

Richmond Landfill - Historical Results (Leachate)

Location	Date	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L	Chemical Oxygen Demand mg/L	Chloride mg/L	Chromium (Total) mg/L	Cobalt mg/L	Conductivity µS/cm	Copper mg/L	Dissolved Organic Carbon mg/L	Hardness mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Naphthalene mg/L	Nickel mg/L	Nitrate mg/L	Nitrite mg/L	N-nitrosodimethylamine mg/L	pH (Lab) unitless	Phenols mg/L	Phosphorus (total) mg/L	Potassium mg/L	Sodium mg/L	Sulphate mg/L	Total Dissolved Solids mg/L	Total Kjeldahl Nitrogen mg/L	Zinc mg/L	
Inorganic and General Parameters																																		
LW-P1	2014-05-05	5500	973	140	16	< 0.0005	82	3300	2700	0.13	0.076	17000	< 0.01	1100	550	3.2	0.026	88	0.066	< 0.25	0.27	< 2	< 0.2	0.000017	7.86	0.37	5.8	520	2100	< 20	7610	1100	0.15	
LW-P1	2015-04-20																			0.013														
LW-P1	2015-04-21	6500	1400	230	13	0.00056	59	3600	2500	0.13	0.068	19600	< 0.005	1100	460	4.4	0.024	76	0.05		0.22	< 2	0.24	0.00012	7.91	0.94	5.2	450	1900	< 100	7370	1600	0.026	
LW-P1	2015-11-24	7200	1490		15		64		2400			19700		1100		4.3		80	0.041			< 2	< 0.2				510	2100	< 20	8040				
LW-P1	2016-05-02	7800	1600	110	14	< 0.001	55	3600	2300	0.14	0.072	20000	< 0.02	1000	450	4.1	0.012	74	0.04	< 0.05	0.23	< 2	< 0.2	0.000011	7.95	0.22	6	500	2000	< 20	7910	1600	< 0.1	
LW-P1	2017-05-01	6400	1260	110	11	< 0.0005	60	2500	2200	0.1	0.061	17000	< 0.01	780	400	3.7	0.007	64	0.04	0.011	0.2	< 2	< 0.2	< 0.000008	7.81	< 0.4	6.1	410	1700	< 100	6580	1300	< 0.05	
LW-P1	2018-05-24	5100	924	110	11	< 0.001	88	2400	2300	0.099	0.069	16000	< 0.02	890	510	4.2	0.009	71	0.086	0.0094	0.23	< 5	< 0.5	< 0.000016	7.73	0.108	7.6	450	1700	< 20	5900	1000	< 0.1	
LW-P1	2019-05-03	6000	1170	150	15	< 0.001	98	2800	2800	0.13	0.098	19000	< 0.02	1100	600	4.6	0.006	86	0.12	0.01	0.31	< 2	< 0.2	< 0.000008	7.74	< 0.2	8.7	580	2200	< 20	8500	1100	< 0.1	
LW-P2	2014-05-05	7100	1380	630	20	< 0.0005	58	4500	3100	0.21	0.085	21900	< 0.01	1000	720	2.9	0.014	140	0.068	0.1	0.37	< 2	< 0.2	< 0.000008	7.78	0.35	6.9	900	2700	< 20	9180	1400	0.12	
LW-P2	2015-04-20																			0.077														
LW-P2	2015-04-21	6400	1170	270	17	< 0.0005	48	3200	2900	0.14	0.071	21000	< 0.005	890	630	5.6	0.0052	120	0.061		0.32	< 2	0.39	0.00011	7.81	0.59	5.2	690	2300	< 100	9140	1200	0.054	
LW-P2	2015-11-24	6600	1190		21		52		2700			20200		890		14		120	0.065			< 1	< 0.2				810	2500	< 20	9150				
LW-P2	2016-05-02	6700	1200	390	21	< 0.001	49	4200	2900	0.15	0.067	20000	< 0.02	820	650	3.3	< 0.005	120	0.062	0.13	0.32	< 1	< 0.1	0.000013	7.73	0.23	5.4	800	2500	< 20	9730	1200	< 0.1	
LW-P2	2017-05-01	7000	1160	610	20	< 0.0005	48	4900	3200	0.15	0.066	21000	< 0.01	870	630	3.5	0.004	120	0.048	0.24	0.32	< 2	< 0.2	< 0.000008	7.73	< 0.4	5.1	700	2400	< 100	9810	1200	< 0.05	
LW-P2	2018-05-24	6600	1050	510	18	< 0.001	48	2500	2800	0.11	0.07	19000	< 0.02	740	560	2.9	< 0.005	110	0.045	0.27	0.31	< 5	< 0.5	< 0.000016	7.8	0.159	4.7	700	2400	< 20	7050	1100	< 0.1	
LW-P2	2019-05-03	6300	1050	260	20	< 0.001	51	2600	2600	0.1	0.077	19000	< 0.02	760	540	6.3	< 0.005	100	0.042	0.066	0.35	< 2	< 0.2	< 0.000008	7.75	< 0.2	4.8	710	2400	< 20	8730	1000	< 0.1	
North Chamber	2000-02-04	5180	590	2220		ND	492	6510	1620	ND		9300		1800	2400	159		283				ND	ND		7.24	1.3		380	1140	38		590		
North Chamber	2000-03-01	4630	590	2750		ND	426	5300	1200	0.04		9310		1480	2280	40.6		295				ND	ND		7.24	1.15		395	1060	36		590		
North Chamber	2000-04-07	4002	375	2200		ND	392	3720	809	0.03		7410		1120	1980	41		244				ND	ND		7.13	0.751		314	866	21		652		
North Chamber	2000-05-05	3700	330	3130		0.007	498	3780	1000	0.03		7620		1380	2350	46		268				ND	ND		7.33	1.01		316	965	246		367		
North Chamber	2000-06-01	3450	310	2440		ND	456	3370	1090	0.03		8260		1360	2090	23.3		231				0.22	0.1		7.99	0.94		300	890	8		351		
North Chamber	2000-07-04	4240	416	2030		ND	762	2960	1340	0.03		6330		1280	3510	37.2		389				ND	ND		7.2	1.32		610	1470	18		416		
North Chamber	2000-07-31	3210	393	2600		ND	540	3850	1050	0.02		6310		1400	2630	11.3		311				0.23	ND		7.47	1.34		380	1060	14				
North Chamber	2000-08-29	4220	439	3120		ND	459	4000	1120	0.03		10700		1420	2310	25.9		282	1.5			ND	ND		7.36	1.07		370	981	38		597		
North Chamber	2000-10-04	4930	650		6.64	ND	403	7600	1470	0.05		13400				59.2	0.003	276	1.5			ND	ND					642	1070	147		754		
North Chamber	2000-10-30	4180	465	3020		ND	349	4750	1240	0.04		11200		1590	1890	31.4		248				0.18	ND		7.27	0.966		486	1160	ND		465		
