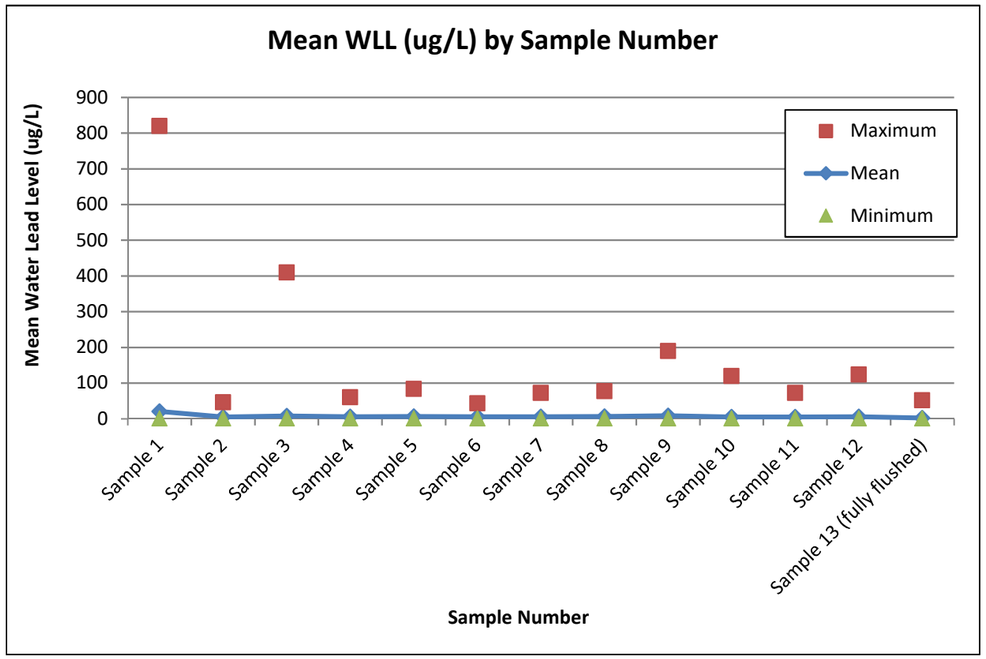
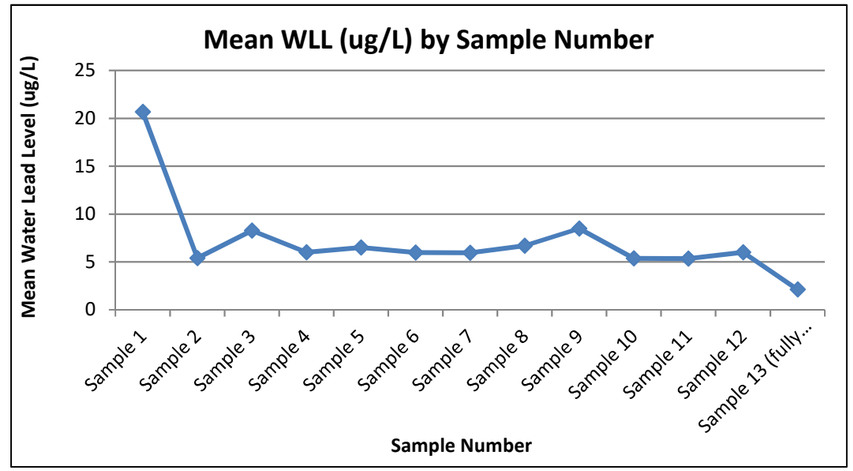
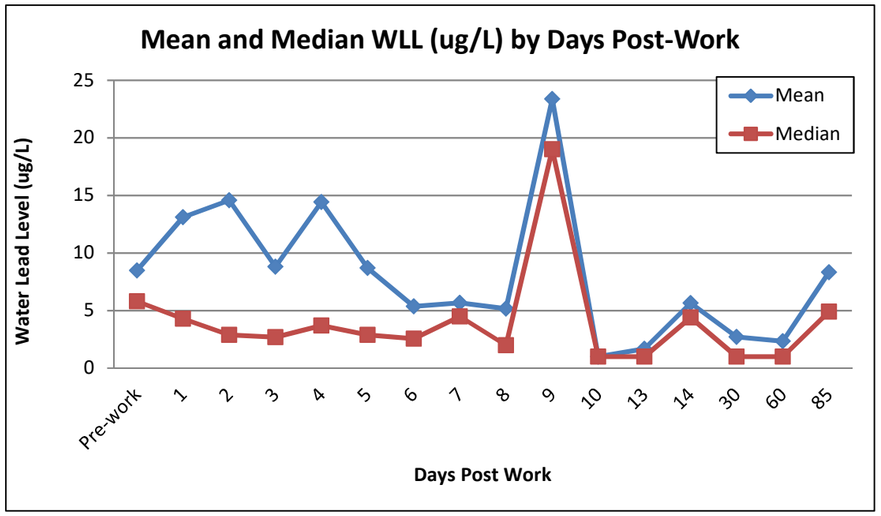
STATISTIC	VALUE
N	1548
MINIMUM	1
MAXIMUM	820
MEAN	7.15
STANDARD DEVIATION	29.54
P25	1
P50	2.2
P75	6.1
P95	20

