

2025 Summary Report

LRI Landfill Residential Drinking Water Well Sampling

December 2025
Drinking Water Program
Residential Water Sampling Project



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Summary

BACKGROUND

This report summarizes the water quality sampling event conducted in 2025.

All drinking water wells within one-half (1/2) mile of the LRI Landfill boundary are eligible for free water quality sampling once a year. Substances chosen for testing by the Health Department are to assess groundwater quality. These tests can show information about possible groundwater impacts from the landfill.

The Health Department samples well water at property's n each Fall and participation is voluntary.

Water samples are tested for twenty characteristics and substances, including conductivity, pH, ammonia, nitrate, chloride, iron, manganese, magnesium and coliform bacteria. In addition to the annual water quality tests, participants have their water tested every five years for 'Volatile Organic Compounds' (VOCs). Members of the Woodbrook Homeowners Association are eligible for annual VOC testing because of their 2015 legal settlement over the relocation of Woodbrook Road (317th Street East).

Although coliform bacteria in groundwater from a landfill is unusual, the Health Department included coliform bacteria testing as part of the sampling program. These tests are included because of the known health effects of bacterial contamination in drinking water.

The Health Department requires the landfill operator to maintain an on-site groundwater monitoring program. This on-site monitoring program has been in effect since 1999 and every three months the landfill samples and tests nine wells around the perimeter of the landfill property. All groundwater monitoring data from these wells are available from the Health Department.

2025 SAMPLING EVENT

The 2025 event collected water samples at 54 properties between October 13 and October 20, 2025. AmTest Laboratories performed bacteriological, organic and inorganic chemical analyses. Participants received detailed water quality test results in December 2025. No landfill-related impacts to groundwater quality were identified from the water quality test results.

A complete list of water quality test results is in **Table 1**.

The 2025 sampling event tested VOC water samples from 40 residential wells. The water quality test results are consistent with water quality test results from previous sampling events. The results show groundwater near the landfill is still typical of groundwater chemistry in Pierce County. Iron and manganese levels are consistently above the secondary standards set by the Washington State Department of Health. Elevated iron and manganese levels are typical of groundwater conditions throughout much of Pierce County due to the underlying geology.

The Washington State Department of Health considers iron and manganese a “secondary

contaminant.” Secondary contaminants pose aesthetic problems rather than health concerns. High levels of iron and manganese can give water a metallic taste, cause odors and can cause brown or black staining of porcelain fixtures exposed to the water.

Tables 1 and 2 show the water quality sample results. Results that exceed the state water quality standards are shown in bold and highlighted. For quality control purposes, duplicate samples were taken at four locations. **Tables 3 and 4** show the results of the quality control samples.

BACTERIA

During this sampling event, 2 of the 54 wells tested had bacteria present in their well water (bacteria in the water is shown as an “unsatisfactory” test result and indicated as a “U” on Table 1). Coliform bacteria can be a common problem in drinking water wells. If there is concern about bacteria in a well, we recommend shock chlorination as this will typically resolve the issue.

CONTACTS

For questions about this report or the sample results, please contact the Health Department’s Drinking Water Program.

Josh Hird
Phone: (253) 649-1836
Email: jhird@tpchd.org

For questions about landfill operations, please contact the Health Department’s Solid Waste Program.