North Chamber	2000-12-07	2390	202	1410		ND	506	1630	730	0.02		6460		584	2210	23.4		230				ND	ND		7	0.595		373	784	153		258		
North Chamber	2001-01-03	2950	220	963		ND	367	1530	840	0.02		6680		660	1730	24.2		197				ND	ND		6.86	0.553		252	663	5		276		
North Chamber	2001-02-02	3560	162	1470		ND	537	2750	1080	0.04		8150		1140	2140	97.2		194				ND	ND		6.88	0.733		303	687	13		329		
North Chamber	2001-03-07	3130	244	960		ND	342	1600	563	0.03		6440		520	1600	49.2		181				ND	ND		6.83	0.543		250	550	6		270		
North Chamber	2001-04-05	2580	186	1000		ND	338	1450	488	0.03		5000		465	1490	31.1		157				ND	ND		6.76	0.44		170	397	6		210		
North Chamber	2001-05-03		ND		3.62	ND				0.03																								
North Chamber	2001-06-06	3550	340	2050		ND	466	4000	802	0.02		8620	ND	1220	2180	8.72	ND	246			0.1	ND	ND		7.16	0.769		330	799	16		411		
North Chamber	2001-07-04	4320	392	1890	5.61	ND	369	2410	1400	0.05	0.05	9980	0.002	907	2000	38.8	ND	261	1.48		0.11	ND	ND		7.59	1.34	1.76	420	986	3		444	0.53	
North Chamber	2001-08-08	4910	489	2000		ND	215	3530	1130	0.05		11300	0.003	1040	1750	37.5	ND	294			0.14	ND	ND		7.11	0.442		582	1168	38		547		
North Chamber	2001-09-06	3900	359		4.85	ND	650	3660	1070	0.03	0.02	9450	ND	1290	3020	43.7	ND	339	2.77		0.12	ND	ND		6.76	0.803	1.28	414	1150	75		435	0.42	
North Chamber	2001-10-03	4270	367	6195	4.51	ND	806	9195	896	0.03	0.12	9630		3180	2950	50.1		226	3.5			ND	ND		6.85	1.55	4.29	282	717	388		418	0.54	
North Chamber	2001-11-01	5160	459	7110	8.31	ND	827	12760	1120	0.03	0.02	11700	0.001	4110	3230	52.3	0.001	282	4.22		0.07	ND	ND		7.04	2.22	1.54	415	927	8		512	0.1	
North Chamber	2001-12-07	3420	354	2540	3.67	ND	348	3940	865	0.02	ND	8050	0.005	1210	1730	41.3	0.005	210	0.87		0.05	ND	ND		7.07	0.91	0.26	318	772	11		392	0.29	
North Chamber	2002-01-09	3150	260		4.22	ND	376	2570	734																									

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Inorganic and General Parameters																																	
North Chamber	2003-02-12				2.86	ND	288			0.007	ND		ND			18.7	ND	161	0.598		0.04							211	586				0.177
North Chamber	2003-03-03	3550	318	663	3.93	ND	291	1530	1060	0.025	0.015	9020	0.006	525	1550	41.5	ND	201	0.572		0.06	ND	ND		6.98	0.288	0.58	317	922	24		380	
North Chamber	2003-04-01	1800	103	609		< 0.001	352	1170	591	0.012		4890		411	1360	27.3		116		0.0011		< 0.1	< 0.1		6.58	0.388	0	91	415	55		148	
North Chamber	2003-05-08	1170	84	172	1.92	< 0.001	228	575	899	0.009	0.008	4620	0.013	190	1050	5.94	0.007	88	0.607	0.0014	0.045	< 0.1	< 0.1		7.03	0.074	0.45	142	445	355		111	0.416
North Chamber	2003-06-03	3260	248	543	3.25	ND	323	1280	748	0.024	0.016	7240	ND	364	1600	46.1	ND	193	0.913		0.04	ND	ND			0.365	0.5	290	698	5		304	0.343
North Chamber	2003-07-04	4310	362	1060	5	< 0.01	320	2320	1100	< 0.05	< 0.05	9990	< 0.05	707	1670	39.7	< 0.01	211	0.88	< 0.0004	0.08	< 0.1	< 0.1		7.16	0.382	0.84	413	1060	16		559	0.31
North Chamber	2003-08-05	4930	124			< 0.01	220			< 0.05	< 0.05		< 0.05	611	1580		0.01	< 249		0.0028	0.13	< 0.1	< 0.1		7.14	0.341						430	0.54
North Chamber	2003-09-02	4730	504			< 0.001	205			0.043	< 0.005		0.016	583	1400		< 0.01	216		0.0042	0.176	< 0.1	< 0.1		7.14	0.291						554	0.696
North Chamber	2003-10-03	4230	417			< 0.001	237			0.044	< 0.005		0.028	516	1450		< 0.01	208		0.005	0.123	< 1	< 0.1		7.22	0.265						503	0.37
North Chamber	2003-11-03	567	29			< 0.001	136			0.015	0.006		0.025	53.8	574		0.007	57		< 0.0004	0.04	3.66	0.26		7.96	0.004						46.3	0.033
North Chamber	2003-12-05	1520	95			< 0.001	218			0.091	0.006		0.004	164	878		0.003	81		0.0031	0.046	< 0.5	< 0.1		6.66	0.129						143	0.21
North Chamber	2004-01-07	456	16.6			< 0.001	107			0.023	< 0.005		0.01	37.4	407		0.003	34		0.0004	0.017	< 0.1	< 0.1		7.4	0.005						22.9	0.02
North Chamber	2004-02-11	3050	269			< 0.001	303			0.032	< 0.005		0.015	267	1380		< 0.01	152		0.0054	0.067	< 1	< 0.1		6.94	0.142						300	0.35
North Chamber	2004-03-04	630	28			< 0.001	85			0.028	0.006		0.027	52.6	360		0.011	36		< 0.0004	0.028	< 0.5	< 0.1		7.69	0.02						35.6	0.04
North Chamber	2004-04-20	2580	230			< 0.001	271			0.03	< 0.005		0.038	198	1200		< 0.01	135		0.0008	0.064	< 0.5	< 0.1		6.8	0.107						244	0.36
North Chamber	2004-05-06	2300	172	168	2.5	< 0.001	272			< 0.01	0.008	5160	< 0.01	194	1130	26.1	0.005	110	1.5	0.002	0.05	< 0.1	< 0.1		6.89		0.86		430	2		621	0.2
North Chamber	2004-06-02	2630	180			0.001	252			0.049	0.105		0.022	172	1130		< 0.01	122		0.0021	0.064	< 0.5	< 0.5		7	0.079						201	0.28