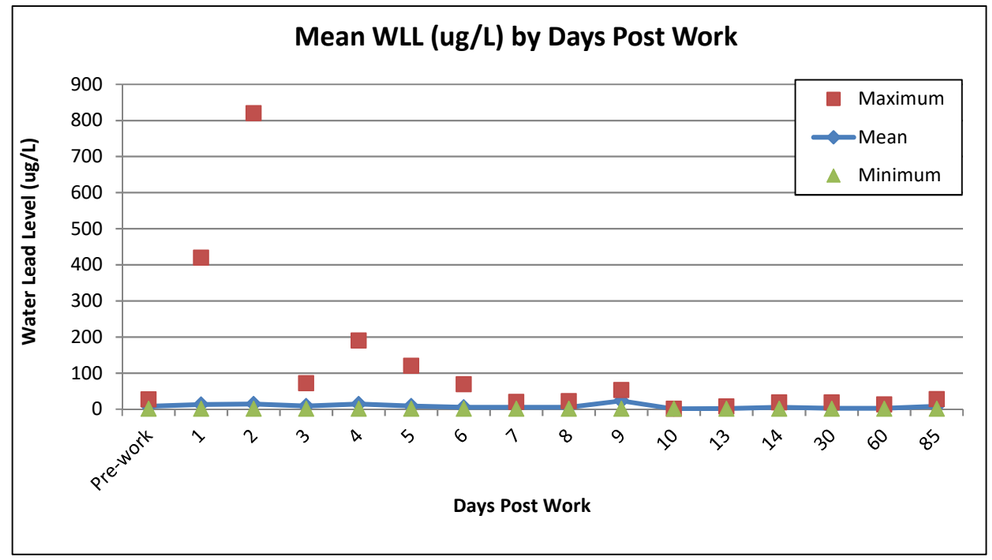
	Sample_Number												
STATISTIC	**Sample 1**	**Sample 2**	**Sample 3**	**Sample 4**	**Sample 5**	**Sample 6**	**Sample 7**	**Sample 8**	**Sample 9**	**Sample 10**	**Sample 11**	**Sample 12**	**Sample 13 (fully flushed)**
N	121	121	119	116	119	119	119	119	118	119	119	118	121
MINIMUM	1	1	1	1	1	1	1	1	1	1	1	1	1
MAXIMUM	820	46	410	60	84	43	72	77	190	120	72	124	52
MEAN	20.68	5.41	8.28	6.00	6.52	5.97	5.94	6.71	8.48	5.39	5.36	6.00	2.12
STANDARD DEVIATION	89.66	7.46	37.69	9.65	10.47	7.10	9.29	11.73	24.53	12.32	9.70	14.68	4.98
P25	1	1	1	1	1	1	1	1	1	1	1	1	1
P50	3	2.9	2.8	2.6	3.1	3	2.7	2.2	2.1	1	1	1	1
P75	6.8	5.8	5.4	5.8	7.5	8.7	7.7	7.7	6.5	5.1	6.3	6	1
P95	65	22	23	27	23	20	20	33	28	19	21	19	5.7

