any potential lead and/or copper sources within the building.

The Team is in the process of replacing all drinking water fixtures in the building. Once replacements are completed, the Team will return and conduct an additional sampling assessment on the new fixtures.

The results of the December 30, 2015, sampling assessments are found below:

**Water Service Information**

An inspection of the water main inside the building yielded an eight inch cast or ductile iron pipe that connected to a four inch galvanized line. A split meter was present for lawn irrigation.

**Fixtures with Lead Levels Greater Than 15 Parts per Billion**

Based on the sampling conducted, the following fixtures were found to have lead water level results greater than 15 parts per billion (ppb).<sup>1</sup>

Location: Drinking Water Bubbler, East Hall next to Room 309 (DW008)<sup>2</sup>  
Results: P1=54 parts per billion, P2=7 parts per billion  
F01=34 parts per billion, F02=65 parts per billion

Location: Drinking Water Bubbler, East Hall next to Room 309 (DW009)<sup>3</sup>  
Results: P1=47 parts per billion, P2=53 parts per billion  
F01=82 parts per billion, F02=55 parts per billion

Location: Drinking Water Bubbler, East Hall next to Room 309 (DW010)  
Results: P1=44 parts per billion, P2=23 parts per billion  
F01=39 parts per billion, F02=24 parts per billion

---

<sup>1</sup> After a 12-hour stagnation period, the Team collected four (4) samples at each of the fixtures identified. Two (2) initial, 125-milliliter samples (P1 and P2), were collected immediately after turning on the tap. The water was then flushed for 30 seconds and a third, 125-milliliter sample (F01) was collected. Finally, the water was flushed for another two minutes, and the fourth 125-mililiter sample (F02) was collected. These samples were used to determine the impact of any lead sources in and around each specific fixture and its connecting plumbing.

<sup>2</sup> This fixture also has a copper water level over 1.3 parts per million (ppm), reflected later in this report.

<sup>3</sup> This fixture also has a copper water level over 1.3 parts per million (ppm), reflected later in this report.



**Northwestern High School**

G2138 West Carpenter Road | Flint, Michigan | 48505

---

Location:	Drinking Water Bubbler, Room 310, (DW011)
Results:	P1=149 parts per billion, P2=44 parts per billion F01=29 parts per billion, F02=4 parts per billion
Location:	Classroom Faucet, Room 310, (CF013)
Results:	P1=67 parts per billion, P2=33 parts per billion F01=10 parts per billion, F02=1 part per billion
Location:	Classroom Faucet, Workroom 427, (CF014) <sup>4</sup>
Results:	P1=236 parts per billion, P2=647 parts per billion F01=36 parts per billion, F02=9 parts per billion
Location:	Kitchen Faucet, Room B414 (KC015) <sup>5</sup>
Results:	P1=304 parts per billion, P2=248 parts per billion F01=8 parts per billion, F02=6 parts per billion
Location:	Drinking Water Bubbler, Hallway across from Room 420, (DW017)
Results:	P1=12 parts per billion, P2=13 parts per billion F01=387 parts per billion, F02=72 parts per billion
Location:	Drinking Water Bubbler, Hallway across from Room 420, (DW018)
Results:	P1=59 parts per billion, P2=68 parts per billion F01=49 parts per billion, F02=11 parts per billion
Location:	Drinking Water Bubbler, Hallway across from Room 420 (DW019)
Results:	P1=190 parts per billion, P2=34 parts per billion F01=140 parts per billion, F02=20 parts per billion
Location:	Drinking Water Bubbler, Hallway across from Room 407 (DW022)
Results:	P1=18 parts per billion, P2=5 parts per billion F01=3 parts per billion, F02=3 parts per billion
Location:	Classroom Faucet, Room 216A, (CF024)
Results:	P1=41 parts per billion, P2=85 parts per billion F01=10 parts per billion, F02=7 parts per billion
Location:	Classroom Faucet, Room 217, (CF025)
Results:	P1=19 parts per billion, P2=12 parts per billion F01=6 parts per billion, F02=2 parts per billion

---

<sup>4</sup> This fixture also has a copper water level over 1.3 parts per million (ppm), reflected later in this report.

