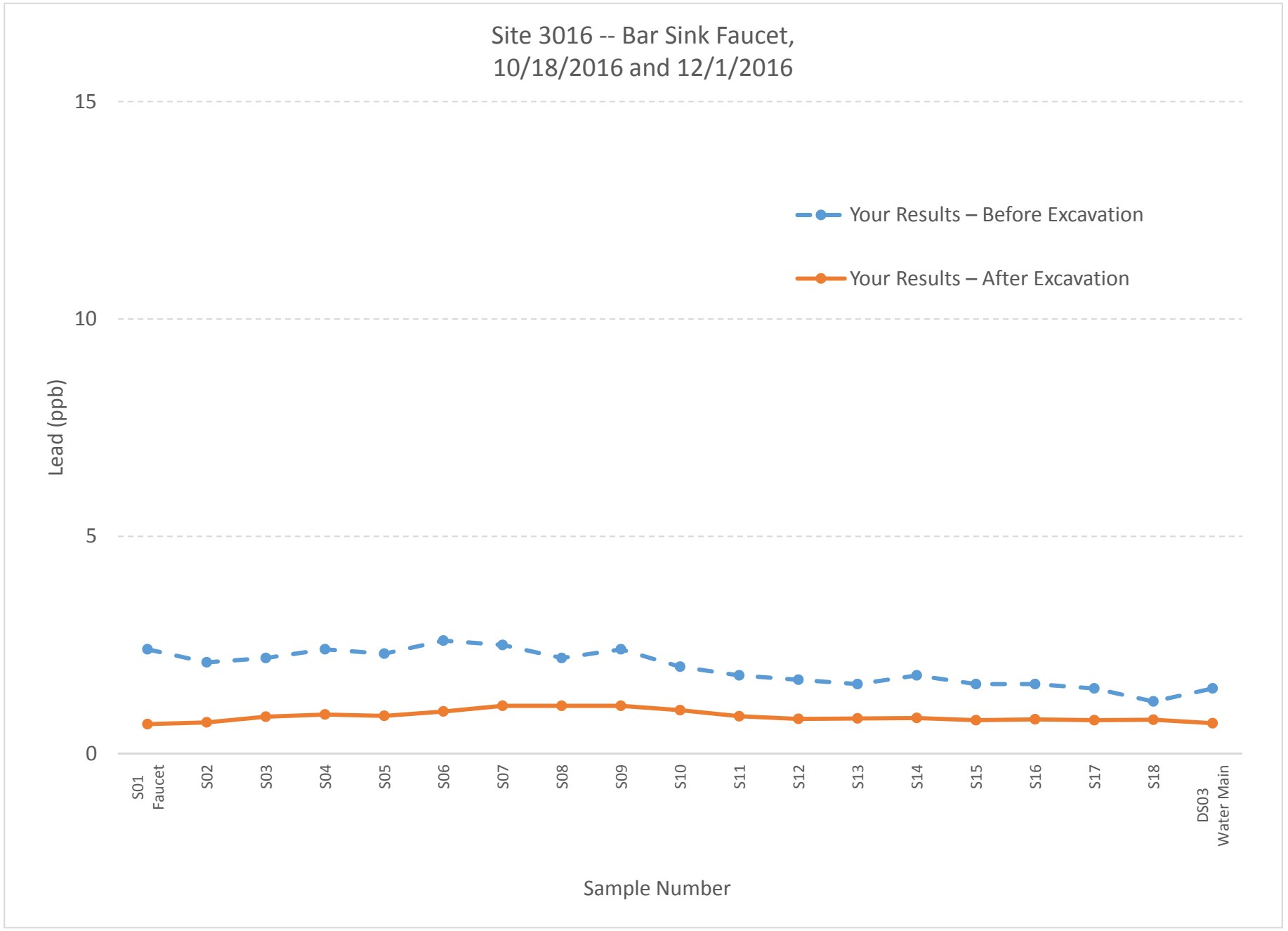
Site 3016 -- Bar Sink Faucet,
10/18/2016 and 12/1/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3016 -- Bar Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/18/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.74 U	0.71 U	0.85 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.94 U	0.78 U	0.74 U	0.72 U	0.67 U	0.77 U	0.68 U	0.64 U	0.59 U	2.0 U	0.58 U	5	--	5	--
Chromium	µg/L	2.6 U	2.9 U	2.1 U	2.9 U	2.9 U	2.9 U	3.0 U	2.7 U	3.4 U	3.4 U	3.3 U	3.4 U	3.3 U	3.5 U	3.4 U	3.4 U	3.4 U	3.0 U	3.2 U	100	--	100	--
Copper	µg/L	3.9 U	3.1 U	4.3 U	3.8 U	3.9 U	3.5 U	2.8 U	2.9 U	3.6 U	3.2 U	3.0 U	3.0 U	2.8 U	3.0 U	3.1 U	2.7 U	2.6 U	10 U	2.6 U	--	1300	1300	1000
Lead	µg/L	2.4	2.1	2.2	2.4	2.3	2.6	2.5	2.2	2.4	2.0 U	1.8 U	1.7 U	1.6 U	1.8 U	1.6 U	1.6 U	1.5 U	1.2 U	1.5 U	--	15	0	--
Lead (Duplicate)	µg/L	1.35	1.25	1.25	1.63	1.59	1.84	1.75	1.50	1.29	1.00	0.86	0.84	0.83	0.82	0.81	0.82	0.84	0.82	0.77	--	15	0	--
Manganese	µg/L	1.8 J	1.4 J	1.7 J	1.3 J	1.2 J	1.2 J	1.2 J	1.1 J	1.8 J	1.8 J	1.6 J	1.6 J	1.5 J	1.6 J	1.5 J	1.4 J	1.4 J	1.0 J	1.4 J	--	--	--	50
Nickel	µg/L	2.2 U	1.7 U	2.5 U	1.5 U	1.4 U	1.4 U	1.4 U	1.3 U	1.8 U	1.7 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.4 U	1.4 U	2.3 U	1.3 U	--	--	--	--
Zinc	µg/L	82	49	61	26	26	22	18 J	18 J	22	18 J	18 J	17 J	16 J	17 J	16 J	16 J	16 J	14 J	13 J	--	--	--	5000
Aluminum	mg/L	0.088 J-	0.083 J-	0.081 J-	0.090 J-	0.088 J-	0.091 J-	0.091 J-	0.086 J-	0.090 J-	0.095 J-	0.092 J-	0.087 J-	0.087 J-	0.088 J-	0.084 J-	0.089 J-	0.092 J-	0.090 J-	0.090 J-	--	--	--	0.05 to 0.2
Calcium	mg/L	37 J+	36 J+	36 J+	38 J+	37 J+	37 J+	38 J+	37 J+	37 J+	39 J+	38 J+	37 J+	37 J+	37 J+	35 J+	37 J+	37 J+	37 J+	38 J+	--	--	--	--
Iron	mg/L	0.022 U	0.045 U	0.025 U	0.10 U	0.026 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.021 U	0.10 U	--	--	--	0.3
Magnesium	mg/L	13	13	13	13	13	13	13	13	13	14	13	13	13	13	12	13	13	13	13	--	--	--	--
Potassium	mg/L	1.6	1.6	1.6	1.7	1.6	1.6	1.7	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.6	--	--	--	--
Sodium	mg/L	12	11	11	12	12	12	12	12	12	12	12	11	12	12	11	11	11	12	12	--	--	--	--
Tin	mg/L	0.0023 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0017 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		110	--	--	--	--
Chloride	mg/L	Not Sampled																		3.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.15 J	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		23.9 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated
(J+) = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
(J-) = Potential low bias (based on laboratory quality checks, the actual value may be slightly higher than what is reported here).

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.

Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a "J" qualifier after the number.

Site 3016 -- Bar Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 12/1/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5	--	5	--
Chromium	µg/L	0.52 U	0.57 U	0.50 U	0.47 U	0.52 U	0.48 U	0.51 U	0.48 U	0.57 U	0.52 U	0.46 U	0.48 U	0.48 U	0.56 U	0.49 U	0.53 U	0.53 U	0.52 U	0.56 U	100	--	100	--
Copper	µg/L	1.1	0.9 J	1.0	1.1	1.1	1.7	1.0	0.92 J	1.1	0.98 J	0.90 J	0.83 J	0.93 J	0.89 J	0.84 J	1.0	0.84 J	0.86 J	0.76 J	--	1300	1300	1000
Lead	µg/L	0.68 J	0.72 J	0.85 J	0.9 J	0.87 J	0.97 J	1.1	1.1	1.1	1.0	0.86 J	0.80 J	0.81 J	0.82 J	0.77 J	0.79 J	0.77 J	0.78 J	0.70 J	--	15	0	--
Manganese	µg/L	0.66 U	0.68 U	0.80 U	0.68 U	0.66 U	0.63 U	0.64 U	0.62 U	0.66 U	0.75 U	0.68 U	0.72 U	0.66 U	0.70 U	0.65 U	0.71 U	0.64 U	0.67 U	0.70 U	--	--	--	50
Nickel	µg/L	0.83	0.56	0.63	0.51	0.52	0.50	0.53	0.52	0.55	0.49 J	0.55	0.54	0.62	0.50 J	0.49 J	0.72	0.50 J	0.56	0.53	--	--	--	--
Tin	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	--	--	--
Zinc	µg/L	40.7	32.0	44.2	20.6	18.8	20.6	15.5	14.2	16.8	13.5	12.9	12.2	13.6	12.2	11.7	12.5	11.1	11.4	7.5	--	--	--	5000
Aluminum	mg/L	0.0373	0.0388	0.0382	0.0377	0.0380	0.0388	0.0393	0.0392	0.0394	0.0387	0.0387	0.0383	0.0397	0.0399	0.0382	0.0405	0.0391	0.0389	0.0397	--	--	--	0.05 to 0.2
Calcium	mg/L	34.5 J	34.4 J	35.8 J	35.5 J	34.8 J	34.4 J	35.4 J	34.9 J	35.0 J	34.4 J	35.2 J	34.8 J	34.5 J	35.2 J	34.3 J	34.7 J	35.2 J	35.1 J	34.2 J	--	--	--	--
Iron	mg/L	0.0192 J	0.100 U	0.042 J	0.0253 J	0.0153 J	0.166	0.100 U	0.100 U	0.0146 J	0.0195 J	0.100 U	0.0166 J	0.0178 J	0.0277 J	0.0297 J	0.0243 J	0.0138 J	0.0331 J	0.0204 J	--	--	--	0.3
Magnesium	mg/L	11.8	11.8	12.3	12.2	11.9	11.8	12.2	12.0	11.9	11.8	12.0	11.9	11.8	12.0	11.7	11.8	11.9	11.9	11.6	--	--	--	--
Potassium	mg/L	1.58	1.57	1.57	1.64	1.63	1.57	1.61	1.60	1.58	1.57	1.60	1.57	1.55	1.57	1.57	1.56	1.58	1.57	1.57	--	--	--	--
Sodium	mg/L	10.5 J	10.4 J	10.9 J	10.9 J	10.7 J	10.6 J	10.9 J	10.7 J	10.8 J	10.5 J	10.7 J	10.6 J	10.5 J	10.8 J	10.5 J	10.5 J	10.7 J	10.7 J	10.4 J	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		103	--	--	--	--
Chloride	mg/L	Not Sampled																		16.6	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.111	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		27.0	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.232	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

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Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

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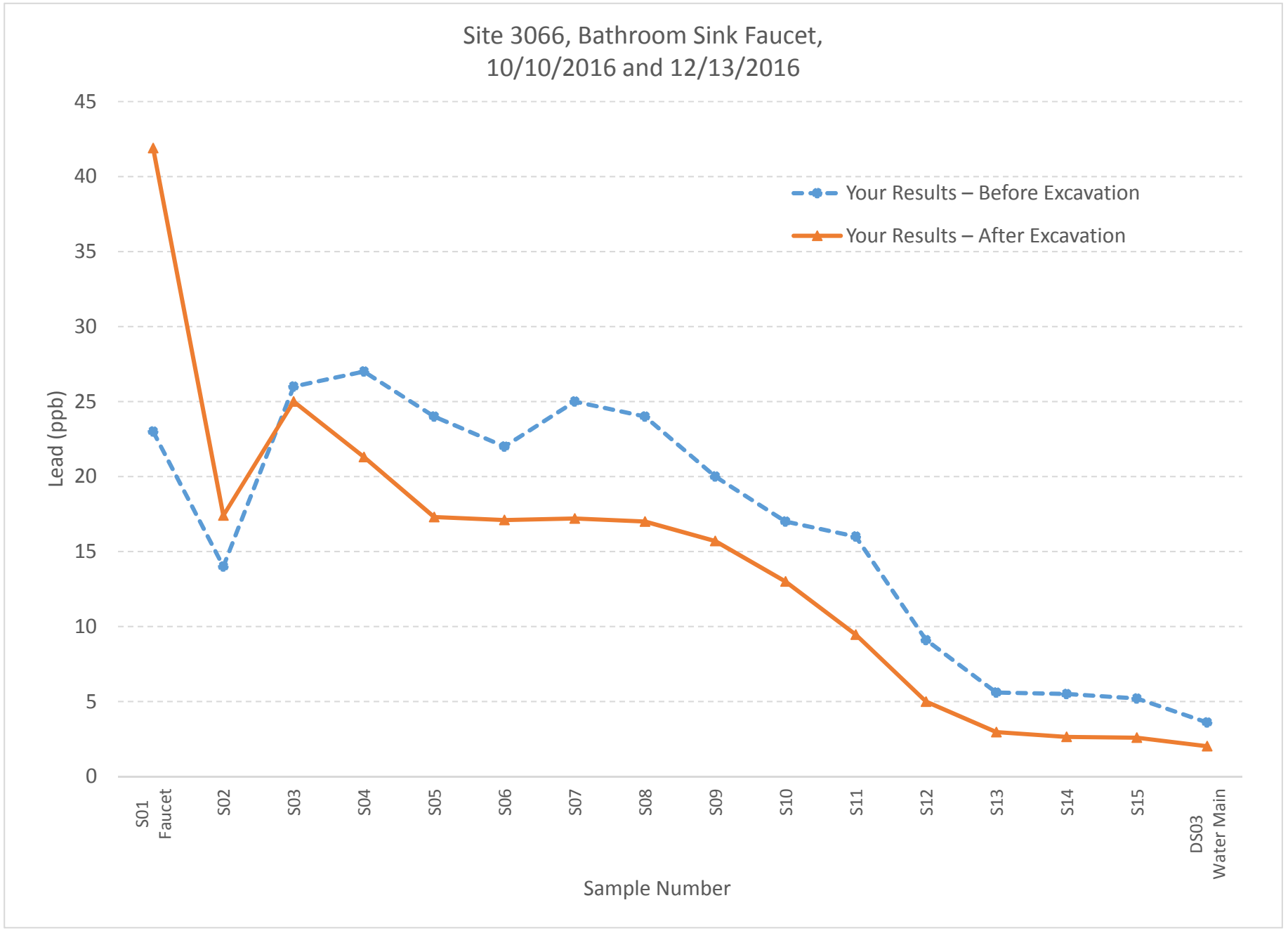
Site 3066, Bathroom Sink Faucet,
10/10/2016 and 12/13/2016
Your Results – Before Excavation
Your Results – After Excavation
Lead (ppb)
45
40
35
30
25
20
15
10
5
0
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
DS03 Water Main
Sample Number

Site 3066 -- Bathroom Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/10/2016															Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	2.6 U	2.9 U	2.6 U	3.1 U	2.5 U	2.9 U	2.7 U	2.7 U	2.6 U	2.6 U	2.8 U	2.4 U	2.6 U	2.8 U	2.8 U	2.8 U	100	--	100	--
Copper	µg/L	11	2.5 J	5.6 J	4.2 J	3.6 J	3.2 J	2.8 J	2.8 J	2.2 J	3.7 J	1.9 J	3.1 J	2.6 J	1.9 J	3.1 J	4.4 J	--	1300	1300	1000
Lead	µg/L	23	14	26	27	24	22	25	24	20	17	16	9.1	5.6	5.5	5.2	3.6	--	15	0	--
Manganese	µg/L	3.0 J	3.4 J	4.3	4.8	4.2	3.6 J	3.8 J	3.4 J	3.4 J	3.8 J	3.9 J	3.6 J	3.3 J	3.4 J	3.6 J	3.9 J	--	--	--	50
Nickel	µg/L	2.2 J	1.9 J	4.0 J	2.6 J	3.7 J	1.9 J	2.1 J	1.6 J	1.7 J	2.1 J	1.9 J	2.6 J	3.8 J	1.8 J	2.0 J	2.2 J	--	--	--	--
Zinc	µg/L	290	110	84	67	28	21	19 J	64	15 J	18 J	13 J	22	13 J	11 J	12 J	16 J	--	--	--	5000
Aluminum	mg/L	0.078 J-	0.11 J-	0.13 J-	0.14 J-	0.14 J-	0.15 J-	0.14 J-	0.14 J-	0.14 J-	0.13 J-	0.14 J-	0.13 J-	0.14 J-	0.13 J-	0.14 J-	0.13 J-	--	--	--	0.05 to 0.2
Calcium	mg/L	35 J+	35 J+	35 J+	36 J+	36 J+	34 J+	36 J+	36 J+	35 J+	33 J+	36 J+	35 J+	37 J+	35 J+	35 J+	35 J+	--	--	--	--
Iron	mg/L	0.11	0.16	0.25	0.30	0.26	0.22	0.24	0.21	0.20	0.19	0.2	0.20	0.18	0.17	0.17	0.18	--	--	--	0.3
Magnesium	mg/L	13 J+	12 J+	12 J+	13 J+	13 J+	12 J+	13 J+	13 J+	13 J+	12 J+	13 J+	12 J+	13 J+	13 J+	13 J+	12 J+	--	--	--	--
Potassium	mg/L	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	--	--	--	--
Sodium	mg/L	11	11	11	11	12	11	12	12	11	11	12	11	12	11	11	11	--	--	--	--
Tin	mg/L	0.0025 U	0.0023 U	0.020 U	0.0017 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0021 U	0.020 U	0.020 U	0.0017 U	0.0018 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															120	--	--	--	--
Chloride	mg/L	Not Sampled															5.0	--	--	--	250
Fluoride	mg/L	Not Sampled															0.17 J	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															23.9 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
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Site 3066 -- Bathroom Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 12/13/2016																Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5	--	5	--
Chromium	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	100	--	100	--
Copper	µg/L	32.2	2.44	6.19	2.25	1.94	2.30	1.85	1.57	1.27	1.45	1.26	1.14	1.00 U	1.00	1.12	1.00 U	--	1300	1300	1000
Lead	µg/L	41.9	17.4	25.0	21.3	17.3	17.1	17.2	17.0	15.7	13.0	9.46	4.99	2.96	2.64	2.59	2.02	--	15	0	--
Zinc	µg/L	1000	250	66.8	47.9	24.5	17.8	14.8	17.2	12.6	11.0	10.4	10.0 U	10.3	10.0 U	10.0 U	10.0 U	--	--	--	5000
Manganese	µg/L	8 U	8 U	9.9	9.4	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	--	--	--	50
Nickel	µg/L	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	--	--	--	--
Aluminum	mg/L	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	--	--	--	0.05 to 0.2
Calcium	mg/L	35.1	35.0	34.9	34.1	34.9	33.8	34.0	34.6	35.1	34.8	36.8	34.5	35.0	35.0	34.7	35.0	--	--	--	--
Iron	mg/L	0.273	0.123	0.225	0.137	0.108	0.0993	0.0979	0.104	0.132	0.110	0.119	0.100	0.0961	0.0954	0.0942	0.0800 U	--	--	--	0.3
Magnesium	mg/L	12.5	11.9	12.0	11.7	12.0	11.6	11.6	11.9	12.0	11.9	12.8	11.8	12.0	12.0	11.9	12.1	--	--	--	--
Potassium	mg/L	1.77	1.70	1.71	1.72	1.73	1.65	1.67	1.70	1.74	1.66	1.84	1.68	1.70	1.68	1.68	1.72	--	--	--	--
Sodium	mg/L	11.1	10.8	10.8	10.7	10.9	10.6	10.7	10.8	10.9	10.8	11.4	10.7	10.9	10.8	10.8	10.9	--	--	--	--
Tin	mg/L	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															110 J	--	--	--	--
Chloride	mg/L	Not Sampled															18.1	--	--	--	250
Fluoride	mg/L	Not Sampled															0.09	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															29.7 L	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.17	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated
K = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
L = Potential low bias (based on laboratory quality checks, the actual value may be slightly higher than what is reported here).

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.
Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

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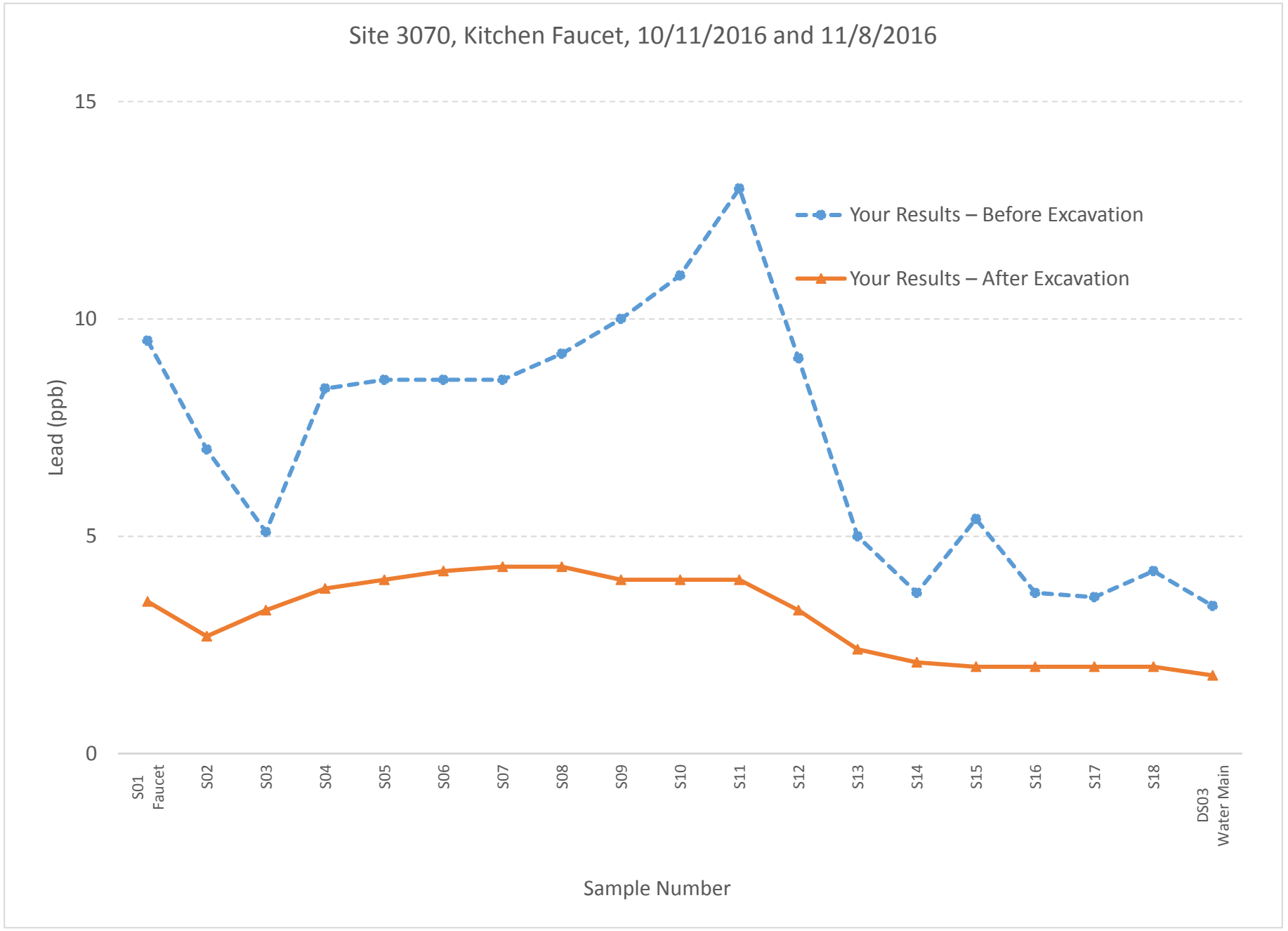
Site 3070, Kitchen Faucet, 10/11/2016 and 11/8/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3070 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/11/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.8 U	2.0 U	2.0 U	2.0 U	0.55 U	5	--	5	--
Chromium	µg/L	3.6 U	3.6 U	3.6 U	3.6 U	3.5 U	3.3 U	3.5 U	3.3 U	3.7 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	4.9	3.3 U	3.3 U	3.5 U	3.6 U	100	--	100	--
Copper	µg/L	12	2.8 U	2.4 U	2.3 U	2.3 U	2.2 U	2.0 U	2.1 U	2.2 U	1.8 U	1.7 U	1.6 U	3.7 U	1.6 U	3.4 U	1.6 U	1.7 U	1.6 U	1.9 U	--	1300	1300	1000
Lead	µg/L	9.5	7.0	5.1	8.4	8.6	8.6	8.6	9.2	10	11	13	9.1	5.0	3.7	5.4	3.7	3.6	4.2	3.4	--	15	0	--
Lead (Duplicate)	µg/L	7.37	5.65	3.88	6.11	6.88	6.82	6.61	6.93	7.55	8.93	10.1	7.14	3.82	2.89	2.74	2.67	2.66	2.63	2.18				
Manganese	µg/L	2.7 J	2.5 J	1.7 J	1.6 J	2.2 J	1.8 J	1.8 J	1.5 J	1.6 J	1.5 J	2.7 J	1.6 J	1.6 J	1.6 J	3.3 J	1.9 J	1.9 J	1.8 J	2.9 J	--	--	--	50
Nickel	µg/L	4.9	2.8 J	2.0 J	1.8 J	1.8 J	1.7 J	1.8 J	1.8 J	1.9 J	1.8 J	1.8 J	1.8 J	2.2 J	1.8 J	3.4 J	2.0 J	1.9 J	1.9 J	2.3 J	--	--	--	--
Zinc	µg/L	270	140	71	32	26	28	32	23	20 J	17 J	16 J	15 J	19 J	14 J	17 J	13 J	15 J	13 J	21	--	--	--	5000
Aluminum	mg/L	0.068	0.072	0.081	0.087	0.084	0.085	0.086	0.087	0.087	0.081	0.084	0.084	0.084	0.081	0.098	0.097	0.096	0.097	0.085	--	--	--	0.05 to 0.2
Calcium	mg/L	37	36	39	39	37	38	38	39	39	37	37	37	37	38	36	37	36	36	38	--	--	--	--
Iron	mg/L	0.057 U	0.063 U	0.046 U	0.084 U	0.066 U	0.068 U	0.049 U	0.052 U	0.084 U	0.032 U	0.031 U	0.036 U	0.026 U	0.026 U	0.061 U	0.081 U	0.061 U	0.059 U	0.028 U	--	--	--	0.3
Magnesium	mg/L	13	13	14	14	13	14	14	14	14	13	13	13	13	13	13	13	13	13	13	--	--	--	--
Potassium	mg/L	1.6	1.6	1.8	1.7	1.6	1.7	1.7	1.7	1.7	1.6	1.7	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.7	--	--	--	--
Sodium	mg/L	12 J+	12 J+	13 J+	13 J+	12 J+	13 J+	13 J+	13 J+	13 J+	12 J+	13 J+	12 J+	12 J+	13 J+	12 J+	12 J+	12 J+	12 J+	13 J+	--	--	--	--
Tin	mg/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.023 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		110	--	--	--	--
Chloride	mg/L	Not Sampled																		3.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.15 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		23.9 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.018 J	--	--	--	--

Notes:
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Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

