

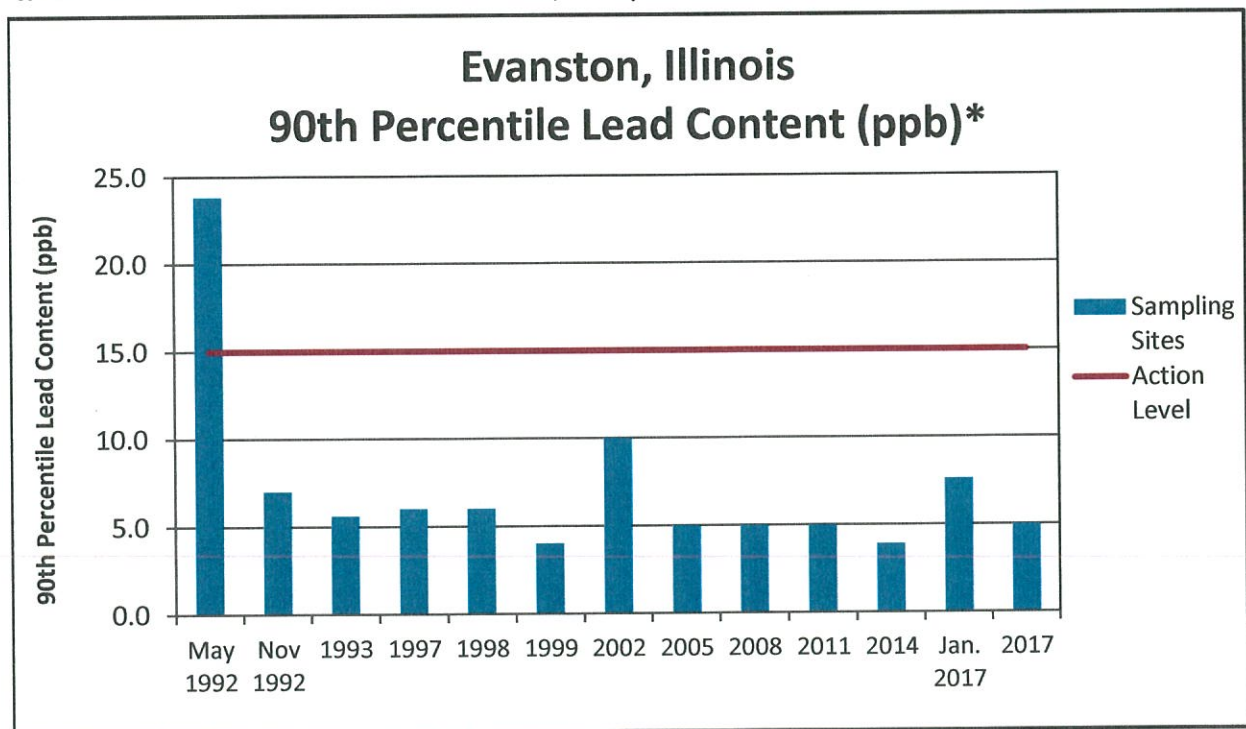
**CITY OF EVANSTON, ILLINOIS
WATER QUALITY DATA**

HISTORICAL LEAD SAMPLING RESULTS

There is no detectable lead in the water produced by the City of Evanston’s water treatment plant. Lead enters the water from lead solder and/or lead pipes in water services or through plumbing fixtures. To minimize lead contamination resulting from corrosion, the Environmental Protection Agency (EPA) established a lead Action Level of 15 parts per billion (ppb) in 1992.

The 90th percentile result of samples analyzed for lead content in homes with lead pipes must be less than the Action Level of 15 ppb. Evanston performs lead sampling every three years in compliance with state law. Sampling performed in May 1992 shows a 90th percentile lead concentration of 24 ppb, meaning 90% of samples were at or below 24 ppb. Samples taken in November 1992, after Evanston began feeding blended phosphate to the water to inhibit pipe corrosion, show a 90th

In the most recent compliance samples taken in June and July of 2017, Evanston sampled water from 30 homes with lead service lines and all results were below the Action Level. The 90th percentile level for lead in these samples is 5.0 ppb. In January 2017 fourteen additional voluntary samples were taken. All results were below the action level, 90th percentile was 7.6 ppb.



