**ICPSR 36955** 

# State of Michigan: Taking Action on Flint Water Test Results, 2015-2017

Michigan Department of Health and Human Services

Codebook for Part 2 - Sentinel Testing Results

Inter-university Consortium for Political and Social Research P.O. Box 1248 Ann Arbor, Michigan 48106 www.icpsr.umich.edu

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#### **ICPSR 36955**

# State of Michigan: Taking Action on Flint Water Test Results, 2015-2017

### Variable Description and Frequencies

Note: Frequencies displayed for the variables are not weighted. They are purely descriptive and may not be representative of the study population. Please review any sampling or weighting information available with the study.

Summary statistics (minimum, maximum, mean, median, and standard deviation) may not be available for every variable in the codebook. Conversely, a listing of frequencies in table format may not be present for every variable in the codebook either. However, all variables in the dataset are present and display sufficient information about each variable. These decisions are made intentionally and are at the discretion of the archive producing this codebook.

# **Sentinel Testing Results**

# SENTINELTYPE: Sentinel Type (Sentinel or Extended Sentinel)

Val	lue	Label	Unweighted Frequency	%
1	1	Sentinel	3165	73.7 %
2	2	Extended Sentinel	1130	26.3 %
		Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Minimum: 1Maximum: 2

Location: 1-2 (width: 2; decimal: 0)

Variable Type: numeric

#### **SAMPLE\_NUMBER: Sample Number**

Value	Label	Unweighted Frequency	%
LG34789	-	1	0.0 %
LG34790	-	1	0.0 %
LG34791	-	1	0.0 %
LG34792	-	1	0.0 %
LG34793	-	1	0.0 %
LG34794	-	1	0.0 %
LG34795	-	1	0.0 %
LG34796	-	1	0.0 %
LG34797	-	1	0.0 %
LG34798	-	1	0.0 %
LG34799	-	1	0.0 %
LG34800	-	1	0.0 %
LG34801	-	1	0.0 %
LG34802	-	1	0.0 %
LG34803	-	1	0.0 %
LG34804	-	1	0.0 %
LG34805	-	1	0.0 %
LG34806	-	1	0.0 %
LG34807	-	1	0.0 %
LG34808	-	1	0.0 %
LG34809	-	1	0.0 %
LG34810	-	1	0.0 %
LG34811	-	1	0.0 %

Value	Label	Unweighted Frequency	%
LG34812	-	1	0.0 %
LG34813	-	1	0.0 %
LG34814	-	1	0.0 %
LG34815	-	1	0.0 %
LG34816	-	1	0.0 %
LG34817	-	1	0.0 %
LG34818	-	1	0.0 %
LG34819	-	1	0.0 %
LG34820	-	1	0.0 %
LG34821	-	1	0.0 %
LG34822	-	1	0.0 %
LG34823	-	1	0.0 %
LG34824	-	1	0.0 %
LG34825	-	1	0.0 %
LG34826	-	1	0.0 %
LG34827	-	1	0.0 %
LG34828	-	1	0.0 %
LG34829	-	1	0.0 %
LG34830	-	1	0.0 %
LG34831	-	1	0.0 %
LG34832	-	1	0.0 %
LG34833	-	1	0.0 %
LG34834	-	1	0.0 %
LG34835	-	1	0.0 %
LG34836	-	1	0.0 %
LG34837	-	1	0.0 %
LG34838	-	1	0.0 %
	Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Location: 3-23 (width: 21; decimal: 0)

Variable Type: character

#### **DATE\_SUBMITTED:** Date Submitted

Value	Label	Unweighted Frequency	%
01-APR-2016	-	27	0.6 %
01-MAR-2016	-	5	0.1 %

Value	Label	Unweighted Frequency	%
02-APR-2016	-	1	0.0 %
02-MAR-2016	-	413	9.6 %
02-MAR-2017	-	1	0.0 %
03-MAR-2016	-	75	1.7 %
04-APR-2016	-	49	1.1 %
04-MAR-2016	-	34	0.8 %
05-APR-2016	-	13	0.3 %
05-MAR-2016	-	2	0.0 %
06-MAR-2016	-	26	0.6 %
07-JUN-2016	-	2	0.0 %
07-MAR-2016	-	31	0.7 %
08-MAR-2016	-	4	0.1 %
09-MAR-2016	-	14	0.3 %
10-MAR-2016	-	4	0.1 %
11-MAR-2016	-	3	0.1 %
13-APR-2016	-	310	7.2 %
13-MAR-2016	-	4	0.1 %
14-APR-2016	-	289	6.7 %
14-JUN-2016	-	1	0.0 %
15-APR-2016	-	26	0.6 %
15-MAR-2016	-	16	0.4 %
16-FEB-2016	-	174	4.1 %
16-MAR-2016	-	464	10.8 %
17-FEB-2016	-	1	0.0 %
17-MAR-2016	-	85	2.0 %
17-NOV-2016	-	130	3.0 %
18-AUG-2016	-	137	3.2 %
18-MAR-2016	-	43	1.0 %
18-NOV-2016	-	10	0.2 %
19-AUG-2016	-	13	0.3 %
19-JUL-2016	-	92	2.1 %
19-MAR-2016	-	2	0.0 %
19-SEP-2016	-	1	0.0 %
20-JUL-2016	-	68	1.6 %
20-MAR-2016	-	39	0.9 %
21-FEB-2016	-	4	0.1 %
21-JUL-2016	-	5	0.1 %
21-JUN-2016	-	3	0.1 %
21-NOV-2016	-	8	0.2 %