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Site 3070 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 11/8/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.13 J	0.06 J	0.03 J	0.03 J	0.02 J	0.02 J	0.02 J	0.20 U	0.20 U	0.20 U	0.20 U	0.03 J	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	5	--	5	--
Chromium	µg/L	0.53 J	0.52 J	0.55 J	0.51 U	0.58 J	0.55 J	0.54 J	0.61 J	0.63 J	0.56 J	0.54 J	0.57 J	0.57 J	0.58 J	0.56 J	0.55 J	0.59 J	0.60 J	0.62 J	100	--	100	--
Copper	µg/L	27.7	3.1	1.8	1.5	1.4	1.4	1.3	1.3	1.3	1.1	1.1	1.0	1.0	1.0	0.97 J	0.94 J	1 J	0.97 J	0.92 J	--	1300	1300	1000
Lead	µg/L	3.5	2.7	3.3	3.8	4.0	4.2	4.3	4.3	4.0	4.0	4.0	3.3	2.4	2.1	2.0	2.0	2.0	2.0	1.8	--	15	0	--
Manganese	µg/L	1.5	1.1	1.2	1.2	1.3	1.4	1.3	1.3	1.3	1.2	1.0	1.0	1.1	1.1	1.0	1.0	1.1	1.1	1.1	--	--	--	50
Nickel	µg/L	8.6	1.5	0.66 U	0.59 U	0.60 U	0.81	1.0	0.91	0.84	0.68 U	0.63 U	0.62 U	1.4	0.66 U	0.53 U	0.54 U	0.70 U	0.56 U	0.69 U	--	--	--	--
Tin	µg/L	0.19 J	0.07 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.08 J	1.0 U	1.0 U	1.0 U	1.0 U	0.08 J	--	--	--	--
Zinc	µg/L	206 J+	64.6 J+	25.6 J+	15.4 J+	13.5 J+	13.9 J+	15.0 J+	12.2 J+	11.0 J+	10.2 J+	8.9 J+	9.4 J+	9.9 J+	8.7 J+	8.3 J+	8.2 J+	9.3 J+	8.3 J+	7.9 J+	--	--	--	5000
Aluminum	mg/L	0.0564	0.0660	0.0769	0.0736	0.0684	0.0743	0.0726	0.104	0.0709	0.0695	0.0696	0.0813	0.0798	0.0727	0.0740	0.0712	0.0718	0.0713	0.0735	--	--	--	0.05 to 0.2
Calcium	mg/L	33.2	32.6	33.1	33.6	33.4	32.9	33.9	32.9	33.0	33.0	33.4	33.1	32.3	32.6	32.3	33.1	32.7	32.7	33.2	--	--	--	--
Iron	mg/L	0.0390 J	0.0456 J	0.0512 J	0.0538 J	0.0418 J	0.0564 J	0.0427 J	0.0357 J	0.0509 J	0.0325 J	0.0334 J	0.0416 J	0.0247 J	0.0267 J	0.0273 J	0.0290 J	0.0219 J	0.0220 J	0.0273 J	--	--	--	0.3
Magnesium	mg/L	11.8	11.6	11.8	12.0	11.9	11.7	12.1	11.7	11.7	11.7	11.8	11.8	11.6	11.7	11.6	11.8	11.7	11.7	11.9	--	--	--	--
Potassium	mg/L	1.80	1.69	1.67	1.68	1.70	1.65	1.70	1.67	1.68	1.64	1.68	1.65	1.56	1.60	1.59	1.61	1.67	1.62	1.62	--	--	--	--
Sodium	mg/L	11.4	11.1	11.1	11.3	11.3	11.0	11.3	11.2	11.0	11.0	11.2	11.0	10.8	10.9	10.8	10.9	10.9	11.0	10.9	--	--	--	--
Total Alkalinity	mg/L	Not Sampled																		104	--	--	--	--
Chloride	mg/L	Not Sampled																		16.8	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.149	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		26.4	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.121	--	--	--	--

Notes:
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µg/L = micrograms per liter (also called ppb or parts per billion)
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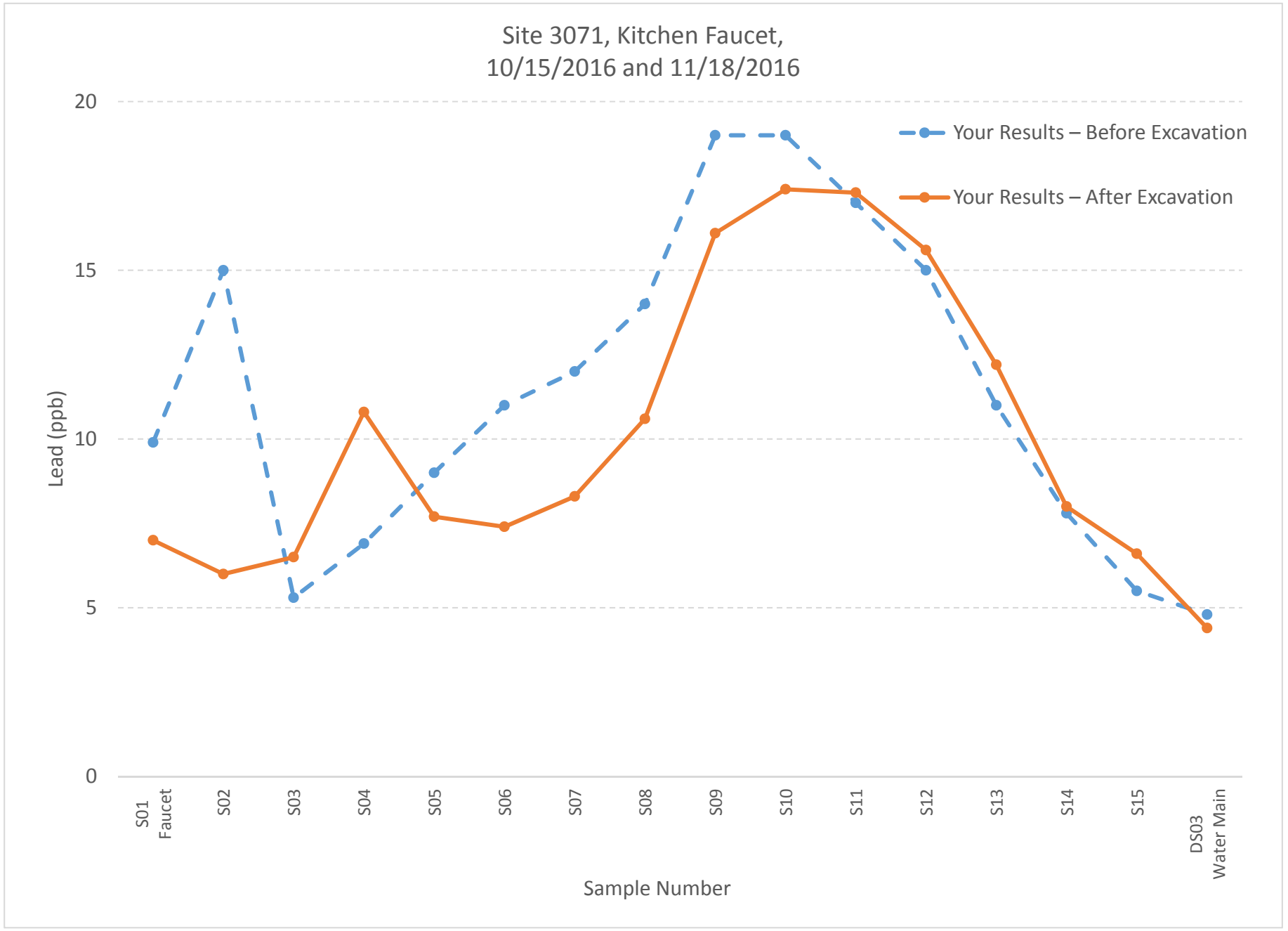
Site 3071, Kitchen Faucet,
10/15/2016 and 11/18/2016
Your Results – Before Excavation
Your Results – After Excavation
Lead (ppb)
20
15
10
5
0
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
DS03 Water Main
Sample Number

Site 3071 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/15/2016																Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	1.8 U	1.9 U	2.0 U	1.9 U	1.9 U	1.6 U	1.9 U	2.0 U	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	100	--	100	--
Copper	µg/L	58	120	20	9.2 U	6.6 U	6.8 U	4.2 U	4.3 U	3.8 U	3.9 U	3.7 U	3.6 U	3.6 U	3.8 U	3.4 U	5.0 U	--	1300	1300	1000
Lead	µg/L	9.9	15	5.3	6.9	9.0	11	12	14	19	19	17	15	11	7.8	5.5	4.8	--	15	0	--
Manganese	µg/L	2.4 J	1.2 J	2.2 J	1.4 J	1.1 J	1.3 J	0.82 J	0.82 J	0.70 J	0.71 J	1.2 J	0.72 J	1.0 J	0.82 J	0.88 J	0.96 J	--	--	--	50
Nickel	µg/L	5.2	20	2.0 J	0.94 J	1.1 J	1.3 J	0.73 J	0.75 J	0.73 J	0.76 J	0.76 J	0.70 J	0.71 J	0.78 J	0.73 J	0.89 J	--	--	--	--
Zinc	µg/L	320	370	160	46	38	34	29	25	23	29	22	21	22	21	20	20 U	--	--	--	5000
Aluminum	mg/L	0.066	0.065	0.085	0.085	0.076	0.084	0.079	0.079	0.080	0.080	0.089	0.084	0.080	0.076	0.077	0.076	--	--	--	0.05 to 0.2
Calcium	mg/L	37	35	37	37	36	37	36	37	37	36	38	37	36	36	36	36	--	--	--	--
Iron	mg/L	0.066 J	0.10 U	0.021 J	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.043 J	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	0.3
Magnesium	mg/L	13 J-	12 J-	13 J-	13 J-	12 J-	12 J-	13 J-	13 J-	13 J-	12 J-	13 J-	13 J-	13 J-	13 J-	13 J-	13 J-	--	--	--	--
Potassium	mg/L	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.6	--	--	--	--
Sodium	mg/L	11	11	11	11	11	11	11	11	11	11	12	11	11	11	11	11	--	--	--	--
Tin	mg/L	0.0016 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0020 U	0.020 U	0.020 U	0.020 U	0.0021 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															120	--	--	--	--
Chloride	mg/L	Not Sampled															3.0	--	--	--	250
Fluoride	mg/L	Not Sampled															0.14 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															40.5 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.050 U	--	--	--	--

Notes:
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(U) = Not detected above the listed reporting limit
(J) = Estimated

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.
Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.
Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.
Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a "J" qualifier after the number.

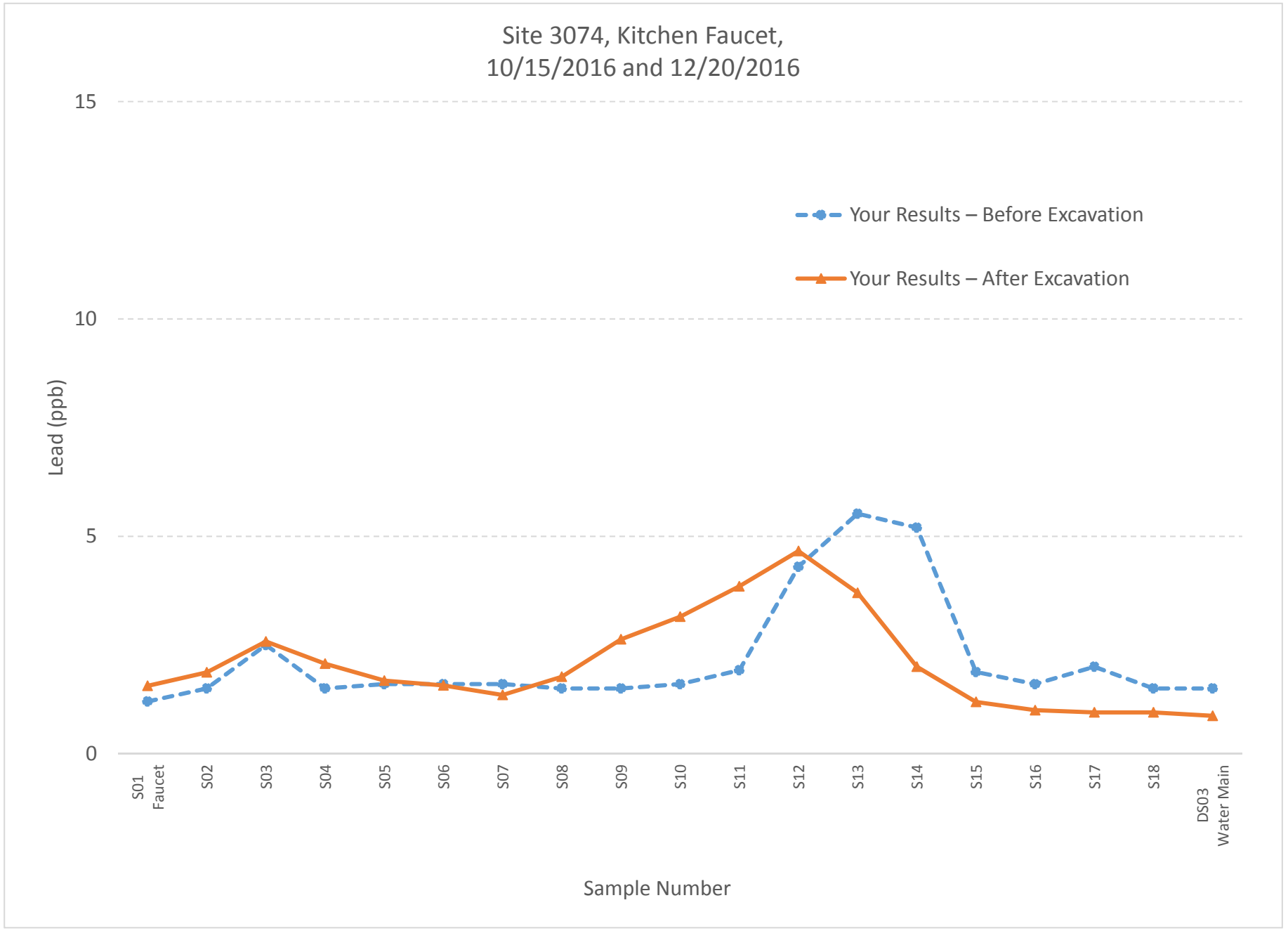
Site 3071 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 11/18/2016																Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.03 J	0.08 J	0.08 J	0.03 J	0.20 U	0.02 J	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.02 J	0.20 U	0.20 U	0.20 U	0.20 U	5	--	5	--
Chromium	µg/L	0.84 U	0.88 U	0.88 U	0.79 U	0.78 U	0.83 U	0.80 U	0.79 U	0.86 U	0.85 U	0.87 U	0.83 U	0.82 U	0.94 U	0.86 U	0.86 U	100	--	100	--
Copper	µg/L	31	34.5	16.3	11.7	4.4	4.2	4.2	4.5	3.8	3.4	3.5	3.4	3.8	3.6	3.3	2.7	--	1300	1300	1000
Lead	µg/L	7.0	6.0	6.5	10.8	7.7	7.4	8.3	10.6	16.1	17.4	17.3	15.6	12.2	8.0	6.6	4.4	--	15	0	--
Manganese	µg/L	3.3	1.4	2.8	2.0	1.2	0.82 J	0.83 J	0.68 J	0.63 J	0.67 J	0.73 J	0.70 J	0.74 J	0.84 J	0.89 J	0.64 J	--	--	--	50
Nickel	µg/L	2.4	4.9	1.1	1.0	0.71	0.69	0.71	0.71	0.72	0.68	0.70	0.68	0.69	0.70	0.71	0.68	--	--	--	--
Tin	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.08 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--
Zinc	µg/L	135	235	132	54.8	40.2	38.9	33.6	27.4	24.0	22.0	22.0	20.5	20.3	23.1	20.4	12.6	--	--	--	5000
Aluminum	mg/L	0.0630	0.0496	0.0706	0.0761	0.0538	0.0522	0.0511	0.0509	0.0500	0.0495	0.0492	0.0483	0.0463	0.046	0.0451	0.0407	--	--	--	0.05 to 0.2
Calcium	mg/L	35.8	36.7	37.2	36.9	38.3	37.5	38.5	37.3	37.9	37.1	38.2	37.2	37.6	37.2	37.5	37.2	--	--	--	--
Iron	mg/L	0.0673 U	0.0198 U	0.0352 U	0.101	0.073 U	0.0284 U	0.0288 U	0.0264 U	0.0211 U	0.100 U	0.0202 U	0.0200 U	0.0223 U	0.0214 U	0.100 U	0.100 U	--	--	--	0.3
Magnesium	mg/L	12.3	12.1	12.4	12.2	12.4	12.1	12.4	12.1	12.4	12.1	12.4	12.1	12.3	12.1	12.2	12.2	--	--	--	--
Potassium	mg/L	1.59	1.65	1.70	1.65	1.65	1.66	1.70	1.61	1.72	1.63	1.66	1.65	1.74	1.64	1.66	1.67	--	--	--	--
Sodium	mg/L	11.1	11.4	11.4	11.3	11.5	11.4	11.6	11.3	11.6	11.3	11.6	11.3	11.4	11.3	11.6	11.5	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															104	--	--	--	--
Chloride	mg/L	Not Sampled															17.0	--	--	--	250
Fluoride	mg/L	Not Sampled															0.130	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															30.0	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.177	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.
Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.
Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.
Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a "J" qualifier after the number.


Site 3074, Kitchen Faucet,
10/15/2016 and 12/20/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3074 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/15/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	0.86 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	1.9 U	1.9 U	2.5 U	1.9 U	1.9 U	1.7 U	2.0 U	1.9 U	1.7 U	1.5 U	1.7 U	1.7 U	1.8 U	1.9 U	2.7 U	2.0 U	1.7 U	1.8 U	1.9 U	100	--	100	--
Copper	µg/L	42	29	7.7 U	4.7 U	4.1 U	3.8 U	4.0 U	3.7 U	3.4 U	3.2 U	3.1 U	3.4 U	3.1 U	3.3 U	3.8 U	3.1 U	5.4 U	2.9 U	3.9 U	--	1300	1300	1000
Lead	µg/L	1.2 J	1.5 J	2.5	1.5 J	1.6 J	1.6 J	1.6 J	1.5 J	1.5 J	1.6 J	1.9 J	4.3	5.3	5.2	1.7 J	1.6 J	2.0	1.5 J	1.5 J	--	15	0	--
Lead (Duplicate)	µg/L	0.99	1.30	1.49	1.44	1.46	1.44	1.40	1.34	1.38	1.51	1.92	3.90	5.52	4.75	1.88	1.51	1.43	1.38	1.33	--	15	0	--
Manganese	µg/L	0.93 U	0.83 U	1.7 U	1.0 U	1.6 U	1.1 U	1.0 U	0.96 U	1.0 U	1.8 U	3.4 U	4.5	5.4	7.9	0.96 U	0.76 U	0.96 U	0.68 U	0.71 U	--	--	--	50
Nickel	µg/L	1.8 U	0.83 U	1.4 U	0.62 U	0.62 U	0.59 U	0.61 U	0.63 U	0.60 U	0.55 U	0.55 U	0.63 U	0.60 U	0.64 U	0.64 U	0.70 U	1.5 U	0.61 U	0.63 U	--	--	--	--
Zinc	µg/L	280	72	17 J	13 J	8.6 J	9.6 J	8.4 J	8.9 J	7.0 J	6.7 J	6.5 J	6.1 J	7.4 J	5.7 J	5.9 J	5.8 J	8.6 J	6.1 J	7.8 J	--	--	--	5000
Aluminum	mg/L	0.080 J-	0.090 J-	0.094 J-	0.095 J-	0.093 J-	0.10 J-	0.092 J-	0.10 J-	0.096 J-	0.093 J-	0.097 J-	0.10 J-	0.10 J-	0.12 J-	0.086 J-	0.092 J-	0.086 J-	0.092 J-	0.090 J-	--	--	--	0.05 to 0.2
Calcium	mg/L	38 J	36 J	37 J	37 J	37 J	38 J	37 J	40 J	38 J	36 J	35 J	38 J	37 J	38 J	34 J	35 J	34 J	36 J	36 J	--	--	--	--
Iron	mg/L	0.021 U	0.022 U	0.024 U	0.021 U	0.14	0.025 U	0.022 U	0.024 U	0.018 U	0.025 U	0.055 U	0.060 U	0.066 U	0.11	0.021 U	0.017 U	0.016 U	0.016 U	0.10 U	--	--	--	0.3
Magnesium	mg/L	13 J+	13 J+	13 J+	13 J+	13 J+	13 J+	13 J+	14 J+	13 J+	13 J+	12 J+	14 J+	13 J+	13 J+	12 J+	13 J+	12 J+	13 J+	13 J+	--	--	--	--
Potassium	mg/L	1.6	1.6	1.6	1.7	1.6	1.7	1.7	1.8	1.7	1.6	1.6	1.7	1.6	1.7	1.5	1.5	1.5	1.6	1.6	--	--	--	--
Sodium	mg/L	12 J+	12 J+	12 J+	12 J+	12 J+	12 J+	12 J+	13 J+	12 J+	12 J+	11 J+	12 J+	12 J+	12 J+	11 J+	12 J+	11 J+	12 J+	12 J+	--	--	--	--
Tin	mg/L	0.0022 U	0.0019 U	0.0019 U	0.020 U	0.020 U	0.020 U	0.0019 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0017 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		120	--	--	--	--
Chloride	mg/L	Not Sampled																		3.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.14 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		32.3 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated
(J+) = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
(J-) = Potential low bias (based on laboratory quality checks, the actual value may be slightly higher than what is reported here).

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.

Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a "J" qualifier after the number.

Site 3074 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 12/20/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5	--	5	--
Chromium	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	100	--	100	--
Copper	µg/L	74.7	72.7	31.1	8.98	7.84	5.92	4.24	3.97	3.57	3.66	3.32	3.51	3.02	3.05	2.91	2.85	2.97	2.84	3.01	--	1300	1300	1000
Lead	µg/L	1.56	1.87	2.58	2.07	1.68	1.57	1.35	1.77	2.63	3.15	3.85	4.66	3.70	2.00	1.19	1.00	0.95	0.95	0.87	--	15	0	--
Zinc	µg/L	331	70.6	29.8	21.3	21.1	26.8	15.0	13.4	11.9	12.2	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	--	--	--	5000
Manganese	µg/L	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	--	--	--	50
Nickel	µg/L	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	--	--	--	--
Aluminum	mg/L	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	--	--	--	0.05 to 0.2
Calcium	mg/L	35.7	35.8	36.9	37.5	37.2	35.9	35.1	35.4	35.0	35.6	35.7	35.5	35.2	35.6	35.8	35.3	34.6	35.6	35.2	--	--	--	--
Iron	mg/L	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	--	--	--	0.3
Magnesium	mg/L	12.3	12.0	12.4	12.5	12.5	12.4	12.0	12.1	11.9	12.2	12.2	12.1	12.1	12.2	12.3	12.1	11.9	12.2	12.1	--	--	--	--
Potassium	mg/L	1.62	1.67	1.74	1.73	1.72	1.65	1.62	1.63	1.65	1.65	1.64	1.64	1.62	1.64	1.65	1.62	1.63	1.65	1.63	--	--	--	--
Sodium	mg/L	10.9	10.9	11.4	11.3	11.3	11.0	10.8	10.8	10.8	11.0	10.8	10.8	10.7	10.9	11.0	10.8	10.8	11.0	10.8	--	--	--	--
Tin	mg/L	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		110	--	--	--	--
Chloride	mg/L	Not Sampled																		17.7	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.09	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		30.7	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.15	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
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Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.

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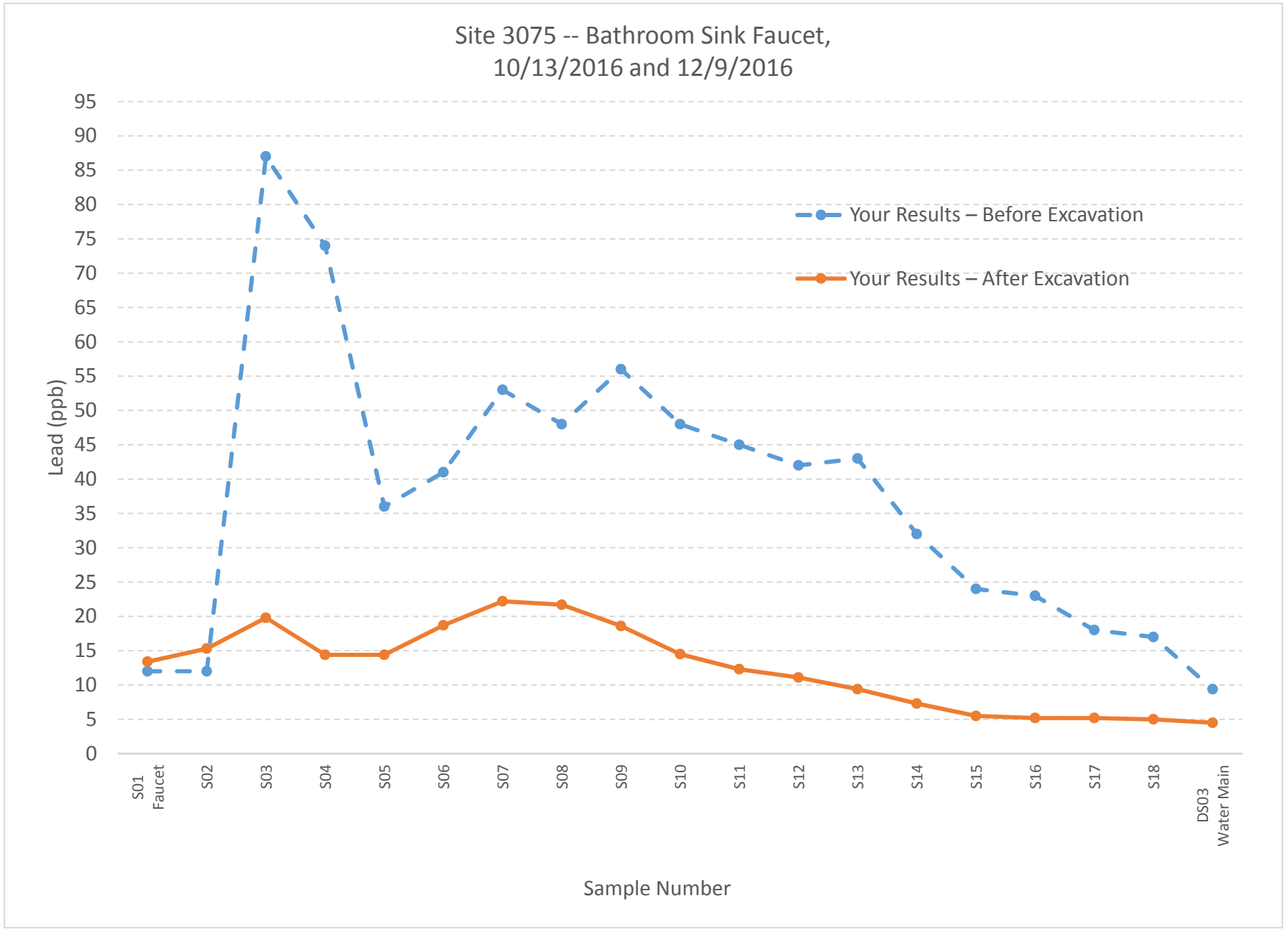

Site 3075 -- Bathroom Sink Faucet,
10/13/2016 and 12/9/2016
Lead (ppb)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3075 -- Bathroom Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/13/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	3.1 U	3.6 U	3.8 U	3.0 U	3.1 U	3.6 U	3.5 U	2.6 U	4.2	4.2	4.3	4.4	5.0	4.7	5.1	6.3	3.8 U	4.1	3.5 U	100	--	100	--
Copper	µg/L	6.9 U	2.3 U	13	9.7 U	5.3 U	4.1 U	4.0 U	3.9 U	3.8 U	3.2 U	3.2 U	2.7 U	3.1 U	2.9 U	2.8 U	9.1 U	2.4 U	2.1 U	2.0 U	--	1300	1300	1000
Lead	µg/L	12	12	87	74	36	41	53	48	56	48	45	42	43	32	24	23	18	17	9.4	--	15	0	--
Manganese	µg/L	3.9 J	2.9 J	15	12	4.2	3.6 J	3.4 J	4.9	3.5 J	3.0 J	3.1 J	3.0 J	3.4 J	3.2 J	2.7 J	4.1	2.0 J	2.0 J	1.5 J	--	--	--	50
Nickel	µg/L	7.9	3.3 U	3.5 U	2.7 U	2.8 U	2.3 U	5.8	4.3	3.5 U	4.1	33	3.0 U	3.0 U	2.8 U	2.8 U	4.2	2.3 U	2.2 U	2.0 U	--	--	--	--
Zinc	µg/L	380	210	240	190	69	43	42	40	50	35	120	28.0	31	34	28	27	21	20	9.1 J	--	--	--	5000
Aluminum	mg/L	0.069	0.080	0.20	0.17	0.12	0.11	0.11	0.11	0.12	0.11	0.11	0.11	0.12	0.12	0.11	0.10	0.10	0.10	0.15	--	--	--	0.05 to 0.2
Calcium	mg/L	35	35	35	34	35	35	34	35	38	34	35	36	38	37	38	35	35	35	36	--	--	--	--
Iron	mg/L	0.058 J	0.093 J	0.80	0.59	0.30	0.12	0.12	0.14	0.20	0.12	0.10	0.11	0.098 J	0.092 J	0.068 J	0.064 J	0.054 J	0.052 J	0.065 J	--	--	--	0.3
Magnesium	mg/L	12	12	12	12	12	12	12	12	13	12	12	12	13	13	13	12	12	12	12	--	--	--	--
Potassium	mg/L	1.6	1.5	1.5	1.5	1.5	1.6	1.5	1.6	1.7	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.7	--	--	--	--
Sodium	mg/L	11	11	11	11	11	11	11	11	12	11	11	11	12	12	12	11	11	11	11	--	--	--	--
Tin	mg/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0068 J	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		110	--	--	--	--
Chloride	mg/L	Not Sampled																		1.0 J	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.17 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		32.3 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated
(J+) = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
(J-) = Potential low bias (based on laboratory quality checks, the actual value may be slightly higher than what is reported here).