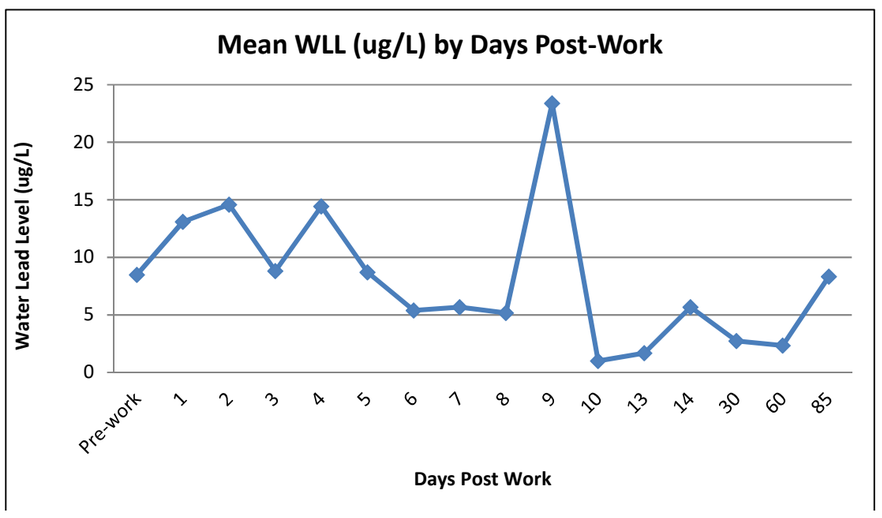




STATISTIC	DAYS POST-WORK Pre-work	1	2	3	4	5	6	7	8	9	10	13	14	30	60	85
N	65	130	208	117	75	64	26	45	26	13	13	13	65	507	168	13
MINIMUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MAXIMUM	27	420	820	72	190	120	69	20	22	53	1	7.5	19	19	13	28
MEAN	8.48	13.10	14.57	8.80	14.42	8.71	5.38	5.67	5.18	23.38	1.00	1.68	5.66	2.72	2.34	8.33
STANDARD DEVIATION	6.41	39.70	68.52	13.56	31.85	17.83	13.25	4.73	6.05	14.02	0.00	1.86	4.27	3.11	2.53	8.46
P25	4.1	1	1	1	1	1	1	1	1	17	1	1	2.3	1	1	3.2
P50	5.8	4.3	2.9	2.7	3.7	2.9	2.55	4.5	2	19	1	1	4.4	1	1	4.9
P75	12	11	8.25	11	10	5.8	3.9	8.2	7.8	32	1	1	8.1	3.6	2.6	9.2
P95	21	41	41	35	84	27	14	14	20	53	1	7.5	14	8.5	8	28







TYPE OF WORK

STATISTIC	City Line Replacement	Full Replacement	Leak Repair	Meter	Sewer Main Replacement
N	990	130	39	181	208
MINIMUM	1	1	1	1	1
MAXIMUM	820	69	120	130	77
MEAN	7.52	6.89	11.30	5.10	6.60
STANDARD DEVIATION	35.85	10.74	22.07	13.54	7.33
P25	1	1	1	1	3
P50	1	3.05	2.2	1	5.1
P75	5.1	8	12	4	8.3
P95	20	24	66	13	14

Exemption 6

[redacted]