Trevor Priestley
Phone: (253) 649-1842
Email: tpriestley@tpchd.org

TABLE 1: 2025 Water Quality Result

			Dissolved Metals										Total Metals									
Site	Sample ID	Sample Date	Arsenic	Barium	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Zinc	Arsenic	Barium	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Zinc
MCL			0.01	2		1.3											0.3		0.05			
SR0117338	0417153005 10162025	10/16/2025	0.002164	0.003301	10.2	0.001656	ND	8.34	0.04102	1.79	6.29	0.004109	0.0024	0.004	12.5	0.09	0.031	9.8	0.046	2.05	7.63	0.063
SR0117362	0417104027 10142025	10/14/2025	0.000912	0.004689	9.89	0.00121	ND	5.87	0.005634	1.45	7.02	0.001752	0.0009	0.005	11.1	0.004	ND	6.54	0.006	1.7	8.1	0.002
SR0117443	0417101021 10132025	10/13/2025	0.001627	0.00532	12	ND	0.065	7.67	0.1006	2.55	13.6	0.003518	0.0022	0.011	15.1	0.004	2.38	9.51	0.112	3.31	15.6	0.014
SR0117447	0417161046 10142025	10/14/2025	0.000398	0.003411	11.3	0.04662	ND	7.99	0.002391	1.87	7.25	0.01264	0.0004	0.003	12.8	0.045	ND	9.03	0.002	2.22	8.04	0.011
SR0117449	0417108005 10132025	10/13/2025	0.001595	0.009384	15.6	ND	0.128	6.26	0.1466	1.06	10.9	ND	0.0017	0.011	20.3	ND	0.258	8.02	0.167	1.39	12.8	ND
SR0117451	0417033022 10142025	10/14/2025	0.000669	0.006371	22.1	0.03213	ND	15.6	0.7212	1.83	16.2	0.01328	0.0006	0.007	25.6	0.02	ND	18.3	0.718	2.29	18.8	0.012
SR0117456	0417044008 10142025	10/14/2025	0.001708	ND	ND	0.002117	ND	0.051	0.001961	1.05	70.2	0.01191	0.0018	ND	0.07	0.02	0.032	0.055	0.002	1.28	82.8	0.032
SR0117457	0417101025 10162025	10/16/2025	0.004776	0.00798	17.8	ND	0.63	5.89	0.1779	2.02	12.1	0.000909	0.0052	0.008	21.8	ND	0.807	7.12	0.184	2.41	14.1	0.0008
SR0117458	0417164023 10132025	10/13/2025	0.001223	0.01406	15.1	0.001378	0.136	4.19	0.0743	0.774	12	0.01762	0.0014	0.015	19.9	0.002	0.175	5.52	0.077	1.03	14.4	0.018
SR0117459	0417113037 10142025	10/14/2025	0.000548	0.01645	13.2	ND	0.426	6.68	0.1666	1.39	10.7	0.000603	0.0006	0.017	14.8	0.004	0.552	7.6	0.171	1.64	12	0.0009
SR0117478	0417101034 10202025	10/20/2025	0.000355	0.01976	15.9	ND	0.463	7.39	0.1917	1.61	11.4	0.006576	0.0004	0.021	16.3	0.002	0.671	7.41	0.196	1.55	11.8	0.006
SR0117479	0417104022 10202025	10/20/2025	0.000229	0.009966	13.7	ND	0.619	6.85	0.1616	1.21	9.03	0.001216	0.0002	0.011	14.6	0.006	0.703	7.14	0.167	1.24	9.67	0.001
SR0117480	0417037003 10142025	10/14/2025	0.000928	0.003517	14.7	ND	0.092	8.14	0.6171	1.12	15.8	0.002057	0.001	0.005	17	0.001	0.614	9.56	0.649	1.4	18.1	0.007
SR0120516	0417164020 10142025	10/14/2025	0.003289	0.007093	18.9	0.0269	ND	8.48	0.02095	2.33	10.2	0.002579	0.0035	0.008	22.2	0.028	0.094	9.99	0.036	2.88	11.5	0.002