* Of water samples taken from homes with lead service lines, 90% had lead levels at or below the level shown for each year.

City of Evanston, Illinois
Lead Monitoring Results
Monitoring Period: May 1992

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
1	LP1C029	<3.00
2	LP1C024	<3.00
3	LP1A031	<3.00
4	LP1C040	<3.00
5	LP1C059	<3.00
6	LP1C003	<3.00
7	LP1C032	4.00
8	LP1A034	4.00
9	LP1C035	4.30
10	LP1C047	4.60
11	LP1A037	4.70
12	LP1C019	4.90
13	LA1C129	5.80
14	LP1C022	6.40
15	LP1C015	6.40
16	LP1C050	6.70
17	LP1C036	6.90
18	LP1C014	7.00
19	LA1C062	7.10
20	LP1C007	7.20
21	LP1C033	7.30
22	LP1C057	8.30
23	LA1C134	9.00
24	LA1C074	9.00
25	LP1C054	9.10
26	LP1C002	9.30
27	LP1C028	9.70
28	LP1C052	10.50
29	LP1C001	10.60
30	LP1C023	10.70
31	LP1C020	10.80
32	LP1C016	11.10
33	LP1C046	11.50
34	LA1C075	11.70
35	LP1C018	12.20
36	LA1C068	12.40
37	LP1C038	12.40
38	LP1C011	12.60
39	LP1C030	13.10

City of Evanston, Illinois
Lead Monitoring Results
Monitoring Period: May 1992

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
40	LA1C133	14.10
41	LA1C061	14.70
42	LP1C005	14.80
43	LA1C089	15.00
44	LA1C076	15.30
45	LP1C021	16.20
46	LP1C053	18.50
47	LA1C063	18.50
48	LA1C085	18.90
49	LP1C009	19.90
50	LP1C049	21.20
51	LA1C118	21.70
52	LP1C039	21.70
53	LP1C006	22.40
54	LA1C081	23.80
55	LP1C051	25.00
56	LP1C012	27.80
57	LP1C013	29.50
58	LP1A043	40.60
59	LP1C008	48.40
60	LP1C055	186.00

CALCULATION OF 90TH PERCENTILE

60 samples x 0.90 (90th percentile) = 54

90th percentile sample (number 54) result = 23.80 ppb lead

City of Evanston, Illinois
Lead Monitoring Results
Monitoring Period: November 1992

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
1	LP1C029	0.7
2	LP1C024	0.8
3	LP1A031	0.8
4	LP1C032	1.0
5	LP1C011	1.0
6	LP1C040	1.0
7	LP1A043	1.0
8	LP1A034	1.0
9	LP1C053	1.0
10	LP1C047	1.3
11	LA1C129	1.3
12	LP1C035	1.5
13	LP1C019	1.8
14	LA1C076	2.0
15	LP1C008	2.0
16	LA1C089	2.0
17	LP1A037	2.0
18	LP1C030	2.0
19	LA1C081	2.0
20	LP1C059	2.1
21	LP1C022	2.1
22	LP1C003	2.2
23	LP1C020	2.3
24	LP1C023	2.3
25	LP1C028	2.3
26	LP1C014	2.5
27	LP1C046	2.6
28	LP1C054	2.7
29	LP1C007	2.8
30	LP1C015	2.9
31	LA1C068	3.0
32	LP1C055	3.0
33	LA1C062	3.2
34	LP1C052	3.2
35	LA1C134	3.3
36	LP1C036	3.6
37	LP1C033	3.6
38	LP1C050	3.7
39	LP1C021	3.9

City of Evanston, Illinois
Lead Monitoring Results
Monitoring Period: November 1992

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
40	LP1C049	4.0
41	LP1C057	4.0
42	LA1C074	4.0
43	LP1C051	4.0
44	LP1C016	4.2
45	LA1C085	4.4
46	LA1C075	4.4
47	LP1C009	4.9
48	LA1C133	5.0
49	LP1C013	5.5
50	LA1C118	6.0
51	LA1C063	6.0
52	LP1C038	6.0
53	LP1C001	6.8
54	LP1C002	7.0
55	LP1C039	7.0
56	LP1C018	7.0
57	LP1C006	8.0
58	LA1C061	8.0
59	LP1C012	9.0
60	LP1C005	10.7