Address	_TYPE_	_FREQ_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_P95
	0	1573	1548	1	820	7.153553	29.54095	1	2.2	6.1	20
	1	26	26	1	22	5.438462	5.231296	2.2	4	6.9	16
	1	26	26	1	35	5.784615	9.005229	1	1	6.1	29
	1	13	12	1	4	2.383333	1.156667	1	2.4	3.5	4
	1	13	13	1	2.4	1.207692	0.507381	1	1	1	2.4
	1	26	26	1	69	4.088462	13.33331	1	1	1	8.1
	1	39	39	1	40	3.492308	6.668993	1	1	3.8	13
	1	13	10	1	1	1	0	1	1	1	1
	1	26	26	1	9.1	1.580769	1.638052	1	1	1	2.8
	1	26	26	1	6.7	2.365385	2.101227	1	1	3.7	6.5
	1	26	26	1	30	7.988462	6.255387	4.1	6.9	11	17
	1	13	13	1	3.7	1.307692	0.803598	1	1	1	3.7
	1	39	39	1	46	11.82308	10.30788	3.1	9.2	18	28
	1	13	13	1	69	9.176923	18.25907	3.2	3.5	4.5	69
	1	52	52	1	13	3.594231	2.903711	1	2.55	4.85	9.6
	1	26	26	1	5	2.303846	1.296296	1	2.45	3.2	4.8
	1	52	52	1	15	7.367308	3.763588	4.4	7.4	9.8	14
	1	52	52	1	14	5.519231	3.345763	3.65	4.8	6.4	14
	1	52	52	1	77	9.932692	12.73029	3.65	6.9	9.4	37
	1	39	39	1	3.9	1.192308	0.609739	1	1	1	2.8
	1	26	26	1	5.2	1.807692	1.374023	1	1	2.6	5.1
	1	39	39	1	3.6	1.346154	0.767719	1	1	1	3.2
	1	26	26	1	14	1.569231	2.559808	1	1	1	2.8
	1	39	39	1	2.6	1.258974	0.525516	1	1	1	2.5
	1	26	26	1	17	5.030769	5.195596	1	2.3	7.3	15
	1	39	39	1	77	8.923077	15.37006	1	4.3	6.5	43
	1	26	26	1	72	19.83462	19.5776	4.6	17.5	26	64
	1	39	39	1	820	34.06154	144.7242	1	1	3.7	410
	1	39	29	1	420	16.1069	77.70487	1	1	1	10
	1	39	38	1	130	12.25526	27.29476	1	2.1	5.1	84
	1	26	26	1	7.6	2.261538	2.18084	1	1	2.9	6.8
	1	13	13	1	6.6	1.430769	1.553161	1	1	1	6.6
	1	26	26	1	7.8	1.834615	1.707616	1	1	2.1	5.5
	1	13	13	7.4	41	16.63077	10.18491	9.2	14	19	41
	1	52	52	1	16	4.013462	3.832576	1	2.45	5.3	12
	1	26	26	1	124	14.86154	25.13608	2.3	3.45	16	37
	1	26	26	1	190	20.9	42.603	1	2.95	20	120
	1	26	26	1	3.6	1.357692	0.722315	1	1	1	3
	1	13	13	1	4.4	2.284615	1.390351	1	2	3.2	4.4
	1	52	42	1	370	12.67619	56.55533	1	3	6.7	8.8
	1	13	13	1	27	7.107692	7.665122	3.4	4.1	6.5	27
	1	13	13	1	13	5.338462	4.737007	1	3.7	8.3	13
	1	39	39	1	2.8	1.179487	0.48023	1	1	1	2.4
	1	13	13	8.8	65	25.30769	19.93094	12	16	41	65
	1	13	13	1	19	4.207692	5.996591	1	2.1	2.9	19
	1	26	26	1	1	1	0	1	1	1	1

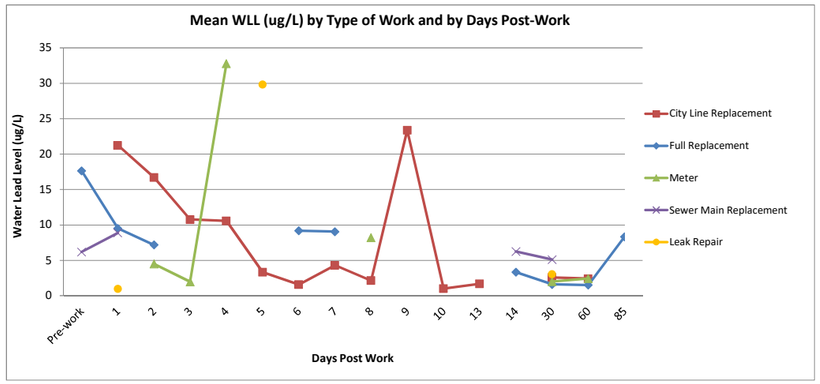
Exemption 6 [redacted]	1	52	52	1	65	13.49423	12.61658	6.55	10	15	43
	1	39	39	1	73	9.817949	14.52995	3.7	5.7	8.2	52
	1	13	13	1	17	3.084615	4.665806	1	1	1	17
	1	39	39	1	6.6	2.394872	1.681	1	2.1	3.9	6
	1	13	13	1	120	29.84615	31.26192	12	23	27	120
	1	39	39	1	7.5	2.038462	2.096063	1	1	2.4	7.5
	1	13	13	1	1	1	0	1	1	1	1
	1	39	39	1	22	5.294872	4.612223	2	4.9	6.6	20
	1	26	26	1	5.8	2.023077	1.670283	1	1	4.1	5.6