Value	Label	Unweighted Frequency	%
21-SEP-2016	-	126	2.9 %
22-AUG-2016	-	12	0.3 %
22-FEB-2016	-	1	0.0 %
22-FEB-2017	-	110	2.6 %
22-JUL-2016	-	2	0.0 %
22-JUN-2016	-	130	3.0 %
22-MAR-2016	-	1	0.0 %
22-SEP-2016	-	30	0.7 %
23-FEB-2016	-	1	0.0 %
	Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Location: 24-34 (width: 11; decimal: 0)

Variable Type: character

#### **DATE\_POSTED:** Date Posted

Value	Label	Unweighted Frequency	%
01-MAR-2016	-	615	14.3 %
02-AUG-2016	-	347	8.1 %
02-SEP-2016	-	162	3.8 %
06-MAR-2017	-	143	3.3 %
06-OCT-2016	-	158	3.7 %
10-MAY-2016	-	625	14.6 %
13-APR-2016	-	661	15.4 %
15-APR-2016	-	648	15.1 %
17-JUN-2016	-	171	4.0 %
19-DEC-2016	-	149	3.5 %
23-MAR-2016	-	616	14.3 %
	Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Location: 35-45 (width: 11; decimal: 0)

Variable Type: character

#### **RESULT\_LEAD: Results Lead (PPB)**

%	Unweighted Frequency	Value
35.0 %	1503	0

Value	Label	Unweighted Frequency	%
1	-	475	11.1 %
2	-	603	14.0 %
3	-	378	8.8 %
4	-	257	6.0 %
5	-	164	3.8 %
6	-	122	2.8 %
7	-	107	2.5 %
8	-	78	1.8 %
9	-	58	1.4 %
10	-	60	1.4 %
11	-	38	0.9 %
12	-	43	1.0 %
13	-	26	0.6 %
14		27	0.6 %
15	-	17	0.4 %
16		20	0.5 %
17	-	21	0.5 %
18		12	0.3 %
19	-	12	0.3 %
20		12	0.3 %
21	-	14	0.3 %
22		16	0.4 %
23	-	8	0.2 %
24		7	0.2 %
25	-	5	0.1 %
26		7	0.2 %
27	-	5	0.1 %
28	-	3	0.1 %
29	-	4	0.1 %
30	-	10	0.2 %
31	-	6	0.1 %
32	-	3	0.1 %
33	-	6	0.1 %
34	-	5	0.1 %
35	-	3	0.1 %
36	-	2	0.0 %
37	-	3	0.1 %
38		7	0.2 %
39	-	4	0.1 %

Value	Label	Unweighted Frequency	%
40	-	1	0.0 %
41	-	5	0.1 %
42	-	5	0.1 %
43	-	6	0.1 %
44	-	6	0.1 %
45	-	1	0.0 %
47	-	1	0.0 %
48	-	1	0.0 %
49	-	2	0.0 %
50	-	2	0.0 %
	Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Mean: 11.64Median: 2.00Mode: 0.00Minimum: 0Maximum: 5986

• Standard Deviation: 123.39

Location: 46-50 (width: 5; decimal: 0)

Variable Type: numeric

#### **RESULT\_COPPER:** Results Copper (PPB)

Value	Label	Unweighted Frequency	%
0	-	2437	56.7 %
50	-	141	3.3 %
60	-	241	5.6 %
70	-	225	5.2 %
80	-	185	4.3 %
90	-	145	3.4 %
100	-	126	2.9 %
110	-	91	2.1 %
120	-	88	2.0 %
130	-	75	1.7 %
140	-	65	1.5 %
150	-	54	1.3 %
160	-	37	0.9 %
170		42	1.0 %