SR0120518	0417034024 10132025	10/13/2025	0.00343	ND	ND	0.000704	ND	ND	0.000388	ND	43.9	0.00456	0.0035	ND	ND	0.001	0.048	ND	0.0004	ND	48.9	0.005
SR0120529	0417104026 10142025	10/14/2025	0.000621	0.01194	11.9	ND	0.633	6.23	0.1579	1.09	8.1	0.03716	0.0006	0.013	14.1	ND	0.802	7.28	0.162	1.36	9.34	0.039
SR0120545	0417164018 10132025	10/13/2025	0.000341	ND	ND	0.01999	ND	ND	ND	ND	47.8	0.005901	0.0004	ND	ND	0.021	ND	ND	ND	ND	55.4	0.005
SR0120564	0417101000 10132025	10/13/2025	0.001506	0.01705	25.3	0.002357	ND	11.3	0.003785	4.16	11.6	0.005542	0.0016	0.017	31.1	0.002	ND	13.9	0.004	5.22	13.4	0.006
SR0120566	0417113011 10202025	10/20/2025	0.002052	ND	ND	ND	ND	ND	0.000461	ND	37.2	0.02417	0.0022	ND	ND	ND	0.138	ND	0.0005	ND	38.2	0.029
SR0120631	0417034030 10162025	10/16/2025	0.00117	0.003026	14.5	ND	0.06	6.81	0.09497	1.62	16.2	ND	0.0016	0.004	18.7	ND	0.395	8.62	0.11	2.03	19.6	ND
SR0120633	0417034045 10162025	10/16/2025	0.000945	0.01562	13.4	ND	0.206	5.17	0.1459	1.11	12	0.003174	0.001	0.017	16.2	ND	0.259	6.23	0.165	1.35	14	0.004
SR0120634	0417104032 10202025	10/20/2025	0.002084	0.003081	10.6	ND	0.162	6.73	0.003779	1.83	7.22	0.001558	0.0026	0.003	11.1	0.008	0.398	6.86	0.004	1.8	9.3	0.003
SR0120939	0417161034 10132025	10/13/2025	0.000809	0.01449	11.9	0.000777	0.269	5.66	0.1818	1.38	7.67	0.001153	0.0009	0.016	15	ND	0.388	7.17	0.193	1.76	9.07	ND
SR0126566	0417034038 10162025	10/16/2025	0.00189	0.003662	13.7	ND	0.178	5.4	0.3393	1.34	12.2	0.001375	0.002	0.004	17.1	0.009	0.213	6.66	0.382	1.65	14.5	0.036
SR0126801	0417094024 10132025	10/13/2025	0.004817	0.007907	29.8	0.000981	0.037	19.4	0.03755	3.48	8.22	0.009433	0.0051	0.008	37.7	0.001	ND	24.8	0.042	4.55	9.68	0.009
SR0126807	0417034015 10142025	10/14/2025	0.003066	0.00267	11	0.000954	ND	7.04	0.01329	1.53	7.16	0.008234	0.0032	0.003	12.8	0.001	ND	8.35	0.015	1.93	8.23	0.011
SR0126808	0417168003 10132025	10/13/2025	0.000777	0.001205	10.5	0.02094	ND	10.9	0.000462	1.59	7.35	0.002964	0.0008	0.001	13.6	0.019	ND	14.2	0.0005	2.11	8.86	0.002
SR0126809	0417102002 10202025	10/20/2025	0.004276	0.004961	16.5	0.000599	ND	6.05	0.07313	1.26	8.63	0.002496	0.0047	0.005	17.4	0.0006	0.155	6.23	0.079	1.26	9.06	0.002
SR0126811	0417044026 10162025	10/16/2025	0.000554	0.00273	15.6	ND	0.156	7.84	0.1179	0.791	8.18	0.001033	0.0006	0.003	19.4	ND	0.226	9.68	0.134	ND	9.67	0.0009
SR0137778	0417104029 10162025	10/16/2025	0.002946	0.006121	9.52	ND	0.156	4.67	0.1171	0.907	7.17	0.01008	0.0032	0.007	11.6	0.0006	0.26	5.69	0.116	1.1	8.42	0.011
SR0138417	0417101019 10202025	10/20/2025	0.002113	0.01484	15.5	ND	0.3	6.37	0.1401	1.3	11.7	0.003114	0.0023	0.016	16.6	ND	0.409	6.64	0.147	1.29	12.3	0.003