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.

Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a "J" qualifier after the number.

Site 3075 -- Bathroom Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

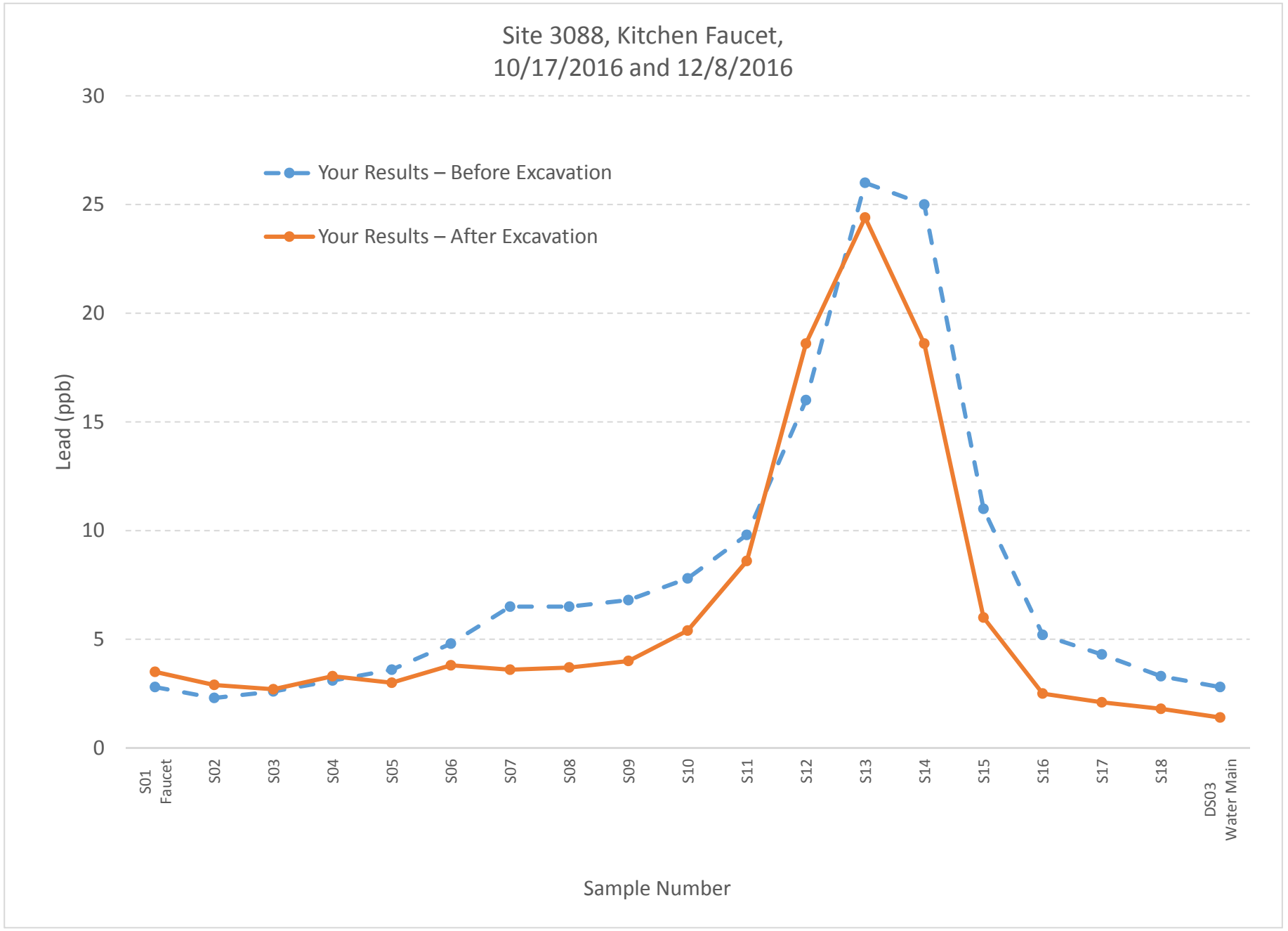
Parameter	Units	Your Results - After Excavation on 12/9/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.09 J	0.11 J	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	5	--	5	--
Chromium	µg/L	0.32 U	0.29 U	0.31 U	0.32 U	0.31 U	0.34 U	0.32 U	0.33 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.37 U	0.34 U	0.36 U	0.38 U	0.33 U	0.30 U	100	--	100	--
Copper	µg/L	8.8	1.7	4.7	2.2	2.1	2.1	1.5	1.5	1.3	1.3	1.1	1.1	0.96 U	7.5	0.9 U	0.88 U	0.91 U	0.87 U	0.81 U	--	1300	1300	1000
Lead	µg/L	13.4	15.3	19.8	14.4	14.4	18.7	22.2	21.7	18.6	14.5	12.3	11.1	9.4	7.3	5.5	5.2	5.2	5.0	4.5	--	15	0	--
Manganese	µg/L	4.7	2.4	1.1	0.53 J	0.42 J	0.46 J	0.48 J	0.64 J	0.61 J	0.66 J	0.79 J	0.78 J	0.88 J	1.0 J	1.0	1.0	1.1	0.99 J	1.0	--	--	--	50
Nickel	µg/L	24.9	2.0	13.0	3.2	2.2	2.0	2.2	3.3	1.2	1.1	0.93	1.1	1.0	1.1	0.89	1.0	0.84	0.78	0.68	--	--	--	--
Tin	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.14 J	1.0 U	1.0 U	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--
Zinc	µg/L	633 J+	294 J+	87.8 J+	34.4 J+	25.8 J+	21.3 J+	17.2 J+	17.2 J+	14.0 J+	12.4 J+	11.7 J+	11.5 J+	11.2 J+	11.3 J+	10.7 J+	10.7 J+	10.8 J+	9.5 J+	7.0 J+	--	--	--	5000
Aluminum	mg/L	0.0452	0.0589	0.0708	0.0604	0.0599	0.0547	0.0485	0.0486	0.0419	0.0377	0.0392	0.0390	0.0404	0.0441	0.0490	0.0469	0.0460	0.0476	0.0446	--	--	--	0.05 to 0.2
Calcium	mg/L	34.8	34.3	34.7	35.4	34.8	35.6	35.1	35.6	35.7	35.3	35.5	35.1	35.3	34.7	35.3	35.1	35.5	35.3	35.6	--	--	--	--
Iron	mg/L	0.0354 J	0.141	0.112	0.0269 J	0.0252 J	0.0142 J	0.0155 J	0.0264 J	0.0317 J	0.100 U	0.0217 J	0.0298 J	0.0293 J	0.0220 J	0.0153 J	0.0385 J	0.0458 J	0.0155 J	0.0252 J	--	--	--	0.3
Magnesium	mg/L	12.0	11.8	11.9	12.1	12.0	12.2	12.0	12.2	12.3	12.1	12.2	12.0	12.2	12.1	12.3	12.2	12.3	12.3	12.4	--	--	--	--
Potassium	mg/L	1.59	1.59	1.61	1.64	1.60	1.61	1.61	1.60	1.61	1.64	1.59	1.60	1.63	1.63	1.62	1.62	1.60	1.66	1.64	--	--	--	--
Sodium	mg/L	11.0	10.9	11.1	11.2	11.1	11.3	11.1	11.3	11.3	11.2	11.2	11.1	11.3	11.2	11.2	11.2	11.4	11.3	11.5	--	--	--	--
Total Alkalinity	mg/L	Not Sampled																		106	--	--	--	--
Chloride	mg/L	Not Sampled																		17.3	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.102	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		26.4	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.202	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated
(J+) = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
(J-) = Potential low bias (based on laboratory quality checks, the actual value may be slightly higher than what is reported here).
Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.
Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.

Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a “J” qualifier after the number.


Site 3088, Kitchen Faucet,
10/17/2016 and 12/8/2016
Your Results – Before Excavation
Your Results – After Excavation
Lead (ppb)
30
25
20
15
10
5
0
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3088 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/17/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	2.3 U	2.4 U	2.6 U	2.6 U	2.7 U	3.0 U	3.2 J	2.5 U	2.7 U	2.9 U	2.9 U	2.7 U	2.8 U	3.0 U	3.0 U	3.1 U	4.2 U	3.0 U	1.7 U	100	--	100	--
Copper	µg/L	100	220	270	81	43	22	11	6.4 U	6.2 U	5.7 U	6.7 U	7.8 U	5.4 U	4.8 U	4.8 U	4.5 U	4.6 U	4.3 U	4.3 U	--	1300	1300	1000
Lead	µg/L	2.8	2.3	2.6	3.1	3.6	4.8	6.5	6.5	6.8	7.8	9.8	16	26	25	11	5.2	4.3	3.3	2.8	--	15	0	--
Lead (Duplicate)	µg/L	2.54	2.09	2.33	2.76	3.03	4.15	5.73	6.09	6.44	6.91	8.43	15.6	24.4	24.4	10.4	4.87	3.94	2.88	2.32	--	15	0	--
Manganese	µg/L	1.1 J	0.92 J	0.95 J	0.92	1.0 J	1.1 J	1.3 J	1.1 J	0.98 J	1.3 J	1.9 J	1.3 J	1.2 J	1.2 J	1.2 J	1.1 J	1.1 J	1.1 J	0.93 J	--	--	--	50
Nickel	µg/L	4.0	1.3 U	0.98 U	0.97 U	1.2 U	1.0 U	1.0 U	0.69 U	0.73 U	0.87 U	0.97 U	0.95 U	0.92 U	0.86 U	0.81 U	0.79 U	0.73 U	0.72 U	0.94 U	--	--	--	--
Zinc	µg/L	150	33	27	27	43	30	53	43	34	44	41	17 J	14 J	12 J	12 J	12 J	11 J	9.5 J	8.3 J	--	--	--	5000
Aluminum	mg/L	0.059	0.066	0.054	0.086	0.094	0.091	0.089	0.083	0.083	0.085	0.088	0.080	0.095	0.088	0.085	0.082	0.082	0.086	0.092	--	--	--	0.05 to 0.2
Calcium	mg/L	35	35	35	39	38	37	37	36	36	38	38	35	39	36	35	36	36	36	39	--	--	--	--
Iron	mg/L	0.10 U	0.081 J	0.10 U	0.032 J	0.020 J	0.022 J	0.029 J	0.021 J	0.023 J	0.031 J	0.091 J	0.034 J	0.025 J	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.017 J	--	--	--	0.3
Magnesium	mg/L	12	12	13	13	13	12	13	12	12	13	13	12	13	12	12	12	12	12	13	--	--	--	--
Potassium	mg/L	1.6	1.7	1.6	1.8	1.7	1.7	1.7	1.6	1.6	1.7	1.7	1.5	1.8	1.6	1.6	1.6	1.6	1.6	1.8	--	--	--	--
Sodium	mg/L	11	11	11	12	12	11	12	11	11	12	12	11	12	11	11	11	11	11	12	--	--	--	--
Tin	mg/L	0.0023 J	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		120	--	--	--	--
Chloride	mg/L	Not Sampled																		3.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.15 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		40.5	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
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(U) = Not detected above the listed reporting limit
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Site 3088 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 12/8/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5	--	5	--
Chromium	µg/L	0.46 U	0.46 U	0.40 U	0.36 U	0.43 U	0.46 U	0.37 U	0.44 U	0.43 U	0.42 U	0.44 U	0.48 U	0.38 U	0.36 U	0.38 U	0.42 U	0.38 U	0.34 U	0.38 U	100	--	100	--
Copper	µg/L	44.4	54.8	27.9	15.5	13.9	20.8	7.1	6.0	6.6	3.9	6.1	6.3	3.7	4.2	3.4	3.6	3.3	3.0	2.6	--	1300	1300	1000
Lead	µg/L	3.5	2.9	2.7	3.3	3.0	3.8	3.6	3.7	4.0	5.4	8.6	18.6	24.4	18.6	6.0	2.5	2.1	1.8	1.4	--	15	0	--
Manganese	µg/L	0.89 U	0.24 U	0.22 U	0.41 U	0.41 U	0.62 U	0.40 U	0.43 U	0.72 U	0.98 U	6.1	0.60 U	0.40 U	0.55 U	0.93 U	1.1	1.1	0.95 U	0.88 U	--	--	--	50
Nickel	µg/L	2.5	0.78	1.1	0.78	0.68	0.74	0.56	0.58	0.58	0.57	0.58	0.58	0.60	0.65	0.65	0.7	0.64	2.0	0.53	--	--	--	--
Zinc	µg/L	205 J+	36.4 J+	29.1 J+	28.5 J+	19.8 J+	32.9 J+	70.2 J+	53.6 J+	52.8 J+	57.2 J+	36.5 J+	14.2 J+	11.1 J+	12.2 J+	10.1 J+	10.8 J+	9.9 J+	10.1 J+	6.6 J+	--	--	--	5000
Aluminum	mg/L	0.0548	0.0565	0.0648	0.0649	0.0539	0.0549	0.0526	0.0485	0.0466	0.0443	0.0459	0.0468	0.0454	0.0505	0.0495	0.0483	0.0447	0.0450	0.0406	--	--	--	0.05 to 0.2
Calcium	mg/L	36.2	36.5	37.2	36.9	36.2	36.2	36.4	36.2	35.6	36.2	36.6	36.3	35.7	36.4	35.8	36.9	36.9	36.9	35.5	--	--	--	--
Iron	mg/L	0.100 U	0.121	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.0673 J	0.127	0.0398 J	0.100 U	0.0383 J	0.0260 J	0.0186 J	0.100 U	0.100 U	0.0180 J	--	--	--	0.3
Magnesium	mg/L	12.4	12.4	12.5	12.5	12.4	12.4	12.6	12.6	12.3	12.5	12.6	12.5	12.3	12.5	12.4	12.7	12.7	12.7	12.2	--	--	--	--
Potassium	mg/L	1.73	1.78	1.83	1.80	1.76	1.73	1.75	1.74	1.72	1.72	1.76	1.74	1.73	1.75	1.74	1.79	1.80	1.78	1.72	--	--	--	--
Sodium	mg/L	11.8	11.8	12.0	12.1	11.9	11.8	11.9	11.8	11.7	11.8	11.9	11.8	11.6	11.8	11.7	12.0	12.0	12.0	11.5	--	--	--	--
Tin	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		104	--	--	--	--
Chloride	mg/L	Not Sampled																		16.5	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.118	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		26.0	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.200	--	--	--	--

Notes:
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(J) = Estimated
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Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

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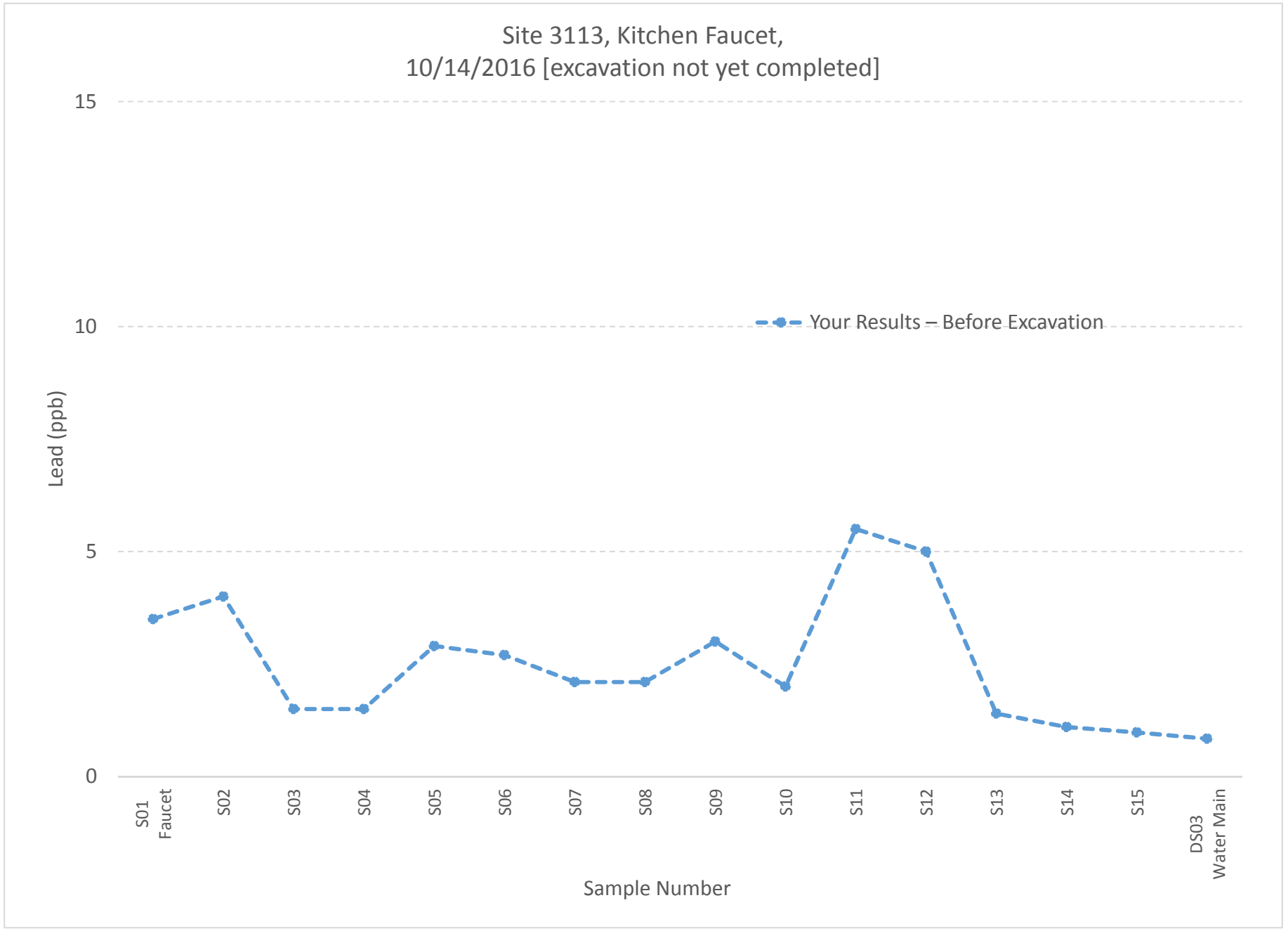
Site 3113, Kitchen Faucet,
10/14/2016 [excavation not yet completed]
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
DS03 Water Main
Sample Number

Site 3113 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/14/2016																Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	0.55 U	2.0 U	2.0 U	2.0 U	2.0 U	0.69 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	1.6 U	1.8 U	1.6 U	2.0 U	1.8 U	1.9 U	1.8 U	2.2 U	2.0 U	1.9 U	1.8 U	1.6 U	1.7 U	1.9 U	1.9 U	1.8 U	100	--	100	--
Copper	µg/L	7.6 U	3.5 U	2.5 U	2.3 U	2.2 U	3.6 U	2.6 U	3.0 U	2.9 U	2.3 U	2.4 U	2.2 U	3.0 U	2.0 U	1.9 U	1.8 U	--	1300	1300	1000
Lead	µg/L	3.5	4.0	1.5 J	1.5 J	2.9	2.7	2.1	2.1	3.0	2.0	5.5	5.0	1.4 J	1.1 J	0.98 J	0.84 J	--	15	0	--
Manganese	µg/L	2.2 J	5.7	3.2 J	1.8 J	2.6 J	1.9 J	1.7 J	2.1 J	1.9 J	1.6 J	1.4 J	1.1 J	1.1 J	1.2 J	1.1 J	1.1 J	--	--	--	50
Nickel	µg/L	1.8 U	0.86 U	0.70 U	0.76 U	0.71 U	0.80 U	0.73 U	1.1 U	1.0 U	0.87 U	0.83 U	0.74 U	22	0.77 U	0.74 U	0.70 U	--	--	--	--
Zinc	µg/L	190	220	150	42	32	28	28	30	29	26	22	20	110	20 U	18 J	14 J	--	--	--	5000
Aluminum	mg/L	0.10	0.083	0.098	0.13	0.15	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.095	0.098	0.098	0.092	--	--	--	0.05 to 0.2
Calcium	mg/L	35 J-	36 J-	38 J-	36 J-	37 J-	36 J-	37 J-	39 J-	37 J-	35 J-	35 J-	38 J-	36 J-	36 J-	38 J-	35 J-	--	--	--	--
Iron	mg/L	0.11	0.29	0.10	0.10	0.21	0.11	0.10	0.12	0.096 U	0.071 U	0.065 U	0.050 U	0.033 U	0.034 U	0.039 U	0.036 U	--	--	--	0.3
Magnesium	mg/L	13	12	13	13	13	13	13	13	13	12	12	13	13	13	13	12	--	--	--	--
Potassium	mg/L	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.8	1.8	1.5	1.6	1.7	1.6	1.6	1.7	1.6	--	--	--	--
Sodium	mg/L	11	11	12	11	11	11	12	12	12	11	11	12	11	12	12	11	--	--	--	--
Tin	mg/L	0.0022 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0018 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															120	--	--	--	--
Chloride	mg/L	Not Sampled															1.0 J	--	--	--	250
Fluoride	mg/L	Not Sampled															0.16 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															32.3 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.050 U	--	--	--	--

Notes:
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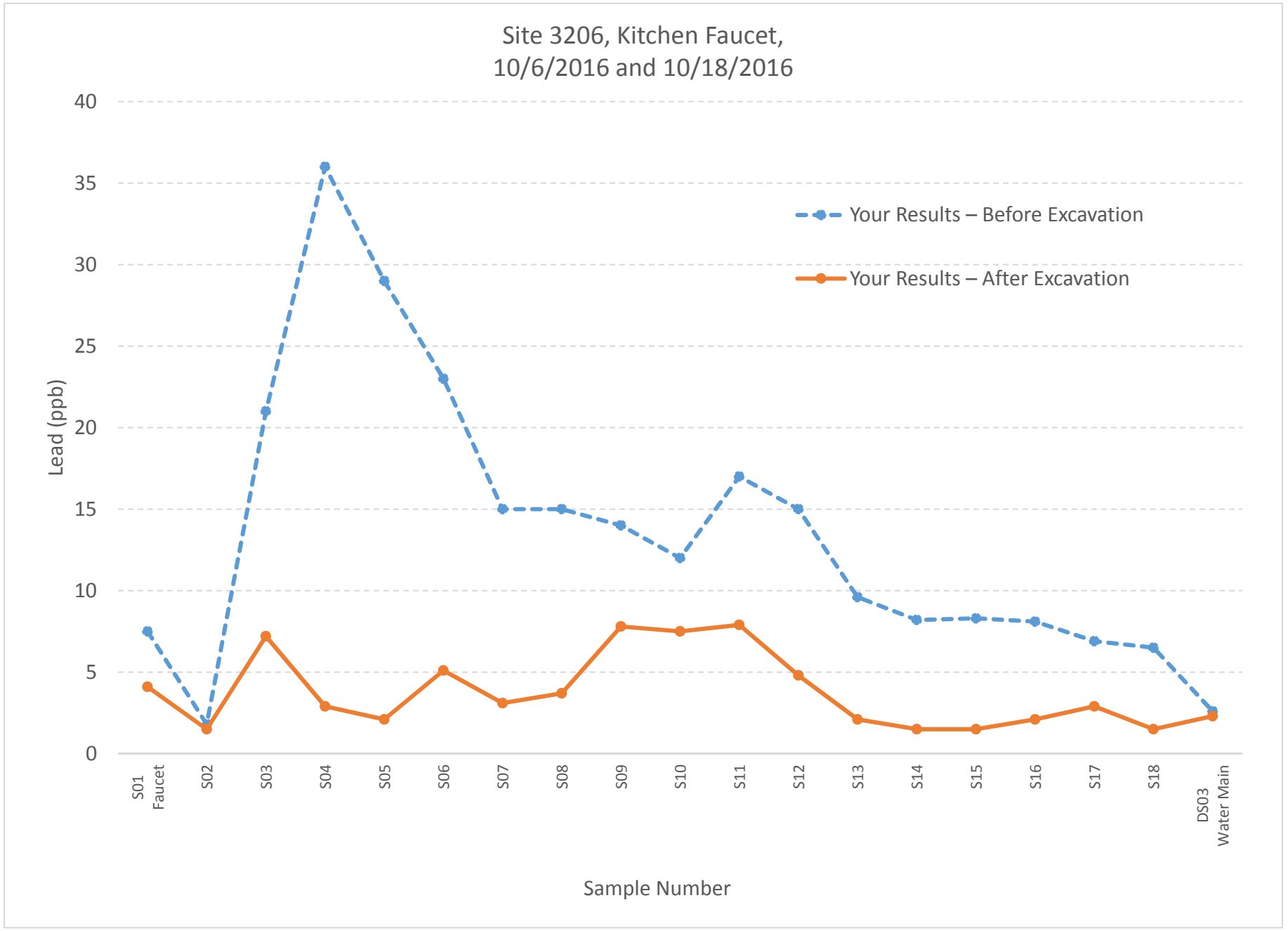
Site 3206, Kitchen Faucet,
10/6/2016 and 10/18/2016
Lead (ppb)
40
35
30
25
20
15
10
5
0
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3206 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/6/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	0.58 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	3.1 U	3.2 U	3.4 U	3.3 U	3.3 U	3.3 U	3.2 U	3.1 U	3.1 U	3.2 U	3.2 U	3.1 U	3.1 U	3.1 U	3.3 U	3.3 U	3.3 U	3.3 U	2.2 U	100	--	100	--
Copper	µg/L	40	5.8 U	7.7 U	8.2 U	6.6 U	18	7.7 U	4.3 U	4.9 U	4.0 U	3.8 U	3.4 U	3.3 U	3.4 J	3.3 U	3.2 U	3.1 J	3.1 U	1.5 U	--	1300	1300	1000
Lead	µg/L	7.5	1.8 J	21	36	29	23	15	15	14	12	17	15	9.6	8.2	8.3	8.1	6.9	6.5	2.6	--	15	0	--
Manganese	µg/L	7.3	4.5	14	26	19	13	8.8	10	9.5	7.6	6.6	6.7	5.9	5.3	6.8	5.2	4.5	4.1	1.6 J	--	--	--	50
Nickel	µg/L	2.8 U	2.0 U	2.0 U	2.0 U	1.8 U	1.8 U	1.7 U	1.7 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.8 U	1.7 U	0.94 U	--	--	--	--
Zinc	µg/L	550 B	220 B	150 B	120 B	140 B	68 B	46 B	65 B	65 B	36 B	36 B	50 B	42 B	29 B	48 B	72 B	57 B	45 B	11 U	--	--	--	5000
Aluminum	mg/L	0.11	0.087	0.18	0.19	0.17	0.14	0.12	0.14	0.15	0.12	0.12	0.12	0.14	0.13	0.13	0.13	0.13	0.12	0.12	--	--	--	0.05 to 0.2
Calcium	mg/L	36 J	36 J	37 J	37 J	36 J	35 J	34 J	37 J	38 J	36 J	38 J	38 J	36 J	37 J	37 J	37 J	37 J	35 J	36 J	--	--	--	--
Iron	mg/L	0.15 J+	0.24 J+	0.36 J+	0.37 J+	0.26 J+	0.27 J+	0.15 J+	0.18 J+	0.16 J+	0.11 J+	0.099 U	0.089 U	0.083 U	0.018 U	0.11 J+	0.062 U	0.057 U	0.048 U	0.032 U	--	--	--	0.3
Magnesium	mg/L	13 J	12 J	13 J	13 J	12 J	12 J	12 J	13 J	13	12 J	13 J	13 J	13 J	13 J	13 J	13 J	13 J	12 J	12 J	--	--	--	--
Potassium	mg/L	1.7	1.6	1.7	1.7	1.7	1.6	1.5	1.7	1.7	1.6	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	--	--	--	--
Sodium	mg/L	11 J+	11 J+	12 J+	12 J+	11 J+	11 J+	11 J+	12 J	12 J	11 J	12 J	12 J	12 J	12 J	12 J	12 J	12 J	11 J	11 J	--	--	--	--
Tin	mg/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0037 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		110	--	--	--	--
Chloride	mg/L	Not Sampled																		1.0 J	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.50 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		23.9 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.0077 J	--	--	--	--