180 -   36 0.8 %     190 -   29 0.7 %     200 -   25 0.6 %     210 -   18 0.4 %     220 -   22 0.5 %     230 -   24 0.6 %     240 -   11 0.3 %     250 -   18 0.4 %     260 -   15 0.3 %     270 -   4 0.1 %     280 -   15 0.3 %     290 -   13 0.3 %     300 -   5 0.1 %     310 -   8 0.2 %     320 -   7 0.2 %     330 -   6 0.1 %     340 -   2 0.0 %     350 -   8 0.2 %     360 -   3 0.1 %     380 -   6 0.1 %     380 -   3 0.1 %     400 -   2 0.0 %     400 -   2 0.0 %     450 -   3 0.1 %     450 -   3 0.1 %     450 -   3 0.1 %     450 -   3 0.1 %     450 -   3 0.1 %     450 -   3 0.1 %     450 -   3 0.1 %     450 -   3 0.1 %     450 -   3 0.1 % <tr< th=""><th>Value</th><th>Label</th><th>Unweighted Frequency</th><th>%</th></tr<>	Value	Label	Unweighted Frequency	%
200 -   25 0.6%     210 -   18 0.4%     220 -   22 0.5%     230 -   24 0.6%     240 -   11 0.3%     250 -   18 0.4%     260 -   15 0.3%     270 -   4 0.1%     280 -   15 0.3%     290 -   13 0.3%     300 -   5 0.1%     310 -   8 0.2%     320 -   7 0.2%     330 -   6 0.1%     340 -   2 0.0%     350 -   8 0.2%     360 -   3 0.1%     370 -   4 0.1%     380 -   5 0.1%     390 -   3 0.1%     400 -   2 0.0%     410 -   4 0.1%     420 -   1 0.0%     450 -   3 0.1%     450 -   3 0.1%     450 -   2 0.0%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   2 0.0%     450 -   3 0.1%     450 -   3 0.1%     450 -   3	180	-	36	0.8 %
210   -   18   0.4 %     220   -   22   0.5 %     230   -   24   0.6 %     240   -   111   0.3 %     250   -   18   0.4 %     260   -   15   0.3 %     270   -   4   0.1 %     280   -   15   0.3 %     390   -   13   0.3 %     300   -   5   0.1 %     310   -   5   0.1 %     320   -   7   0.2 %     330   -   6   0.1 %     340   -   2   0.0 %     350   -   8   0.2 %     350   -   8   0.2 %     350   -   2   0.0 %     360   -   3   0.1 %     360   -   3   0.1 %     400   -   2   0.0 %     400   -   2   0.0 %     450   -   3	190	-	29	0.7 %
220 -     22 0.5%       230 -     24 0.6%       240 -     11 0.3%       250 -     18 0.4%       260 -     15 0.3%       260 -     15 0.3%       280 -     15 0.3%       290 -     13 0.3%       300 -     5 0.1%       310 -     8 0.2%       320 -     7 0.2%       330 -     6 0.1%       340 -     2 0.0%       350 -     8 0.2%       360 -     3 0.1%       370 -     4 0.1%       380 -     5 0.1%       390 -     3 0.1%       400 -     2 0.0%       410 -     4 0.1%       420 -     1 0.0%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       460 -     2 0.0%	200	-	25	0.6 %
230 -   24 0.6%     240 -   11 0.3%     250 -   18 0.4%     260 -   15 0.3%     270 -   4 0.1%     280 -   15 0.3%     300 -   13 0.3%     300 -   5 0.1%     310 -   8 0.2%     320 -   7 0.2%     330 -   6 0.1%     340 -   2 0.0%     350 -   8 0.2%     370 -   4 0.1%     380 -   3 0.1%     390 -   3 0.1%     400 -   2 0.0%     410 -   4 0.1%     420 -   1 0.0%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.	210	-	18	0.4 %
240 -     11 0.3%       250 -     18 0.4%       260 -     15 0.3%       270 -     4 0.1%       280 -     15 0.3%       290 -     13 0.3%       300 -     5 0.1%       310 -     8 0.2%       320 -     7 0.2%       330 -     6 0.1%       340 -     2 0.0%       350 -     8 0.2%       370 -     4 0.1%       380 -     3 0.1%       380 -     3 0.1%       400 -     2 0.0%       410 -     4 0.1%       420 -     1 0.0%       430 -     2 0.0%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       450 -     3 0.1%       50 -     3 0.1%	220	-	22	0.5 %
250     -     18     0.4%       260     -     15     0.3%       270     -     4     0.1%       280     -     15     0.3%       290     -     13     0.3%       300     -     5     0.1%       310     -     8     0.2%       320     -     7     0.2%       330     -     6     0.1%       340     -     2     0.0%       350     -     8     0.2%       360     -     3     0.1%       370     -     4     0.1%       380     -     3     0.1%       390     -     3     0.1%       400     -     2     0.0%       400     -     2     0.0%       430     -     3     0.1%       450     -     3     0.1%       450     -     3     0.1%       450 <t< td=""><td>230</td><td>-</td><td>24</td><td>0.6 %</td></t<>	230	-	24	0.6 %