SR0142928	0417161020 10162025	10/16/2025	0.003081	0.003308	10.3	ND	0.962	7.16	0.07978	1.85	7.4	0.004458	0.0037	0.004	12.6	0.003	2.19	8.58	0.086	2.09	9	0.004
SR0145751	0417104019 10202025	10/20/2025	0.001757	0.01518	16.9	ND	ND	7.31	0.1235	1.32	11.5	0.01965	0.0024	0.016	17.5	ND	0.475	7.4	0.121	1.27	12	0.022
SR0154486	0417104042 10162025	10/16/2025	0.002614	0.003567	9.78	ND	0.122	4.65	0.1852	0.861	7.38	0.007889	0.0027	0.005	12.5	0.0006	0.242	5.87	0.217	1.09	8.8	0.066
SR0169553	0417101006 10202025	10/20/2025	0.005222	0.0109	22.1	0.000646	0.037	9.15	0.2862	2.7	11.3	0.008325	0.0056	0.012	23.9	0.002	0.274	9.67	0.284	2.76	12.1	0.009
SR0169704	0417104008 10142025	10/14/2025	0.003125	0.01139	14.2	ND	0.437	5.94	0.09649	0.961	10.5	0.002679	0.0035	0.012	16.6	ND	0.679	6.98	0.104	1.2	11.9	0.003
SR0173998	0417164002 10162025	10/16/2025	0.000714	0.001095	10.3	0.001522	ND	9.2	0.000947	1.48	7.39	0.00055	0.0007	0.001	13.1	0.002	ND	11.5	0.001	1.75	9.08	ND
SR0185993	0417108011 10142025	10/14/2025	0.001772	0.01001	13	ND	0.309	6.02	0.1288	1.02	8.56	0.001158	0.0019	0.01	15.6	ND	0.442	7.09	0.123	1.27	9.86	0.0008
SR0192658	0417098701 10132025	10/13/2025	0.004383	ND	ND	0.002372	ND	ND	0.000577	ND	48.8	0.005918	0.0046	ND	ND	0.003	ND	ND	0.0009	ND	60	0.006
SR0192724	0417033705 10202025	10/20/2025	0.000939	0.002582	15.6	ND	1.08	7.77	0.1804	1.49	16.6	0.006003	0.001	0.003	15.7	ND	1.4	7.68	0.183	1.44	16.3	0.005
SR0198408	0417041704 10202025	10/20/2025	0.000977	0.003232	19.9	ND	0.894	9.89	0.685	1.58	15.4	0.005561	0.001	0.003	20.4	0.0007	1.05	9.96	0.701	1.59	15.7	0.006
SR0205003	0417161045 10142025	10/14/2025	0.000854	0.004394	11.3	ND	ND	7.31	0.006534	1.76	7.1	0.009327	0.009	0.021	14.5	0.009	19.4	8.8	0.331	2.08	8.51	0.016
SR0217737	0417104025 10142025	10/14/2025	0.002054	ND	ND	ND	ND	ND	0.000384	ND	37.9	0.001901	0.0022	ND	ND	0.009	0.038	0.008	0.0004	ND	42.8	0.002
SR0219859	0417094703 10132025	10/13/2025	0.003526	0.006217	20.4	0.001078	0.302	12.9	0.2115	2.73	7.39	0.002407	0.0041	0.007	26.3	0.001	0.611	16.7	0.211	3.57	8.9	0.003
SR0230734	0417105004 10202025	10/20/2025	0.000602	0.01678	14.3	ND	0.712	7.2	0.201	1.58	12.1	0.01222	0.0006	0.018	15.3	ND	0.841	7.48	0.211	1.61	13	0.013
SR0254903	0417161042 10132025	10/13/2025	0.000719	0.002741	11.7	0.003368	0.044	9.13	0.000823	1.95	7.21	0.003896	0.0007	0.003	14.8	0.003	ND	11.5	0.0009	2.51	8.48	0.003
SR0254905	0417033702 10202025	10/20/2025	0.00084	ND	ND	0.004003	ND	0.082	0.001123	ND	64.9	0.02903	0.0009	ND	ND	0.005	0.049	0.066	0.001	ND	65.8	0.031
SR0277945	0417152014 10132025	10/13/2025	0.000553	0.001072	13.7	0.003226	0.038	6.96	0.04615	1.69	7.04	0.004179										