	DAYS AND WORK TYPE																																				
	1	1	1	1	2	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	10	13	14	14	30	30	30	30	30	60	60	60	85	Pre-work	Pre-work
STATISTIC	City Line R	Full Replac	Leak Repai	Sewer Mai	City Line R	Full Replac	Meter	City Line R	Meter	City Line R	Meter	City Line R	Leak Repai	City Line R	Full Replac	City Line R	Full Replac	City Line R	Meter	City Line R	City Line R	City Line R	Full Replac	Sewer Mai	City Line R	Full Replac	Leak Repai	Meter	Sewer Mai	City Line R	Full Replac	Meter	Full Replac	Full Replac	Sewer Main Replacem
N	52	13	13	52	169	13	26	91	26	62	13	51	13	13	13	32	13	13	13	13	13	13	13	52	351	26	13	65	52	117	13	38	13	13	52
MINIMUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
MAXIMUM	420	46	1	77	820	69	40	72	7.5	190	130	27	120	3.9	69	20	16	14	22	53	1	7.5	8.2	19	19	4.8	5.8	7.7	14	13	2.9	8.7	28	27	15
MEAN	21.24	9.51	1.00	8.88	16.69	7.18	4.49	10.76	1.97	10.56	32.80	3.32	29.85	1.58	9.18	4.30	9.05	2.14	8.22	23.38	1.00	1.68	3.32	6.25	2.58	1.59	3.05	1.99	5.09	2.41	1.51	2.43	8.33	17.63	6.19
STANDARD DEVIATION	60.46	12.78	0.00	12.92	75.67	18.70	7.89	14.78	2.32	28.79	40.01	4.49	31.26	0.97	18.26	4.28	4.17	3.60	6.58	14.02	0.00	1.86	2.00	4.49	3.30	1.18	1.88	1.66	3.04	2.77	0.71	2.07	8.46	6.78	3.74
P25	1	1	1	2.35	1	1	1	1	1	1	5.1	1	12	1	3.2	1	5.7	1	2.2	17	1	1	2.2	2.7	1	1	1	1	2.3	1	1	1	3.2	16	3.7
P50	5.8	4.2	1	4.65	3.5	1	2.25	5.5	1	1.55	11	2.3	23	1	3.5	2.7	11	1	7.7	19	1	1	3	5.15	1	1	4.1	1	5.4	1	1	1	4.9	18	5.35
P75	15	11	1	9.8	8.8	2.1	4	13	1	6.7	51	3.6	27	2.4	4.5	6.1	12	1	10	32	1	1	3.8	8.75	2.8	1	4.2	2.4	7	2.4	2	3	9.2	21	8.65
P95	77	46	1	37	43	69	13	35	7.5	37	130	11	120	3.9	69	14	16	14	22	53	1	7.5	8.2	14	10	4.2	5.8	6.4	9.6	8.7	2.9	6.3	28	27	14

	DAYS AND WORK TYPE																																		
	1	1	1	1	2	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	10	13	14	14	30	30	30	30	30	60	60	60	85	Pre-work	Pre-work
STATISTIC	City Line R	Full Replac	Leak Repai	Sewer Mai	City Line R	Full Replac	Meter	City Line R	Meter	City Line R	Meter	City Line R	Leak Repai	City Line R	Full Replac	City Line R	Full Replac	City Line R	Meter	City Line R	City Line R	City Line R	Full Replac	Sewer Mai	City Line R	Full Replac	Leak Repai	Meter	Sewer Mai	City Line R	Full Replac	Meter	Full Replac	Full Replac	Sewer Main Replacem
MEAN	21.24	9.51	1.00	8.88	16.69	7.18	4.49	10.76	1.97	10.56	32.80	3.32	29.85	1.58	9.18	4.30	9.05	2.14	8.22	23.38	1.00	1.68	3.32	6.25	2.58	1.59	3.05	1.99	5.09	2.41	1.51	2.43	8.33	17.63	6.19

Mean WLL

Days Post Work	Pre-work	1	2	3	4	5	6	7	8	9	10	13	14	30	60	85
City Line Replacement		21.24	16.69	10.76	10.56	3.32	1.58	4.30	2.14	23.38	1.00	1.68		2.58	2.41	
Full Replacemer	17.63	9.51	7.18				9.18	9.05					3.32	1.59	1.51	8.33
Meter			4.49	1.97	32.80				8.22					1.99	2.43	
Sewer Main Rep	6.19	8.88											6.25	5.09		
Leak Repair		1.00				29.85								3.05		