260 -   15 0.3%     270 -   4 0.1%     280 -   15 0.3%     290 -   13 0.3%     300 -   5 0.1%     310 -   8 0.2%     320 -   7 0.2%     330 -   6 0.1%     340 -   2 0.0%     350 -   8 0.2%     360 -   3 0.1%     370 -   4 0.1%     380 -   3 0.1%     400 -   2 0.0%     410 -   2 0.0%     420 -   1 0.0%     430 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     450 -   3 0.1%     460 -   3 0.1%     500 -   3 0.1%     500 -   3 0.1%     540 -   1 0.0%<	240	-	11	0.3 %
270   4   0.1%     280   15   0.3%     290   13   0.3%     300   5   0.1%     310   8   0.2%     320   7   0.2%     330   6   0.1%     340   2   0.0%     350   8   0.2%     360   3   0.1%     370   4   0.1%     380   5   0.1%     390   4   0.1%     400   2   0.0%     410   4   0.1%     420   1   0.0%     430   3   0.1%     450   3   0.1%     460   2   0.0%     480   2   0.0%     490   3   0.1%     510   3   0.1%     540   2   0.0%     540   1   0.0%     560   2   0.0%     560   1   0.0%     560   1   0.0% <tr< td=""><td>250</td><td>-</td><td>18</td><td>0.4 %</td></tr<>	250	-	18	0.4 %
280 -   15 0.3%     290 -   13 0.3%     300 -   5 0.1%     310 -   8 0.2%     320 -   7 0.2%     330 -   6 0.1%     340 -   2 0.0%     350 -   8 0.2%     360 -   3 0.1%     370 -   4 0.1%     380 -   5 0.1%     390 -   3 0.1%     400 -   2 0.0%     410 -   4 0.1%     420 -   1 0.0%     430 -   3 0.1%     450 -   2 0.0%     480 -   2 0.0%     480 -   2 0.0%     480 -   2 0.0%     501 -   3 0.1%     501 -   3 0.1%     501 -   3 0.1%     501 -   3 0.1%     502 -   0.0%     503 -   2 0.0%     540 -   1 0.0%     580 -   2 0.0%     600 -   1 0.0%     640 -   1 0.0%	260	-	15	0.3 %
290   13   0.3%     300   5   0.1%     310   8   0.2%     320   7   0.2%     330   6   0.1%     340   2   0.0%     350   8   0.2%     360   3   0.1%     370   4   0.1%     380   5   0.1%     390   3   0.1%     400   2   0.0%     410   4   0.1%     420   1   0.0%     430   3   0.1%     450   3   0.1%     460   2   0.0%     480   2   0.0%     490   3   0.1%     510   3   0.1%     530   2   0.0%     540   1   0.0%     580   2   0.0%     600   1   0.0%     600   1   0.0%     600   1   0.0%	270	-	4	0.1 %
300   5   0.1%     310   8   0.2%     320   7   0.2%     330   6   0.1%     340   2   0.0%     350   8   0.2%     360   3   0.1%     370   4   0.1%     380   5   0.1%     390   3   0.1%     400   2   0.0%     410   4   0.1%     420   1   0.0%     430   3   0.1%     450   3   0.1%     460   2   0.0%     480   2   0.0%     480   3   0.1%     510   3   0.1%     530   2   0.0%     540   1   0.0%     580   2   0.0%     600   1   0.0%     600   1   0.0%     600   1   0.0%	280	-	15	0.3 %
310   -   8   0.2%     320   -   7   0.2%     330   -   6   0.1%     340   -   2   0.0%     350   -   8   0.2%     360   -   3   0.1%     370   -   4   0.1%     380   -   5   0.1%     390   -   3   0.1%     400   -   2   0.0%     410   -   4   0.1%     420   -   1   0.0%     430   -   3   0.1%     450   -   3   0.1%     460   -   2   0.0%     480   -   2   0.0%     490   -   3   0.1%     510   -   3   0.1%     530   -   2   0.0%     540   -   1   0.0%     580   -   2   0.0%     600   -   1   0.0%	290	-	13	0.3 %
320 -   7 0.2%     330 -   6 0.1%     340 -   2 0.0%     350 -   8 0.2%     360 -   3 0.1%     370 -   4 0.1%     380 -   5 0.1%     390 -   3 0.1%     400 -   2 0.0%     410 -   4 0.1%     420 -   1 0.0%     430 -   3 0.1%     450 -   3 0.1%     460 -   2 0.0%     480 -   2 0.0%     490 -   3 0.1%     510 -   3 0.1%     530 -   2 0.0%     540 -   1 0.0%     580 -   2 0.0%     600 -   1 0.0%     640 -   1 0.0%	300	-	5	0.1 %
330 -   6 0.1%     340 -   2 0.0%     350 -   8 0.2%     360 -   3 0.1%     370 -   4 0.1%     380 -   5 0.1%     390 -   3 0.1%     400 -   2 0.0%     410 -   4 0.1%     420 -   1 0.0%     430 -   3 0.1%     450 -   3 0.1%     460 -   2 0.0%     480 -   2 0.0%     490 -   3 0.1%     510 -   3 0.1%     530 -   2 0.0%     540 -   1 0.0%     580 -   2 0.0%     600 -   1 0.0%     640 -   1 0.0%	310	-	8	0.2 %
340 -   2 0.0%     350 -   8 0.2%     360 -   3 0.1%     370 -   4 0.1%     380 -   5 0.1%     390 -   3 0.1%     400 -   2 0.0%     410 -   4 0.1%     420 -   1 0.0%     430 -   3 0.1%     450 -   3 0.1%     460 -   2 0.0%     480 -   2 0.0%     490 -   3 0.1%     510 -   3 0.1%     530 -   2 0.0%     540 -   1 0.0%     580 -   2 0.0%     600 -   1 0.0%     640 -   1 0.0%	320	-	7	0.2 %