TABLE 1: 2025 Water Quality Result

			General Chemistry									
Site	Sample ID	Sample Date	Ammonia	Chloride	Nitrate Nitrogen	Nitrite Nitrogen	Sulfate	Total Dissolved Solids	Total Nitrate + Nitrite	Conductivity	pH	Bacteria
MCL			250		10	1	250	500		700 umhos/cm		
SR0117338	0417153005 10162025	10/16/2025	ND	3.58	0.343	ND	2.92	115	0.343	165	8	S
SR0117362	0417104027 10142025	10/14/2025	ND	3.3	0.7	ND	1.64	127	0.7	144	6.8	S
SR0117443	0417101021 10132025	10/13/2025	ND	3.16	ND	ND	1.91	160	ND	211	6.7	U
SR0117447	0417161046 10142025	10/14/2025	ND	2.77	1.42	ND	1.94	127	1.42	170	6.8	S
SR0117449	0417108005 10132025	10/13/2025	ND	2.02	ND	ND	2.21	135	ND	205	6.7	S
SR0117451	0417033022 10142025	10/14/2025	ND	4.7	0.31	ND	30.2	203	0.31	343	7.1	S
SR0117456	0417044008 10142025	10/14/2025	0.021	33.6	ND	ND	15.2	232	ND	364	7.2	S
SR0117457	0417101025 10162025	10/16/2025	0.069	5.73	ND	ND	1.22	146	ND	223	7.3	S
SR0117458	0417164023 10132025	10/13/2025	ND	2.63	ND	ND	1.05	81	ND	186	7.2	S
SR0117459	0417113037 10142025	10/14/2025	ND	2.23	ND	ND	1.68	116	ND	180	7.3	S
SR0117478	0417101034 10202025	10/20/2025	0.021	2.25	ND	ND	2.72	126	ND	185	6.8	S
SR0117479	0417104022 10202025	10/20/2025	ND	2.25	ND	ND	1.77	126	ND	169	7.1	S
SR0117480	0417037003 10142025	10/14/2025	0.03	2.66	ND	ND	1.11	153	ND	223	7	S
SR0120516	0417164020 10142025	10/14/2025	ND	4.07	0.41	ND	4.36	166	0.41	244	7	S
SR0120518	0417034024 10132025	10/13/2025	ND	2.58	ND	ND	2.39	151	ND	200	7.2	S
SR0120529	0417104026 10142025	10/14/2025	ND	2.27	ND	ND	1.62	117	ND	167	7.2	S
SR0120545	0417164018 10132025	10/13/2025	ND	10.8	5.84	ND	4.81	173	5.84	294	6.1	S
SR0120564	0417101000 10132025	10/13/2025	ND	22.9	5.17	ND	24.7	225	5.17	351	6.7	S
SR0120566	0417113011 10202025	10/20/2025	ND	2.15	ND	ND	1.93	103	ND	155	7.1	S
SR0120631	0417034030 10162025	10/16/2025	ND	2.25	ND	ND	3.73	139	ND	213	7.3	S
SR0120633	0417034045 10162025	10/16/2025	0.042	2.03	ND	ND	2.05	105	ND	173	7.5	S
SR0120634	0417104032 10202025	10/20/2025	ND	2.12	0.078	ND	2.59	128	0.078	140	6.9	S
SR0120939	0417161034 10132025	10/13/2025	0.061	2.35	ND	ND	2.16	93	ND	160	6.8	S
SR0126566	0417034038 10162025	10/16/2025	0.038	2.14	ND	ND	2.75	110	ND	182	7.3	S
SR0126801	0417094024 10132025	10/13/2025	0.026	19.3	ND	ND	15	208	ND	408	7.4	S