North Chamber	2004-07-06	4650	504	690	7.3	< 0.001	227			0.18	0.027	11500	< 0.01	555	1420	29.2	< 0.01	207	0.5	0.0038	0.13	< 0.1	< 0.1		7.15		1.18		1070	12			0.2
North Chamber	2004-08-10	3170	294			< 0.001	21			0.037	0.087		0.029	230	106		0.02	13		0.0033	0.083	0.57	< 0.1	< 0.1		7						330	0.26
North Chamber	2004-10-06	3840	391			< 0.001	176			0.044	0.011		0.041	182	1030		< 0.01	144		0.0054	0.101	< 0.5	< 0.1		7.03							396	0.21
North Chamber	2004-11-16			450	5.58		25					9650				27.4		20	0.56								1.9		101	9			
North Chamber	2004-12-01	2250	201			0.003	220			0.028	0.015		0.036	151	994		0.01	108		0.0015	0.069	< 0.5	< 0.1		6.78							245	0.19
North Chamber	2005-01-07	2080	132			< 0.001	289			0.018	0.005		0.01	120	1240		< 0.01	127		0.0021	0.039	< 0.5	< 0.1		6.79							172	0.18
North Chamber	2005-01-25	2400	195			< 0.001	300			< 0.005	0.006		0.014	127	1320		< 0.01	139		0.0035	< 0.005	< 0.5	< 0.1		6.92							213	0.27
North Chamber	2005-03-01	4180	431			0.001	257			0.04	0.018		0.014	432	1450		< 0.01	197		0.004	0.061	< 0.5	< 0.1		7.03	0.149						482	0.3
North Chamber	2005-03-30	3900	374			0.001	259			0.081	0.035		0.044	285	1450		< 0.01	196		0.0034	0.062	< 0.5	< 0.1		6.98	0.065						375	0.79
North Chamber	2005-05-05	431	8.39	8	0.99	< 0.0001	39			0.002	0.0022	1970	0.003	25.5	< 1	0.96	< 0.001	43	0.06	< 0.0002	0.033	2.26	0.18		7.81	< 0.001	0.07		260	25		12.4	0.01
North Chamber	2005-06-03	420	2.6			< 0.0001	36			0.004	0.0019		0.003	26.2	288		< 0.001	48		< 0.0004	0.033	6.99	0.29		8.08	< 0.001						7.12	0.02
North Chamber	2005-07-07	668	32			< 0.0001	37			< 0.005	0.0031		0.003	53.8	315		< 0.001	54		0.0004	0.041	< 0.1	< 0.1		7.74	0.009						38	0.04
North Chamber	2005-08-09	2250	212			< 0.001	99			0.02	0.01		< 0.01	155	589		< 0.01	83		0.0067	0.07	< 0.5	< 0.1		6.74	0.028						235	< 0.1
North Chamber	2005-09-23	446	5.51			< 0.0001	21			0.007	0.0012		0.002	34.8	246		< 0.001	47		< 0.0004	0.031	< 0.1	< 0.1		8.7	< 0.001						11.5	< 0.01
North Chamber	2005-10-06	1300	92.8			< 0.001	131			0.009	0.005		< 0.01	75.8	574		< 0.01	60		< 0.002	< 0.05	< 0.1	< 0.1		6.77	0.016						108	< 0.1
North Chamber	2005-12-01	2010	171			< 0.001	196			< 0.005	0.009		< 0.005	99.9	848		< 0.01	87		0.0003	0.048	< 0.5	< 0.1		6.69	0.019						181	0.1
North Chamber	2006-01-12	1830	131			< 0.001	211	397		0.012	0.006	4270	< 0.01	143	881		< 0.01	86		< 0.0002	< 0.05	< 0.1	< 0.1		6.77	0.062					2780	147	0.1
North Chamber	2006-02-02	2340	181			< 0.001	188	532		0.014	0.009	5260	< 0.01	126	787		< 0.01	77		0.0042	0.06	0.27	< 0.1		6.71	0.038					3420	217	< 0.1
North Chamber	2006-03-01	1730	129			< 0.001	172	356		0.014	0.006	3760	< 0.01	101	701		< 0.01	66		0.0037	0.1	< 0.1	< 0.1		6.56	0.029					2440	138	< 0.1
North Chamber	2006-04-05	2160	159			< 0.001	178	508		0.012	0.007	5110	< 0.01	121	762		< 0.01	77		0.0013	0.11	< 0.1	< 0.1		6.76	0.033					3320	201	0.1
North Chamber	2006-05-29	2770	245	89	3.3	< 0.001	244	623		0.018	0.011	5040	< 0.01	162	1120	15.8	< 0.01	125	1	0.094	0.07	< 0.1	< 0.1		6.96	0.028	1.09		510	4	3060	249	0.1
North Chamber	2006-06-22	793	54			< 0.001	52	411		< 0.01	0.003	2740	< 0.01	61.7	328		0.01	48		0.0002	< 0.05	< 0.1	< 0.1		7.2	0.004					1780	61	< 0.1
North Chamber	2006-07-11	411	6			< 0.0001	28																										

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Inorganic and General Parameters																																				
North Chamber	2011-10-28			190	11		130		1590			15200				4.7		140	0.34																	
North Chamber	2011-11-15	7550	1590			< 0.001				0.27	0.072		0.021	933	880		0.01			0.0053	0.34	< 1	< 0.1		7.71	0.5						1300	0.13			
North Chamber	2011-12-23	2900	446			0.0002				0.074	0.02		< 0.01	259	870		0.0031			0.0081	0.097	< 1	< 0.1		7.34	< 1						480	0.059			
North Chamber	2012-01-25	3240	443			< 0.0001				0.068	0.022		< 0.01	216	930		0.0029			0.013	0.095	< 0.5	< 0.05		7.21	0.1						450	0.051			
North Chamber	2012-02-21	4590	761			0.0003				0.12	0.037		0.005	403	1000		0.0038			0.01	0.16	< 0.5	< 0.05		7.38	0.07						910	0.057			
North Chamber	2012-03-18	3500	490			0.0002				0.075	0.022		0.012	250	940		0.0035			0.0071	0.11	< 0.1	0.011		7.6	0.76						480				
North Chamber	2012-03-19	3600	491			0.0001				0.073	0.021		0.01	250	920		0.0035			0.0073	0.11	< 0.1	0.013		7.55	0.79						480	0.054			
North Chamber	2012-04-22	6700	1130			< 0.001				0.29	0.055		< 0.02	770	920		0.009			< 0.01	0.23	< 1	< 0.1		7.68	1.2						1200	0.1			