<sup>5</sup> This fixture also has a copper water level over 1.3 parts per million (ppm), reflected later in this report.



**Northwestern High School**

G2138 West Carpenter Road | Flint, Michigan | 48505

---

Location: Drinking Water Bubbler, Across from Room 106A, (DW026)  
Results: P1=46 parts per billion, P2=41 parts per billion  
F01=11 parts per billion, F02=6 parts per billion

Location: Drinking Water Bubbler, Across from Room 106A, (DW027)  
Results: P1=29 parts per billion, P2=11 parts per billion  
F01=10 parts per billion, F02=12 parts per billion

Location: Kitchen Faucet, Room 211, (KC028)  
Results: P1=16 parts per billion, P2=6 parts per billion  
F01=7 parts per billion, F02=3 parts per billion

Location: Drinking Water Bubbler, Across from Room 220, (DW029)<sup>6</sup>  
Results: P1=521 parts per billion, P2=61 parts per billion  
F01=27 parts per billion, F02=31 parts per billion

Location: Drinking Water Bubbler, Across from Room 220, (DW030)<sup>7</sup>  
Results: P1=226 parts per billion, P2=28 parts per billion  
F01=38 parts per billion, F02=25 parts per billion

Location: Drinking Water Bubbler, Across from Room 220, (DW031)  
Results: P1=217 parts per billion, P2=20 parts per billion  
F01=15 parts per billion, F02=12 parts per billion

Location: Drinking Water Bubbler, Across from Room 207, (DW032)<sup>8</sup>  
Results: P1=478 parts per billion, P2=85 parts per billion  
F01=34 parts per billion, F02=28 parts per billion

Location: Drinking Water Bubbler, Across from Room 207, (DW033)<sup>9</sup>  
Results: P1=301 parts per billion, P2=13 parts per billion  
F01=16 parts per billion, F02=12 parts per billion

Location: Drinking Water Bubbler, Across from Room 207, (DW034)  
Results: P1=180 parts per billion, P2=10 parts per billion  
F01=12 parts per billion, F02=14 parts per billion

---

<sup>6</sup> This fixture also has a copper water level over 1.3 parts per million (ppm), reflected later in this report.

<sup>7</sup> This fixture also has a copper water level over 1.3 parts per million (ppm), reflected later in this report.

<sup>8</sup> This fixture also has a copper water level over 1.3 parts per million (ppm), reflected later in this report.

<sup>9</sup> This fixture also has a copper water level over 1.3 parts per million (ppm), reflected later in this report.



**Northwestern High School**

G2138 West Carpenter Road | Flint, Michigan | 48505

---

Location: Classroom Faucet, Room 207, (CF035)  
Results: P1=13 parts per billion, P2=121 parts per billion  
F01=4 parts per billion, F02=22 parts per billion

Location: Classroom Faucet, Room 314, (CF036)  
Results: P1=44 parts per billion, P2=163 parts per billion  
F01=16 parts per billion, F02=3 parts per billion

Location: Drinking Water Bubbler, Cafeteria, (DW041)  
Results: P1=10 parts per billion, P2=13 parts per billion  
F01=4 parts per billion, F02=17 parts per billion

Location: Drinking Water Bubbler, Pool, (DW043)  
Results: P1=126 parts per billion, P2=25 parts per billion  
F01=4 parts per billion, F02=1 part per billion

Location: Drinking Water Bubbler, Room 504, (DW046)  
Results: P1=19 parts per billion, P2=2 parts per billion  
F01=2 parts per billion, F02=11 parts per billion

Location: Drinking Water Bubbler, Room 506, (DW047)  
Results: P1=27 parts per billion, P2=5 parts per billion  
F01=2 parts per billion, F02=3 parts per billion

**Fixtures with Copper Levels Greater Than 1.3 Parts per Million**

Based on the sampling conducted, the following fixtures were found to have copper water level results greater than 1.3 parts per million (ppm).<sup>1</sup>