SR0126807	0417034015 10142025	10/14/2025	ND	4.34	0.948	ND	7.07	99	0.948	170	7.1	S
SR0126808	0417168003 10132025	10/13/2025	ND	7.12	3.86	ND	3.85	140	3.86	213	6.6	S
SR0126809	0417102002 10202025	10/20/2025	0.021	2.35	0.027	ND	2.58	160	0.027	121	7.4	S
SR0126811	0417044026 10162025	10/16/2025	ND	5.52	ND	ND	3.09	120	ND	197	7.5	S
SR0137778	0417104029 10162025	10/16/2025	ND	2.17	ND	ND	1.46	98	ND	129	7.4	S
SR0138417	0417101019 10202025	10/20/2025	ND	2.15	ND	ND	2.89	111	ND	184	7.2	S
SR0142928	0417161020 10162025	10/16/2025	ND	1.9	ND	ND	1.23	156	ND	157	6.9	S
SR0145751	0417104019 10202025	10/20/2025	ND	2.23	0.028	ND	3.11	115	0.028	189	7	S
SR0154486	0417104042 10162025	10/16/2025	ND	1.98	ND	ND	2.14	101	ND	136	7.3	S
SR0169553	0417101006 10202025	10/20/2025	0.102	7.73	ND	ND	3.51	118	ND	251	7.2	S
SR0169704	0417104008 10142025	10/14/2025	ND	1.76	ND	ND	1.73	98	ND	182	7.1	U
SR0173998	0417164002 10162025	10/16/2025	ND	4.1	2.36	ND	2.54	159	2.36	182	6.9	S
SR0185993	0417108011 10142025	10/14/2025	0.021	2.26	ND	ND	1.8	92	ND	174	7.3	S
SR0192658	0417098701 10132025	10/13/2025	ND	5.8	ND	ND	4.17	109	ND	252	7.8	S
SR0192724	0417033705 10202025	10/20/2025	ND	2.38	ND	ND	1.61	126	ND	197	7.2	S
SR0198408	0417041704 10202025	10/20/2025	ND	1.94	ND	ND	0.33	137	ND	239	7.3	S
SR0205003	0417161045 10142025	10/14/2025	ND	2.07	0.147	ND	1.03	131	0.147	165	6.8	S
SR0217737	0417104025 10142025	10/14/2025	ND	2.38	ND	ND	3.31	102	ND	173	6.8	S
SR0219859	0417094703 10132025	10/13/2025	0.035	9.23	ND	ND	11.2	157	ND	291	7.3	S
SR0230734	0417105004 10202025	10/20/2025	ND	2.03	ND	ND	2.6	141	ND	188	7.1	S
SR0254903	0417161042 10132025	10/13/2025	ND	3.82	1.67	ND	3.23	200	1.67	194	6.6	S
SR0254905	0417033702 10202025	10/20/2025	ND	3.06	ND	ND	0.39	157	ND	263	8	S
SR0277945	0417152014 10132025	10/13/2025	ND	2.28	1.79	ND	1.22	167	1.79	180	6.7	S
SR0278346	0417034010 10202025	10/20/2025	0.135	12.4	ND	ND	5.09	226	ND	350	7.3	S
SR0278348	0417161014 10162025	10/16/2025	ND	2.07	0.306	ND	1.14	155	0.306	168	7	S
SR0289614	0417104038 10162025	10/16/2025	0.024	2.01	ND	ND	3.09	140	ND	194	7.3	S
SR0289616	0417108014 10162025	10/16/2025	ND	2.24	ND	ND	2.18	96	ND	161	7.2	S
SR0300313	0417033705 10202025	10/20/2025	ND	2.38	ND	ND	1.61	126	ND	197	7.2	S
WRP2025-00001	0417108010 10162025	10/16/2025	ND	2.25	ND	ND	2.34	107	ND	171	7.4	S