North Chamber	2012-04-23	6700	1150	200	9.8	< 0.001	130	2900	2100	0.28		18400	0.014	871	930	14	0.0089	150	0.4	< 0.025		< 2	< 0.2		7.57	0.54	7.4	540	2000	110	7650	1300	0.089			
North Chamber	2012-05-07	3100	422			< 0.0001				0.067	0.019		0.009	240	820		0.0029			< 0.005	0.1	< 1	< 0.1		7.32	0.8						470	0.039			
North Chamber	2012-06-12	5800	920			< 0.0005				0.18	0.048		0.016	580	1000		0.01			0.0026	0.2	< 5	< 0.5		7.69	1.6						930				
North Chamber	2012-06-13	6000	972			0.0004				0.18	0.048		0.015	590	1000		0.009			0.0025	0.19	< 5	< 0.5		7.74	1.7						1100	0.27			
North Chamber	2012-07-05	6200	1200			0.006				0.33	0.31		1.3	550	1000		0.19	0.33	0.31	0.0025	0.46	< 0.1	0.064		7.62	0.058						960	12			
North Chamber	2012-08-16	6500	1190			< 0.001				0.21	0.059		0.033	620	980		0.006			0.003	0.26	< 2	< 0.2		7.69	0.14						1200	< 0.1			
North Chamber	2012-09-24	2400	370			< 0.0005				0.054	0.02		0.027	210	810		0.0035			0.0013	0.084	< 1	< 0.1		7.31	0.043						400				
North Chamber	2012-09-25	2600	370			< 0.0005				0.05	0.019		0.025	210	830		0.004			0.003	0.079	< 1	< 0.1		7.27	0.042						400	< 0.05			
North Chamber	2012-09-26	2400	370	99	4	< 0.0005	220			0.056	0.02	7200	0.025	210	820	25	0.0037	92	0.45	0.0015	0.084	< 1	< 0.1		7.4	0.033	2.6	230	770	240		390	0.054			
North Chamber	2012-10-22	4000	565	120	5.2	< 0.001	140	1100	1200	0.09		10400	< 0.01	329	780	5.2	< 0.005	110	0.27	< 0.025		< 1	< 0.1		7.48	0.04	3.8	290	1000	97	4530	680	0.069			
North Chamber	2012-10-23	4600	568			< 0.0001				0.094	0.033		0.014	35	800		0.0044			0.00081	0.14	< 1	< 0.1		7.48	0.032						750	0.065			
North Chamber	2012-11-21	4300	662			< 0.0005				0.11	0.036		0.015	390	890		0.004			0.0032	0.16	< 2	< 0.2		7.53	0.032						640	0.06			
North Chamber	2012-12-10	3200	460			< 0.0001				0.087	0.029		0.014	260	82		0.0056			0.0028	0.13	< 1	< 0.1		7.24	0.037						440				
North Chamber	2012-12-11	3200	471			< 0.0001				0.073	0.025		0.009	250	83		0.0033			0.0034	0.11	< 1	< 0.1		7.23	0.032						460	0.049			
North Chamber	2013-01-08	2900	320			< 0.0001				0.049	0.018		0.004	180	940		0.0018			0.0064	0.078	< 1	< 0.1		7.16	0.043						380	0.032			
North Chamber	2013-02-12	3200	650			0.0001				0.11	0.034		0.005	320	1000		0.0037			0.0084	0.15	< 0.1	< 0.01		7.47	0.041						690	0.046			
North Chamber	2013-03-12	4700	960			< 0.0005				0.14	0.041		0.016	420	920		0.0054			0.0056	0.2	< 2	< 0.2		7.31	1.1						830	0.065			
North Chamber	2013-03-13	4100	890			< 0.0005				0.13	0.039		0.014	410	940		0.005			0.0078	0.19	< 2	< 0.2		7.29	1.1						810	0.058			
North Chamber	2013-04-25	5200	409			< 0.0001				0.054	0.018		0.011	170	840		0.0025			0.0067	0.078	< 1	< 0.1		7.25	0.43						350	0.031			
North Chamber	2013-04-26	2700	405	66	3.3	< 0.0001	200	510	800	0.053	0.018	6970	0.011	184	850	17	0.0024	100	1	0.0072	0.075	< 1	< 0.1		7.2	0.043	2.6	190	660	< 10	2960	350	0.032			
North Chamber	2013-05-02			43		< 0.005		680		0.05	< 0.02		< 0.02				< 0.05		0.95		0.08				7.41	0.033	2.9					380	0.03			
North Chamber	2013-05-28	5000	838			< 0.001				0.15	0.047		< 0.02	44	930		< 0.005			0.0078	0.2	< 2	< 0.2		7.48	0.89						860	< 0.1			
North Chamber	2013-05-31			140	8.2		150					15000				7.3		140	0.5								8.2		1600	< 20						
North Chamber	2013-06-13	3300	480	96	4.8	< 0.0005	150			0.07	0.022	8600	0.015	240	750	7.8	0.0036	120	0.67	0.0035	0.098	< 1	< 0.1		7.72	0.26	3.5	250	1000	< 1		460	0.029			
North Chamber	2013-06-25	5300	697			< 0.001				0.27	0.04		< 0.02	390	900		0.007			0.069	0.17	< 1	< 0.1		7.39	0.063						720	< 0.1			
North Chamber	2013-07-18	5300	891			< 0.001				0.15	0.049		< 0.02	450	920		< 0.005			0.016	0.2	< 2	< 0.2		7.44	0.087						800	< 0.1			
North Chamber	2013-09-05	5200	1100			< 0.0005				0.22	0.064		0.016	640	910		0.0051			0.019	0.26	< 2	< 0.2		7.97	0.08						1100	0.079			
North Chamber	2013-10-24	5300	910			< 0.0005				0.17	0.058		0.016	560	870		0.004			0.0084	0.24	< 2	< 0.2		7.79	1.3						1100	0.058			
North Chamber	2013-12-19	4000	630			< 0.001				0.081	0.033		< 0.01	340	750		< 0.005			0.006	0.13	< 1	< 0.1		7.31	1.4						660	< 0.05			
North Chamber	2014-05-05	1900	212	10	2.1	< 0.0001	220	340	470	0.019	0.0092	4830	0.0048	110	870	17	0.0017	100	1.1	0.011	0.043	< 0.5	< 0.05	0.000016	7.05	0.11	0.83	140	460	1	2120	220	0.021			
North Chamber	2015-03-31	3300	510			< 0.0001				0.069	0.027		0.0077	230	820		0.0016			0.0086	0.11	< 1	< 0.1		7.29	< 0.1						530	0.025			
North Chamber	2015-04-20																			0.0091																