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Site 3206 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 10/18/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																	Distribution System				
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)					
Cadmium	µg/L	2.5	2.0 U	0.67 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.60 U	1.3 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	5.0	3.1 U	3.0 U	3.0 U	2.9 U	3.1 U	3.3 U	3.0 U	2.9 U	3.3 U	3.3 U	2.8 U	2.8 U	3.1 U	3.2 U	3.5 U	4.7	2.9 U	3.2 U	100	--	100	--
Copper	µg/L	33	69	18	5.2 J	3.7 J	4.2 J	4.7 J	6.9 J	9.3 J	5.8 J	14	3.8 J	3.8 J	3.3 J	3.4 J	4.1 J	4.7 J	3.2 J	35	--	1300	1300	1000
Lead	µg/L	4.1	1.5 U	7.2	2.9	2.1	5.1	3.1	3.7	7.8	7.5	7.9	4.8	2.1	1.5 U	1.5 U	2.1	2.9	1.5 U	2.3	--	15	0	--
Manganese	µg/L	3.4 J	0.68 U	1.9 J	0.82 U	0.82 U	1.7 J	1.4 J	1.7 J	2.9 J	1.6 J	0.71 U	0.79 U	1.0 J	1.9 J	0.99 U	1.9 J	2.7 J	1.6 J	0.98 U	--	--	--	50
Nickel	µg/L	6.9	2.6 U	2.4 U	1.8 U	1.7 U	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	1.7 U	1.8 U	2.3 U	3.1 U	1.8 U	1.9 U	--	--	--	--
Zinc	µg/L	80	31	20 U	17 J	19 J	18 J	17 J	17 J	19 J	18 J	17 J	7.2 U	7.4 U	6.0 U	5.9 U	6.9 U	8.1 U	5.9 U	24	--	--	--	5000
Aluminum	mg/L	0.11	0.17	0.13	0.15	0.13	0.17	0.13	0.15	0.14	0.13	0.14	0.13	0.12	0.10	0.11	0.11	0.14	0.13	0.11	--	--	--	0.05 to 0.2
Calcium	mg/L	40	49	35	43	38	47	43	49	46	42	44	44	42	39	41	41	52	44	40	--	--	--	--
Iron	mg/L	0.037 U	0.039 U	0.12	0.075 U	0.039 U	0.15	0.083 U	0.082 U	0.17	0.10	0.039 U	0.037 U	0.030 U	0.028 U	0.028 U	0.026 U	0.036 U	0.026 U	0.026 U	--	--	--	0.3
Magnesium	mg/L	13	16	11	14	12	15	14	16	16	14	15	15	14	13	14	14	17	15	14	--	--	--	--
Potassium	mg/L	1.7	2.1	1.6	1.9	1.7	2.1	1.9	2.1	2.0	1.8	1.9	1.9	1.8	1.7	1.8	1.8	2.2	1.9	1.7	--	--	--	--
Sodium	mg/L	12	15	10	12	11	14	13	15	14	13	13	13	12	11	12	12	15	13	12	--	--	--	--
Tin	mg/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		130	--	--	--	--
Chloride	mg/L	Not Sampled																		3.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.15 J	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		32.3 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.050 U	--	--	--	--

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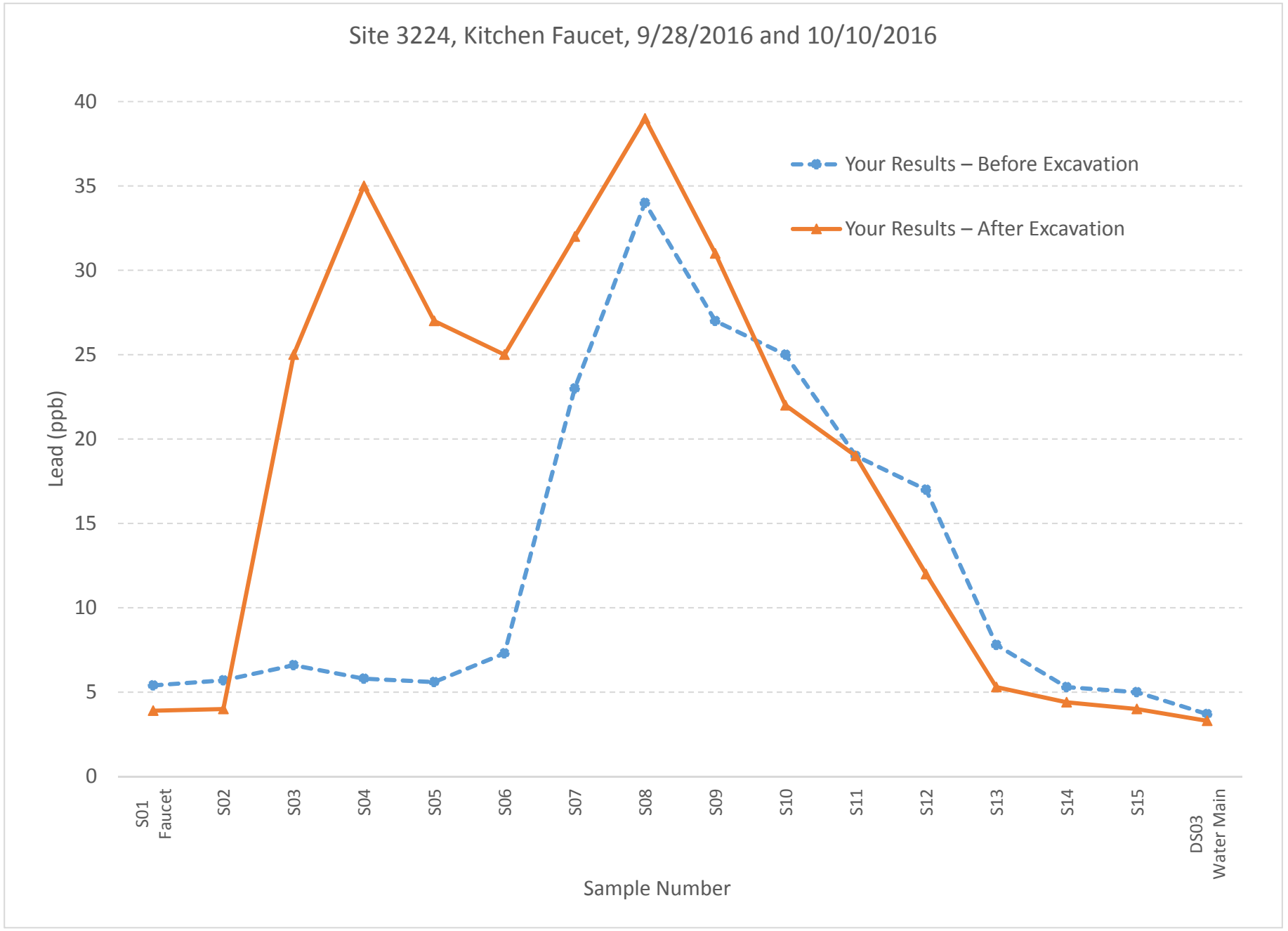
Site 3224, Kitchen Faucet, 9/28/2016 and 10/10/2016
Lead (ppb)
40
35
30
25
20
15
10
5
0
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
DS03 Water Main
Sample Number

Site 3224 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 9/28/2016																Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	2.5 U	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.9 U	3.1 U	2.9 U	2.5 U	2.5 U	2.4 U	2.4 U	2.4 U	100	--	100	--
Copper	µg/L	10	1.6 J	4.9 J	1.6 J	2.0 J	2.0 J	1.8 J	2.6 J	1.8 J	3.4 J	2.3 J	1.9 J	10 U	10 U	1.5 J	10 U	--	1300	1300	1000
Lead	µg/L	5.4	5.7	6.6	5.8	5.6	7.3	23	34	27	25	19	17	7.8	5.3	5.0	3.7	--	15	0	--
Lead (Duplicate)	µg/L	4.25	4.62	4.87	4.56	4.32	6.11	19.6	28.6	23.0	20.2	15.9	14.5	6.31	4.28	4.07	3.02	--	15	0	--
Manganese	µg/L	4.5	5.3	1.4 J	1.3 J	0.99 J	1.7 J	2.2 J	0.97 J	1.6 J	2.2 J	1.3 J	1.1 J	1.2 J	1.3 J	1.3 J	1.4 J	--	--	--	50
Nickel	µg/L	5.6	1.6 J	4.8	1.8 J	1.8 J	2.0 J	1.7 J	2.8 J	2.5 J	3.5 J	1.9 J	2.1 J	1.7 J	1.6 J	1.8 J	1.6 J	--	--	--	--
Zinc	µg/L	160	120	37	25	27	120	94	29	21	22	18 J	19 J	16 J	17 J	18 J	11 J	--	--	--	5000
Aluminum	mg/L	0.070	0.095	0.087	0.089	0.088	0.088	0.085	0.088	0.086	0.089	0.088	0.090	0.075	0.071	0.069	0.064	--	--	--	0.05 to 0.2
Calcium	mg/L	35 J	35 J	35 J	36 J	35 J	35 J	35 J	35 J	34 J	35 J	35 J	36 J	34 J	35 J	35 J	35 J	--	--	--	--
Iron	mg/L	0.24	0.26	0.053 J	0.046 J	0.033 J	0.041 J	0.043 J	0.039 J	0.029 J	0.021 J	0.022 J	0.022 J	0.020 J	0.020 J	0.025 J	0.10 U	--	--	--	0.3
Magnesium	mg/L	14	14	14	14	14	14	13	14	13	14	14	14	13	14	14	14	--	--	--	--
Potassium	mg/L	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.4	1.5	1.5	1.5	--	--	--	--
Sodium	mg/L	12 J+	12 J+	12 J+	12 J+	12 J+	12 J+	12 J+	12 J+	11 J+	12 J+	12 J+	12 J+	11 J+	12 J+	12 J+	12 J+	--	--	--	--
Tin	mg/L	0.0041 J	0.0023 J	0.020 U	0.020 U	0.0027 J	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0025 J	0.0018 J	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															120	--	--	--	--
Chloride	mg/L	Not Sampled															3.0	--	--	--	250
Fluoride	mg/L	Not Sampled															0.50 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															48.8 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.050	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
U = Not detected above the listed reporting limit
J = Estimated
(J+) = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
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Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.
Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

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Site 3224 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 10/10/2016																Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	4.1 U	3.2 U	7.7 U	3.5 U	4.2 U	3.1 U	4.7 U	3.6 U	3.6 U	5.3 U	3.9 U	3.5 U	3.4 U	3.6 U	4.9 U	3.7 U	100	--	100	--
Copper	µg/L	2.0 J	10 U	4.3 J	3.1 J	2.4 J	2.4 J	1.8 J	1.5 J	10 U	1.9 J	10 U	10 U	10 U	10 U	10 U	10 U	--	1300	1300	1000
Lead	µg/L	3.9	4.0	25	35	27	25	32	39	31	22	19	12	5.3	4.4	4.0	3.3	--	15	0	--
Manganese	µg/L	5.7	2.3 J	4.1	4.4	3.5 J	2.7 J	2.1 J	1.7 J	1.5 J	1.5 J	1.9 J	1.2 J	1.1	1.2 J	2.0 J	1.2 J	--	--	--	50
Nickel	µg/L	2.2 U	1.7 U	3.4 U	2.0 U	2.2 U	1.8 U	2.7 U	2.1 U	2.0 U	2.7 U	2.3 U	2.0 U	2.0 U	2.1 U	2.6 U	2.4 U	--	--	--	--
Zinc	µg/L	140 J+	67 J+	110 J+	130 J+	90 J+	140 J+	100 J+	42 J+	34 J+	33 J+	23 J+	21 J+	21 J+	19 U	27 J+	14 U	--	--	--	5000
Aluminum	mg/L	0.078 J	0.079 J-	0.11 J-	0.13 J-	0.11 J-	0.11 J-	0.094 J-	0.098 J-	0.10 J-	0.092 J-	0.095 J-	0.092 J-	0.092 J-	0.092 J-	0.092 J-	0.091 J	--	--	--	0.05 to 0.2
Calcium	mg/L	34 J	34 J	35 J	35 J	35 J	36	33 J	36 J	35 J	34 J	36 J	34 J	36 J	35 J	34 J	33 J	--	--	--	--
Iron	mg/L	0.68 J-	0.13 J	0.38 J	0.50 J-	0.38 J-	0.30 J	0.14 J-	0.13 J-	0.094 U	0.055 U	0.12 J-	0.036 U	0.026 U	0.026 U	0.085 U	0.029 J	--	--	--	0.3
Magnesium	mg/L	12 J	12 J	12 J	12 J	12 J	13 J	12 J	12 J	12 J	12 J	12 J	12 J	13 J	12 J	12 J	12 J	--	--	--	--
Potassium	mg/L	1.6	1.5	1.6	1.6	1.6	1.7	1.5	1.60	1.6	1.8	1.7	1.6	1.6	1.6	1.5	1.5	--	--	--	--
Sodium	mg/L	11 J+	11 J+	12 J+	11 J+	11 J+	12 J+	11 J+	12 J+	12 J+	11 J+	12 J+	11 J+	12 J+	11 J+	11 J+	11 J+	--	--	--	--
Tin	mg/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															120	--	--	--	--
Chloride	mg/L	Not Sampled															3.0	--	--	--	250
Fluoride	mg/L	Not Sampled															0.17 J	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															40.5 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
U = Not detected above the listed reporting limit
J = Estimated
J+ = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
J- = Potential low bias (based on laboratory quality checks, the actual value may be slightly higher than what is reported here).

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

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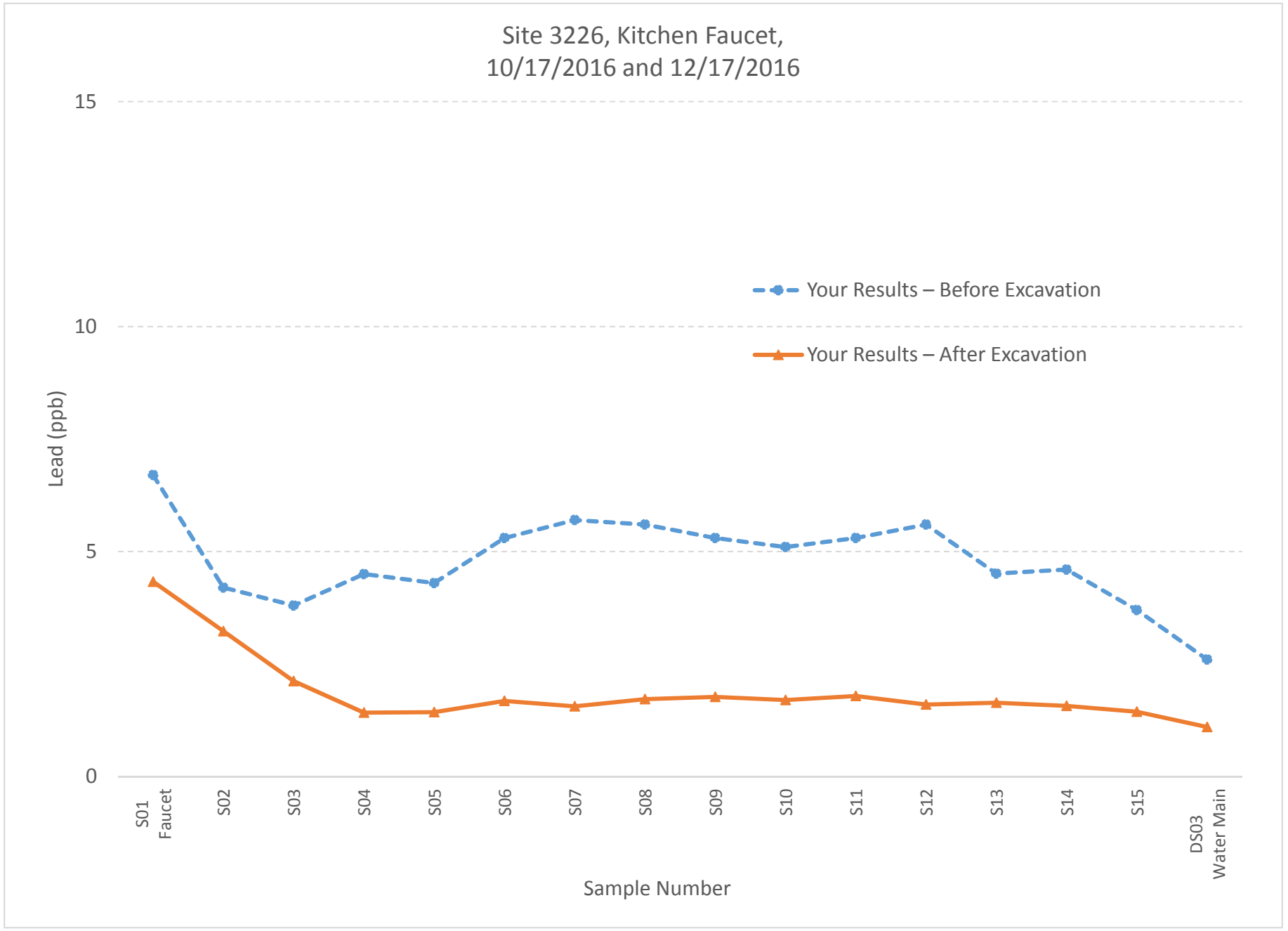
Site 3226, Kitchen Faucet,
10/17/2016 and 12/17/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
DS03 Water Main
Sample Number

Site 3226 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/17/2016															Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink														Distribution System				
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)					
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	3.2 U	3.1 U	2.9 U	3.0 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.1 U	3.2 U	3.3 U	3.2 U	3.2 U	3.1 U	3.1 U	100	--	100	--
Copper	µg/L	13 J	1.8 J	1.7 J	1.5 J	1.9 J	1.5 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.9 J	10 U	--	1300	1300	1000
Lead	µg/L	6.7 J+	4.2 J+	3.8 J+	4.5 J+	4.3 J+	5.3 J+	5.7 J+	5.6 J+	5.3 J+	5.1 J+	5.3 J+	5.6 J+	4.4 J+	4.6 J+	3.7 J+	2.6 J+	--	15	0	--
Lead (Duplicate)	µg/L	5.68	3.80	3.42	4.02	4.11	4.83	5.22	5.03	4.84	4.83	4.81	4.88	4.51	3.99	3.47	2.37	--	15	0	--
Manganese	µg/L	5.2 J	5.4 J	1.6 J	1.1 J	1.0 J	0.75 J	0.63 J	0.68 J	0.58 J	4.0 U	0.56 J	0.85 J	0.57 J	1.2 J	0.62 J	0.75 J	--	--	--	50
Nickel	µg/L	6.0 J	1.9 U	2.3 U	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	1.7 U	1.6 U	1.7 U	2.0 U	1.7 U	2.1 U	1.7 U	1.7 U	--	--	--	--
Zinc	µg/L	110 J	62 J	37 J	25 J	46 J	76 J	48 J	28 J	19 J	17 J	16 J	17 J	15 J	18 J	15 J	12 J	--	--	--	5000
Aluminum	mg/L	0.088 J	0.082 J	0.078 J	0.12 J	0.074 J	0.080 J	0.076 J	0.077 J	0.079 J	0.091 J	0.092 J	0.095 J	0.088 J	0.093 J	0.090	0.089 J	--	--	--	0.05 to 0.2
Calcium	mg/L	38	35	36	36	34	36	36	37	36	37	37	38	34	37	36	37	--	--	--	--
Iron	mg/L	0.31 J-	0.41 J-	0.044 J-	0.080 J-	0.082 J-	0.10 U	0.10 U	0.10 U	0.10 U	0.025 J-	0.020 J-	0.019 J-	0.017 J-	0.017 J-	0.017 J-	0.058 J-	--	--	--	0.3
Magnesium	mg/L	13 J-	12 J-	12 J-	12 J-	12 J-	12 J-	12 J-	13 J-	13 J-	12 J-	12 J-	13 J-	12 J-	13 J-	12 J-	13 J-	--	--	--	--
Potassium	mg/L	1.7 J-	1.6 J-	1.6 J-	1.6 J-	1.5 J-	1.6 J-	1.6 J-	1.6 J-	1.6 J-	1.7 J-	1.7 J-	1.7 J-	1.5 J-	1.6 J-	1.6 J-	1.6 J-	--	--	--	--
Sodium	mg/L	12	11	11	11	10	11	11	11	11	11	11	12	11	11	11	12	--	--	--	--
Tin	mg/L	0.0022 J+	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															120	--	--	--	--
Chloride	mg/L	Not Sampled															3.0	--	--	--	250
Fluoride	mg/L	Not Sampled															0.15 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															40.5 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
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(U) = Not detected above the listed reporting limit
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Site 3226 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 12/17/2016																Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5	--	5	--
Chromium	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	100	--	100	--
Copper	µg/L	29.2	10.7	5.25	1.04	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1300	1300	1000
Lead	µg/L	4.33	3.23	2.12	1.42	1.43	1.68	1.56	1.72	1.77	1.70	1.79	1.60	1.64	1.57	1.44	1.10	--	15	0	--
Zinc	µg/L	246	83.8	37.4	15.1	14.2	18.9	21.9	15.1	12.1	11.5	11.0	10.0 U	10.0 U	11.1	10.0 U	10.0 U	--	--	--	5000
Manganese	µg/L	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	--	--	--	50
Nickel	µg/L	42.1	14.6	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	--	--	--	--
Aluminum	mg/L	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	--	--	--	0.05 to 0.2
Calcium	mg/L	33.4	35.0	35.1	34.2	34.1	33.9	33.6	33.2	34.4	33.9	34.5	34.0	33.9	33.6	33.7	34.2	--	--	--	--
Iron	mg/L	0.0831 K	0.105 K	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	--	--	--	0.3
Magnesium	mg/L	12.3	11.9	12.1	11.8	11.8	11.7	11.6	11.5	12.1	11.8	11.9	11.8	11.7	11.6	11.7	11.9	--	--	--	--
Potassium	mg/L	1.69	1.59	1.61	1.58	1.58	1.56	1.55	1.51	1.63	1.57	1.59	1.55	1.56	1.54	1.52	1.57	--	--	--	--
Sodium	mg/L	10.4	10.3	10.5	10.3	10.2	10.2	10.1	9.95	10.4	10.2	10.4	10.1	10.2	10.2	10.1	10.1	--	--	--	--
Tin	mg/L	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															110	--	--	--	--
Chloride	mg/L	Not Sampled															16.5	--	--	--	250
Fluoride	mg/L	Not Sampled															0.09	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															24.4	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.34	--	--	--	--

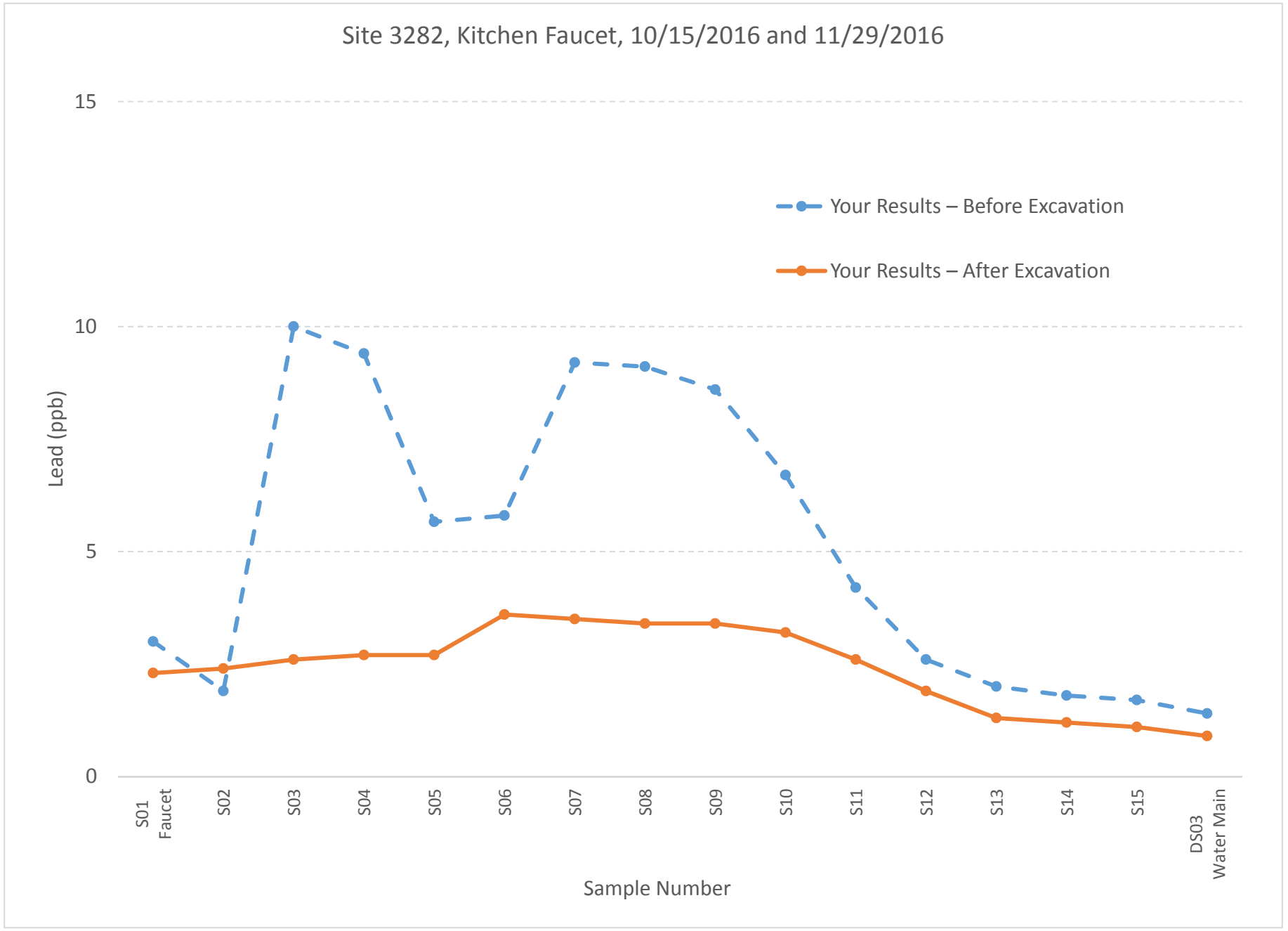
Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.
Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.

Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a “J” qualifier after the number.


Site 3282, Kitchen Faucet, 10/15/2016 and 11/29/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
DS03 Water Main
Sample Number

Site 3282 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/15/2016															Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	2.5 U	2.2 U	2.3 U	2.5 U	2.4 U	2.4 U	2.5 U	2.4 U	2.4 U	2.3 U	2.3 U	2.4 U	2.3 U	2.4 U	2.4 U	2.4 U	100	--	100	--
Copper	µg/L	32	3.7 J-	9.7 J-	4.0 J-	2.2 J-	3.8 J-	3.5 J-	3.2 J-	6.9 J-	6.7 J-	2.2 J-	1.5 J-	1.6 J-	10 U	10 U	10 U	--	1300	1300	1000
Lead	µg/L	3.0	1.9 J	10	9.4	5.3	5.8	9.2	8.5	8.6	6.7	4.2	2.6	2.0 J	1.8 J	1.7 J	1.4 J	--	15	0	--
Lead (Duplicate)	µg/L	2.41	1.53	9.10	7.61	5.66	4.93	7.86	9.11	7.57	6.17	3.89	2.21	1.74	1.63	1.60	1.24	--	15	0	--
Manganese	µg/L	0.63 U	4.0 U	8.0	7.6	3.8 J	3.7 J	6.9	6.5	6.0	4.3	2.4 J	1.3 J	1.2 J	1.1 J	1.1 J	0.97 U	--	--	--	50
Nickel	µg/L	12	0.78 J	4.6	1.1 J	0.73 J	0.76 J	0.83 J	0.80 J	1.2 J	0.84 J	0.72 J	0.83 J	0.89 J	0.74 J	0.75 J	0.70 J	--	--	--	--
Zinc	µg/L	590	300	130	37	20	30	34	88	36	170	41	6.8 J	7.2 J	7.2 J	6.1 J	20 U	--	--	--	5000
Aluminum	mg/L	0.081 J-	0.083 J-	0.14 J-	0.12 J-	0.097 J-	0.11 J-	0.12 J-	0.11 J-	0.12 J-	0.11 J-	0.096 J-	0.093 J-	0.096 J-	0.093 J-	0.090 J-	0.090 J-	--	--	--	0.05 to 0.2
Calcium	mg/L	35 J-	36 J-	36 J-	37 J-	34 J-	37 J-	37 J-	35 J-	36 J-	36 J-	35 J-	36 J-	37 J-	36 J-	35 J-	35 J-	--	--	--	--
Iron	mg/L	0.10 U	0.10 U	0.060 J-	0.048 J-	0.027 J-	0.028 J-	0.041 J-	0.039 J-	0.043 J-	0.032 J-	0.018 J-	0.017 J-	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	0.3
Magnesium	mg/L	12 J-	12 J-	12 J-	13 J-	12 J-	13 J-	13 J-	12 J-	13 J-	12 J-	12 J-	12 J-	13 J-	12 J-	12 J-	12 J-	--	--	--	--
Potassium	mg/L	1.6 J-	1.6 J-	1.6 J-	1.6 J-	1.5 J-	1.6 J-	1.6 J-	1.5 J-	1.6 J-	1.6 J-	1.6 J-	1.6 J-	1.6 J-	1.6 J-	1.5 J-	1.6 J-	--	--	--	--
Sodium	mg/L	11 J-	11 J-	11 J-	11 J-	11 J-	12 J-	12 J-	11 J-	12 J-	11 J-	11 J-	11 J-	12 J-	11 J-	11 J-	11 J-	--	--	--	--
Tin	mg/L	0.0021 J	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															120	--	--	--	--
Chloride	mg/L	Not Sampled															3.0	--	--	--	250
Fluoride	mg/L	Not Sampled															0.17 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															40.5 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated
(J+) = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
(J-) = Potential low bias (based on laboratory quality checks, the actual value may be slightly higher than what is reported here).

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.
Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.
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Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a "J" qualifier after the number.

Site 3282 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 11/29/2016																Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5	--	5	--
Chromium	µg/L	0.43 J	0.39 J	0.39 J	0.38 J	0.36 J	0.39 J	0.39 J	0.41 J	0.37 J	0.39 J	0.38 J	0.43 J	0.38 J	0.39 J	0.42 J	0.38 J	100	--	100	--
Copper	µg/L	12.9	2.8	2.0	1.7	1.4	1.5	1.5	1.2	1.2	1.1	1.1	1.0	1.1	1.0	0.97 J	0.88 J	--	1300	1300	1000
Lead	µg/L	2.3	2.4	2.6	2.7	2.7	3.6	3.5	3.4	3.4	3.2	2.6	1.9	1.3	1.2	1.1	0.90 J	--	15	0	--
Manganese	µg/L	0.82 U	0.60 U	0.66 U	0.37 U	0.54 U	0.68 U	0.47 U	0.49 U	0.63 U	0.81 U	0.90 U	1.3	0.93 J	2.2	0.78 U	0.67 U	--	--	--	50
Nickel	µg/L	1.2	0.58	0.51	0.69	0.50 J	0.50 J	0.50 J	0.48 J	0.51	0.52	0.49 J	0.54	0.51	0.51	0.49 J	0.49 J	--	--	--	--
Tin	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.52 J	--	--	--	--
Zinc	µg/L	243	334	29.1	13.9	13.1	10.6	8.7	8.1	7.9	7.4	7.0	7.3	6.6	6.5	6.1	5.2	--	--	--	5000
Aluminum	mg/L	0.0460	0.0509	0.0581	0.0566	0.0561	0.0530	0.0475	0.0458	0.0469	0.0451	0.0443	0.0434	0.0409	0.0408	0.0412	0.0392	--	--	--	0.05 to 0.2
Calcium	mg/L	33.3	33.6	33.3	33.7	33.3	31.8	33.8	33.3	32.9	33.3	33.0	33.1	33.3	32.8	33.7	33.3	--	--	--	--
Iron	mg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	--	0.3
Magnesium	mg/L	11.9	11.8	11.8	11.9	11.8	11.3	12.0	11.9	11.7	11.9	11.8	11.8	11.9	11.7	12.0	11.9	--	--	--	--
Potassium	mg/L	1.57	1.54	1.55	1.56	1.53	1.48	1.43	1.54	1.47	1.55	1.52	1.53	1.53	1.56	1.49	1.54	--	--	--	--
Sodium	mg/L	11.3	11.2	11.0	11.0	10.9	10.6	10.4	10.9	10.8	11.0	10.8	10.9	10.9	10.8	11.1	11.0	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															104	--	--	--	--
Chloride	mg/L	Not Sampled															16.4	--	--	--	250
Fluoride	mg/L	Not Sampled															0.098 J	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															26.9	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.247	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
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(J) = Estimated

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

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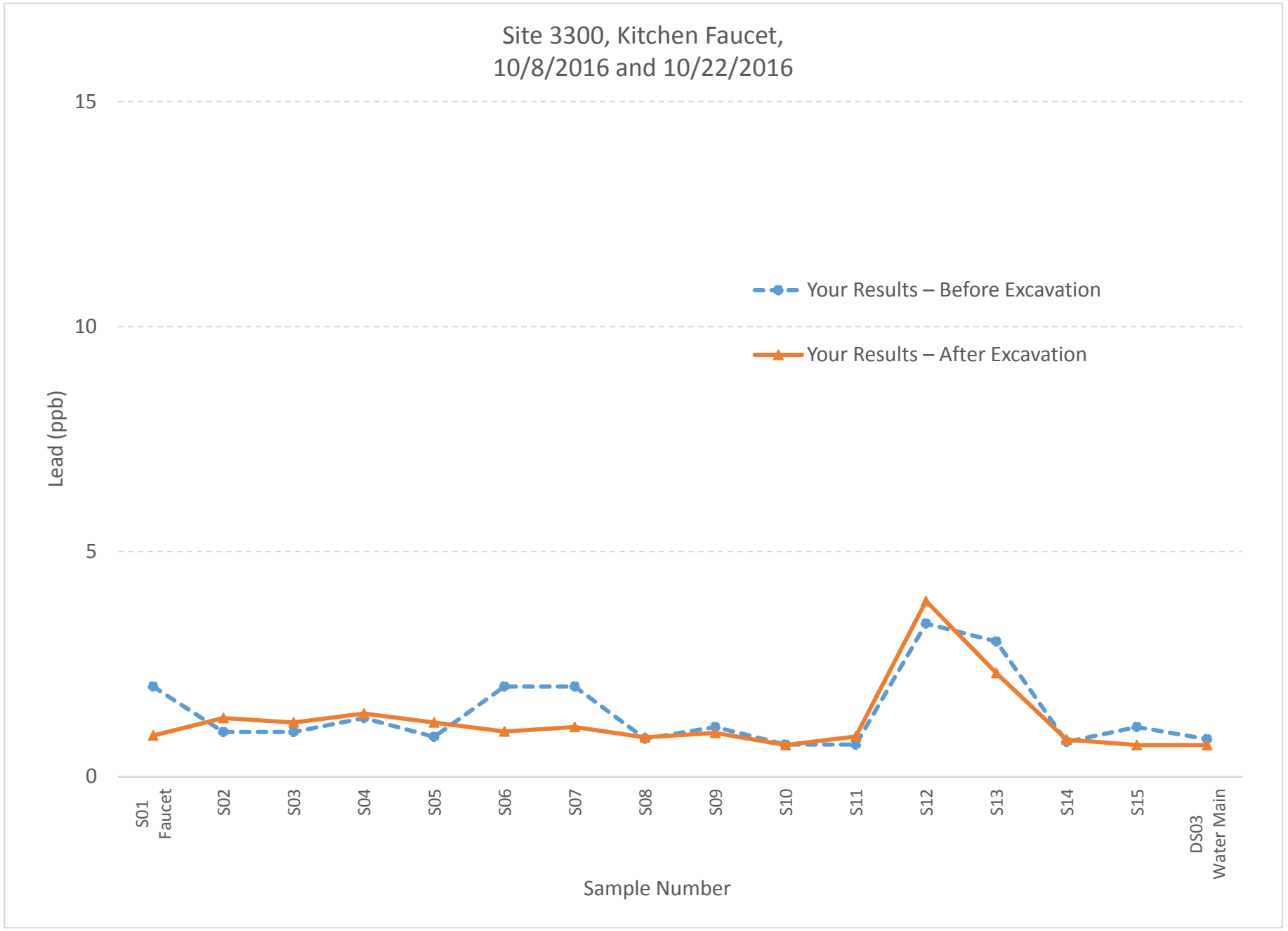
Site 3300, Kitchen Faucet,
10/8/2016 and 10/22/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
DS03 Water Main
Sample Number

Site 3300 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/8/2016																Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	0.66 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	3.2 U	3.2 U	3.3 U	3.3 U	3.3 U	3.2 U	3.8 U	3.3 U	3.5 U	4.3	3.1 U	3.3 U	3.3 U	3.3 U	3.3 U	3.4 U	100	--	100	--
Copper	µg/L	2.0 J	10 U	10 U	9.4 J	10 U	10 U	10 U	1.7 J	1.8 J	2.4 J	10 U	10 U	10 U	10 U	10 U	10 U	--	1300	1300	1000
Lead	µg/L	2.0 U	0.99 J	0.99 J	1.3 J	0.88 J	2.0 U	2.0 U	0.84 J	1.1 J	0.71 J	0.71 J	3.4	3.0	0.77 J	1.1 J	0.83 J	--	15	0	--
Manganese	µg/L	0.76 J	1.1 J	0.92 J	0.87 J	0.81 J	0.71 J	0.65 J	0.78 J	1.1 J	11	0.66 J	0.90 J	0.74 J	0.76 J	0.78 J	1.1 J	--	--	--	50
Nickel	µg/L	1.9 U	1.7 U	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U	1.6 U	2.0 U	2.6 U	1.6 U	1.9 U	1.6 U	1.6 U	1.7 U	2.0 U	--	--	--	--
Zinc	µg/L	59	100	55	62	18 J	17 J	13 J	9.5 U	11 J	15 J	12 J	11 J	8.7 U	8.6 U	9.9 U	6.4 U	--	--	--	5000
Aluminum	mg/L	0.095	0.092	0.092	0.094	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.14	--	--	--	0.05 to 0.2
Calcium	mg/L	36	37	36	37	36	36	38	36	37	37	36	37	36	36	36	36	--	--	--	--
Iron	mg/L	0.024 J	0.028 J	0.024 J	0.066 J	0.12	0.023 J	0.025 J	0.038 J	0.030 J	0.77	0.025 J	0.039 J	0.023 J	0.021 J	0.028 J	0.059 J	--	--	--	0.3
Magnesium	mg/L	13	13	13	13	12	13	13	12	13	13	13	13	13	13	13	12	--	--	--	--
Potassium	mg/L	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	--	--	--	--
Sodium	mg/L	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11	--	--	--	--
Tin	mg/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															100	--	--	--	--
Chloride	mg/L	Not Sampled															3.0	--	--	--	250
Fluoride	mg/L	Not Sampled															0.15 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															23.9 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
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(U) = Not detected above the listed reporting limit
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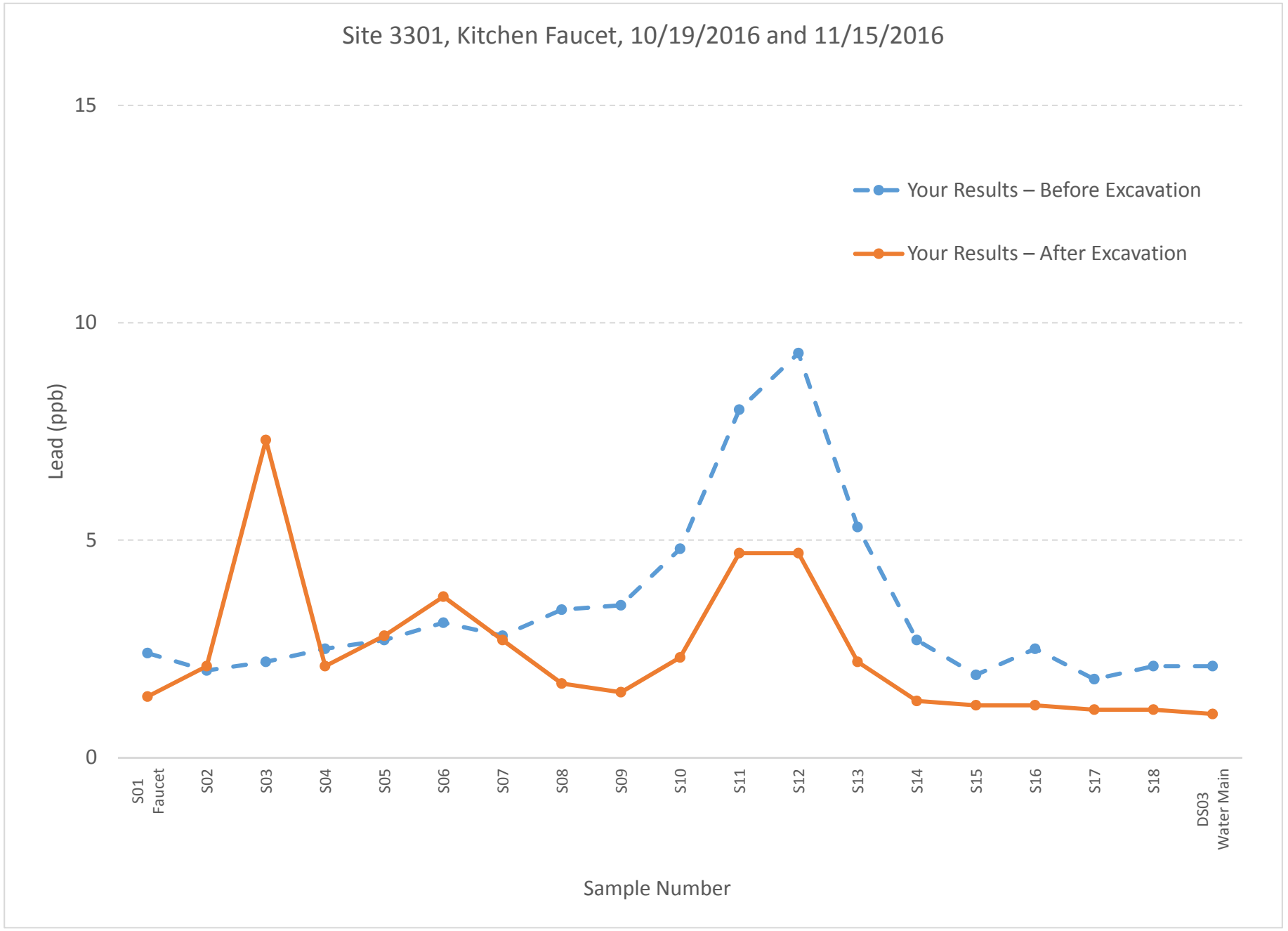
Site 3300 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 10/22/2016															Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.60 U	0.99 U	0.70 U	0.56 U	0.59 U	2.0 U	0.54 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	2.5 U	2.9 U	3.1 U	3.6 U	7.9	3.5 U	3.6 U	3.5 U	3.0 U	2.6 U	2.9 U	3.4 U	3.1 U	3.0 U	2.9 U	3.1 U	100	--	100	--
Copper	µg/L	2.9 U	2.1 U	2.0 U	2.2 U	2.4 U	2.2 U	2.5 U	3.1 U	2.5 U	1.7 U	1.6 U	2.1 U	1.7 U	1.5 U	10 U	10 U1.5 U	--	1300	1300	1000
Lead	µg/L	0.91 J	1.3 J	1.2 J	1.4 J	1.2 J	1.0 J	1.1 J	0.87 J	0.97 J	0.70 J	0.89 J	3.9	2.3	0.82 J	2.0 U	2.0 U	--	15	0	--
Manganese	µg/L	0.84 J	1.1 J	0.97 J	1.1 J	1.3 J	0.82 J	1.2 J	0.92 J	0.90 J	0.56 J	0.75 J	0.83 J	0.65 J	0.80 J	0.62 J	0.73 J	--	--	--	50
Nickel	µg/L	1.4 J	1.1 J	1.3 J	1.3 J	3.2 J	1.2 J	1.3 J	0.92 J	0.91 J	0.72 J	0.76 J	1.1 J	0.97 J	0.76 J	0.73 J	0.84 J	--	--	--	--
Zinc	µg/L	56	100	53	21	22	16 J	14 J	12 J	14 J	13 J	12 J	11 J	9.5 J	9.3 J	8.7 J	7.8 J	--	--	--	5000
Aluminum	mg/L	0.086	0.088	0.096	0.10	0.12	0.089	0.093	0.089	0.091	0.087	0.089	0.091	0.087	0.083	0.084	0.090	--	--	--	0.05 to 0.2
Calcium	mg/L	38	38	39	40	43	36	38	38	39	37	38	37	37	36	36	36	--	--	--	--
Iron	mg/L	0.10 U	0.10 U	0.10 U	0.027 U	0.025 U	0.10 U	0.10 U	0.10 U	0.024 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	--	--	--	0.3
Magnesium	mg/L	13	13	13	13	14	12	13	13	13	13	13	13	13	12	12	12	--	--	--	--
Potassium	mg/L	1.7	1.8	1.9	1.9	2.1	1.7	1.8	1.8	1.8	1.7	1.8	1.7	1.7	1.7	1.7	1.7	--	--	--	--
Sodium	mg/L	12	12	13	13	14	12	12	12	13	12	12	12	12	12	12	11	--	--	--	--
Tin	mg/L	0.0025 U	0.0022 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0022 U	0.0026 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															120	--	--	--	--
Chloride	mg/L	Not Sampled															3.0	--	--	--	250
Fluoride	mg/L	Not Sampled															0.14 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															40.5 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.
Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.
Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.
Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a “J” qualifier after the number.


Site 3301, Kitchen Faucet, 10/19/2016 and 11/15/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3301 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/19/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																	Distribution System				
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)					
Cadmium	µg/L	2.0 U	0.61 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	2.7 U	2.4 U	2.3 U	3.0 U	2.9 U	3.1 U	3.1 U	2.7 U	2.9 U	3.1 U	2.9 U	2.4 U	3.1 U	3.6 U	3.3 U	4.0 U	3.3 U	3.5 U	2.6 U	100	--	100	--
Copper	µg/L	72	3.9 U	3.3 U	3.8 U	4.2 U	5.7 U	2.9 U	2.1 U	2.4 U	2.5 U	2.1 U	1.9 U	2.2 U	2.2 U	1.8 U	2.3 U	1.7 U	1.8 U	2.2 U	--	1300	1300	1000
Lead	µg/L	2.4	2.0 J	2.2	2.5	2.7	3.1	2.8	3.4	3.5	4.8	8.0	9.3	5.3	2.7	1.9 J	2.5	1.8 J	2.1	2.1	--	15	0	--
Lead (Duplicate)	µg/L	1.63	1.62	2.12	2.14	2.27	2.50	2.70	3.01	3.09	4.04	6.95	7.67	3.83	1.75	1.50	1.47	1.46	1.63	1.58	--	15	0	--
Manganese	µg/L	5.1	3.1 U	1.2 U	1.1 U	1.1 U	1.1 U	0.82 U	0.89 U	0.90 U	0.86 U	0.75 U	0.72 U	0.99 U	1.2 U	0.96 U	1.2 U	0.92 U	1.1 U	1.0 U	--	--	--	50
Nickel	µg/L	2.5 U	0.61 U	0.63 U	0.58 U	0.57 U	0.67 U	0.52 U	0.60 U	0.61 U	0.69 U	0.57 U	0.57 U	1.1 U	0.95 U	0.68 U	0.91 U	0.66 U	0.72 U	0.97 U	--	--	--	--
Zinc	µg/L	140	110	45	30	30	26	17 J	16 J	16 J	17 J	13 J	11 J	12 J	13 J	10 J	13 J	9.7 J	9.8 J	7.3 J	--	--	--	5000
Aluminum	mg/L	0.078	0.089	0.098	0.090	0.096	0.097	0.084	0.093	0.098	0.090	0.083	0.098	0.088	0.082	0.083	0.081	0.080	0.087	0.077	--	--	--	0.05 to 0.2
Calcium	mg/L	38	36	36	33	36	36	32	36	37	35	33	37	36	36	37	36	35	38	36	--	--	--	--
Iron	mg/L	0.032 U	0.019 U	0.030 U	0.10 U	0.020 U	0.019 U	0.10 U	0.10 U	0.061 U	0.10 U	0.017 U	0.018 U	0.10 U	0.023 U	0.021 U	0.10 U	0.017 U	0.070 U	0.10 U	--	--	--	0.3
Magnesium	mg/L	13	12	12	11	12	12	11	12	13	12	11	13	12	13	13	12	12	13	12	--	--	--	--
Potassium	mg/L	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.6	1.5	1.4	1.6	1.5	1.5	1.6	1.5	1.5	1.6	1.5	--	--	--	--
Sodium	mg/L	11	11	11	10	11	11	9.8	11	11	11	10	11	11	11	11	11	11	11	11	--	--	--	--
Tin	mg/L	0.0017 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		130 J-	--	--	--	--
Chloride	mg/L	Not Sampled																		1.0 J	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.14 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		40.6 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated
(J+) = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
(J-) = Potential low bias (based on laboratory quality checks, the actual value may be slightly higher than what is reported here).

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

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Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.

Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a "J" qualifier after the number.