350 -   8 0.2%     360 -   3 0.1%     370 -   4 0.1%     380 -   5 0.1%     390 -   3 0.1%     400 -   2 0.0%     410 -   4 0.1%     420 -   1 0.0%     430 -   3 0.1%     450 -   3 0.1%     460 -   2 0.0%     480 -   2 0.0%     490 -   3 0.1%     510 -   3 0.1%     530 -   2 0.0%     540 -   1 0.0%     580 -   2 0.0%     600 -   1 0.0%     640 -   1 0.0%	330	-	6	0.1 %
360 -   3 0.1 %     370 -   4 0.1 %     380 -   5 0.1 %     390 -   3 0.1 %     400 -   2 0.0 %     410 -   4 0.1 %     420 -   1 0.0 %     430 -   3 0.1 %     450 -   3 0.1 %     460 -   2 0.0 %     480 -   2 0.0 %     490 -   3 0.1 %     510 -   3 0.1 %     530 -   2 0.0 %     540 -   1 0.0 %     580 -   2 0.0 %     600 -   1 0.0 %     640 -   1 0.0 %	340	-	2	0.0 %
370   -   4   0.1 %     380   -   5   0.1 %     390   -   3   0.1 %     400   -   2   0.0 %     410   -   4   0.1 %     420   -   1   0.0 %     430   -   3   0.1 %     450   -   3   0.1 %     460   -   2   0.0 %     480   -   2   0.0 %     490   -   3   0.1 %     510   -   3   0.1 %     530   -   2   0.0 %     540   -   1   0.0 %     580   -   2   0.0 %     600   -   1   0.0 %     640   -   1   0.0 %	350	-	8	0.2 %
380 -   5 0.1%     390 -   3 0.1%     400 -   2 0.0%     410 -   4 0.1%     420 -   1 0.0%     430 -   3 0.1%     450 -   3 0.1%     460 -   2 0.0%     480 -   2 0.0%     490 -   3 0.1%     510 -   3 0.1%     530 -   2 0.0%     540 -   1 0.0%     580 -   2 0.0%     600 -   1 0.0%     640 -   1 0.0%	360	-	3	0.1 %
390   3   0.1 %     400   -   2   0.0 %     410   -   4   0.1 %     420   -   1   0.0 %     430   -   3   0.1 %     450   -   3   0.1 %     460   -   2   0.0 %     480   -   2   0.0 %     490   -   3   0.1 %     510   -   3   0.1 %     530   -   2   0.0 %     540   -   1   0.0 %     580   -   2   0.0 %     600   -   1   0.0 %     640   -   1   0.0 %	370	-	4	0.1 %
400 -   2 0.0 %     410 -   4 0.1 %     420 -   1 0.0 %     430 -   3 0.1 %     450 -   3 0.1 %     460 -   2 0.0 %     480 -   2 0.0 %     490 -   3 0.1 %     510 -   3 0.1 %     530 -   2 0.0 %     540 -   1 0.0 %     580 -   2 0.0 %     600 -   1 0.0 %     640 -   1 0.0 %	380	-	5	0.1 %
410   -   4   0.1 %     420   -   1   0.0 %     430   -   3   0.1 %     450   -   3   0.1 %     460   -   2   0.0 %     480   -   2   0.0 %     510   -   3   0.1 %     530   -   3   0.1 %     540   -   1   0.0 %     580   -   2   0.0 %     600   -   1   0.0 %     640   -   1   0.0 %	390	-	3	0.1 %
420 -   1 0.0 %     430 -   3 0.1 %     450 -   3 0.1 %     460 -   2 0.0 %     480 -   2 0.0 %     490 -   3 0.1 %     510 -   3 0.1 %     530 -   2 0.0 %     540 -   1 0.0 %     600 -   1 0.0 %     640 -   1 0.0 %	400	-	2	0.0 %
430   -   3   0.1 %     450   -   3   0.1 %     460   -   2   0.0 %     480   -   2   0.0 %     490   -   3   0.1 %     510   -   3   0.1 %     530   -   2   0.0 %     540   -   1   0.0 %     600   -   1   0.0 %     640   -   1   0.0 %	410	-	4	0.1 %
450 -   3 0.1 %     460 -   2 0.0 %     480 -   2 0.0 %     490 -   3 0.1 %     510 -   3 0.1 %     530 -   2 0.0 %     540 -   1 0.0 %     600 -   1 0.0 %     640 -   1 0.0 %	420	-	1	0.0 %
460   -     480   -     490   -     510   -     530   -     540   -     580   -     600   -     640   -     1   0.0 %     640   -	430	-	3	0.1 %
480 -   2 0.0 %     490 -   3 0.1 %     510 -   3 0.1 %     530 -   2 0.0 %     540 -   1 0.0 %     580 -   2 0.0 %     600 -   1 0.0 %     640 -   1 0.0 %	450	-	3	0.1 %
490   -     510   -     530   -     540   -     580   -     600   -     640   -     1   0.0 %     640   -	460	-	2	0.0 %
510 -   3 0.1 %     530 -   2 0.0 %     540 -   1 0.0 %     580 -   2 0.0 %     600 -   1 0.0 %     640 -   1 0.0 %	480	-	2	0.0 %
530   -     540   -     580   -     600   -     640   -     1   0.0 %     0   0.0 %     0   0.0 %	490	-	3	0.1 %
540 -   1 0.0 %     580 -   2 0.0 %     600 -   1 0.0 %     640 -   1 0.0 %	510	-	3	0.1 %
580   -     600   -     640   -     1   0.0 %     0.0 %	530		2	0.0 %
600 -   640 -   1 0.0 %   1 0.0 %	540	-	1	0.0 %
640 - 1 0.0 %	580	-	2	0.0 %
	600	-	1	0.0 %
Total 4,295 100%	640			
		Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Mean: 64.13Median: 0.00Mode: 0.00Minimum: 0Maximum: 11650