CALCULATION OF 90TH PERCENTILE

60 samples x 0.90 (90th percentile) = 54

90th percentile sample (number 54) result = 7.0 ppb lead

City of Evanston, Illinois
Lead Monitoring Results
Monitoring Period: June 1993

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
1	LP1C025	<5
2	LP1C038	<5
3	LP1C019	<5
4	LA1C134	<5
5	LP1A043	<5
6	LP1C023	<5
7	LP1C003	<5
8	LP1C011	<5
9	LP1C013	<5
10	LA1C063	<5
11	LA1C068	<5
12	LP1C006	<5
13	LA1C129	<5
14	LA1C062	<5
15	LP1A031	<5
16	LP1C050	<5
17	LP1C007	<5
18	LA1C074	<5
19	LA1C076	<5
20	LP1C052	<5
21	LP1C030	<5
22	LP1C028	<5
23	LP1C055	<5
24	LP1C005	<5
25	LP1C021	<5
26	LP1C053	<5
27	LP1C040	<5
28	LA1C133	<5
29	LP1C044	<5
30	LP1C047	<5
31	LP1C032	<5
32	LA1C084	<5
33	LP1C058	<5
34	LP1C033	<5
35	LA1C083	<5
36	LA1C075	<5
37	LA1C118	<5
38	LA1C089	<5
39	LP1C016	<5

**City of Evanston, Illinois
Lead Monitoring Results
Monitoring Period: June 1993**

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
40	LP1C002	<5
41	LP1C029	<5
42	LA1C070	<5
43	LP1C015	<5
44	LA1C081	<5
45	LA1C061	<5
46	LP1C024	<5
47	LP1C022	<5
48	LP1C009	<5
49	LP1C051	<5
50	LP1C014	<5
51	LP1C046	<5
52	LP1C010	<5
53	LP1C018	5.0
54	LP1C008	5.1
55	LA1C078	5.6
56	LA1C065	5.6
57	LP1C049	5.7
58	LP1C012	5.7
59	LP1C020	5.7
60	LP1A037	6.2
61	LP1A034	6.6
62	LP1C036	7.7
63	LP1C001	9.6
64	LP1C057	*
65	LP1C039	*
66	LA1C085	*
67	LP1C059	*
68	LP1C035	*
69	LP1C054	*

CALCULATION OF 90TH PERCENTILE

63 samples x 0.90 (90th percentile) = 56

90th percentile sample (number 56) result = 5.6 ppb lead

* Location not sampled this period

**City of Evanston, Illinois
Lead Monitoring Results
Monitoring Period: October 1997**

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
1	LA1C061	<5
2	LA1C062	<5
3	LA1C068	<5
4	LA1C076	<5
5	LA1C078	<5
6	LA1C085	<5
7	LA1C088	<5
8	LA1C089	<5
9	LA1C091	<5
10	LA1C093	<5
11	LA1C094	<5
12	LA1C098	<5
13	LA1C102	<5
14	LA1C103	<5
15	LA1C111	<5
16	LA1C118	<5
17	LA1C125	<5
18	LA1C129	<5
19	LA1C133	<5
20	LP1A031	<5
21	LP1C003	<5
22	LP1C006	<5
23	LP1C009	<5
24	LP1C013	<5
25	LP1C014	<5
26	LP1C016	<5
27	LP1C018	<5
28	LP1C019	<5
29	LP1C021	<5
30	LP1C022	<5
31	LP1C024	<5
32	LP1C025	<5
33	LP1C029	<5
34	LP1C032	<5
35	LP1C033	<5
36	LP1C036	<5
37	LP1C038	<5
38	LP1C040	<5
39	LP1C046	<5

**City of Evanston, Illinois
Lead Monitoring Results
Monitoring Period: October 1997**

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
40	LP1C047	<5
41	LP1C049	<5
42	LP1C050	<5
43	LP1C051	<5
44	LP1C052	<5
45	LP1C053	<5
46	LP1C059	<5
47	LA1C092	5
48	LA1C007	5
49	LA1C063	6
50	LA1C075	6
51	LA1C084	6
52	LA1C087	6
53	LA1C128	6
54	LP1C010	6
55	LP1C020	6
56	LP1C057	6
57	LA1C065	8
58	LP1C023	8
59	LA1C112	9
60	LP1C001	9