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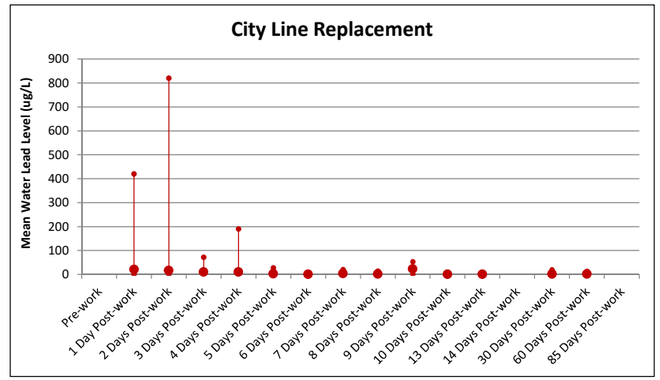
days	_TYPE_	_FREQ_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_	WLL_ug_L_P95
	0	1452	1427	1	820	7.580028	30.6969	1	2.4	6.5	21
1	1	120	120	1	420	13.99833	41.20093	1	4.65	11	42
2	1	192	192	1	820	15.26094	71.19402	1	3.25	8.25	41
3	1	108	108	1	72	9.416667	13.94571	1	3.5	11.5	35
4	1	72	69	1	190	15.37101	33.04878	1	3.7	11	84
5	1	60	59	1	120	9.322034	18.44553	1	3.2	11	31
6	1	24	24	1	69	5.666667	13.76763	1	2.55	3.9	14
7	1	60	40	1	20	6.255	4.701225	2.6	5.4	8.5	15
8	1	24	24	1	22	5.525	6.173523	1	2.1	8.55	20
9	1	12	12	12	53	25.25	12.84966	17.5	19.5	34	53
10	1	12	12	1	1	1	0	1	1	1	1
13	1	12	12	1	7.5	1.733333	1.932654	1	1	1	7.5
14	1	60	60	1	19	5.988333	4.265077	2.7	4.8	8.2	14
30	1	468	468	1	19	2.864957	3.200316	1	1	3.9	8.6
60	1	156	155	1	13	2.443871	2.600427	1	1	2.8	8.6
85	1	12	12	2.2	28	8.941667	8.536708	3.2	5.8	10.6	28
Pre-work	1	60	60	1	27	8.973333	6.408439	4.25	6.15	13	22

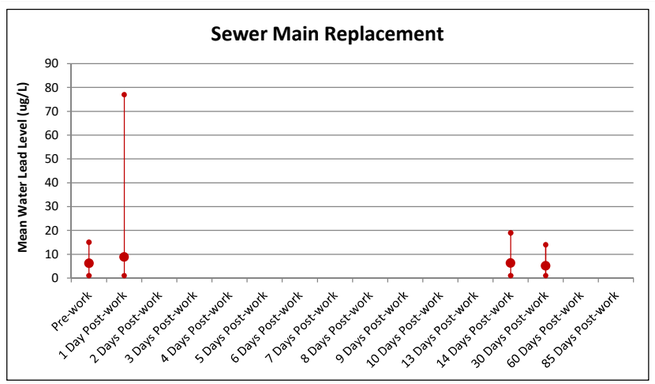
	DAYS AND WORK TYPE																																			
	1	1	1	1	2	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	10	13	14	14	30	30	30	30	30	60	60	60	85	Pre-work	Pre-work
STATISTIC	City Lin	Full Rep	Leak Re	Sewer I	City Lin	Full Rep	Meter	City Lin	Meter	City Lin	Meter	City Lin	Leak Re	City Lin	Full Rep	City Line I	Full Repla	City Line I	Meter	City Line I	City Line R	City Line R	Full Replac	Sewer Ma	City Line R	Full Replac	Leak Repai	Meter	Sewer Mai	City Line R	Full Replac	Meter	Full Replac	Full Replac	Sewer Main Replacem
MINIMUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
MAXIMUM	420	46	1	77	820	69	40	72	7.5	190	130	27	120	3.9	69	20	16	14	22	53	1	7.5	8.2	19	19	4.8	5.8	7.7	14	13	2.9	8.7	28	27	15
MEAN	21.24	9.51	1.00	8.88	16.69	7.18	4.49	10.76	1.97	10.56	32.80	3.32	29.85	1.58	9.18	4.30	9.05	2.14	8.22	23.38	1.00	1.68	3.32	6.25	2.58	1.59	3.05	1.99	5.09	2.41	1.51	2.43	8.33	17.63	6.19