• Standard Deviation: 235.59

Location: 51-56 (width: 6; decimal: 0)

Variable Type: numeric

#### **ADDRESS: Address**

Value	Label	Unweighted Frequency	%
1026 MAXINE ST	-	2	0.0 %
1108 LIPPINCOTT BLVD	-	1	0.0 %
1109 NELSON ST	-	1	0.0 %
1117 SOUTH DR	-	2	0.0 %
1206 BLANCHARD AVE	-	1	0.0 %
1209 NEUBERT AVE	-	2	0.0 %
1220 AVENUE B	-	2	0.0 %
1233 WASHINGTON AVE	-	2	0.0 %
1297 KEARSLEY PK BLVD	-	2	0.0 %
1351 N BALLENGER HWY	-	2	0.0 %
1379 WASHINGTON AVE	-	2	0.0 %
139 GREEN ST	-	2	0.0 %
1402 WALDMAN AVE	-	2	0.0 %
1410 BLUEBERRY LN	-	2	0.0 %
1514 WELCH BLVD	-	2	0.0 %
1523 PINGREE AVE	-	1	0.0 %
1613 PARK ST	-	2	0.0 %
1614 PARK ST	-	2	0.0 %
1617 PARK ST	-	2	0.0 %
1618 WOODSLEA DR	-	2	0.0 %
1626 BROOKSIDE DR	-	2	0.0 %
1626 HUGHES AVE	-	2	0.0 %
1629 PONTIAC ST	-	2	0.0 %
1704 PARK ST	-	2	0.0 %
1712 PARK ST	-	1	0.0 %
1713 ARIZONA AVE	-	2	0.0 %
1713 PARK ST	-	2	0.0 %