CALCULATION OF 90TH PERCENTILE

60 samples x 0.90 (90th percentile) = 54

90th percentile sample (number 54) result = 6 ppb lead

**City of Evanston, Illinois
Lead Monitoring Results
Reduced Monitoring Period: June - September 1998**

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
1	LA1C061	<5
2	LP1C033	<5
3	LP1C020	<5
4	LP1C022	<5
5	LP1C025	<5
6	LP1C029	<5
7	LP1C036	<5
8	LA1C129	<5
9	LP1C040	<5
10	LP1C047	<5
11	LP1C050	<5
12	LP1C052	<5
13	LP1C013	<5
14	LA1C103	<5
15	LA1C062	<5
16	LA1C102	<5
17	LA1C098	<5
18	LA1C068	<5
19	LA1C075	<5
20	LA1C076	<5
21	LA1C078	<5
22	LP1C053	<5
23	LA1C088	<5
24	LA1C091	<5
25	LA1C092	<5
26	LA1C093	<5
27	LA1C084	6
28	LA1C087	6
29	LP1C051	7
30	LP1C023	8

CALCULATION OF 90TH PERCENTILE

30 samples x 0.90 (90th percentile) = 27

90th percentile sample (number 27) result = 6 ppb lead

City of Evanston, Illinois
Lead Monitoring Results
Reduced Monitoring Period: June - September 1999

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
1	LAIC 062	<1
2	LAIC 068	<1
3	LAIC 093	<1
4	LPIC 047	<1
5	LPIC 013	1
6	LAIC 075	2
7	LAIC 076	2
8	LAIC 078	2
9	LAIC 084	2
10	LAIC 092	2
11	LAIC 098	2
12	LAIC 103	2
13	LAIC 129	2
14	LPIC 022	2
15	LPIC 025	2
16	LPIC 029	2
17	LPIC 036	2
18	LPIC 040	2
19	LPIC 051	2
20	LPIC 052	2
21	LPIC 053	2
22	LAIC 061	3
23	LAIC 091	3
24	LPIC 023	3
25	LPIC 033	3
26	LPIC 050	3
27	LAIC 087	4
28	LAIC 088	4
29	LAIC 102	4
30	LPIC 020	4

CALCULATION OF 90TH PERCENTILE

30 samples x 0.90 (90th percentile) = 27

90th percentile sample (number 27) result = 4 ppb lead

City of Evanston, Illinois
Lead Monitoring Results
Reduced Monitoring Period: June - September 2002

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
1	LAIC076	<1
2	LPIC024	<1
3	LPIC046	<1
4	LAIC088	1
5	LPIA031	1
6	LPIC003	1
7	LAIC085	2
8	LPIC007	2
9	LPIC036	2
10	LPIC038	2
11	LAIC068	3
12	LAIC091	3
13	LAIC098	3
14	LPIC001	3
15	LPIC020	3
16	LPIC023	3
17	LPIC057	3
18	LAIC092	4
19	LPIC029	4
20	LPIC050	4
21	LPIC051	4
22	LAIC078	5
23	LAIC094	5
24	LPIC010	5
25	LPIC047	5
26	LAIC103	9
27	LAIC102	10
28	LPIC013	10
29	LPIC052	12
30	LAIC062	14

CALCULATION OF 90TH PERCENTILE

30 samples x 0.90 (90th percentile) = 27

90th percentile sample (number 27) result = 10 ppb lead

City of Evanston, Illinois
Lead Monitoring Results
Reduced Monitoring Period: June - September 2005

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
1	LAIC061	<5
2	LAIC062	<5
3	LAIC068	<5
4	LAIC078	<5
5	LAIC085	<5
6	LAIC091	<5
7	LAIC092	<5
8	LAIC093	<5
9	LAIC094	<5
10	LAIC098	<5
11	LAIC102	<5
12	LAIC103	<5
13	LPIC031	<5
14	LPIC007	<5
15	LPIC013	<5
16	LPIC020	<5
17	LPIC023	<5
18	LPIC024	<5
19	LPIC025	<5
20	LPIC029	<5
21	LPIC036	<5
22	LPIC040	<5
23	LPIC046	<5
24	LPIC047	<5
25	LPIC050	<5
26	LPIC052	<5
27	LPIC057	<5
28	LPIC076	<5
29	LPIC051	5.1
30	LPIC055	5.8