Location: Drinking Water Bubbler, East Hall next to Room 309 (DW008)  
Results: P1=0.64 parts per million, P2=0.07 parts per million  
F01=0.46 parts per million, F02=2.02 parts per million

Location: Drinking Water Bubbler, East Hall next to Room 309 (DW009)  
Results: P1=0.46 parts per million, P2=1.50 parts per million  
F01=2.50 parts per million, F02=1.52 parts per million

Location: Classroom Faucet, Workroom 427, (CF014)  
Results: P1=0.70 parts per million, P2=1.60 parts per million  
F01=0.65 parts per million, F02=0.28 parts per million



**Northwestern High School**

G2138 West Carpenter Road | Flint, Michigan | 48505

---

- Location: Kitchen Faucet, Room B414 (KC015)  
Results: P1=1.17 parts per million, P2=1.59 parts per million  
F01=0.14 parts per million, F02=0.13 parts per million
  
- Location: Drinking Water Bubbler, Across from Room 220, (DW029)  
Results: P1=2.81 parts per million, P2=0.49 parts per million  
F01=0.38 parts per million, F02=0.40 parts per million
  
- Location: Drinking Water Bubbler, Across from Room 220, (DW030)  
Results: P1=1.34 parts per million, P2=0.33 parts per million  
F01=0.40 parts per million, F02=0.28 parts per million
  
- Location: Drinking Water Bubbler, Across from Room 207, (DW032)  
Results: P1=1.96 parts per million, P2=0.69 parts per million  
F01=0.29 parts per million, F02=0.31 parts per million
  
- Location: Drinking Water Bubbler, Across from Room 207, (DW033)  
Results: P1=1.75 parts per million, P2=0.11 parts per million  
F01=0.18 parts per million, F02=0.16 parts per million



**Northwestern High School**

G2138 West Carpenter Road | Flint, Michigan | 48505

**Consecutive Sampling Results**

This consecutive sampling was used to determine the impact of any lead sources located deep in the supply plumbing of the building. Results of the consecutive sample monitoring are listed in the table below.

Consecutive Sample No.	1	2	3	4	5	6	7	8	9	10
LOCATION	LEAD RESULT (PARTS PER BILLION; ND = NOT-DETECTED)									
Room 310 Classroom Faucet (CF013)	3	2	1	1	2	ND	ND	ND	ND	ND
Room 414 Classroom Faucet (CF023)	2	2	2	2	2	2	2	2	2	2
Room 214 Classroom Faucet (CF036)	21	19	5	4	2	2	3	2	2	2
Community Room Kitchen Faucet (KC039)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Men's Dressing Room Bathroom Faucet (BF052)	4	1	ND	ND	ND	1	1	ND	ND	ND