Value	Label	Unweighted Frequency	%
1726 WALNUT CREEK	-	1	0.0 %
1726 WALNUT CREEK DR	-	1	0.0 %
1810 KANSAS AVE	-	2	0.0 %
1907 MONTCLAIR AVE	-	2	0.0 %
1915 COPEMAN BLVD	-	2	0.0 %
1920 GLENDALE AVE	-	2	0.0 %
202 OLIVER ST	-	2	0.0 %
2030 E COURT ST	-	2	0.0 %
2041 CHURCH ST	-	2	0.0 %
210 GREEN ST	-	2	0.0 %
2120 WINDEMERE AVE	-	2	0.0 %
214 E LIVINGSTON DR	-	2	0.0 %
2233 MT ELLIOT AVE	-	1	0.0 %
2233 MT ELLIOTT AVE	-	1	0.0 %
2305 JOLIET ST	-	2	0.0 %
2309 LEITH ST	-	2	0.0 %
2317 BROOKSIDE DR	-	2	0.0 %
2319 CALUMET ST	-	2	0.0 %
2326 COPEMAN BLVD	-	2	0.0 %
2332 COPEMAN BLVD	-	2	0.0 %
2401 HILLS ST	-	2	0.0 %
2402 COPEMAN BLVD	-	1	0.0 %
2405 SLOAN ST	-	2	0.0 %
	Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Location: 57-79 (width: 23; decimal: 0)

Variable Type: character

#### **CITY: City**

Value	Label	Unweighted Frequency	%
FLINT		4295	100.0 %
	Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Location: 80-84 (width: 5; decimal: 0)

Variable Type: character

#### **ZIP\_CODE: Zip Code**

Value	Label	Unweighted Frequency	%
48502	-	18	0.4 %
48503	-	1587	36.9 %
48504	-	1059	24.7 %
48505	-	593	13.8 %
48506	-	267	6.2 %
48507	-	640	14.9 %
48522	-	1	0.0 %
48532	-	130	3.0 %
	Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Mean: 48505.18Median: 48504.00Mode: 48503.00Minimum: 48502Maximum: 48532

• Standard Deviation: 4.95

Location: 85-90 (width: 6; decimal: 0)

Variable Type: numeric

#### **SITE\_CODE: Site Code**

Value	Label	Unweighted Frequency	%
FS000 1	- -	5	0.1 %
FS000 2	-	5	0.1 %
FS000 4	_	5	0.1 %
FS000 5	-	5	0.1 %
FS000 7	_	3	0.1 %
FS001 2	-	12	0.3 %
FS001 3	_	5	0.1 %
FS001 4		5	0.1 %
FS001 7	-	1	0.0 %

Value	Label	Unweighted Frequency	%
FS001 8	-	5	0.1 %
FS002 2	-	5	0.1 %
FS002 3	_	3	0.1 %
FS002 5	-	5	0.1 %
FS002 7	-	5	0.1 %
FS002 8	-	5	0.1 %
FS002 9	-	5	0.1 %
FS003 0	-	5	0.1 %
FS003 4		4	0.1 %
FS003 5	-	5	0.1 %
FS003 6		3	0.1 %
FS003 7	-	5	0.1 %
FS003 9		1	0.0 %
FS004 0	-	5	0.1 %
FS004 1		5	0.1 %
FS004 4	-	12	0.3 %
FS004 5		4	0.1 %
FS004 6	-	12	0.3 %
FS004 9		5	0.1 %
FS005 0	-	4	0.1 %
FS005 2		12	0.3 %
FS005 4		6	0.1 %
FS005 5		3	0.1 %

Value	Label	Unweighted Frequency	%
FS005 6	-	5	0.1 %
FS005 7	-	5	0.1 %
FS006 1		5	0.1 %
FS006 3	-	5	0.1 %
FS007 4	-	5	0.1 %
FS007 5	-	5	0.1 %
FS007 7	-	5	0.1 %
FS007 9	-	5	0.1 %
FS008 4	-	11	0.3 %
FS008 6	-	10	0.2 %
FS008 7	-	5	0.1 %
FS008 8	-	1	0.0 %
FS009	-	4	0.1 %
FS009	-	5	0.1 %
FS009 6	-	5	0.1 %
FS009 7	-	5	0.1 %
FS010 1	-	4	0.1 %
FS010 2	-	2	0.0 %
	Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Location: 91-96 (width: 6; decimal: 0)

Variable Type: character

#### **SERVICE\_LINE\_MATERIAL:** Service Line Material

Value	Label	Unweighted Frequency	%
Copper	-	2586	60.2 %
Galvanized	-	685	15.9 %
Lead	-	852	19.8 %
Other	-	16	0.4 %
Plastic	-	10	0.2 %
Unknown	-	146	3.4 %
	Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Location: 97-106 (width: 10; decimal: 0)