CALCULATION OF 90TH PERCENTILE

30 samples x 0.90 (90th percentile) = 27

90th percentile sample (number 27) result = <5 ppb lead

City of Evanston, Illinois
Lead Monitoring Results
Reduced Monitoring Period: June - September 2008

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
1	LAIC061	<5
2	LPIC051	<5
3	LAIC068	<5
4	LAIC074	<5
5	LAIC0101	<5
6	LAIC091	<5
7	LAIC092	<5
8	LAIC093	<5
9	LAIC094	<5
10	LAIC098	<5
11	LAIC102	<5
12	LAIC103	<5
13	LAIC100	<5
14	LAIC130	<5
15	LPIC013	<5
16	LPIC020	<5
17	LPIC023	<5
18	LPIC024	<5
19	LPIC025	<5
20	LPIC029	<5
21	LPIC036	<5
22	LPIC040	<5
23	LPIC010	<5
24	LPIC047	<5
25	LPIC053	<5
26	LPIC076	<5
27	LPIC057	<5
28	LAIC062	5.7
29	LPIC050	6.1
30	LAIC078	9.4

CALCULATION OF 90TH PERCENTILE

30 samples x 0.90 (90th percentile) = 27

90th percentile sample (number 27) result = <5 ppb lead

Note: Sorted by lead results

City of Evanston, Illinois
Lead Monitoring Results
Reduced Monitoring Period: June - September 2011

Samples sorted by increasing lead content.

Sample #	Site #	Lead (ppb)
1	LA1C061	<5
2	LA1C062	<5
3	LA1C068	<5
4	LA1C074	<5
5	LA1C091	<5
6	LA1C092	<5
7	LA1C093	<5
8	LA1C094	<5
9	LA1C098	<5
10	LA1C100	<5
11	LA1C101	<5
12	LA1C102	<5
13	LA1C103	<5
14	LA1C130	<5
15	LP1C010	<5
16	LP1C013	<5
17	LP1C022	<5
18	LP1C023	<5
19	LP1C024	<5
20	LP1C025	<5
21	LP1C029	<5
22	LP1C036	<5
23	LP1C040	<5
24	LP1C047	<5
25	LP1C051	<5
26	LP1C053	<5
27	LP1C057	<5
28	LP1C076	<5
29	LP1C050	5.2
30	LA1C078	6.1

CALCULATION OF 90TH PERCENTILE

30 samples x 0.90 (90th percentile) = 27

90th percentile sample (number 27) result = <5 ppb lead

City of Evanston

Lead and Copper Monitoring Results

Reduced Monitoring Period - June - September, 2014

Sample #	Site #	Ward	Location	Lead (ppb)
1	LA1C124	3	700 block Michigan Ave.	<1.0
2	LP1C013	6	3000 block Thayer St.	<1.0
3	LP1C024	3	800 block Sheridan Rd.	<1.0
4	LA1C075	6	2900 block Lincoln St.	<1.0
5	LP1C040	7	2200 block Lincoln St.	<1.0
6	LA1C102	7	1500 block Lincoln St.	1.0
7	LA1C091	7	2700 block Girard Ave.	1.1
8	LP1C036	6	2700 block Lincoln St.	1.1
9	LA1C092	7	2700 block Girard Ave.	1.2
10	LP1C022	7	1400 block Lincoln St.	1.2
11	LA1C082	8	300 block Wesley Ave.	1.3
12	LA1C066	6	3000 block Hartzell St.	1.3
13	LP1C053	3	600 block Michigan Ave.	1.6
14	LA1C073	6	3100 block Thayer St.	1.7
15	LP1C025	7	2700 block Girard Ave.	1.9
16	LA1C098	7	800 block Ingleside Pl.	2.5
17	LA1C101	7	1500 block Lincoln St.	2.7
18	LP1C047	3	500 block Michigan Ave.	2.7
19	LP1C023	7	800 block Ingleside Pl.	2.8
20	LA1C094	7	700 block Ingleside Pl.	3.0
21	LP1C057	6	2400 block Lawndale Ave.	3.0
22	LA1C093	7	2700 block Girard Ave.	3.2
23	LA1C100	7	1400 block Lincoln St.	3.2
24	LA1C061	6	2200 block Forestview Rd.	3.4
25	LA1C062	2	1500 block Ashland Ave.	3.4
26	LA1C074	6	2900 block Lincoln St.	3.7
27	LP1C010	6	2500 block Cowper Ave.	3.9
28	LP1C050	6	2400 block Hastings Ave.	4.2
29	LA1C078	8	300 block Wesley Ave.	6.1
30	LA1C103	7	2600 block Asbury Ave.	11