Northwestern High School  
G2138 West Carpenter Road  
Flint, MI 48505

Sample Number	Analysis (mg/L)	Result (Pb)	Analysis (Cu)	Result (mg/L)	Sample Description	Site Code
LF98283	Lead	0.003	Copper	0.05	CF013 RM 310	CA1
LF98284	Lead	0.002	Copper	0.00	CF013 RM 310	CA2
LF98285	Lead	0.001	Copper	0.00	CF013 RM 310	CA3
LF98286	Lead	0.001	Copper	0.00	CF013 RM 310	CA4
LF98287	Lead	0.002	Copper	0.00	CF013 RM 310	CA5
LF98288	Lead	0.000	Copper	0.00	CF013 RM 310	CA6
LF98289	Lead	0.000	Copper	0.00	CF013 RM 310	CA7
LF98290	Lead	0.000	Copper	0.00	CF013 RM 310	CA8
LF98291	Lead	0.000	Copper	0.00	CF013 RM 310	CA9
LF98292	Lead	0.000	Copper	0.00	CF013 RM 310	CA10
LF98293	Lead	0.002	Copper	0.31	CF023 RM 414	CB1
LF98294	Lead	0.002	Copper	0.40	CF023 RM 414	CB2
LF98295	Lead	0.002	Copper	0.33	CF023 RM 414	CB3
LF98296	Lead	0.002	Copper	0.23	CF023 RM 414	CB4
LF98297	Lead	0.002	Copper	0.21	CF023 RM 414	CB5
LF98298	Lead	0.002	Copper	0.21	CF023 RM 414	CB6
LF98299	Lead	0.002	Copper	0.21	CF023 RM 414	CB7
LF98300	Lead	0.002	Copper	0.21	CF023 RM 414	CB8
LF98301	Lead	0.002	Copper	0.21	CF023 RM 414	CB9
LF98302	Lead	0.002	Copper	0.21	CF023 RM 414	CB10
LF98303	Lead	0.021	Copper	0.14	CF036 RM 214	CC1
LF98304	Lead	0.019	Copper	0.17	CF036 RM 214	CC2
LF98305	Lead	0.005	Copper	0.18	CF036 RM 214	CC3
LF98306	Lead	0.004	Copper	0.14	CF036 RM 214	CC4
LF98307	Lead	0.002	Copper	0.08	CF036 RM 214	CC5
LF98308	Lead	0.002	Copper	0.11	CF036 RM 214	CC6
LF98309	Lead	0.003	Copper	0.07	CF036 RM 214	CC7
LF98310	Lead	0.002	Copper	0.00	CF036 RM 214	CC8
LF98311	Lead	0.002	Copper	0.00	CF036 RM 214	CC9
LF98312	Lead	0.002	Copper	0.00	CF036 RM 214	CC10

Note: Results of " Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for Lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Northwestern High School  
G2138 West Carpenter Road  
Flint, MI 48505

Sample Number	Analysis (mg/L)	Result (Pb)	Analysis (Cu)	Result (mg/L)	Sample Description	Site Code
LF98313	Lead	0.000	Copper	0.17	KC039 CMTY ROOM	CD1
LF98314	Lead	0.000	Copper	0.13	KC039 CMTY ROOM	CD2
LF98315	Lead	0.000	Copper	0.12	KC039 CMTY RM	CD3
LF98316	Lead	0.000	Copper	0.10	KC039 CMTY RM	CD4
LF98317	Lead	0.000	Copper	0.08	KC039 CMTY RM	CD5
LF98318	Lead	0.000	Copper	0.07	KC039 CMTY RM	CD6
LF98319	Lead	0.000	Copper	0.06	KC039 CMTY RM	CD7
LF98320	Lead	0.000	Copper	0.06	KC039 CMTY RM	CD8
LF98321	Lead	0.000	Copper	0.05	KC039 CMTY RM	CD9
LF98322	Lead	0.000	Copper	0.05	KC039 CMTY RM	CD10
LF98323	Lead	0.004	Copper	0.83	BF052 MENS DRESSING ROOM	CE1
LF98324	Lead	0.001	Copper	0.75	BF052 MENS DRESSING ROOM	CE2
LF98325	Lead	0.000	Copper	0.65	BF052 MENS DRESSING ROOM	CE3
LF98326	Lead	0.000	Copper	0.64	BF052 MENS DRESSING ROOM	CE4
LF98327	Lead	0.000	Copper	0.64	BF052 MENS DRESSING ROOM	CE5
LF98328	Lead	0.001	Copper	0.67	BF052 MENS DRESSING ROOM	CE6
LF98329	Lead	0.001	Copper	0.64	BF052 MENS DRESSING ROOM	CE7
LF98330	Lead	0.000	Copper	0.64	BF052 MENS DRESSING ROOM	CE8
LF98331	Lead	0.000	Copper	0.63	BF052 MENS DRESSING ROOM	CE9
LF98332	Lead	0.000	Copper	0.64	BF052 MENS DRESSING ROOM	CE10
LF98333	Lead	0.044	Copper	0.22	DW010- NEXT TO RM 309 EAST HALL	P1
LF98334	Lead	0.023	Copper	0.24	DW010- NEXT TO RM 309 EAST HALL	P2
LF98335	Lead	0.039	Copper	0.93	DW010- NEXT TO RM 309 EAST HALL	F01
LF98336	Lead	0.024	Copper	0.40	DW010- NEXT TO RM 309 EAST HALL	F02
LF98337	Lead	0.236	Copper	0.70	CF014- 427 WORK RM	P1
LF98338	Lead	0.647	Copper	1.60	CF014-427 WORK RM	P2
LF98339	Lead	0.036	Copper	0.65	CF014-427 WORK RM	F01
LF98340	Lead	0.009	Copper	0.28	CF014- 427-WORK RM	F02
LF98341	Lead	0.067	Copper	0.22	CF013- RM310	P1
LF98342	Lead	0.033	Copper	0.14	CF013-RM310	P2
LF98343	Lead	0.010	Copper	0.00	CF013- RM 310	F01
LF98344	Lead	0.001	Copper	0.00	CF013 RM 310	F02