Site 3301 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 11/15/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.27	0.61	0.31	0.11 J	0.12 J	0.08 J	0.07 J	0.06 J	0.06 J	0.05 J	0.04 J	0.05 J	0.04 J	0.04 J	0.03 J	0.04 J	0.03 J	0.03 J	0.03 J	5	--	5	--
Chromium	µg/L	0.46 U	0.51 U	0.62 U	0.55 U	0.55 U	0.57 U	0.56 U	0.58 U	0.62 U	0.58 U	0.59 U	0.58 U	0.56 U	0.58 U	0.58 U	0.58 U	0.59 U	0.57 U	0.62 U	100	--	100	--
Copper	µg/L	61.5	3.9	3.8	3.0	5.1	18.3	6.5	3.0	3.2	2.7	2.4	2.3	2.1	2.1	1.9	2.0	1.8	1.8	1.5	--	1300	1300	1000
Lead	µg/L	1.4	2.1	7.3	2.1	2.8	3.7	2.7	1.7	1.5	2.3	4.7	4.7	2.2	1.3	1.2	1.2	1.1	1.1	1.0	--	15	0	--
Manganese	µg/L	2.1	1.4	2.1	0.55 J	0.79 J	0.73 J	0.47 J	0.39 J	0.51 J	0.66 J	0.41 J	0.45 J	0.47 J	0.53 J	0.56 J	0.48 J	0.49 J	0.43 J	0.61 J	--	--	--	50
Nickel	µg/L	4.3	0.78	0.72	0.66	0.70	0.84	0.68	0.62	0.65	0.68	0.61	0.73	0.60	0.96	0.66	0.85	0.62	0.60	0.62	--	--	--	--
Zinc	µg/L	127	137	150	25.8	25.6	23.4	16.6	13.3	15.1	13.8	10.8	9.3	8.9	8.9	8.8	8.5	8.0	8.0	6.9	--	--	--	5000
Aluminum	mg/L	0.0424	0.0578	0.121	0.0619	0.0584	0.0617	0.0582	0.0543	0.0551	0.0551	0.0528	0.0500	0.0478	0.0455	0.0454	0.0446	0.0425	0.0425	0.0431	--	--	--	0.05 to 0.2
Calcium	mg/L	33.7	33.7	34.0	33.5	33.5	33.7	33.7	34.3	34.2	34.7	33.3	33.7	33.9	33.3	33.8	33.9	33.6	33.3	33.1	--	--	--	--
Iron	mg/L	0.0245 J	0.0250 J	0.103	0.0242 J	0.0348 J	0.0138 J	0.0220 J	0.0274 J	0.0145 J	0.0213 J	0.0213 J	0.100 U	0.100 U	0.0142 J	0.100 U	0.100 U	0.0196 J	0.0156 J	0.100 U	--	--	--	0.3
Magnesium	mg/L	12.0	12.0	12.0	11.9	11.9	12.0	12.0	12.2	12.2	12.4	11.9	11.9	12.1	11.9	12.1	12.1	12.1	11.9	11.9	--	--	--	--
Potassium	mg/L	1.50	1.55	1.50	1.47	1.49	1.55	1.53	1.52	1.59	1.55	1.52	1.48	1.54	1.51	1.58	1.55	1.51	1.52	1.51	--	--	--	--
Sodium	mg/L	10.5	10.5	10.5	10.3	10.3	10.5	10.5	10.5	10.5	10.8	10.3	10.4	10.6	10.4	10.6	10.5	10.5	10.4	10.4	--	--	--	--
Tin	mg/L	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.00009 J	0.00018 J	0.00008 J	0.00008 J	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		102	--	--	--	--
Chloride	mg/L	Not Sampled																		16.8	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.117	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		28.5	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.187	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

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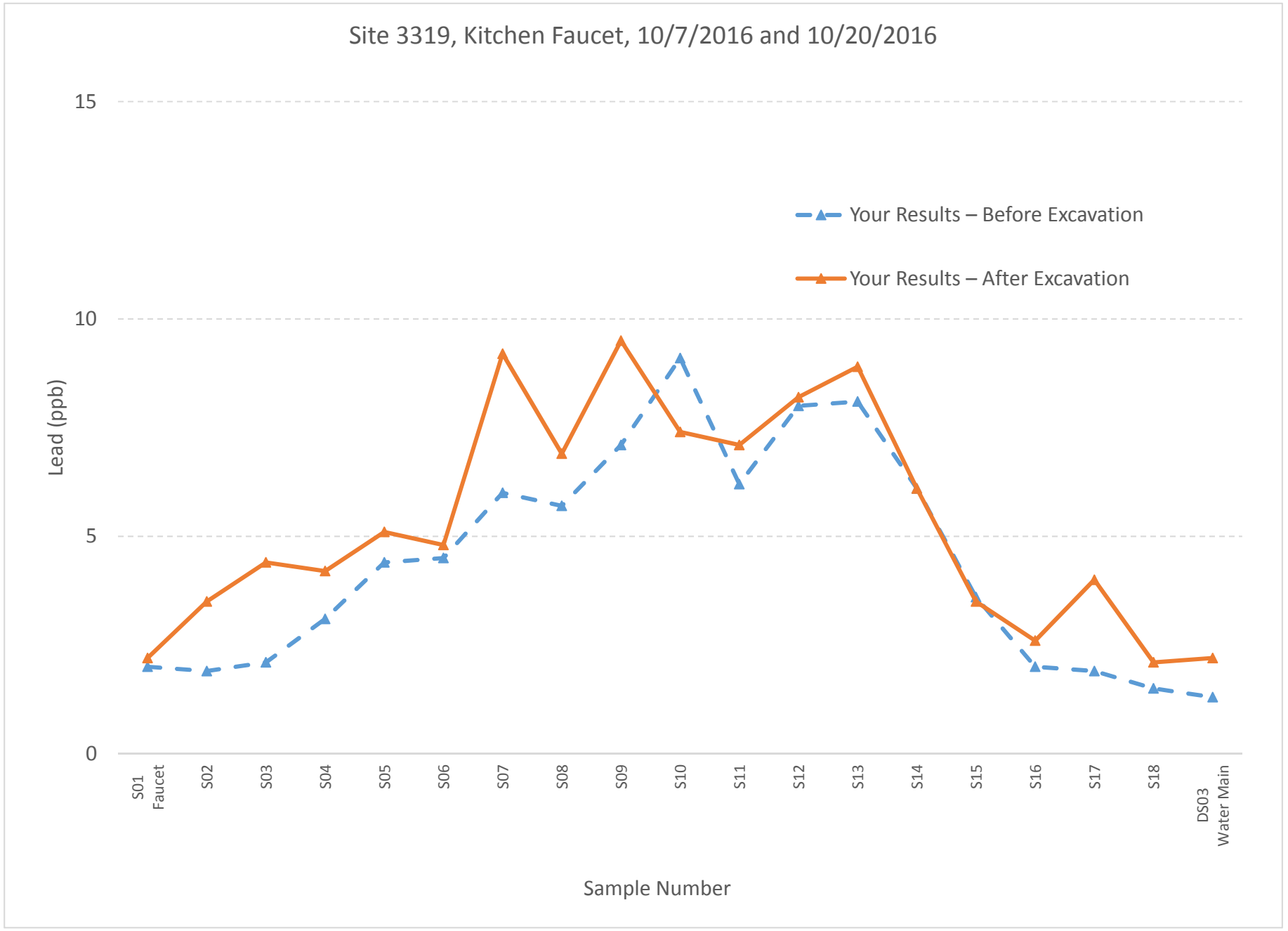

Site 3319, Kitchen Faucet, 10/7/2016 and 10/20/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3319 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/7/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.1 U	1.4 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	3.4 U	3.6 U	3.3 U	4.3 U	3.9 U	4.3 U	4.5 U	4.1 U	4.4 U	5.1 U	5.2 U	5.7 U	4.8 U	4.2 U	4.2 U	4.7 U	5.0 U	4.3 U	4.3 U	100	--	100	--
Copper	µg/L	3.2 U	2.0 U	1.6 U	2.5 U	5.1 U	6.1 U	3.1 U	2.1 U	2.3 U	2.6 U	4.1 U	4.5 U	2.4 U	1.8 U	1.9 U	1.8 U	3.1 U	1.6 U	1.7 U	--	1300	1300	1000
Lead	µg/L	2.0 J	1.9 J	2.1	3.1	4.4	4.5	6.0	5.7	7.1	9.1	6.2	8.0	8.1	6.1	3.6	2.0	1.9 J	1.5 J	1.3 J	--	15	0	--
Manganese	µg/L	2.4 U	2.6 U	2.5 U	1.8 U	2.3 U	3.0 U	3.9 U	4.1	4.5	5.9	4.0	3.3 U	1.4 U	1.2 U	1.5 U	1.9 U	1.7 U	1.4 U	1.4 U	--	--	--	50
Nickel	µg/L	1.7 U	1.6 U	1.1 U	1.7 U	1.5 U	1.8 U	2.0 U	1.6 U	1.9 U	2.3 U	3.3 U	4.0 U	2.0 U	1.3 U	1.5 U	1.7 U	2.1 U	1.4 U	1.5 U	--	--	--	--
Zinc	µg/L	140	46	26	22	18 J	20	32	30	29	31	20	19 J	12 J	11 J	10 J	11 J	11 J	9.4 U	8.0 U	--	--	--	5000
Aluminum	mg/L	0.097	0.098	0.086	0.094	0.11	0.097	0.099	0.10	0.11	0.11	0.12	0.12	0.11	0.12	0.10	0.12	0.12	0.11	0.11	--	--	--	0.05 to 0.2
Calcium	mg/L	35	36	34	37	44	39	39	39	43	40	46	45	40	43	36	40	40	37	38	--	--	--	--
Iron	mg/L	0.085 J	0.24	0.093 J	0.042 J	0.083 J	0.075 J	0.13	0.16	0.18	0.19	0.096 J	0.047 U	0.10 U	0.10 U	0.10 U	0.020 U	0.017 U	0.10 U	0.10 U	--	--	--	0.3
Magnesium	mg/L	12	12	12	13	15	14	14	14	15	14	16	16	14	15	12	14	14	13	13	--	--	--	--
Potassium	mg/L	1.6	1.6	1.5	1.6	1.9	1.7	1.7	1.7	1.9	1.7	2.0	2.0	1.7	1.9	1.5	1.7	1.7	1.6	1.7	--	--	--	--
Sodium	mg/L	11	11	11	12	14	13	13	13	14	13	15	15	13	14	11	12	13	12	12	--	--	--	--
Tin	mg/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		120	--	--	--	--
Chloride	mg/L	Not Sampled																		3.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.16 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		40.5 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.

Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a "J" qualifier after the number.

Site 3319 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

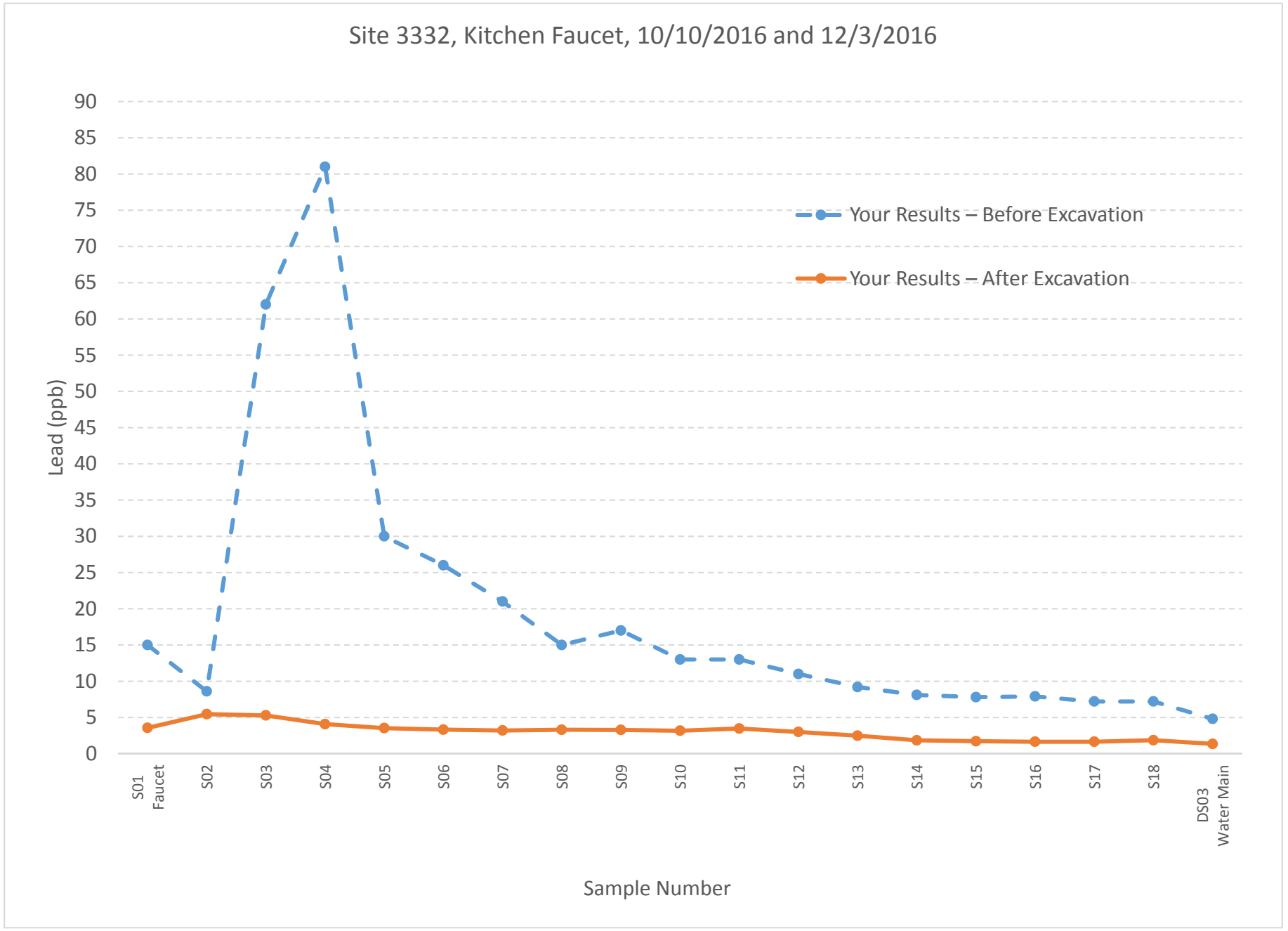
Parameter	Units	Your Results - After Excavation on 10/20/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	3.4 U	3.8 U	3.3 U	3.9 U	3.8 U	3.8 U	5.8 U	3.7 U	3.2 U	3.6 U	3.7 U	3.7 U	3.7 U	3.7 U	3.9 U	3.7 U	3.9 U	4.0 U	3.8 U	100	--	100	--
Copper	µg/L	3.1 J	2.0 J	2.1 J	2.7 J	7.6 J	6.3 J	4.3 J	1.9 J	1.9 J	1.9 J	2.5 J	1.9 J	1.9 J	2.2 J	1.9 J	2.1 J	1.8 J	1.7 J	1.9 J	--	1300	1300	1000
Lead	µg/L	2.2	3.5	4.4	4.2	5.1	4.8	9.2	6.9	9.5	7.4	7.1	8.2	8.9	6.1	3.5	2.6	4.0	2.1	2.2	--	15	0	--
Manganese	µg/L	2.2 J	2.7 J	1.8 J	1.7 J	2.1 J	2.4 J	6.3	3.6 J	4.5	3.3 J	2.1 J	1.1 J	0.91 J	1.2 J	1.5 J	2.1 J	1.7 J	1.7 J	1.9 J	--	--	--	50
Nickel	µg/L	2.1 U	4.0 U	1.9 U	1.9 U	2.0 U	2.0 U	4.0	2.0 U	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U	2.2 U	2.1 U	2.3 U	2.1 U	2.1 U	2.2 U	--	--	--	--
Zinc	µg/L	160	58	27	18 J	16 J	21	34	30	26	21	18 J	11 J	13 J	9.2 J	9.0 J	13 J	8.6 J	26	8.7 J	--	--	--	5000
Aluminum	mg/L	0.081	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.094	0.095	0.091	0.094	--	--	--	0.05 to 0.2
Calcium	mg/L	37	36	37	38	36	38	36	38	38	38	37	37	38	38	38	37	39	37	38	--	--	--	--
Iron	mg/L	0.075 U	0.12	0.12	0.076 U	0.091 U	0.10	0.26	0.17	0.23	0.13	0.068 U	0.033 U	0.028 U	0.025 U	0.028 U	0.035 U	0.029 U	0.037 U	0.073 U	--	--	--	0.3
Magnesium	mg/L	13	13	13	13	13	14	13	14	13	13	13	13	13	13	14	13	14	13	13	--	--	--	--
Potassium	mg/L	1.6	1.6	1.6	1.6	1.6	1.7	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	--	--	--	--
Sodium	mg/L	11	11	11	11	11	12	11	12	12	12	11	11	12	12	12	12	12	11	11	--	--	--	--
Tin	mg/L	0.0022 U	0.0025 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0023 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0016 U	0.020 U	--	--	--	--
Total Alkalinity	mg/L	Not Sampled																		120 J+	--	--	--	--
Chloride	mg/L	Not Sampled																		3.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.14 J	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		40.5 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated
(J+) = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
(J-) = Potential low bias (based on laboratory quality checks, the actual value may be slightly higher than what is reported here).
Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.
Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.

Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a “J” qualifier after the number.


Site 3332, Kitchen Faucet, 10/10/2016 and 12/3/2016
Lead (ppb)
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3332 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/10/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																	Distribution System				
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)					
Cadmium	µg/L	2.0 U	0.82 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.57 U	1.5 U	5	--	5	--
Chromium	µg/L	3.7 U	3.3 U	4.3 U	3.7 U	3.3 U	3.3 U	2.8 U	3.2 U	3.5 U	3.2 U	3.3 U	4.0 U	3.3 U	4.6 U	3.5 U	6.1 U	3.5 U	5.5 U	5.1 U	100	--	100	--
Copper	µg/L	9.1 J	1.5 J	10	4.5 J	2.5 J	2.8 J	2.6 J	1.7 J	2.0 J	1.6 J	1.7 J	1.6 J	1.4 J	6.3 J	4.7 J	5.7 J	3.1 J	3.7 J	2.6 J	--	1300	1300	1000
Lead	µg/L	15	8.6	62	81	30	26	21	15	17	13 J-	13 J-	11 J-	9.2 J	8.1 J-	7.8 J-	7.9 J-	7.2 J-	7.2 J-	4.8	--	15	0	--
Manganese	µg/L	3.3 J	2.5 J	18	26	8.5	7.7	6.9	4.4	4.8	4.0	3.7 J	3.5 J	3.3 J	3.2 J	3.0 J	3.4 J	5.2	3.2 J	3.7 J	--	--	--	50
Nickel	µg/L	4.1	1.8 U	2.6 U	2.1 U	1.9 U	2.0 U	1.9 U	1.8 U	2.0 U	2.0 U	1.9 U	2.2 U	1.9 U	3.7 U	2.8 U	4.8	2.6 U	3.3 U	3.5 U	--	--	--	--
Zinc	µg/L	530 J+	330 J+	350 J+	190 J+	84 J+	160 J+	64 J+	61 J+	93 J+	45 J+	47 J+	46 J+	47 J+	48 J+	42 J+	44 J+	34 J+	47 J+	39 J+	--	--	--	5000
Aluminum	mg/L	0.085 J-	0.082 J-	0.23 J-	0.19 J-	0.12 J-	0.13 J-	0.10 J-	0.10 J-	0.11 J-	0.099 J-	0.10 J-	0.10 J-	0.10 J-	0.10 J-	0.094 J-	0.095 J-	0.096 J-	0.094 J-	0.094 J-	--	--	--	0.05 to 0.2
Calcium	mg/L	37 J	38 J-	37 J	37 J	35 J	35 J	34 J	34 J	35 J	35 J	36 J	36 J	37 J	37 J	35 J	35 J	35 J	35 J	36 J	--	--	--	--
Iron	mg/L	0.13 J-	0.038 U	0.31 J-	0.33 J-	0.11 J-	0.13 J	0.080 U	0.069 U	0.081 U	0.061 U	0.061 U	0.058 U	0.050 U	0.050 U	0.040 U	0.056 U	0.48 J	0.045 U	0.044 U	--	--	--	0.3
Magnesium	mg/L	13 J	13 J	13 J	13 J	12 J	12 J	12 J	12 J	12 J	12 J	13 J	13 J	13 J	13 J	12 J	12 J	12 J	12 J	13 J	--	--	--	--
Potassium	mg/L	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.6	1.6	1.7	1.70	1.7	1.7	1.6	1.6	1.6	1.6	1.6	--	--	--	--
Sodium	mg/L	12 J+	12 J+	12 J	12 J+	11 J+	11 J+	11 J+	11 J+	11 J+	11 J+	12 J+	12 J+	12 J+	12 J+	11 J+	12 J+	11 J+	11 J+	12 J+	--	--	--	--
Tin	mg/L	0.0025 U	0.020 U	0.0023 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		120	--	--	--	--
Chloride	mg/L	Not Sampled																		3.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.16 J	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		23.9 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
U = Not detected above the listed reporting limit
J = Estimated
J+ = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
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Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.
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Site 3332 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 12/13/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																	Distribution System				
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)					
Cadmium	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5	--	5	--
Chromium	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	100	--	100	--
Copper	µg/L	7.58	1.00 U	3.82	1.90	1.15	1.09	1.00 U	1.91	2.19	1.26	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1300	1300	1000
Lead	µg/L	3.56	5.45	5.28	4.08	3.53	3.32	3.20	3.30	3.28	3.17	3.47	3.00	2.48	1.84	1.72	1.65	1.65	1.86	1.35	--	15	0	--
Zinc	µg/L	359	381	147	39.8	39.3	28.3	23.9	28.1	27.8	22.6	21.3	18.8	18.8	18.5	18.0	17.3	17.8	29.7	11.8	--	--	--	5000
Manganese	µg/L	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	--	--	--	50
Nickel	µg/L	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	--	--	--	--
Aluminum	mg/L	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	--	--	--	0.05 to 0.2
Calcium	mg/L	35.7	36.0	36.6	36.4	36.5	35.8	36.3	37.2	36.9	36.5	36.2	36.3	36.5	35.5	35.4	34.4	34.9	34.9	36.0	--	--	--	--
Iron	mg/L	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	0.0800 U	--	--	--	0.3
Magnesium	mg/L	13.1	12.7	12.6	12.5	12.5	12.3	12.4	12.8	12.7	12.5	12.5	12.5	12.5	12.2	12.2	11.9	12.0	12.0	12.4	--	--	--	--
Potassium	mg/L	2.01	1.85	1.83	1.78	1.77	1.76	1.72	1.78	1.76	1.75	1.76	1.77	1.76	1.72	1.72	1.66	1.70	1.68	1.75	--	--	--	--
Sodium	mg/L	11.5	11.6	11.4	11.2	11.2	11.1	11.1	11.4	11.3	11.2	11.1	11.2	11.2	10.9	10.9	10.6	10.8	10.7	11.1	--	--	--	--
Tin	mg/L	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		110 J	--	--	--	--
Chloride	mg/L	Not Sampled																		17.5	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.09	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		29.2	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.17	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
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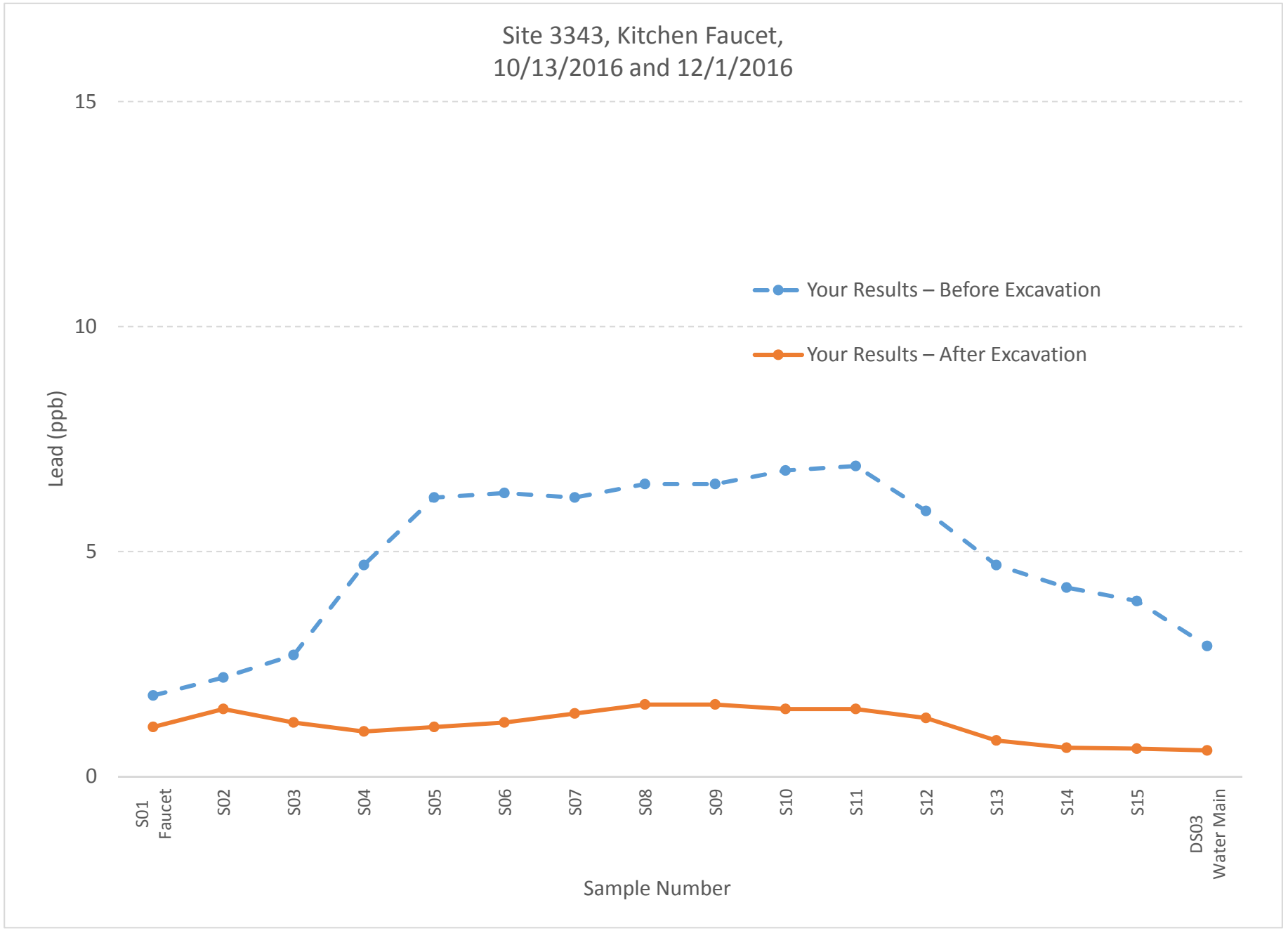
Site 3343, Kitchen Faucet,
10/13/2016 and 12/1/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
DS03 Water Main
Sample Number

Site 3343 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/13/2016															Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	0.81 U	1.1 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	3.5 U	3.4 U	3.4 U	3.4 U	3.5 U	3.5 U	3.4 U	3.2 U	3.4 U	3.2 U	3.5 U	3.6 U	3.5 U	3.5 U	3.5 U	3.4 U	100	--	100	--
Copper	µg/L	41	19	11	12	12	10	9.6 J	10	10	11	11	11	10 J	9.6 J	9.2 J	8.1 J	--	1300	1300	1000
Lead	µg/L	1.8 J	2.2	2.7	4.7	6.2	6.3	6.2	6.5	6.5	6.8	6.9	5.9	4.7	4.2	3.9	2.9	--	15	0	--
Manganese	µg/L	1.0 J	1.1 J	2.3 J	2.5 J	2.7 J	2.6 J	2.4 J	2.4 J	2.3 J	2.5 J	2.3 J	2.4 J	2.3 J	2.2 J	2.1 J	1.8 J	--	--	--	50
Nickel	µg/L	2.1 J	1.7 J	1.9 J	1.7 J	1.8 J	1.8 J	1.7 J	1.7 J	1.8 J	1.8 J	1.8 J	1.7 J	1.8 J	1.7 J	1.7 J	1.7 J	--	--	--	--
Zinc	µg/L	85	61	110	120	75	62	51	48	47	49	43	40	38	36	34	23	--	--	--	5000
Aluminum	mg/L	0.077	0.087	0.095	0.10	0.13	0.12	0.12	0.11	0.12	0.14	0.13	0.12	0.12	0.11	0.19	0.12	--	--	--	0.05 to 0.2
Calcium	mg/L	36	35	36	37	37	37	37	35	36	38	39	37	37	37	36	38	--	--	--	--
Iron	mg/L	0.029 U	0.052 U	0.096 U	0.16	0.41	0.30	0.17	0.16	0.16	0.19	0.18	0.15	0.16	0.13	0.14	0.13	--	--	--	0.3
Magnesium	mg/L	13 J-	12 J-	13 J-	13 J-	13 J-	13 J-	13 J-	12 J-	13 J-	13 J-	13 J-	13 J-	13 J-	13 J-	13 J-	13 J-	--	--	--	--
Potassium	mg/L	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.5	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.6	--	--	--	--
Sodium	mg/L	11	11	11	11	11	12	12	11	11	12	12	11	11	11	11	12	--	--	--	--
Tin	mg/L	0.0019 J+	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0018 J+	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															120	--	--	--	--
Chloride	mg/L	Not Sampled															3.0	--	--	--	250
Fluoride	mg/L	Not Sampled															0.18 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															32.3 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated
(J+) = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
(J-) = Potential low bias (based on laboratory quality checks, the actual value may be slightly higher than what is reported here).