North Chamber	2015-04-21	2200	276	53	2.5	< 0.0001	180	450	580	0.029	0.013	6060	0.0055	150	880	12	0.0015	110	0.96		0.061	< 1	< 0.1	0.000015	7.12	0.51	1.5	160	580	< 20	2600	310	0.015			
North Chamber																																				

Location	Date	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Boron mg/L	Cadmium mg/L	Calcium mg/L	Chemical Oxygen Demand mg/L	Chloride mg/L	Chromium (Total) mg/L	Cobalt mg/L	Conductivity µS/cm	Copper mg/L	Dissolved Organic Carbon mg/L	Hardness mg/L	Iron mg/L	Lead mg/L	Magnesium mg/L	Manganese mg/L	Naphthalene mg/L	Nickel mg/L	Nitrate mg/L	Nitrite mg/L	N-nitrosodimethylamine mg/L	pH (Lab) unitless	Phenols mg/L	Phosphorus (total) mg/L	Potassium mg/L	Sodium mg/L	Sulphate mg/L	Total Dissolved Solids mg/L	Total Kjeldahl Nitrogen mg/L	Zinc mg/L
Inorganic and General Parameters																																	
South Chamber	2018-05-24	3000	382	23	3	< 0.0001	140	390	1100	0.025	0.013	7600	0.002	130	790	3.3	< 0.0005	110	0.37	0.0045	0.088	< 0.5	< 0.05	< 0.000016	7.44	< 0.04	1.7	200	830	< 1	3140	370	< 0.01
South Chamber	2019-05-03	2500	296	26	2.9	< 0.001	160	320	910	< 0.05	0.012	7200	< 0.02	120	800	3.9	< 0.005	98	0.4	0.0027	0.084	< 0.5	0.134	0.00000556	7.36	< 0.02	1.3	170	790	< 10	3120	280	< 0.1

Richmond Landfill - Historical Results (Leachate)

Location	Date	1,1,1,2-Tetrachloroethane mg/L	1,1,1-Trichloroethane mg/L	1,1,2,2-Tetrachloroethane mg/L	1,1,2-Trichloroethane mg/L	1,1-Dichloroethane mg/L	1,1-Dichloroethylene mg/L	1,2-Dichlorobenzene (o) mg/L	1,2-Dichloroethane mg/L	1,3,5-Trimethylbenzene mg/L	1,3-Dichlorobenzene (m) mg/L	1,4-Dichlorobenzene (p) mg/L	1,4-Dioxane mg/L	Benzene mg/L	Chlorobenzene mg/L	Chloroethane mg/L	Chloromethane mg/L	Cis-1,2-Dichloroethylene mg/L	Dichloromethane mg/L	Ethylbenzene mg/L	m+p-Xylene mg/L	o-Xylene mg/L	Styrene mg/L	Tetrachloroethylene mg/L	Toluene mg/L	Trans-1,2-dichloroethylene mg/L	Trichloroethylene mg/L	Vinyl Chloride mg/L				
Volatile Organic Compounds (VOCs)																																
LW-P1	2014-05-05	< 0.1	< 0.05	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.05	< 0.05	< 0.1	< 0.25	< 0.05	< 0.25	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.1	
LW-P1	2015-04-20												0.42																			
LW-P1	2015-04-21	< 0.002	< 0.001	< 0.002	< 0.002	< 0.001	< 0.001	< 0.002	< 0.002	0.0075	< 0.002	0.0071		0.0045	0.025	< 0.002	< 0.005	0.013	< 0.005	0.031	0.06	0.033	< 0.0025	< 0.001	0.024	< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.002	
LW-P1	2015-11-24	< 0.04	< 0.02	< 0.04	< 0.04	< 0.02	< 0.02	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	0.42	< 0.02	0.022	< 0.04	< 0.1	< 0.02	< 0.1	0.028	0.051	0.026	< 0.04	< 0.02	< 0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.04	< 0.04	
LW-P1	2016-05-02	< 0.02	< 0.01	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.37	< 0.01	0.025	< 0.02	< 0.05	0.013	< 0.05	0.027	0.055	0.029	< 0.02	< 0.01	0.022	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.02	
LW-P1	2017-05-01	< 0.04	< 0.02	< 0.04	< 0.04	< 0.02	< 0.02	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	0.36	< 0.02	0.023	< 0.04	< 0.1	< 0.02	< 0.1	0.033	0.06	0.031	< 0.04	< 0.02	< 0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.04	< 0.04	
LW-P1	2018-05-24	< 0.005	< 0.002	< 0.005	< 0.005	< 0.002	< 0.002	< 0.005	< 0.005	< 0.05	< 0.005	0.0069	0.4	0.0065	0.017	< 0.01	< 0.05	0.01	< 0.02	0.033	0.059	0.031	< 0.005	< 0.002	0.034	< 0.005	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	
LW-P1	2019-05-03	< 0.1	< 0.05	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.42	< 0.05	< 0.05	< 0.1	< 0.25	< 0.05	< 0.25	< 0.05	0.078	< 0.05	< 0.1	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	
LW-P2	2014-05-05	< 0.01	< 0.005	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	0.012	< 0.01	0.011		< 0.005	< 0.005	< 0.01	< 0.025	0.0058	< 0.025	0.052	0.1	0.046	< 0.01	< 0.005	0.25	< 0.005	< 0.005	< 0.005	< 0.005	< 0.01	< 0.01	
LW-P2	2015-04-20												1.47																			
LW-P2	2015-04-21	< 0.002	< 0.001	< 0.002	< 0.002	< 0.001	< 0.001	< 0.002	< 0.002	0.011	< 0.002	0.0083		0.0027	0.0019	< 0.002	< 0.005	0.0032	< 0.005	0.035	0.073	0.034	< 0.002	< 0.001	0.081	< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
LW-P2	2015-11-24	< 0.04	< 0.02	< 0.04	< 0.04	< 0.02	< 0.02	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	0.3	< 0.02	< 0.02	< 0.04	< 0.1	< 0.02	< 0.1	0.039	0.078	0.032	< 0.04	< 0.02	0.11	< 0.02	< 0.02	< 0.02	< 0.04	< 0.04	< 0.04	< 0.04