Note: Results of " Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for Lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Northwestern High School  
G2138 West Carpenter Road  
Flint, MI 48505

Sample Number	Analysis (mg/L)	Result (Pb)	Analysis (Cu)	Result (mg/L)	Sample Description	Site Code
LF98345	Lead	0.047	Copper	0.46	DW009- NEXT TO RM 309 EAST HALL	P1
LF98346	Lead	0.053	Copper	1.50	DW009 -NEXT TO RM 309 EAST HALL	P2
LF98347	Lead	0.082	Copper	2.50	DW009 -NEXT TO RM 309 EAST HALL	F01
LF98348	Lead	0.055	Copper	1.52	DW009-NEXT TO RM 309 EAST HALL	F02
LF98349	Lead	0.004	Copper	0.20	CF007- INFANT ROOM	P1
LF98350	Lead	0.000	Copper	0.33	CF007 -INFANT ROOM	P2
LF98351	Lead	0.000	Copper	0.54	CF007- INFANT ROOM	F01
LF98352	Lead	0.000	Copper	0.15	CF007- INFANT ROOM	F02
LF98353	Lead	0.149	Copper	0.21	DW011- RM 310	P1
LF98354	Lead	0.044	Copper	0.10	DW011- RM 310	P2
LF98355	Lead	0.029	Copper	0.07	DW011 RM310	F01
LF98356	Lead	0.004	Copper	0.00	DW011-RM310	F02
LF98357	Lead	0.001	Copper	0.59	NS004- RM1-WELLNESS CLINIC	P1
LF98358	Lead	0.000	Copper	0.68	NS004- RM1- WELLNESS CLINIC	P2
LF98359	Lead	0.000	Copper	0.58	NS004- RM1- WELLNESS CLINIC	F01
LF98360	Lead	0.000	Copper	0.16	NS004- RM1- WELLNESS CLINIC	F02
LF98361	Lead	0.002	Copper	0.75	CF006- CHILD TODDLER CARE	P1
LF98362	Lead	0.000	Copper	0.55	CF006 -CHILD TODDLER CARE	P2
LF98363	Lead	0.000	Copper	0.56	CF006- CHILD TODDLER CARE	F01
LF98364	Lead	0.000	Copper	0.39	CF006- CHILD TODDLER CARE	F02
LF98365	Lead	0.054	Copper	0.64	DW008- NEXT TO RM 309 EAST HALL	P1
LF98366	Lead	0.007	Copper	0.07	DW008 -NEXT TO RM 309 EAST HALL	P2
LF98367	Lead	0.034	Copper	0.46	DW008- NEXT TO RM 309-EAST HALL	F01
LF98368	Lead	0.065	Copper	2.02	DW008-NEXT TO RM 309-EAST HALL	F02
LF98369	Lead	0.001	Copper	0.37	NS003-NURSES STATION WELLNESS CLINIC	P1
LF98370	Lead	0.000	Copper	0.48	NS003-NURSES STATION WELLNESS CLINIC	P2
LF98371	Lead	0.000	Copper	0.25	NS003-NURSES STATION WELLNESS CLINIC	F01
LF98372	Lead	0.000	Copper	0.11	NS003-NURSES STATION WELLNESS CLINIC	F02
LF98373	Lead	0.004	Copper	0.14	KC001- CUSTODIAN BREAK RM	P1
LF98374	Lead	0.004	Copper	0.06	KC001 CUSTODIAN BREAK RM	P2
LF98375	Lead	0.001	Copper	0.00	KC001 CUSTODIAN BREAK RM	F01
LF98376	Lead	0.000	Copper	0.00	KC001 CUSTODIAN BREAK RM	F02