Units of measurement = Parts Per Million (mg/L), except for bacteria, conductivity, and pH MCL = Maximum Contamination Level ND = Not detected at the specified laboratory detection limit U = Unsatisfactory (bacteria are present in the sample) S = Satisfactory
Please refer to the “Water Quality and Abbreviation and Notes” page for information about the terms used on this table.

TABLE 3: 2025 Water Quality Duplicate Results

Chemical or Analyte----->																					
		Dissolved Metals										Total Metals									
Site	Sample Date	Arsenic	Barium	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Zinc	Arsenic	Barium	Calcium	Copper	Iron	Magnesium	Manganese	Potassium	Sodium	Zinc
MCL		0.01	2		1.3							0.3					0.05				
SR0117457	10/16/2025	0.004697	0.007625	17.8	ND	0.617	5.9	0.1622	2	12	0.000573	0.005	0.009	21.7	ND	0.84	7.14	0.178	2.39	14.2	0.0006
SR0117479	10/20/2025	0.000235	0.008172	13.8	ND	ND	6.91	0.158	1.23	9.08	ND	0.0002	0.011	14.6	0.0006	0.593	7.14	0.169	1.24	9.69	0.0006
SR0120518	10/13/2025	0.003309	ND	ND	0.001952	0.053	ND	0.000512	ND	44	0.03325	0.0035	ND	ND	0.002	ND	ND	0.0004	ND	50	0.005
SR0120529	10/14/2025	0.000607	0.01215	12.2	ND	0.575	6.33	0.1615	1.11	8.21	0.02245	0.0006	0.013	14.3	ND	0.875	7.37	0.164	1.36	9.33	0.034

		General Chemistry										
Site	Sample Date	Ammonia	Chloride	Nitrate Nitrogen	Nitrite Nitrogen	Sulfate	Total Dissolved Solids	Total Nitrate + Nitrite	Conductivity	pH	Bacteria	
MCL		250		10		1	250	500	700 umhos/cm			
SR0117457		0.065	2.65	ND		ND	1.2	146	ND	208	7.3	S
SR0117479		ND	2.24	ND		ND	1.81	148	ND	167	7	S
SR0120518		ND	2.59	ND		ND	2.37	146	ND	206	6.9	S
SR0120529		ND	2.28	ND		ND	1.69	116	ND	166	7.3	S

Units of measurement = Parts Per Million (mg/L)
ND = Not detected at the specified laboratory detection limit
MCL = Maximum Contamination Level
MCL exceedances for Iron and Manganese do not pose a health risk.
Please refer to the “Water Quality and Abbreviation and Notes” page for information about the terms used on this tabl

TABLE 4:

2025 Water Quality VOC Duplicate Results

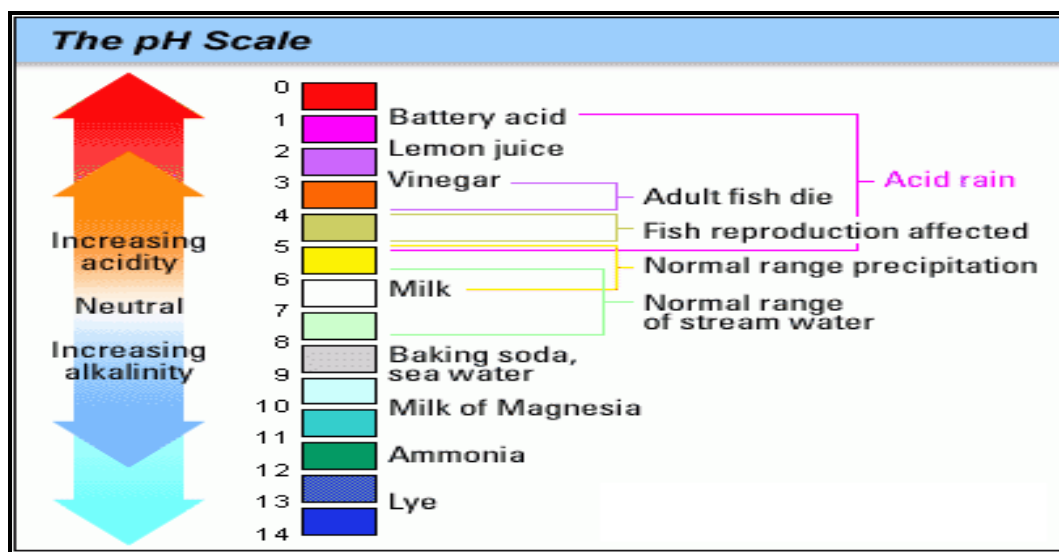
	SR0117457 Dup	SR0117479 Dup	SR0120529 Dup
1,1,1,2-Tetrachloroethane	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND
1,1-Dichloropropene	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND
1,2-Dibromo-3-Chloropropane	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND
1,2-Dichlorobenzene-d4	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND
1,3-Dichloropropane	ND	ND	ND
1,3-Dichloropropene	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND
1,4-Dioxane	ND	ND	ND
2,2-Dichloropropane	ND	ND	ND
2-Butanone	ND	ND	ND
2-Chlorotoluene	ND	ND	ND
4-Bromofluorobenzene	ND	ND	ND
4-Chlorotoluene	ND	ND	ND
Acetone	ND	ND	ND
Acrylonitrile	ND	ND	ND
Benzene	ND	ND	ND
Bromobenzene	ND	ND	ND
Bromochloromethane	ND	ND	ND
Bromodichloromethane	ND	ND	ND
Bromoform	ND	ND	ND
Bromomethane	ND	ND	ND
Carbon Disulfide	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND
Chlorobenzene	ND	ND	ND
Chlorodibromomethane	ND	ND	ND
Chloroethane	ND	ND	ND
Chloroform	ND	ND	ND
Chloromethane	ND	ND	ND
Cis-1,2-Dichloroethene	ND	ND	ND
Cis-1,3-Dichloropropene	ND	ND	ND
Dibromomethane	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND
Ethylbenzene	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND
Isopropylbenzene	ND	ND	ND
m,p-xylene	ND	ND	ND
Methyl t-butyl ether	ND	ND	ND
Methylene Chloride	ND	ND	ND
Naphthalene	ND	ND	ND
n-Butylbenzene	ND	ND	ND
n-Propylbenzene	ND	ND	ND
o-Xylene	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND
Sec-Butylbenzene	ND	ND	ND
Styrene	ND	ND	ND
Tert-Butylbenzene	ND	ND	ND
Tetrachloroethylene	ND	ND	ND
Toluene	ND	ND	ND
Toluene-d8	ND	ND	ND
Total Xylenes	ND	ND	ND
Trans-1,2-Dichloroethene	ND	ND	ND
Trans-1,3-Dichloropropene	ND	ND	ND
Trichloroethylene	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND
Trihalomethanes, total	ND	ND	ND
Vinyl Chloride	ND	ND	ND

Units of measurement = Parts per Billion (ug/L)
MCL = Maximum Contamination Level

ND = Not detected at the specified laboratory detection limit

Water Quality Abbreviations and Notes:

Analyte:	The chemical or metal tested for in the water sample.
Result:	The level of the chemical or mineral detected by the laboratory in this water sample.
ND:	Non-Detect, the chemical or metal was not detected in this water sample.
Unit:	The unit of measure reported by the laboratory.
mg/l:	milligrams per liter, or 1 part per million.
MCL:	“Maximum Contaminant Level”. The water quality standard established by state or federal regulation.
#/100ml:	The number of bacteria colonies detected in 100 milliliters of water. Note: An MCL of “0.00” means that there should be no bacteria detected in the water sample.
umhos/cm:	microMhos per centimeter, a measurement of the ability of the water to conduct an electrical charge. Used to help determine the presence of some chemical ions.
ppb:	Parts per billion often expressed as micrograms per liter (ug/L)
pH:	A numerical measure of the level of acidity or alkalinity of the water. See the table below.



APPENDIX A

Sampling for Volatile Organic Compounds

In 2007, several program participants and members of the Graham Land Use Advisory Commission asked why ‘volatile organic compounds’ (VOCs) had not been included in the original LRI Landfill residential drinking water sampling program. They asked to have the sampling program modified to include testing for these volatile organic compounds. Because of the request and inquiries, the sampling program changed to include 68 VOCs for analysis.

The program modification included a provision to test each participating well every five-year period for VOCs. This modification began during the Fall 2007 sampling event with the testing of nine residential wells for VOCs.

Where do VOCs come from?

Common artificial sources of VOCs are many and varied, but can include paint thinners, dry cleaning solvents, and some constituents of petroleum-based fuels (e.g., gasoline and natural gas). Landfills, through the anaerobic digestion of waste generates methane gas, which is also considered a VOC.