LW-P2	2016-05-02	< 0.02	< 0.01	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.02	0.029	< 0.02	< 0.02	0.35	< 0.01	< 0.01	< 0.02	< 0.05	< 0.01	< 0.05	0.088	0.17	0.072	< 0.02	< 0.01	0.29	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
LW-P2	2017-05-01	< 0.04	< 0.02	< 0.04	< 0.04	< 0.02	< 0.02	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	0.33	< 0.02	< 0.02	< 0.04	< 0.1	< 0.02	< 0.1	0.08	0.16	0.069	< 0.04	< 0.02	0.22	< 0.02	< 0.02	< 0.02	< 0.02	< 0.04	< 0.04	
LW-P2	2018-05-24	< 0.005	< 0.002	< 0.005	< 0.005	< 0.002	< 0.002	< 0.005	< 0.005	< 0.05	< 0.005	0.008	0.24	0.0029	0.0025	< 0.01	< 0.05	< 0.005	< 0.02	0.035	0.068	0.029	< 0.005	< 0.002	0.1	< 0.005	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	
LW-P2	2019-05-03	< 0.01	< 0.005	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	0.012	< 0.01	0.014	0.27	< 0.005	< 0.005	< 0.01	< 0.025	< 0.005	< 0.025	0.052	0.11	0.043	< 0.01	< 0.005	0.15	< 0.005	< 0.005	< 0.005	< 0.005	< 0.01	< 0.01	
North Chamber	2003-04-01	< 0.03	< 0.02	< 0.03	< 0.02	< 0.02	< 0.02	< 0.02	< 0.04	< 0.02	< 0.02	< 0.02		< 0.02		< 0.05	< 0.05	< 0.02	< 0.2	0.069	0.117	0.042	< 0.02	< 0.02	0.655	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
North Chamber	2003-05-08	< 0.006	< 0.004	< 0.006	< 0.004	< 0.004	< 0.005	< 0.0002	< 0.007	< 0.003	0.0016	< 0.0004		< 0.005		< 0.01	< 0.01	< 0.004	< 0.04	0.012	0.026	0.01	< 0.005	0.004	0.202	< 0.004	< 0.003	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
North Chamber	2003-07-04	< 0.006	< 0.021	< 0.034	< 0.019	< 0.035	< 0.016	< 0.019	< 0.029	< 0.016	< 0.024	< 0.024		< 0.013		< 0.01	< 0.01	< 0.012	< 0.048	0.034	0.07	< 0.027	< 0.042	< 0.022	0.367	< 0.011	< 0.019	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
North Chamber	2003-08-05	< 0.006	< 0.021	< 0.034	< 0.019	< 0.035	< 0.016	< 0.019	< 0.029	< 0.016	< 0.024	< 0.024		< 0.013		< 0.01	< 0.01	< 0.012	< 0.048	0.0456	0.0974	0.037	< 0.042	< 0.022	0.681	< 0.011	< 0.019	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
North Chamber	2003-09-02	< 0.006	< 0.021	< 0.034	< 0.019	< 0.035	< 0.016	< 0.019	< 0.029	< 0.016	< 0.024	< 0.024		< 0.013		< 0.01	< 0.01	< 0.012	< 0.048	0.071	0.126	0.043	< 0.042	< 0.022	0.471	< 0.011	< 0.019	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
North Chamber	2003-10-03	< 0.0006	< 0.0021	< 0.0034	< 0.0019	0.0036	< 0.0016	< 0.0019	< 0.0029	0.0087	< 0.0024	0.012		0.0138		0.0057	< 0.001	0.0022	0.0292	0.0725	0.142	0.0457	< 0.0042	< 0.0022	0.464	< 0.0011	< 0.0019	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049
North Chamber	2003-11-03	< 0.0006	< 0.0021	< 0.0034	< 0.0019	< 0.0035	< 0.0016	< 0.0019	< 0.0029	< 0.0016	< 0.0024	< 0.0024		< 0.0013		< 0.001	< 0.001	< 0.0012	< 0.0048	< 0.0016	< 0.0034	< 0.0027	< 0.0042	< 0.0022	< 0.0015	< 0.0011	< 0.0019	< 0.0049	< 0.0049	< 0.0049	< 0.0049	
North Chamber	2003-12-05	< 0.006	< 0.021	< 0.034	< 0.019	< 0.035	< 0.016	< 0.019	< 0.029	< 0.016	< 0.024	< 0.024		< 0.013		< 0.01	< 0.01	< 0.012	< 0.048	0.083	0.119	0.045	< 0.042	< 0.022	0.25	< 0.011	< 0.019	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
North Chamber	2004-01-07	< 0.0006	< 0.0021	< 0.0034	< 0.0019	< 0.0035	< 0.0016	< 0.0019	< 0.0029	< 0.0016	< 0.0024	< 0.0024		< 0.0013		< 0.001	< 0.001	< 0.0012	< 0.0048	0.0022	0.0054	0.003	< 0.0042	< 0.0022	0.0133	< 0.0011	< 0.0019	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049
North Chamber	2004-02-11	< 0.0006	< 0.0021	< 0.0034	< 0.0019	< 0.0035	< 0.0016	< 0.0019	< 0.0029	0.0099	< 0.0024	< 0.0024		0.0114		< 0.001	< 0.001	0.0017	< 0.0048	0.0939	0.115	0.0526	< 0.0042	< 0.0022	0.386	< 0.0011	< 0.0019	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049
North Chamber	2004-03-04	< 0.0006	< 0.0021	< 0.0034	< 0.0019	< 0.0035	< 0.0016	< 0.0019	< 0.0029	< 0.0016	< 0.0024	< 0.0024		< 0.0013		< 0.001	< 0.001	< 0.0012	< 0.0048	0.0022	0.0038	< 0.0027	< 0.0042	< 0.0022	0.0041	< 0.0011	< 0.0019	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049
North Chamber	2004-04-20	< 0.0006	< 0.0021	< 0.0034	< 0.0019	< 0.0035	< 0.0016	< 0.0019	< 0.0029	0.0084	< 0.0024	0.0114		0.0125		0.005	< 0.001	< 0.0012	< 0.0048	0.0711	0.0967	0.0437	0.0047	< 0.0022	0.345	< 0.0011	< 0.0019	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049
North Chamber	2004-05-06													0.0135						0.0699	0.138	0.0484			0.378							
North Chamber	2004-06-02	0.0007	< 0.0021	< 0.0034	< 0.0019	< 0.0035	< 0.0016	< 0.0019	< 0.0029																							

Richmond Landfill - Historical Results (Leachate)