Variable Type: character

## SAMPLE\_LOCATION: Sample Location

Value	Label	Unweighted Frequency	%
	-	650	15.1 %
AFTER WHOLE HOUSE FILTER	-	1	0.0 %
BASEMENT	-	2	0.0 %
BASEMENT BY PASS FOR HOUSE FILTER	-	1	0.0 %
BASEMENT FAUCET WITHOUT FILTER	-	1	0.0 %
BASEMENT SINK	-	1	0.0 %
BATHROOM	-	558	13.0 %
BATHROOM (2)	-	1	0.0 %
BATHROOM 1	-	1	0.0 %
BATHROOM HOT WATER	-	1	0.0 %
BATHROOM UPSTAIRS	-	2	0.0 %
BATHROOM WITH FILTER	-	2	0.0 %
BATHROOM WITHOUT	-	1	0.0 %
BATHROOM WITHOUT FAUCET FILTER	-	5	0.1 %
BATHROOM WITHOUT FILTER	-	97	2.3 %
KIT W/O FAUCET FILTER, WHOLE HOUSE FILTR	-	1	0.0 %
KITCEHN	-	1	0.0 %
KITCHEN	-	2490	58.0 %
KITCHEN - NO FILTER	-	1	0.0 %
KITCHEN BATHROOM	-	1	0.0 %
KITCHEN BYPASSED FILTER	-	1	0.0 %
KITCHEN WIHTOUT FILTER	-	1	0.0 %
KITCHEN WITH FILTER	-	42	1.0 %
KITCHEN WITHOUT	-	2	0.0 %
KITCHEN WITHOUT FAUCET FILTER	-	14	0.3 %

Value	Label	Unweighted Frequency	%
KITCHEN WITHOUT FILER	-	1	0.0 %
KITCHEN WITHOUT FILTER	-	396	9.2 %
KITCHEN WITHOUT FILTER, * WHOLE HOUSE FI	-	1	0.0 %
KITCHEN/BATHROOM	-	1	0.0 %
KITHCEN WITH FILTER	-	1	0.0 %
KITHCEN WITHOUT FILTER	-	2	0.0 %
KTICHEN WITHOUT FAUCET FILTER	-	1	0.0 %
LAUNDRY SINK	-	1	0.0 %
MAIN BATHROOM	-	1	0.0 %
MAIN LINE	-	1	0.0 %
MASTER BATHROOM	-	1	0.0 %
POINT OF ENTRY	-	1	0.0 %
SERVICE LINE IN BASEMENT	-	1	0.0 %
UPSTAIRS BATHROOM WITHOUT FILTER	-	1	0.0 %
WITH FILTER	-	1	0.0 %
WITHOUT A FILTER	-	2	0.0 %
WITHOUT FILTER	-	4	0.1 %
	Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Location: 107-146 (width: 40; decimal: 0)

Variable Type: character

#### **SERVICE\_LINE\_SOURCE: Service Line Source**

Value	Label	Unweighted Frequency	%
	-	16	0.4 %
DNR QAQC	-	2	0.0 %
Field Check	-	1262	29.4 %
Field Checked	-	450	10.5 %
Not Listed in Data	-	2540	59.1 %
UM Flint	-	25	0.6 %
	Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Location: 147-164 (width: 18; decimal: 0)

Variable Type: character

#### **SENTINEL\_GROUP\_NUMBER: Sentinel Group Number**

Value	Label	Unweighted Frequency	%
1	-	615	14.3 %
2	-	616	14.3 %
3	-	661	15.4 %
4	-	648	15.1 %
5	-	625	14.6 %
	Missing Data		
	-	1130	26.3 %
	Total	4,295	100%

Based upon 3,165 valid cases out of 4,295 total cases.

Mean: 3.02Median: 3.00Mode: 3.00Minimum: 1Maximum: 5

• Standard Deviation: 1.40

Location: 165-166 (width: 2; decimal: 0)

Variable Type: numeric

#### **SENTINELROUND: Sentinel Round**

Value	Label	Unweighted Frequency	%
	-	3165	73.7 %
ES2	-	180	4.2 %
ES3	-	167	3.9 %
ES4	-	162	3.8 %
ES5	-	158	3.7 %
ES6	-	149	3.5 %
ES7	-	143	3.3 %
X1	-	171	4.0 %
	Total	4,295	100%

Based upon 4,295 valid cases out of 4,295 total cases.

Location: 167-169 (width: 3; decimal: 0)

Variable Type: character