Note: Results of " Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for Lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Northwestern High School  
G2138 West Carpenter Road  
Flint, MI 48505

Sample Number	Analysis (mg/L)	Result (Pb)	Analysis (Cu)	Result (mg/L)	Sample Description	Site Code
LF98377	Lead	0.004	Copper	0.65	NS005- RM2- WELLNESS CLINIC	P1
LF98378	Lead	0.001	Copper	0.46	NS005- RM 2- WELLNESS CLINIC	P2
LF98379	Lead	0.000	Copper	0.15	NS005- RM 2- WELLNESS CLINIC	F01
LF98380	Lead	0.000	Copper	0.09	NS005- RM 2- WELLNESS CLINIC	F02
LF98381	Lead	0.304	Copper	1.17	KC015-RM B415	P1
LF98382	Lead	0.248	Copper	1.59	KC015- RM B415	P2
LF98383	Lead	0.008	Copper	0.14	KC015 -RM B415	F01
LF98384	Lead	0.006	Copper	0.13	KC015- RM B415	F02
LF98385	Lead	0.012	Copper	0.41	CF016- RMA415	P1
LF98386	Lead	0.009	Copper	0.57	CF016 -RM A415	P2
LF98387	Lead	0.000	Copper	0.00	CF016- RM A415	F01
LF98388	Lead	0.000	Copper	0.00	CF016- RM A415	F02
LF98389	Lead	0.190	Copper	0.42	DW019- HALLWAY ACROSS FROM 420	P1
LF98390	Lead	0.034	Copper	0.22	DW019-HALLWAY ACROSS FROM 420	P2
LF98391	Lead	0.140	Copper	0.33	DW019 -HALLWAY ACROSS FROM 420	F01
LF98392	Lead	0.020	Copper	0.19	DW019- HALLWAY ACROSS FROM 420	F02
LF98393	Lead	0.018	Copper	0.21	DW022- HALLWAY ACROSS 407	P1
LF98394	Lead	0.005	Copper	0.09	DW022- HALLWAY ACROSS 407	P2
LF98395	Lead	0.003	Copper	0.07	DW022- HALLWAY ACROSS 407	F01
LF98396	Lead	0.003	Copper	0.06	DW022- HALLWAY ACROSS 407	F02
LF98397	Lead	0.019	Copper	0.39	CF025- RM217	P1
LF98398	Lead	0.012	Copper	0.47	CF025- RM217	P2
LF98399	Lead	0.006	Copper	0.25	CF025- RM217	F01
LF98400	Lead	0.002	Copper	0.13	CF025- RM217	F02
LF98401	Lead	0.059	Copper	0.59	DW018- HALLWAY ACROSS FROM 420	P1
LF98402	Lead	0.068	Copper	0.50	DW018 HALLWAY ACROSS FROM 420	P2
LF98403	Lead	0.049	Copper	0.38	DW018 HALLWAY ACROSS FROM 420	F01
LF98404	Lead	0.011	Copper	0.23	DW018 -HALLWAY ACROSS FROM 420	F02
LF98405	Lead	0.003	Copper	0.33	CF023 -ROOM 414	P1
LF98406	Lead	0.002	Copper	0.10	CF023- ROOM 414	P2
LF98407	Lead	0.002	Copper	0.13	CF023 -ROOM 414	F01
LF98408	Lead	0.002	Copper	0.19	CF023 -ROOM 414	F02