Location	Date	1,1,1,2-Tetrachloroethane mg/L	1,1,1-Trichloroethane mg/L	1,1,2,2-Tetrachloroethane mg/L	1,1,2-Trichloroethane mg/L	1,1-Dichloroethane mg/L	1,1-Dichloroethylene mg/L	1,2-Dichlorobenzene (o) mg/L	1,2-Dichloroethane mg/L	1,3,5-Trimethylbenzene mg/L	1,3-Dichlorobenzene (m) mg/L	1,4-Dichlorobenzene (p) mg/L	1,4-Dioxane mg/L	Benzene mg/L	Chlorobenzene mg/L	Chloroethane mg/L	Chloromethane mg/L	Cis-1,2-Dichloroethylene mg/L	Dichloromethane mg/L	Ethylbenzene mg/L	m-p-Xylene mg/L	o-Xylene mg/L	Styrene mg/L	Tetrachloroethylene mg/L	Toluene mg/L	Trans-1,2-dichloroethylene mg/L	Trichloroethylene mg/L	Vinyl Chloride mg/L	
Volatile Organic Compounds (VOCs)																													
North Chamber	2010-02-09	< 0.001	< 0.001	< 0.002	< 0.002	0.002	< 0.001	< 0.002	< 0.002	0.008	< 0.002	0.012		0.007	0.004	0.003	< 0.005	< 0.001	< 0.005	0.064	0.15	0.041	< 0.002	< 0.001	0.053	< 0.001	< 0.001	< 0.002	
North Chamber	2010-03-03	< 0.003	< 0.003	< 0.005	< 0.005	< 0.003	< 0.003	< 0.005	< 0.005	0.013	< 0.005	0.016		0.008	0.003	< 0.005	< 0.01	0.004	< 0.01	0.018	0.13	0.049	< 0.005	< 0.003	0.15	< 0.003	< 0.003	< 0.005	
North Chamber	2010-04-13	< 0.003	< 0.003	< 0.005	< 0.005	< 0.003	< 0.003	< 0.005	< 0.005	0.01	< 0.005	0.012		0.005	< 0.003	< 0.005	< 0.01	< 0.003	< 0.01	0.017	0.095	0.026	< 0.005	< 0.003	0.018	< 0.003	< 0.003	< 0.005	
North Chamber	2010-05-04	< 0.001	< 0.001	< 0.002	< 0.002	0.002	< 0.001	< 0.002	< 0.002	0.009	< 0.002	0.009		< 0.001	< 0.001	0.003	< 0.005	< 0.001	< 0.005	< 0.001	0.055	0.011	< 0.002	< 0.001	< 0.002	< 0.001	< 0.001	< 0.002	
North Chamber	2010-05-21																												
North Chamber	2010-06-02	< 0.003	< 0.003	< 0.005	< 0.005	< 0.003	< 0.003	< 0.005	< 0.005	0.012	< 0.005	0.013		0.005	0.003	< 0.005	< 0.01	< 0.003	< 0.01	0.062	0.14	0.022	< 0.005	< 0.003	0.01	< 0.003	< 0.003	< 0.005	
North Chamber	2010-07-14	< 0.005	< 0.005	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.005	< 0.005	< 0.01	< 0.03	< 0.005	< 0.03	0.049	0.12	0.014	< 0.01	< 0.005	< 0.01	< 0.005	< 0.005	< 0.01	
North Chamber	2010-08-11	< 0.003	< 0.003	< 0.005	< 0.005	< 0.003	< 0.003	< 0.005	< 0.005	0.01	< 0.005	0.011		0.005	0.003	< 0.005	< 0.01	< 0.003	< 0.01	0.033	0.12	0.026	< 0.005	< 0.003	0.005	< 0.003	< 0.003	< 0.005	
North Chamber	2010-09-29	< 0.003	< 0.003	< 0.005	< 0.005	< 0.003	< 0.003	< 0.005	< 0.005	0.009	< 0.005	0.009		0.004	< 0.003	< 0.005	< 0.01	< 0.003	< 0.01	< 0.003	< 0.01	< 0.003	< 0.003	< 0.003	0.005	< 0.003	< 0.003	< 0.005	
North Chamber	2010-10-25									0.01		0.011		0.008	0.005					0.046	0.13	0.036	< 0.005	< 0.003	0.005	< 0.003	< 0.003	< 0.005	
North Chamber	2010-10-26	< 0.005	< 0.005	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01		< 0.01	< 0.01				< 0.01	< 0.03	< 0.005	< 0.03	0.042	0.11	0.025	< 0.01	< 0.005		< 0.005	< 0.005	< 0.01	
North Chamber	2010-11-15	< 0.003	< 0.003	< 0.005	< 0.005	< 0.003	< 0.003	< 0.005	< 0.005	0.01	< 0.005	0.009		0.004	0.003	< 0.005	< 0.01	< 0.003	< 0.01	0.048	0.13	0.029	< 0.005	< 0.003	0.007	< 0.003	< 0.003	< 0.005	
North Chamber	2010-12-06	< 0.002	< 0.002	< 0.004	< 0.004	0.002	< 0.002	< 0.004	< 0.004	0.01	< 0.004	0.013		< 0.002	< 0.002	< 0.004	< 0.01	< 0.002	< 0.01	0.028	0.14	0.022	< 0.004	< 0.002	< 0.004	< 0.002	< 0.002	< 0.004	
North Chamber	2010-12-16	< 0.003	< 0.003	< 0.005	< 0.005	< 0.003	< 0.003	< 0.005	< 0.005	0.008	< 0.005	0.009		< 0.003	< 0.003	< 0.005	< 0.01	< 0.003	< 0.01	0.039	0.11	0.02	< 0.005	< 0.003	< 0.005	< 0.003	< 0.003	< 0.005	
North Chamber	2011-01-18	< 0.001	< 0.001	< 0.002	< 0.002	0.001	< 0.001	< 0.002	< 0.002	0.006	< 0.002	0.007		< 0.001	< 0.001	< 0.002	< 0.005	< 0.001	< 0.005	0.018	0.079	0.011	< 0.002	< 0.001	< 0.002	< 0.001	< 0.001	< 0.002	
North Chamber	2011-02-23	< 0.001	< 0.001	< 0.002	< 0.002	0.002	< 0.001	< 0.002	< 0.002	0.006	< 0.002	0.007		0.005	0.003	0.003	< 0.005	< 0.001	< 0.005	0.005	0.073	0.018	< 0.002	< 0.001	0.007	< 0.001	< 0.001	< 0.002	
North Chamber	2011-03-25	< 0.003	< 0.003	< 0.005	< 0.005	< 0.003	< 0.003	< 0.005	< 0.005	0.008	< 0.005	0.008		0.005	0.004	< 0.005	< 0.01	< 0.003	< 0.01	0.042	0.093	0.025	< 0.005	< 0.003	0.011	< 0.003	< 0.003	< 0.005	
North Chamber	2011-04-20	< 0.005	< 0.005	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		0.007	< 0.005	< 0.01	< 0.03	< 0.005	< 0.03	0.009	0.078	0.025	< 0.01	< 0.005	0.034	< 0.005	< 0.005	< 0.01	
North Chamber	2011-05-03	< 0.002	< 0.002	< 0.004	< 0.004	0.002	< 0.002	< 0.004	< 0.004	0.008	< 0.004	0.009		0.009	0.005	< 0.004	< 0.01	< 0.002	< 0.01	0.041	0.1	0.031	< 0.004	< 0.002	0.027	< 0.002	< 0.002	< 0.004	