CALCULATION OF 90TH PERCENTILE

30 samples X 0.90 (90th percentile) = 27

90th percentile sample number (number 27) result = **3.9 ppb**

City of Evanston
Voluntary Lead Monitoring Results

Sample #	Ward	Location	Lead (ppb)
1	1	800 block Colfax St.	<1.0
2	5	1900 block Grey Ave.	<1.0
3	4	1100 block Oak Ave.	1.4
4	8	2100 block Dobson St.	1.9
5	9	1000 block Cleveland St.	2.2
6	9	1500 block Seward St.	2.8
7	2	800 block Dodge Ave.	3.6
8	1	600 block Library Pl.	3.9
9	8	300 block Wesley Ave.	4.9
10	4	900 block Wesley Ave.	5.2
11	8	300 block Florence Ave.	5.3
12	8	700 block Case St.	7.5
13	2	1200 block Dewey Ave.	7.7
14	8	2100 block Dobson St.	9.0

CALCULATION OF 90TH PERCENTILE

14 samples X 0.90 (90th percentile) = 12.6

90th percentile sample number (average of 12 & 13) result = **7.6 ppb**

City of Evanston

Lead Monitoring Results

Reduced Monitoring Period - June - September, 2017

Sample #	Ward	Site #	Address	Lead (ppb)
1	6	LP1C013	3000 block Thayer St.	<1.0
2	7	LP1C040	2200 block Lincoln St.	<1.0
3	3	LP1C047	500 block Michigan Ave.	<1.0
4	1	LA1C137	800 block Colfax St.	1.0
5	4	LA1C138	1100 block Oak Ave.	1.1
6	6	LP1C036	2700 block Lincoln St.	1.2
7	7	LA1C102	1500 block Lincoln St.	1.3
8	7	LA1C092	2700 block Girard Ave.	1.4
9	3	LP1C053	600 block Michigan Ave.	1.4
10	7	LP1C025	2700 block Girard Ave.	1.5
11	7	LA1C091	2700 block Girard Ave.	1.8
voluntary sample	5	na	1900 block Grey Ave.	1.9
12	6	LA1C066	3000 block Hartzell St.	2.0
13	3	LA1C124	700 Block Michigan Ave.	2.2
14	7	LA1C101	1500 block Lincoln St.	2.6
15	6	LA1C061	2200 block Forestview Rd.	3.0
16	6	LP1C057	2400 block Lawndale Ave.	3.2
17	8	LA1C081	300 block Wesley Ave.	3.4
18	1	LP1C041	600 block Library Pl.	3.4
19	7	LA1C094	700 block Ingelside Pl.	3.5
20	6	LA1C073	3100 block Thayer St.	3.6
21	8	LA1C084	300 block Wesley Ave.	3.8
22	7	LA1C098	800 block Ingleside Pl.	4.0
23	2	LA1C062	1500 block Ashland Ave.	4.1
24	7	LA1C093	2700 block Girard Ave.	4.2
25	9	LP1C038	1500 block Seward St.	4.6
26	6	LA1C074	2900 block Lincoln St.	5.0
27	4	LP1C019	900 block Wesley Ave.	5.0
28	8	LA1C078	300 block Wesley Ave.	5.3
29	8	LA1C080	300 block Wesley Ave.	9.8
30	6	LP1C010	2500 block Cowper Ave.	11

CALCULATION OF 90TH PERCENTILE

30 samples X 0.90 (90th percentile) = 27

90th percentile sample number (number 27) result = 5.0 ppb

Limit Lead= 15 ppb 90th Percentile