Note: Results of " Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for Lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Northwestern High School  
G2138 West Carpenter Road  
Flint, MI 48505

Sample Number	Analysis (mg/L)	Result (Pb)	Analysis (Cu)	Result (mg/L)	Sample Description	Site Code
LF98409	Lead	0.041	Copper	0.18	CF024 -RM216A	P1
LF98410	Lead	0.085	Copper	0.34	CF024- RM 216A	P2
LF98411	Lead	0.010	Copper	1.13	CF024- RM 216A	F01
LF98412	Lead	0.007	Copper	0.82	CF024- RM 216A	F02
LF98413	Lead	0.016	Copper	0.33	KC028- RM211	P1
LF98414	Lead	0.006	Copper	0.23	KC028- RM 211	P2
LF98415	Lead	0.007	Copper	0.17	KC028- RM211	F01
LF98416	Lead	0.003	Copper	0.08	KC028- RM 211	F02
LF98417	Lead	0.029	Copper	0.12	DW027- ACROSS 106A	P1
LF98418	Lead	0.011	Copper	0.08	DW027 -ACROSS 106A	P2
LF98419	Lead	0.010	Copper	0.11	DW027 -ACROSS 106A	F01
LF98420	Lead	0.012	Copper	0.08	DW027 -ACROSS 106A	F02
LF98421	Lead	0.046	Copper	0.23	DW026- ACROSS 106A	P1
LF98422	Lead	0.041	Copper	0.65	DW026- ACROSS 106A	P2
LF98423	Lead	0.011	Copper	0.11	DW026- ACROSS 106A	F01
LF98424	Lead	0.006	Copper	0.07	DW026- ACROSS 106A	F02
LF98425	Lead	0.019	Copper	0.64	DW046- RM 504	P1
LF98426	Lead	0.002	Copper	0.71	DW046 -RM 504	P2
LF98427	Lead	0.002	Copper	0.85	DW046 -RM 504	F01
LF98428	Lead	0.011	Copper	0.76	DW046- RM 504	F02
LF98429	Lead	0.027	Copper	0.57	DW047- RM506	P1
LF98430	Lead	0.005	Copper	0.54	DW047-RM506	P2
LF98431	Lead	0.002	Copper	0.73	DW047-RM506	F01
LF98432	Lead	0.003	Copper	0.80	DW047- RM506	F02
LF98433	Lead	0.126	Copper	0.34	DW043-POOL	P1
LF98434	Lead	0.025	Copper	0.17	DW043-POOL	P2
LF98435	Lead	0.004	Copper	0.00	DW043-POOL	F01
LF98436	Lead	0.001	Copper	0.00	DW043-POOL	F02
LF98437	Lead	0.521	Copper	2.81	DW029-ACROSS 220	P1
LF98438	Lead	0.061	Copper	0.49	DW029- ACROSS 220	P2
LF98439	Lead	0.027	Copper	0.38	DW029- ACROSS 220	F01
LF98440	Lead	0.031	Copper	0.40	DW029-ACROSS 220	F02

Note: Results of " Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for Lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Northwestern High School  
G2138 West Carpenter Road  
Flint, MI 48505