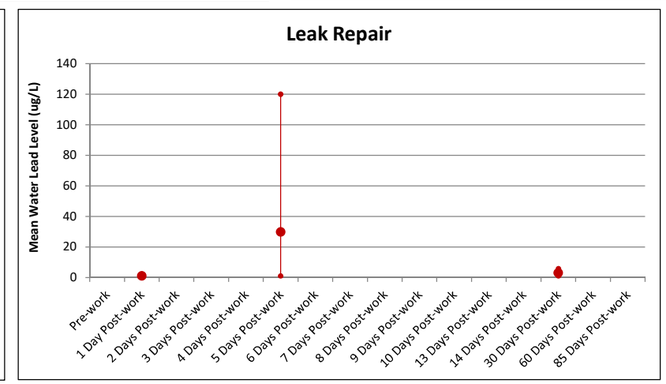
MeanWLL

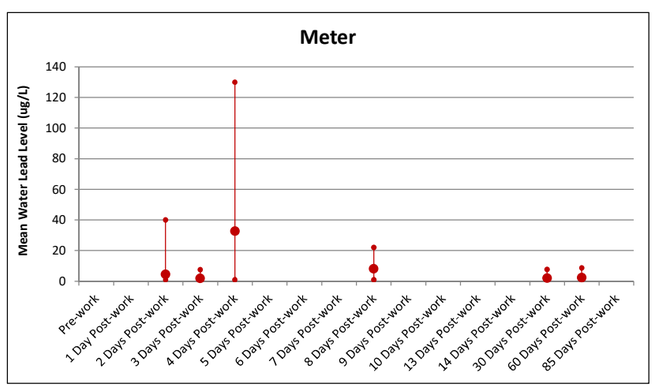
[redacted]

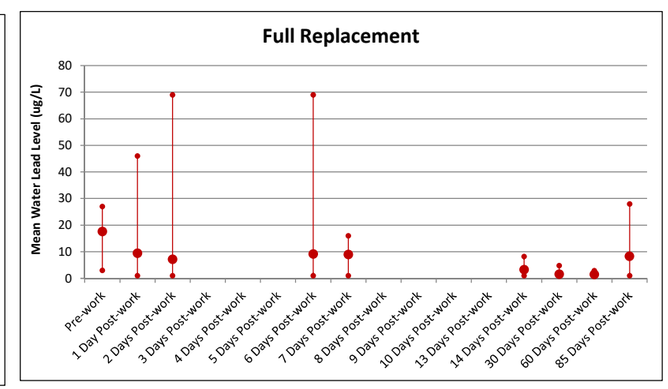
		Pre-work	1 Day Post-work	2 Days Post-work	3 Days Post-work	4 Days Post-work	5 Days Post-work	6 Days Post-work	7 Days Post-work	8 Days Post-work	9 Days Post-work	10 Days Post-work	13 Days Post-work	14 Days Post-work	30 Days Post-work	60 Days Post-work	85 Days Post-work
min	City Line Replac		1	1	1	1	1	1	1	1	1	1	1		1	1	
mean	City Line Replac		21.24	16.69	10.76	10.56	3.32	1.58	4.30	2.14	23.38	1.00	1.68		2.58	2.41	
max	City Line Replac		420	820	72	190	27	3.9	20	14	53	1	7.5		19.0	13	
min	Full Repl	3	1	1				1	1					1	1	1	1
mean	Full Repl	17.63	9.51	7.18				9.18	9.05					3.32	1.59	1.51	8.33
max	Full Repl	27	46	69				69	16					8.2	4.8	2.9	28
min	Leak Repair		1				1								1		
mean	Leak Repair		1.00				29.85								3.05		
max	Leak Repair		1				120								5.8		
min	Meter			1	1	1				1					1	1	
mean	Meter			4.49	1.97	32.80				8.22					1.99	2.43	
max	Meter			40	7.5	130				22					7.7	8.7	
min	Sewer Ma	1	1											1	1		
mean	Sewer Ma	6.19	8.88											6.25	5.09		
max	Sewer Ma	15	77											19	14.0		











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