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.
Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.
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Site 3343 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 12/1/2016																Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.21	0.35	0.76	0.87	0.24	0.23	0.19 J	0.20	0.16 J	0.14 J	0.14 J	0.14 J	0.13 J	0.11 J	0.11 J	0.08 J	5	--	5	--
Chromium	µg/L	0.76 U	0.63 U	0.56 U	0.53 U	0.5 U	0.56 U	0.57 U	0.61 U	0.59 U	0.54 U	0.53 U	0.55 U	0.59 U	0.58 U	0.52 U	0.52 U	100	--	100	--
Copper	µg/L	42.1	17.4	7.0	4.7	5.2	5.3	4.7	4.4	4.5	4.3	4.3	4.4	4.5	4.6	4.6	3.9	--	1300	1300	1000
Lead	µg/L	1.1	1.5	1.2	1.0	1.1	1.2	1.4	1.6	1.6	1.5	1.5	1.3	0.80 J	0.64 J	0.62 J	0.58 J	--	15	0	--
Manganese	µg/L	0.50 U	0.68 U	0.99 U	0.78 U	0.56 U	0.60 U	0.63 U	0.66 U	0.66 U	0.66 U	0.64 U	0.68 U	0.67 U	0.73 U	0.66 U	0.65 U	--	--	--	50
Nickel	µg/L	0.88	0.52	0.84	0.60	0.59	0.56	0.52	0.56	0.59	0.54	0.55	0.59	0.52	0.54	0.54	0.53	--	--	--	--
Zinc	µg/L	95.5	59.6	109	91.0	31.4	28.7	26.2	25.4	23.7	20.9	19.2	18.2	17.2	16.9	16.4	11.9	--	--	--	5000
Aluminum	mg/L	0.0372	0.0531	0.110	0.0576	0.0507	0.0535	0.0477	0.0452	0.0443	0.0436	0.0438	0.0428	0.0422	0.0438	0.0460	0.0478	--	--	--	0.05 to 0.2
Calcium	mg/L	34.3	35.6	34.2	34.9	34.7	34.7	34.7	34.8	33.9	35.0	34.2	34.5	33.8	34.3	34.3	33.8	--	--	--	--
Iron	mg/L	0.0218 J	0.0407 J	0.0519 J	0.0283 J	1.96	0.0269 J	0.0274 J	0.0174 J	0.0303 J	0.0218 J	0.0376 J	0.0279 J	0.0261 J	0.0727 J	0.0206 J	0.100 U	--	--	--	0.3
Magnesium	mg/L	12.0	12.3	11.7	11.8	11.9	12.0	12.0	12.0	11.8	12.1	11.8	11.9	11.7	11.8	11.9	11.7	--	--	--	--
Potassium	mg/L	1.59	1.41	1.60	1.52	1.56	1.60	1.59	1.55	1.49	1.58	1.55	1.56	1.52	1.55	1.56	1.55	--	--	--	--
Sodium	mg/L	10.5	9.49	10.5	10.6	10.6	10.7	10.7	10.6	10.5	10.7	10.5	10.7	10.5	10.6	10.5	10.6	--	--	--	--
Tin	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															104	--	--	--	--
Chloride	mg/L	Not Sampled															16.9	--	--	--	250
Fluoride	mg/L	Not Sampled															0.110	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															27.8	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.216	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.
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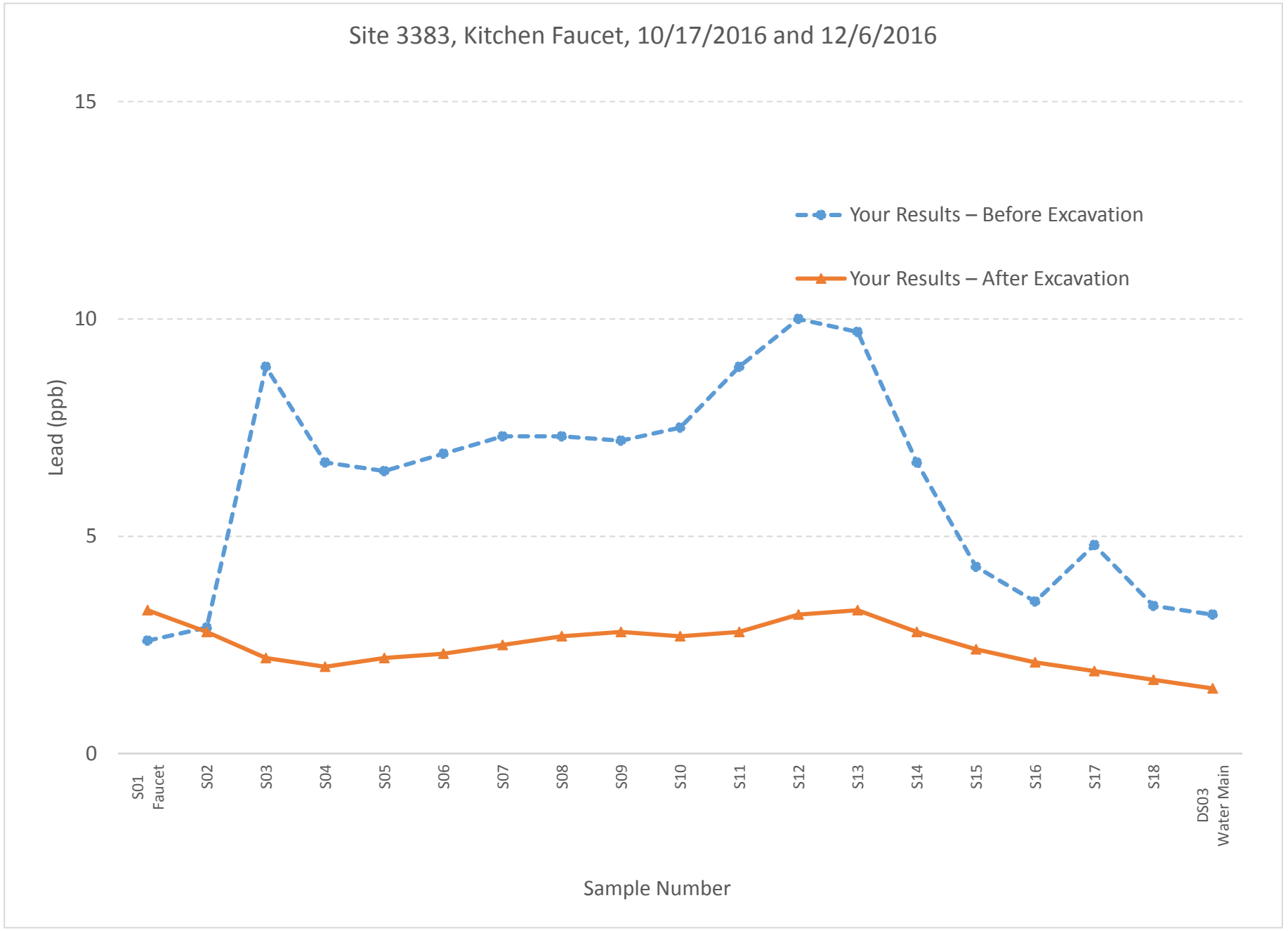
Site 3383, Kitchen Faucet, 10/17/2016 and 12/6/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3383 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/17/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	3.1 U	8.2	6.0	2.9 U	3.8 U	3.8 U	3.3 U	3.6 U	3.3 U	3.6 U	4.1	3.3 U	3.6 U	3.4 U	3.5 U	3.3 U	3.5 U	3.6 U	3.7 U	100	--	100	--
Copper	µg/L	1.6 U	2.0 U	5.0 U	2.2 U	1.8 U	2.0 U	2.2 U	2.0 U	1.8 U	1.9 U	2.4 U	1.6 U	10 U	10 U	10 U	10 U	10 U	1.7 U	10 U	--	1300	1300	1000
Lead	µg/L	2.6	2.9	8.9	6.7	6.5	6.9	7.3	7.3	7.2	7.5	8.9	10	9.7	6.7	4.3	3.5	4.8	3.4	3.2	--	15	0	--
Manganese	µg/L	4.3	6.2	5.3	2.5 J	2.7 J	2.0 J	1.7 J	1.9 J	1.5 J	1.2 J	1.4 J	0.74 U	0.80 U	0.76 U	1.0 J	0.97 U	1.2 J	1.1 J	0.98 U	--	--	--	50
Nickel	µg/L	2.4 U	4.7	4.6	2.2 U	2.1 U	2.1 U	1.9 U	2.0 U	1.9 U	1.9 U	2.4 U	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2.1 U	2.0 U	--	--	--	--
Zinc	µg/L	200	85	69	58	54	35	30	33	30	26	22	18 J	17 J	16 J	16 J	15 J	16 J	16 J	12 J	--	--	--	5000
Aluminum	mg/L	0.088	0.10	0.11	0.10	0.11	0.11	0.11	0.10	0.11	0.10	0.11	0.10	0.10	0.10	0.097	0.095	0.099	0.10	0.093	--	--	--	0.05 to 0.2
Calcium	mg/L	36	36	37	37	37.0	36	37	37	37	38	37	36	37	37	37	36	38	38	37	--	--	--	--
Iron	mg/L	0.13	0.48	0.14	0.11	0.21	0.096 U	0.083 U	0.12	0.068 U	0.061 U	0.052 U	0.038 U	0.036 U	0.034 U	0.034 U	0.035 U	0.032 U	0.035 U	0.032 U	--	--	--	0.3
Magnesium	mg/L	12	12	13	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	--	--	--	--
Potassium	mg/L	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.6	1.7	1.6	1.7	1.7	1.6	--	--	--	--
Sodium	mg/L	11	11	11	11	11	11	12	12	12	12	12	11	12	11	11	11	12	12	11	--	--	--	--
Tin	mg/L	0.0018 U	0.020 U	0.0016 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0019 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0018 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		110	--	--	--	--
Chloride	mg/L	Not Sampled																		3.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.15 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		23.9 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.029 J	--	--	--	--

Notes:
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Site 3383 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 12/6/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.20	0.09 J	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	5	--	5	--
Chromium	µg/L	0.42 J	0.38 J	0.40 J	0.40 J	0.42 J	0.38 J	0.39 J	0.41 J	0.45 J	0.49 J	0.49 J	0.46 J	0.46 J	0.43 J	0.43 J	0.46 J	0.45 J	0.74 J	0.43 J	100	--	100	--
Copper	µg/L	14.7	2.1	1.7	1.1	1.1	1.0	1.2	1.0	1.1	1.0 J	1.2	1.0	0.88 U	0.87 U	0.95 J	0.86 U	0.81 U	0.85 U	0.75 U	--	1300	1300	1000
Lead	µg/L	3.3	2.8	2.2	2.0	2.2	2.3	2.5	2.7	2.8	2.7	2.8	3.2	3.3	2.8	2.4	2.1	1.9	1.7	1.5	--	15	0	--
Manganese	µg/L	2.9	4.8	1.0	0.72 J	0.74 J	0.86 J	0.67 J	0.66 J	0.69 J	0.64 J	1.2	0.74 J	0.83 J	1.1	2.0	1.6	0.98 J	0.78 J	0.51 J	--	--	--	50
Nickel	µg/L	36.9	2.5	2.2	1.1	1.2	0.69	0.86	0.65	0.92	0.66	0.66	0.82	0.63	0.72	0.60	0.62	0.73	0.81	0.56	--	--	--	--
Tin	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.18 J	1.0 U	1.0 U	1.0 U	1.0 U	0.55 J	1.0 U	1.0 U	1.0 U	0.22 J	1.0 U	1.0 U	0.17 J	1.0 U	--	--	--	--
Zinc	µg/L	232	66.3	32.3	25.5	23.8	20.0	18.8	16.9	16.7	15.5	14.7	13.2	12.7	11.6	11.9	14.5	11.5	13.2	8.5	--	--	--	5000
Aluminum	mg/L	0.0758	0.0860	0.0480	0.0448	0.0442	0.0448	0.0467	0.0433	0.0469	0.0460	0.0455	0.0447	0.0453	0.0449	0.0463	0.0467	0.0442	0.0460	0.0438	--	--	--	0.05 to 0.2
Calcium	mg/L	34.7	35.3	36.5	36.0	36.8	36.1	35.7	35.4	35.4	36.1	36.4	35.4	35.9	35.4	35.6	35.4	35.9	35.7	35.6	--	--	--	--
Iron	mg/L	0.0926 J	0.374	0.0326 U	0.0236 U	0.100 U	0.0302 U	0.0260 U	0.100 U	0.0320 U	0.0212 U	0.100 U	0.0407 J	0.0290 U	0.0151 U	0.0152 U	0.0457 J	0.0135 U	0.0148 U	0.100 U	--	--	--	0.3
Magnesium	mg/L	11.9	12.0	12.5	12.3	12.6	12.3	12.2	12.1	12.1	12.4	12.5	12.1	12.3	12.2	12.2	12.2	12.4	12.3	12.3	--	--	--	--
Potassium	mg/L	1.70	1.74	1.76	1.69	1.79	1.73	1.71	1.68	1.70	1.73	1.74	1.71	1.70	1.70	1.70	1.69	1.72	1.72	1.73	--	--	--	--
Sodium	mg/L	11.4	11.5	11.8	11.6	11.8	11.7	11.6	11.6	11.6	11.8	11.8	11.5	11.7	11.6	11.6	11.5	11.7	11.7	11.7	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		107	--	--	--	--
Chloride	mg/L	Not Sampled																		16.7	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.116	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		26.8	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.235	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
J = Estimated

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.

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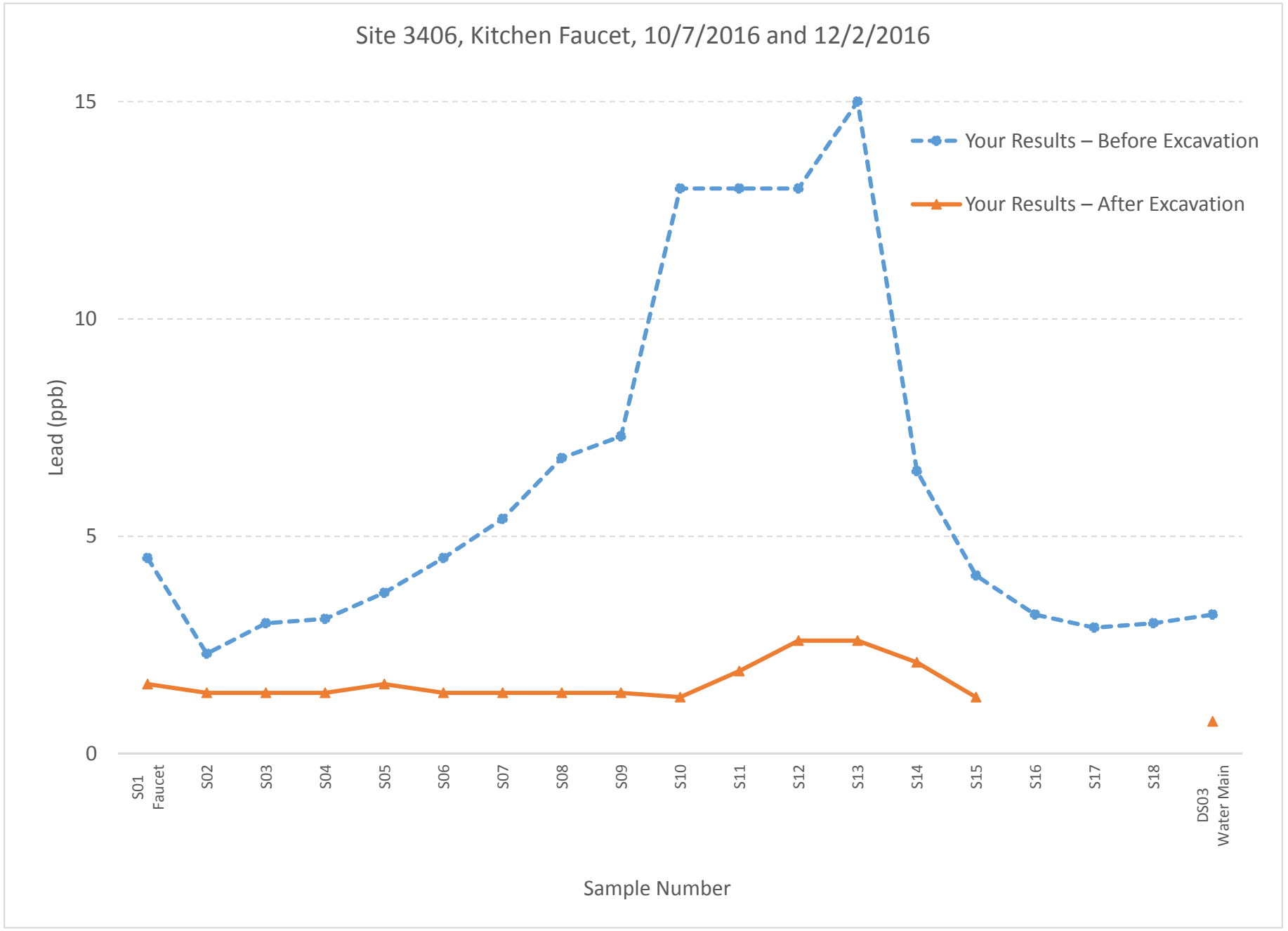
Site 3406, Kitchen Faucet, 10/7/2016 and 12/2/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3406 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/7/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.61 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	3.4 U	0.67 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	3.8 U	3.8 U	4.3 U	3.8 U	4.1 U	4.2 U	4.4 U	4.1 U	4.1 U	7.4 U	4.9 U	4.8 U	5.9 U	4.6 U	4.7 U	2.9 U	6.6 U	3.3 U	3.4 U	100	--	100	--
Copper	µg/L	59	78	32	13	15	10	7.5 U	8.4 U	6.9 U	14	8.1 U	7.2 U	8.6 U	6.4 U	6.6 U	5.7 U	5.0 U	5.1 U	5.5 U	--	1300	1300	1000
Lead	µg/L	4.5	2.3	3.0	3.1	3.7	4.5	5.4	6.8	7.3	13	13	13	15	6.5	4.1	3.2	2.9	3.0	3.2	--	15	0	--
Manganese	µg/L	4.2	1.1 J	1.1 J	1.2 J	0.99 J	1.1 J	1.2 J	1.5 J	1.7 J	5.7	3.4 J	3.4 J	4.9	3.9 J	3.6 J	3.5 J	2.7 J	3.5 J	3.5 J	--	--	--	50
Nickel	µg/L	3.2 U	1.8 U	1.7 U	1.8 U	1.5 U	1.8 U	1.6 U	1.8 U	1.6 U	8.2	2.8 U	2.1 U	2.8 U	2.0 U	2.1 U	1.9 U	1.9 U	1.5 U	2.1 U	--	--	--	--
Zinc	µg/L	28	9.1 J	16 J	14 J	13 J	17 J	15 J	16 J	14 J	22	12 J	8.8 J	11 J	7.7 J	9.0 J	6.5 J	6.2 J	7.8 J	8.3 J	--	--	--	5000
Aluminum	mg/L	0.087	0.093	0.097	0.094	0.095	0.091	0.094	0.092	0.098	0.11	0.10	0.10	0.10	0.11	0.10	0.11	0.11	0.11	0.11	--	--	--	0.05 to 0.2
Calcium	mg/L	36	36	37	35	37	35	36	35	36	40	36	35	35	38	35	36	36	38	39	--	--	--	--
Iron	mg/L	0.036 U	0.026 U	0.035 U	0.031 U	0.026 U	0.026 U	0.028 U	0.032 U	0.040 U	0.054 U	0.069 U	0.081 U	0.079 U	0.080 U	0.062 U	0.12	0.081 U	0.070 U	0.062 U	--	--	--	0.3
Magnesium	mg/L	12	12	13	12	13	12	12	12	12	14	12	12	12	13	12	12	12	13	14	--	--	--	--
Potassium	mg/L	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.5	1.6	1.7	1.6	1.5	1.6	1.6	1.5	1.6	1.6	1.6	1.7	--	--	--	--
Sodium	mg/L	11	11	11	11	11	11	11	11	11	13	11	11	11	12	11	11	11	12	12	--	--	--	--
Tin	mg/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		120	--	--	--	--
Chloride	mg/L	Not Sampled																		1.0 J	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.16 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		40.5 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.018 J	--	--	--	--

Notes:
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(J) = Estimated
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Site 3406 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 12/2/2016															Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	5	--	5	--
Chromium	µg/L	0.52 U	0.53 U	0.53 U	0.42 U	0.52 U	0.55 U	0.51 U	0.53 U	0.55 U	0.48 U	0.51 U	0.53 U	0.58 U	0.54 U	0.53 U	0.58 U	100	--	100	--
Copper	µg/L	20.2 J+	23.3 J+	13.3 J+	6.3 J+	6.2 J+	5.8 J+	3.5 J+	3.2 J+	3.8 J+	3 J+	3.1 J+	3.1 J+	2.9 J+	2.7 J+	2.8 J+	2.8 J+	--	1300	1300	1000
Lead	µg/L	1.6	1.4	1.4	1.4	1.6	1.4	1.4	1.4	1.4	1.3	1.9	2.6	2.6	2.1	1.3	0.74 J	--	15	0	--
Manganese	µg/L	0.99 J	0.91 J	1.1	0.93 J	0.92 J	1.2	0.96 J	0.91 J	1 J	0.97 J	0.99 J	0.98 J	0.97 J	1.0	1.1	1.3	--	--	--	50
Nickel	µg/L	1.3	0.60	0.60	0.58	0.92	0.75	0.54	0.55	0.80	0.54	0.54	0.58	0.54	0.57	0.53	0.55	--	--	--	--
Tin	µg/L	0.19 J	0.22 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--
Zinc	µg/L	12.5	4.3	5.6	6.2	6.9	7.5	11.5	5.3	23.9	6.2	5.3	3.2	3.1	4.2	2.5 U	2.8 U	--	--	--	5000
Aluminum	mg/L	0.0420	0.0447	0.0455	0.0458	0.0463	0.0463	0.0466	0.0453	0.0455	0.0453	0.0462	0.0445	0.0438	0.0442	0.0452	0.0431	--	--	--	0.05 to 0.2
Calcium	mg/L	34.2	34.0	34.2	34.5	34.4	35.0	34.8	34.4	34.6	35.1	34.4	34.2	34.8	34.7	34.1	34.6	--	--	--	--
Iron	mg/L	0.0248 U	0.0145 U	0.0156 U	0.100 U	0.0181 U	0.100 U	0.0141 U	0.0154 U	0.0278 U	0.0166 U	0.0199 U	0.0372 U	0.100 U	0.100 U	0.100 U	0.0231 U	--	--	--	0.3
Magnesium	mg/L	11.7	11.5	11.6	11.8	11.7	11.9	11.9	11.8	11.8	11.9	11.7	11.6	11.8	11.8	11.6	11.8	--	--	--	--
Potassium	mg/L	1.54	1.53	1.56	1.60	1.55	1.58	1.59	1.54	1.62	1.54	1.58	1.53	1.56	1.53	1.48	1.54	--	--	--	--
Sodium	mg/L	10.8	10.7	10.6	10.9	10.8	10.8	10.9	10.8	10.9	11.0	10.8	10.7	10.8	10.8	10.6	10.7	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															106	--	--	--	--
Chloride	mg/L	Not Sampled															17.1	--	--	--	250
Fluoride	mg/L	Not Sampled															0.126	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															26.3	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.22	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
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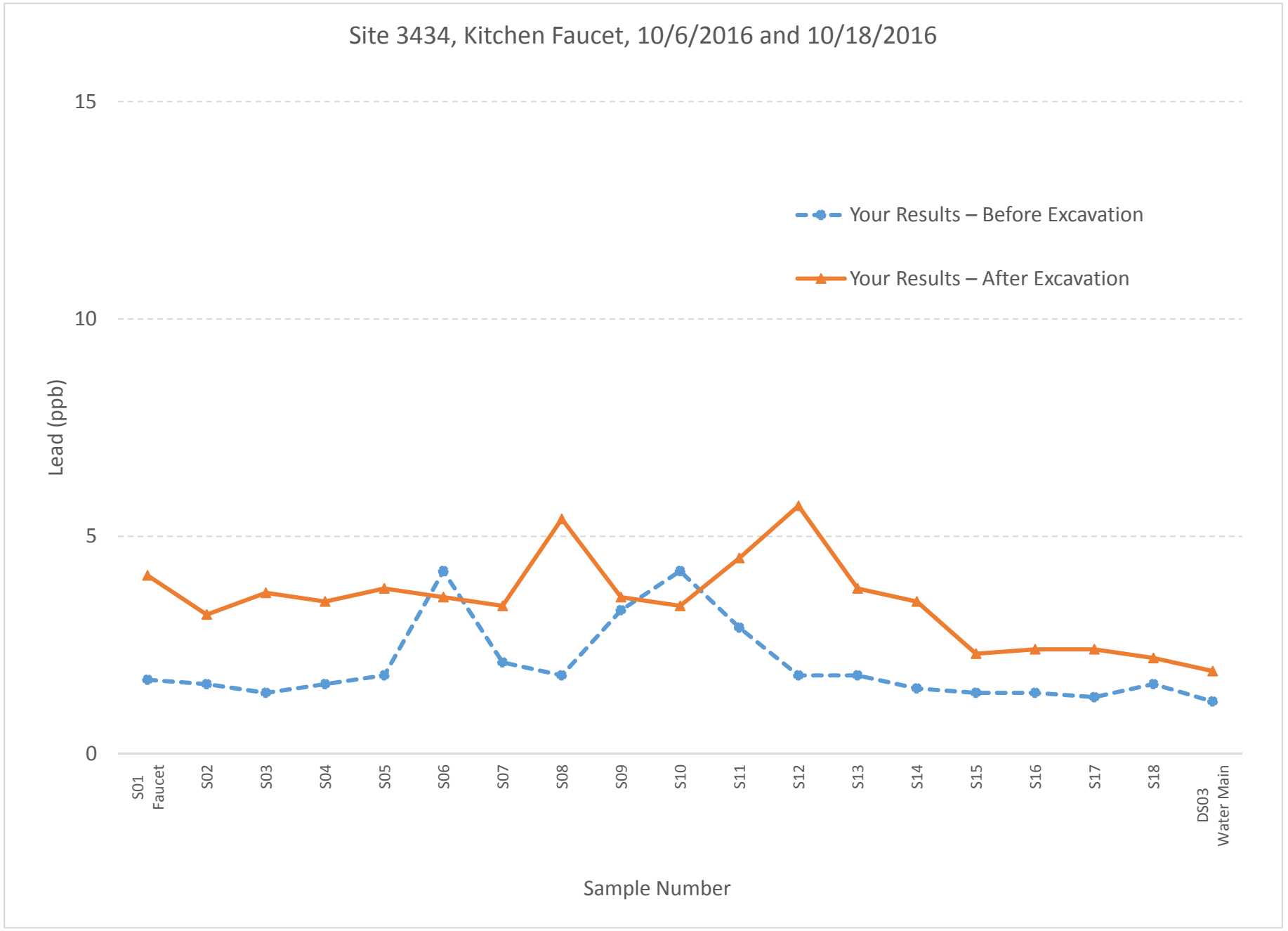
Site 3434, Kitchen Faucet, 10/6/2016 and 10/18/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3434 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/6/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	3.3 U	3.9 U	3.4 U	3.5 U	19	5.9	4.9	3.5 U	3.8 U	3.6 U	3.4 U	3.2 U	5.2	4.0 U	3.5 U	3.1 U	11	3.2 U	3.4 U	100	--	100	--
Copper	µg/L	31	76	16	4.0 U	4.1 U	6.2 U	4.1 U	5.8 J	5.2 U	3.7 U	6.0 U	3.3 U	3.1 U	3.9 U	3.1 U	3.0 U	3.1 U	4.1 U	2.5 U	--	1300	1300	1000
Lead	µg/L	1.7 J	1.6 J	1.4 J	1.6 J	1.8 J	4.2	2.1 J	1.8 J	3.3 J	4.2	2.9 J	1.8 J	1.8 J	1.5 J	1.4 J	1.4 J	1.3 J	1.6 J	1.2 J-	--	15	0	--
Manganese	µg/L	1.0 J	0.95 J	0.97 J	1.1 J	3.0 J	3.5 J	1.6 J	1.5 J	1.3 J	1.1 J	1.4 J	1.1 J	2.0 J	1.2 J	1.5 J	1.2 J	2.9 J	1.2 J	1.0 J	--	--	--	50
Nickel	µg/L	4.8	2.9 U	2.0 U	2.0 U	10	4.4	2.9 U	2.1 U	2.3 U	2.0 U	1.9 U	2.0 U	3.1 U	2.4 U	1.8 U	1.8 U	6.0	2.4 U	1.7 U	--	--	--	--
Zinc	µg/L	85	46	11 J	17 U	18 U	17 U	17 U	17 U	14 U	13 U	9.6 U	8.3 U	13 U	9.8 U	8.3 U	9.6 U	9.7 U	15 U	6.0 U	--	--	--	5000
Aluminum	mg/L	0.084	0.086	0.10	0.11	0.11	0.10	0.11	0.098	0.10	0.11	0.12	0.11	0.12	0.11	0.12	0.11	0.11	0.10	0.11 J+	--	--	--	0.05 to 0.2
Calcium	mg/L	35 J	36 J	38 J	37 J	39 J	35 J	39 J	34 J	36 J	38 J	38 J	37 J	38 J	36 J	37 J	35 J	36 J	33 J	35 J	--	--	--	--
Iron	mg/L	0.10 U	0.10 U	0.054 U	0.034 U	0.086 U	0.024 U	0.029 U	0.048 U	0.026 U	0.019 U	0.022 U	0.11 J+	0.019 U	0.031 U	0.028 U	0.023 U	0.026 U	0.037 U	0.11 J+	--	--	--	0.3
Magnesium	mg/L	13 J	13 J	13 J	13 J	13 J	12 J	13 J	12 J	12 J	13 J	13 J	13 J	13 J	13 J	13 J	12 J	13 J	12 J	12 J	--	--	--	--
Potassium	mg/L	1.5	1.6	2.2	1.9	1.9	1.7	1.8	1.6	1.7	1.8	1.8	1.8	1.8	1.7	1.7	1.6	1.7	1.4	1.6	--	--	--	--
Sodium	mg/L	11 J	11 J	11 J	11 J	12 J	11 J	12 J	11 J	11 J	12 J	12 J	12 J	12 J	12 J	12 J	11 J	12 J	11 J	11 J+	--	--	--	--
Tin	mg/L	0.0018 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0068 U	0.020 U	0.0027 U	0.020 U	0.020 U	0.020 U	0.0020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		120	--	--	--	--
Chloride	mg/L	Not Sampled																		3.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.50 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		15.5 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.050 U	--	--	--	--

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Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.

Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a "J" qualifier after the number.

Site 3434 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 10/18/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																	Distribution System				
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)					
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	3.0 U	3.3 U	2.7 U	3.1 U	3.3 U	3.6 U	3.7 U	5.5 U	3.7 U	3.7 U	3.7 U	3.3 U	3.0 U	3.5 U	3.7 U	3.8 U	3.7 U	3.8 U	3.7 U	100	--	100	--
Copper	µg/L	39	8.3 J	5.2 J	7.3 J	6.4 J	5.9 J	3.5 J	4.9 J	2.7 J	2.6 J	2.4 J	2.2 J	2.2 J	2.4 J	2.0 J	2.0 J	2.1 J	2.0 J	1.9 J	--	1300	1300	1000
Lead	µg/L	4.1	3.2	3.7	3.5	3.8	3.6	3.4	5.4	3.6	3.4	4.5	5.7	3.8	3.5	2.3	2.4	2.4	2.2	1.9 J	--	15	0	--
Manganese	µg/L	2.9 J	5.9	2.2 J	1.9 J	1.8 J	2.0 J	1.7 J	3.7 J	1.5 J	1.4 J	1.8 J	2.8 J	2.4 J	1.5 J	1.3 J	1.3 J	1.3 J	1.4 J	1.2 J	--	--	--	50
Nickel	µg/L	3.1 U	2.5 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U	3.8 U	2.0 U	2.1 U	2.1 U	2.0 U	1.9 U	2.0 U	2.0 U	2.1 U	2.1 U	2.1 U	2.1 U	--	--	--	--
Zinc	µg/L	470	250	94	29	37	26	16 J	19 J	24	13 J	16 J	13 J	12 J	57	12 J	12 J	17 J	11 J	7.6 U	--	--	--	5000
Aluminum	mg/L	0.098 J+	0.11 J+	0.12 J+	0.11 J+	0.12 J+	0.11 J+	0.10 J+	0.10 J+	0.10 J+	0.10 J+	0.10 J+	0.11 J+	0.11 J+	0.12 J+	0.098 J+	0.099 J+	0.095 J+	0.095 J+	0.096 J+	--	--	--	0.05 to 0.2
Calcium	mg/L	38	39	38	37	39	39	38	38	37	38	37	38	38	39	38	38	37	37	38	--	--	--	--
Iron	mg/L	0.067 U	0.26	0.069 U	0.042 U	0.043 U	0.047 U	0.036 U	0.038 U	0.032 U	0.032 U	0.063 U	0.089 U	0.065 U	0.035 U	0.027 U	0.026 U	0.024 U	0.023 U	0.049 U	--	--	--	0.3
Magnesium	mg/L	13	13	12	13	13	13	13	13	12	13	13	13	13	13	13	13	13	13	13	--	--	--	--
Potassium	mg/L	1.7	1.7	1.7	1.6	1.7	1.7	1.7	1.6	1.6	1.7	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.6	--	--	--	--
Sodium	mg/L	12	12	11	11	11	12	11	12	11	12	12	11	12	12	11	11	12	12	5.9	--	--	--	--
Tin	mg/L	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		120	--	--	--	--
Chloride	mg/L	Not Sampled																		3.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.15 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		48.8 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
U = Not detected above the listed reporting limit
J = Estimated
(J+) = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
(J-) = Potential low bias (based on laboratory quality checks, the actual value may be slightly higher than what is reported here).

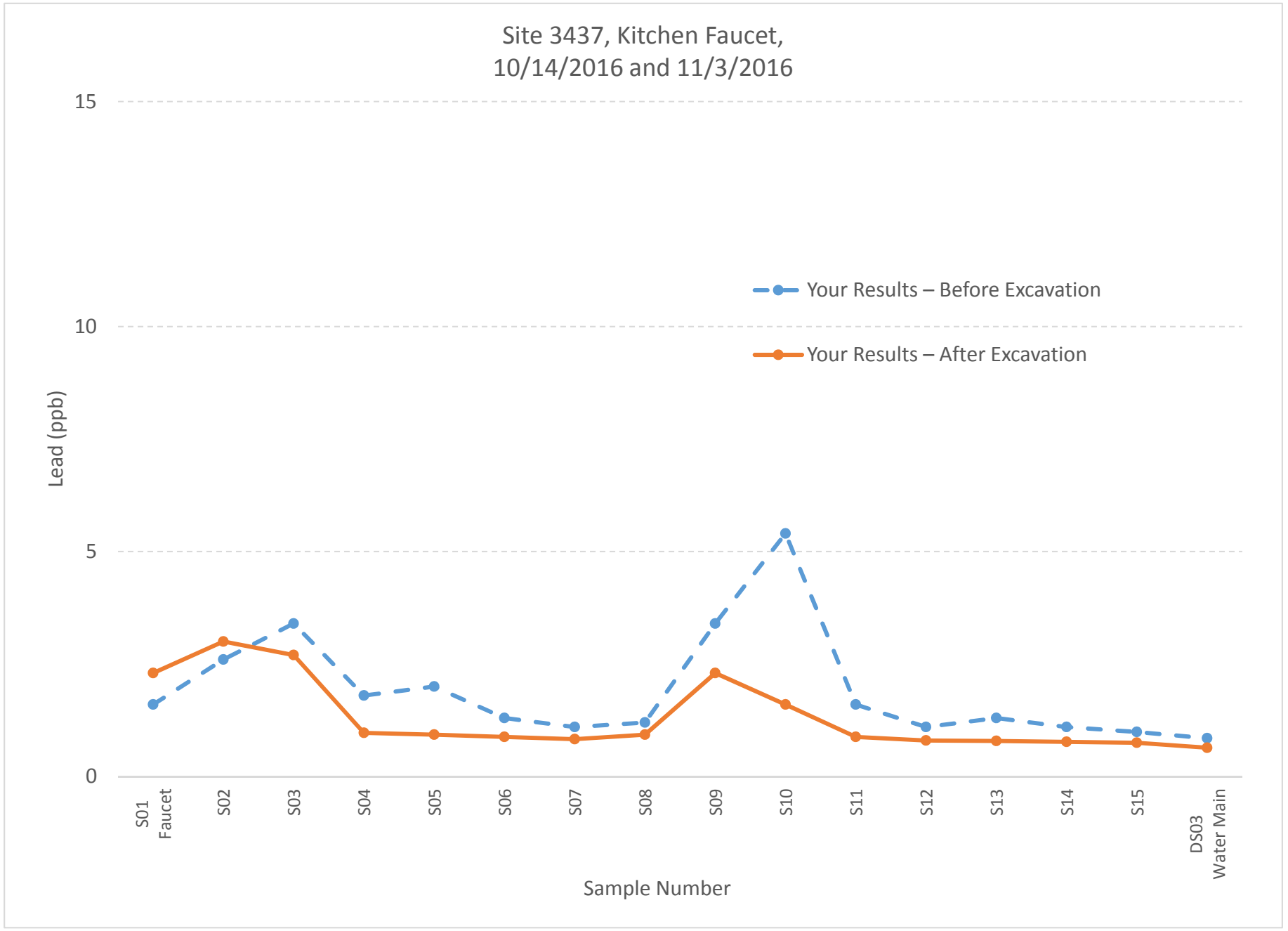
Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

Method Detection Limit (MDL) indicates the level at which the laboratory has high confidence that the analyte is PRESENT in the sample but low confidence in the numerical result. MDLs are routinely reassessed by each laboratory to ensure the accurate presentation of their data.

Reporting Limit (RL) is set by individual laboratories to ensure confidence in the precision and accuracy of the reported numerical result for the analyte. Any results reported below the RL (but above the MDL) are estimated; this is generally indicated by a "J" qualifier after the number.


Site 3437, Kitchen Faucet,
10/14/2016 and 11/3/2016
15
10
5
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
DS03 Water Main
Sample Number

Site 3437 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/14/2016															Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	1.5 U	1.8 U	1.5 U	1.9 U	1.9 U	1.7 U	1.6 U	1.6 U	1.9 U	1.5 U	1.5 U	1.6 U	1.6 U	1.4 U	1.4 U	1.3 U	100	--	100	--
Copper	µg/L	47	76	53	31	28	11	11	9.6 U	11	6.6 U	6.3 U	6.6 U	6.7 U	5.3 U	5.2 U	4.3 U	--	1300	1300	1000
Lead	µg/L	1.6 U	2.6	3.4	1.8 U	2.0 U	1.3 U	1.1 U	1.2 U	3.4	5.4	1.6 U	1.1 U	1.3 U	1.1 U	0.99 U	0.85 U	--	15	0	--
Manganese	µg/L	0.85 U	0.65 U	0.74 U	1.2 U	1.4 U	0.89 U	4.0 U	0.56 U	1.4 U	0.60 U	0.71 U	0.91 U	0.82 U	0.78 U	0.69 U	0.76 U	--	--	--	50
Nickel	µg/L	1.5 U	0.86 U	0.76 U	0.76 U	0.68 U	1.1 U	0.57 U	0.61 U	0.72 U	0.54 U	0.55 U	0.59 U	0.62 U	0.50 U	0.50 U	0.55 U	--	--	--	--
Zinc	µg/L	220	32	11 J	6.6 J	7.5 J	8.7 J	6.6 J	6.2 J	5.4 J	20 U	20 U	20 U	20 U	20 U	20 U	20 U	--	--	--	5000
Aluminum	mg/L	0.090	0.099	0.11	0.099	0.11	0.16	0.11	0.11	0.10	0.099	0.092	0.085	0.095	0.090	0.089	0.091	--	--	--	0.05 to 0.2
Calcium	mg/L	35	36	36	32	36	34	37	37	35	35	34	32	36	34	35	35	--	--	--	--
Iron	mg/L	0.036 U	0.043 U	0.042 U	0.12	0.076 U	0.056 U	0.034 U	0.034 U	0.033 U	0.031 U	0.032 U	0.032 U	0.034 U	0.037 U	0.031 U	0.034 U	--	--	--	0.3
Magnesium	mg/L	12	13	13	11	12	12	13	13	12	12	12	11	13	12	12	12	--	--	--	--
Potassium	mg/L	1.6	1.6	1.6	1.4	1.5	1.5	1.7	1.7	1.6	1.6	1.5	1.4	1.6	1.5	1.5	1.5	--	--	--	--
Sodium	mg/L	11 J+	11 J+	11 J+	10 J+	11 J+	11 J+	11 J+	12 J+	11 J+	11 J+	11 J+	10 J+	11 J+	11 J+	11 J+	11 J+	--	--	--	--
Tin	mg/L	0.0019 U	0.020 U	0.020 U	0.0018 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0024 U	0.020 U	0.020 U	0.020 U	0.020 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															120	--	--	--	--
Chloride	mg/L	Not Sampled															3.0	--	--	--	250
Fluoride	mg/L	Not Sampled															0.17 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															40.5 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated
(J+) = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
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Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.
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Site 3437 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 11/3/2016																Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																		
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	Distribution System				
Cadmium	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5	--	5	--
Chromium	µg/L	0.59 U	0.49 U	0.41 U	0.43 U	0.45 U	0.44 U	2.0 U	0.44 U	0.51 U	0.43 U	0.46 U	0.36 U	0.36 U	0.44 U	0.44 U	0.42 U	100	--	100	--
Copper	µg/L	81.5	54.8	16.0	10.7	10.2	6.2	5.2	5.6	6.0	5.0	5.0 J	4.7	4.7 J	4.6 J	4.5 J	3.8	--	1300	1300	1000
Lead	µg/L	2.3	3.0	2.7	0.97 J	0.93 J	0.88 J	0.83 J	0.93 J	2.3	1.6	0.88 J	0.80 J	0.79 J	0.77 J	0.75 J	0.64 J	--	15	0	--
Manganese	µg/L	1.9	0.47 J	0.52 J	0.56 J	0.54 J	0.53 J	0.46 J	0.55 J	0.60 J	0.56 J	0.76 J	0.58 J	0.64 J	0.64 J	0.58 J	0.63 J	--	--	--	50
Nickel	µg/L	9.6	1.8	0.75	1.2	0.79	0.64	0.61	0.69	0.65	0.64	0.64	0.57	0.65	0.59	0.57	0.70	--	--	--	--
Zinc	µg/L	287 J	25.7 J	11.0 J	6.8 J	6.7 J	7.0 J	5.1 J	5.3 J	4.8 J	4.1 J	4.5 J	4.7 J	5.0 J	3.5 U	3.5 U	2.7 U	--	--	--	5000
Aluminum	mg/L	0.0714	0.0749	0.0686	0.0698	0.0662	0.0698	0.0697	0.0694	0.0703	0.0685	0.0669	0.0661	0.0675	0.0714	0.0687	0.0667	--	--	--	0.05 to 0.2
Calcium	mg/L	35.9	35.5	36.6	35.4	34.6	34.6	34.8	34.5	34.4	34.5	34.9	34.5	34.1	34.8	34.5	34.7	--	--	--	--
Iron	mg/L	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.053 J	0.0155 J	0.0161 J	0.100 U	0.0193 J	--	--	--	0.3
Magnesium	mg/L	12.2	12.0	12.4	12.0	11.7	11.7	11.8	11.7	11.7	11.7	11.8	11.6	11.5	11.7	11.6	11.7	--	--	--	--
Potassium	mg/L	1.80	1.75	1.74	1.81	1.76	1.74	1.74	1.73	1.78	1.75	1.78	1.79	1.73	1.70	1.79	1.82	--	--	--	--
Sodium	mg/L	12.0	11.6	11.7	12.0	11.8	11.6	11.8	11.7	11.8	11.7	11.9	11.8	11.6	11.8	11.8	11.9	--	--	--	--
Tin	µg/L	0.00027 J	0.00071 J	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled															105	--	--	--	--
Chloride	mg/L	Not Sampled															17.2	--	--	--	250
Fluoride	mg/L	Not Sampled															0.132	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled															27.3	--	--	--	250
Total Phosphorus	mg/L	Not Sampled															0.151	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

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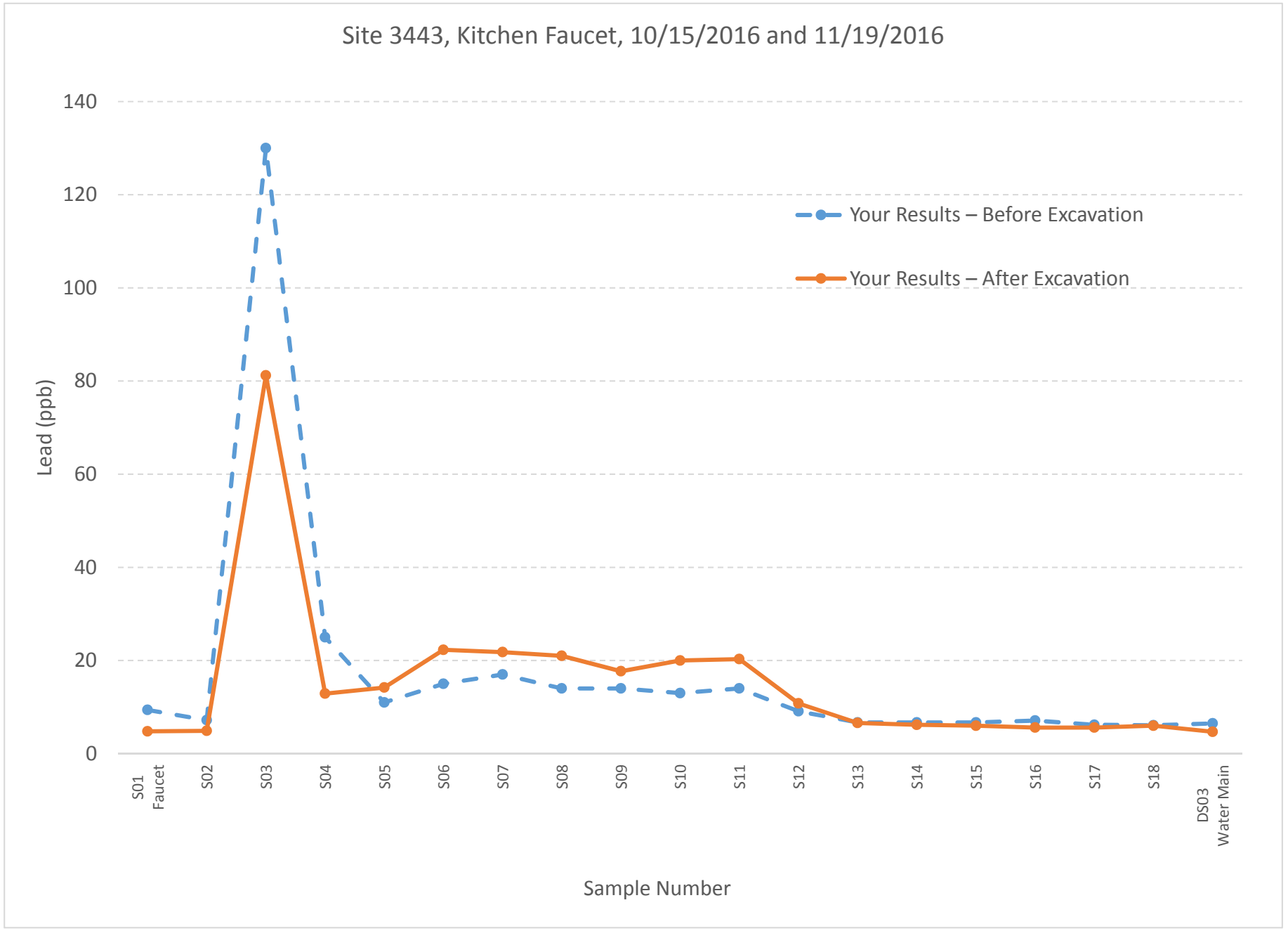
Site 3443, Kitchen Faucet, 10/15/2016 and 11/19/2016
140
120
100
80
60
40
20
0
Lead (ppb)
Your Results – Before Excavation
Your Results – After Excavation
S01 Faucet
S02
S03
S04
S05
S06
S07
S08
S09
S10
S11
S12
S13
S14
S15
S16
S17
S18
DS03 Water Main
Sample Number

Site 3443 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - Before Excavation on 10/15/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	1.5 J	1.1 J	1.4 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.69 U	2.0 U	2.0 U	2.0 U	5	--	5	--
Chromium	µg/L	2.9 U	2.5 U	1.7 U	2.1 U	2.0 U	2.0 U	2.2 U	1.8 U	2.1 U	2.0 U	2.0 U	1.9 U	2.8 U	1.9 U	1.8 U	1.2 U	1.5 U	1.7 U	2.2 U	100	--	100	--
Copper	µg/L	76	52	130	7.0 U	9.7 U	6.6 U	5.3 U	4.5 U	4.9 U	4.2 U	4.1 U	4.1 U	4.3 U	3.9 U	3.9 U	4.2 U	4.1 U	4.0 U	3.9 U	--	1300	1300	1000
Lead	µg/L	9.4	7.2	130	25	11	15	17	14	14	13	14	9.1	6.7	6.7	6.7	7.1	6.2	6.1	6.5	--	15	0	--
Manganese	µg/L	2.3 J	1.8 J	29	4.1	0.82 U	0.97 U	1.1 J	0.78 U	2.2 J	0.75 U	0.82 U	0.91 U	2.2 J	0.91 U	0.89 U	1.4 J	0.68 U	0.69 U	1.1 J	--	--	--	50
Nickel	µg/L	5.3	1.2 U	1.6 U	0.95 U	0.74 U	0.86 U	0.99 U	0.73 U	0.96 U	0.77 U	1.0 U	0.81 U	1.1 U	0.81 U	0.85 U	1.3 U	0.72 U	0.74 U	0.86 U	--	--	--	--
Zinc	µg/L	300	46	320	29	14 J	9.6 J	11 J	8.8 J	12 J	7.2 J	10 J	8.9 J	6.2 J	6.5 J	6.0 J	7.1 J	6.4 J	5.2 J	8.8 J	--	--	--	5000
Aluminum	mg/L	0.094 J-	0.088 J-	0.30 J-	0.11 J-	0.099 J-	0.10 J-	0.10 J-	0.093 J-	0.10 J-	0.096 J-	0.10 J-	0.10 J-	0.095 J-	0.098 J-	0.097 J-	0.11 J-	0.094 J-	0.089 J-	0.095 J-	--	--	--	0.05 to 0.2
Calcium	mg/L	36	34	34	35	35	35	35	34	39	36	38	37	36	37	37	43	37	35	36	--	--	--	--
Iron	mg/L	0.032 U	0.064 U	1.8	0.096 U	0.035 U	0.042 U	0.029 U	0.039 U	0.037 U	0.032 U	0.026 U	0.049 U	2.1	0.028 U	0.028 U	0.037 U	0.020 U	0.020 U	0.026 U	--	--	--	0.3
Magnesium	mg/L	14	12	13	13	13	13	14	13	14	13	13	13	13	13	13	15	13	12	13	--	--	--	--
Potassium	mg/L	1.8	1.6	1.6	1.6	1.7	1.7	1.8	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.9	1.6	1.6	1.6	--	--	--	--
Sodium	mg/L	13	11	11	12	12	12	13	12	12	12	12	12	12	12	12	13	12	11	12	--	--	--	--
Tin	mg/L	0.0026 U	0.020 U	0.0050 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0018 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.0017 U	--	--	--	--
Total Alkalinity	mg CaCO3/L	Not Sampled																		120	--	--	--	--
Chloride	mg/L	Not Sampled																		3.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.16 U	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		40.5 J	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.050 U	--	--	--	--

Notes:
mg/L = milligrams per liter (also called ppm or parts per million)
µg/L = micrograms per liter (also called ppb or parts per billion)
(U) = Not detected above the listed reporting limit
(J) = Estimated
(J+) = Potential high bias (based on laboratory quality checks, the actual value may be slightly lower than what is reported here).
(J-) = Potential low bias (based on laboratory quality checks, the actual value may be slightly higher than what is reported here).

Maximum Contaminant Level (MCL) = The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.

Maximum Contaminant Level Goal (MCLG) = The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
Action Level (AL) = The Action level of 15 ppb (for the 90th percentile of compliance samples) is based on technical feasibility of reducing lead in drinking water through optimizing corrosion control. It is not a health based level.

Secondary MCL = non-mandatory water quality standards established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor. These contaminants are not considered to present a risk to human health at the SMCL.

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Site 3443 -- Kitchen Sink Faucet
Sequential Sampling by U.S. EPA
Final Analytical Results

Parameter	Units	Your Results - After Excavation on 11/19/2016																		Comparison Standards			
		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15	S16	S17	S18	DS01, DS02, DS03	Maximum Contaminant Level (MCL)	Action Level (AL)	Maximum Contaminant Level Goal (MCLG)	Secondary MCL
		Faucet	Under Sink																					
		1st sample (125 mL)	2nd sample (125 mL)	3rd sample (1 liter)	4th sample (1 liter)	5th sample (1 liter)	6th sample (1 liter)	7th sample (1 liter)	8th sample (1 liter)	9th sample (1 liter)	10th sample (1 liter)	11th sample (1 liter)	12th sample (1 liter)	13th sample (1 liter)	14th sample (1 liter)	15th sample (1 liter)	16th sample (1 liter)	17th sample (1 liter)	18th sample (1 liter)	Distribution System				
Cadmium	µg/L	0.20 J	0.42	1.2	0.31	0.20	0.08 J	0.07 J	0.08 J	0.07 J	0.07 J	0.07 J	0.06 J	0.06 J	0.07 J	0.06 J	0.05 J	0.05 J	0.05 J	0.04 J	5	--	5	--
Chromium	µg/L	0.90 U	0.98 U	1.0 U	0.98 U	0.86 U	0.94 U	0.88 U	0.92 U	0.95 U	0.95 U	0.99 U	0.91 U	0.84 U	0.89 U	0.93 U	0.92 U	0.93 U	0.95 U	0.95 U	100	--	100	--
Copper	µg/L	68.6	51.9	36.1	5.7	17.8	8.7	4.1	4.2	4.4	3.6	3.4	3.4	3.3	3.2	3.1	3.0	3.0	3.1	2.4	--	1300	1300	1000
Lead	µg/L	4.8	4.9	81.2	12.9	14.2	22.3	21.8	21.0	17.7	20.0	20.3	10.8	6.6	6.2	6.0	5.6	5.6	6.0	4.7	--	15	0	--
Manganese	µg/L	0.26 J	0.98 J	21.1	1.5	1.4	0.85 J	0.60 J	0.58 J	0.54 J	0.58 J	0.49 J	0.58 J	0.70 J	0.72 J	0.75 J	0.83 J	0.72 J	0.80 J	0.69 J	--	--	--	50
Nickel	µg/L	1.3	12.3	1.1	0.75	1.1	1.2	0.71	0.76	0.70	0.72	0.71	0.70	0.70	0.80	0.87	0.80	0.70	0.68	0.66	--	--	--	--
Tin	µg/L	0.10 U	1.0 U	3.4	0.12 U	0.09 U	1.0 U	0.10 U	0.07 U	0.33 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	--	--	--	--
Zinc	µg/L	194	63.5	164	31.2	28.4	12.0	10.2	11.1	11.8	9.4	8.2	7.5	8.0	7.8	7.6	8.9	6.8	7.9	4.9 U	--	--	--	5000
Aluminum	mg/L	0.0416	0.0550	0.168	0.0659	0.0604	0.0537	0.0496	0.0512	0.0486	0.0538	0.0516	0.0523	0.0476	0.0530	0.0484	0.0473	0.0459	0.0465	0.0458	--	--	--	0.05 to 0.2
Calcium	mg/L	33.6	34.1	34.2	34.7	34.0	33.1	34.3	34.5	34.2	34.0	34.1	34.4	33.7	34.5	33.7	34.0	33.7	34.3	34.2	--	--	--	--
Iron	mg/L	0.100 U	0.0458 J	0.700	0.0418 J	0.0640 J	0.0313 J	0.0264 J	0.0644 J	0.100 U	0.0144 J	0.0140 J	0.100 U	0.0153 J	0.0147 J	0.0219 J	0.0278 J	0.100 U	0.0476 J	0.100 U	--	--	--	0.3
Magnesium	mg/L	11.8	12.1	12.0	12.0	11.9	11.7	12.1	12.3	12.2	12.0	12.0	12.2	12.0	12.2	11.9	12.1	12.0	12.1	12.1	--	--	--	--
Potassium	mg/L	1.55	1.54	1.62	1.63	1.61	1.54	1.57	1.61	1.61	1.61	1.56	1.60	1.56	1.58	1.56	1.62	1.60	1.58	1.60	--	--	--	--
Sodium	mg/L	11.0	11.2	11.1	11.3	11.0	10.8	11.1	11.3	11.2	11.1	11.1	11.2	11.1	11.2	11.0	11.1	11.0	11.2	11.2	--	--	--	--
Total Alkalinity	mg/L	Not Sampled																		105	--	--	--	--
Chloride	mg/L	Not Sampled																		17.0	--	--	--	250
Fluoride	mg/L	Not Sampled																		0.124	4	--	4	2
Sulfate as SO4	mg/L	Not Sampled																		28.1	--	--	--	250
Total Phosphorus	mg/L	Not Sampled																		0.256	--	--	--	--

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