Sample Number	Analysis (mg/L)	Result (Pb)	Analysis (Cu)	Result (mg/L)	Sample Description	Site Code
LF98441	Lead	0.226	Copper	1.34	DW030- ACROSS 220	P1
LF98442	Lead	0.028	Copper	0.33	DW030- ACROSS 220	P2
LF98443	Lead	0.038	Copper	0.40	DW030- ACROSS 220	F01
LF98444	Lead	0.025	Copper	0.28	DW030- ACROSS 220	F02
LF98445	Lead	0.217	Copper	1.28	DW031- ACROSS 220	P1
LF98446	Lead	0.020	Copper	0.19	DW031- ACROSS 220	P2
LF98447	Lead	0.015	Copper	0.18	DW031 -ACROSS 220	F01
LF98448	Lead	0.012	Copper	0.15	DW031- ACROSS 220	F02
LF98449	Lead	0.301	Copper	1.75	DW033- ACROSS 207	P1
LF98450	Lead	0.013	Copper	0.11	DW033- ACROSS 207	P2
LF98451	Lead	0.016	Copper	0.18	DW033- ACROSS 207	F01
LF98452	Lead	0.012	Copper	0.16	DW033- ACROSS 207	F02
LF98453	Lead	0.180	Copper	1.29	DW034- ACROSS 207	P1
LF98454	Lead	0.010	Copper	0.09	DW034- ACROSS 207	P2
LF98455	Lead	0.012	Copper	0.15	DW034- ACROSS 207	F01
LF98456	Lead	0.014	Copper	0.18	DW034- ACROSS 207	F02
LF98457	Lead	0.013	Copper	0.28	CF035- RM207	P1
LF98458	Lead	0.121	Copper	0.69	CF035- RM207	P2
LF98459	Lead	0.004	Copper	0.25	CF035- RM 207	F01
LF98460	Lead	0.022	Copper	0.27	CF035- RM207	F02
LF98461	Lead	0.478	Copper	1.96	DW032- ACROSS 207	P1
LF98462	Lead	0.085	Copper	0.69	DW032- ACROSS 207	P2
LF98463	Lead	0.034	Copper	0.29	DW032- ACROSS 207	F01
LF98464	Lead	0.028	Copper	0.31	DW032- ACROSS 207	F02
LF98465	Lead	0.003	Copper	0.12	KC037-RM 411	P1
LF98466	Lead	0.002	Copper	0.10	KC037- RM 411	P2
LF98467	Lead	0.000	Copper	0.00	KC037- RM 411	F01
LF98468	Lead	0.000	Copper	0.00	KC037-RM 411	F02
LF98469	Lead	0.044	Copper	0.39	CFR036- RM 214	P1
LF98470	Lead	0.163	Copper	1.00	CF036- RM214	P2
LF98471	Lead	0.016	Copper	0.41	CF036- RM214	F01
LF98472	Lead	0.003	Copper	0.05	CF036- RM 214	F02

Note: Results of " Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for Lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Northwestern High School  
G2138 West Carpenter Road  
Flint, MI 48505

Sample Number	Analysis (mg/L)	Result (Pb)	Analysis (Cu)	Result (mg/L)	Sample Description	Site Code
LF98473	Lead	0.006	Copper	0.27	KC039- COMMUNITY ROOM	P1
LF98474	Lead	0.005	Copper	0.41	KC039- COMMUNITY ROOM	P2
LF98475	Lead	0.001	Copper	0.41	KC039-COMMUNITY ROOM	F01
LF98476	Lead	0.000	Copper	0.10	KC039- COMMUNITY ROOM	F02
LF98477	Lead	0.007	Copper	0.13	KC038- MAIN OFFICE	P1
LF98478	Lead	0.003	Copper	0.13	KC038- MAIN OFFICE	P2
LF98479	Lead	0.001	Copper	0.40	KC038- MAIN OFFICE	F01
LF98480	Lead	0.000	Copper	0.06	KC038-MAIN OFFICE	F02
LF98481	Lead	0.012	Copper	0.50	DW017- HALLWAY ACROSS FROM 420	P1
LF98482	Lead	0.013	Copper	0.58	DW017- HALLWAY ACROSS FROM 420	P2
LF98483	Lead	0.387	Copper	1.28	DW017- HALLWAY ACROSS FROM 420	F01
LF98484	Lead	0.072	Copper	0.67	DW017- HALLWAY ACROSS FROM 420	F02
LF98485	Lead	0.010	Copper	0.36	DW041- CAFETERIA	P1
LF98486	Lead	0.013	Copper	0.60	DW041- CAFETERIA	P2
LF98487	Lead	0.004	Copper	0.67	DW041- CAFETERIA	F01
LF98488	Lead	0.017	Copper	0.77	DW041- CAFETERIA	F02

Note: Results of " Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for Lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L