North Chamber	2011-05-04	< 0.001	< 0.001	< 0.002	< 0.002	0.002	< 0.001	< 0.002	< 0.002	0.009	< 0.002	0.009		0.006	0.004	0.003	< 0.005	< 0.001	< 0.005	0.04	0.1	0.032	< 0.002	< 0.001	0.021	< 0.001	< 0.001	< 0.002	
North Chamber	2011-06-13	< 0.002	< 0.002	< 0.004	< 0.004	< 0.002	< 0.002	< 0.004	< 0.004	0.008	< 0.004	0.009		0.002	0.003	< 0.004	< 0.01	< 0.002	< 0.01	0.037	0.1	0.022	< 0.004	< 0.002	< 0.004	< 0.002	< 0.002	< 0.004	
North Chamber	2011-07-25	< 0.002	< 0.002	< 0.004	< 0.004	< 0.002	< 0.002	< 0.004	< 0.004	< 0.004	< 0.004	0.008		0.003	0.002	< 0.004	< 0.01	< 0.002	< 0.01	0.004	0.018	0.01	< 0.004	< 0.002	< 0.004	< 0.002	< 0.002	< 0.004	
North Chamber	2011-08-16	< 0.001	< 0.001	< 0.002	< 0.002	0.002	< 0.001	< 0.002	< 0.002	0.008	< 0.002	0.011		0.007	0.004	0.003	< 0.005	< 0.001	< 0.005	0.021	0.1	0.024	< 0.002	< 0.001	0.004	< 0.001	< 0.001	< 0.002	
North Chamber	2011-09-14	< 0.003	< 0.003	< 0.005	< 0.005	< 0.003	< 0.003	< 0.005	< 0.005	< 0.005	< 0.005	0.007		0.004	< 0.003	< 0.005	< 0.01	< 0.003	< 0.01	0.022	0.05	0.013	< 0.005	< 0.003	0.007	< 0.003	< 0.003	< 0.005	
North Chamber	2011-10-25									< 0.005																			
North Chamber	2011-10-28	< 0.003	< 0.003	< 0.005	< 0.005	< 0.003	< 0.003	< 0.005	< 0.005	0.005	< 0.005	0.008		< 0.003	< 0.003	< 0.005	< 0.01	< 0.003	< 0.01	0.004	0.062	0.013	< 0.005	< 0.003	< 0.005	< 0.003	< 0.003	< 0.005	
North Chamber	2011-11-15	< 0.005	< 0.005	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.005	< 0.005	< 0.01	< 0.03	< 0.005	< 0.03	0.019	0.058	0.017	< 0.01	< 0.005	0.012	< 0.005	< 0.005	< 0.01	
North Chamber	2011-12-23	< 0.005	< 0.005	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		0.0051	< 0.005	< 0.01	< 0.025	< 0.005	< 0.025	0.029	0.068	0.018	< 0.01	< 0.005	0.022	< 0.005	< 0.005	< 0.01	
North Chamber	2012-01-25	< 0.001	< 0.001	< 0.002	< 0.002	0.0015	< 0.001	< 0.002	< 0.002	0.0066	< 0.002	0.012		0.0086	0.0061	0.0027	< 0.005	< 0.001	< 0.005	0.036	0.092	0.027	< 0.002	< 0.001	0.024	< 0.001	< 0.001	< 0.002	
North Chamber	2012-02-21	< 0.0025	< 0.0025	< 0.005	< 0.005	< 0.0025	< 0.0025	< 0.005	< 0.005	0.011	< 0.005	0.011		0.0062	0.0057	< 0.005	< 0.013	< 0.0025	< 0.013	0.044	0.14	0.027	< 0.005	< 0.0025	0.0092	< 0.0025	< 0.0025	< 0.005	
North Chamber	2012-03-18	< 0.004	< 0.002	< 0.004	< 0.004	0.0021	< 0.002	< 0.004	< 0.004		< 0.004	0.01		0.0031	0.0033			< 0.002	< 0.01	0.029	0.11	0.03	< 0.004	< 0.002	0.015	< 0.002	< 0.002	< 0.004	
North Chamber	2012-03-19	< 0.002	< 0.001	< 0.002	< 0.002	0.002	< 0.001	< 0.002	< 0.002	0.01	< 0.002	0.0099		0.0079	0.0048	0.0027	< 0.005	< 0.001	< 0.005	0.051	0.12	0.03	< 0.003	< 0.001	0.041	< 0.001	< 0.001	< 0.002	
North Chamber	2012-04-22	< 0.005	< 0.0025	< 0.005	< 0.005	< 0.0025	< 0.0025	< 0.005	< 0.005	< 0.005	< 0.005	0.0052		0.0039	< 0.0025	< 0.005	< 0.013	< 0.0025	< 0.013	0.0031	0.043	0.015	< 0.005	< 0.0025	0.013	< 0.0025	< 0.0025	< 0.005	

Richmond Landfill - Historical Results (Leachate)

Location	Date	1,1,1,2-Tetrachloroethane mg/L	1,1,1-Trichloroethane mg/L	1,1,2,2-Tetrachloroethane mg/L	1,1,2-Trichloroethane mg/L	1,1-Dichloroethane mg/L	1,1-Dichloroethylene mg/L	1,2-Dichlorobenzene (o) mg/L	1,2-Dichloroethane mg/L	1,3,5-Trimethylbenzene mg/L	1,3-Dichlorobenzene (m) mg/L	1,4-Dichlorobenzene (p) mg/L	1,4-Dioxane mg/L	Benzene mg/L	Chlorobenzene mg/L	Chloroethane mg/L	Chloromethane mg/L	Cis-1,2-Dichloroethylene mg/L	Dichloromethane mg/L	Ethylbenzene mg/L	m-p-Xylene mg/L	o-Xylene mg/L	Styrene mg/L	Tetrachloroethylene mg/L	Toluene mg/L	Trans-1,2-dichloroethylene mg/L	Trichloroethylene mg/L	Vinyl Chloride mg/L
Volatile Organic Compounds (VOCs)																												
South Chamber	2000-01-04		ND			ND	ND					0.0057		0.0119						0.0726	0.0904	0.046			2.2		ND	
South Chamber	2000-11-22		ND		ND	ND	ND	ND	ND	ND	ND	ND		0.0019	ND	ND	ND	ND	ND	0.0175	0.0249	0.0088	ND	ND	0.0516	ND	ND	ND
South Chamber	2001-12-07	ND	ND		ND	0.0062	ND	ND	ND	0.0072	0.0083	ND		0.0129	0.0031	ND	ND	ND	ND	0.0774	0.0844	0.035	ND	ND	0.225	ND	ND	ND
South Chamber	2002-05-29	ND	ND		ND	ND	ND	ND	ND	0.002	ND	ND		0.0029	ND	ND	ND	ND	ND	0.058	0.078	0.0148	ND	ND	0.199	ND	ND	ND
South Chamber	2002-11-21	ND	ND		ND	ND	ND	ND	ND	0.0052	ND	0.0071		0.0093	ND	ND	ND	ND	ND	0.078	0.087	0.036	ND	ND	0.12	ND	ND	ND
South Chamber	2003-05-29	< 0.005	< 0.003	< 0.005	< 0.003	< 0.003	< 0.004	< 0.003	< 0.006	0.005	< 0.003	0.006		0.006		< 0.008	< 0.008	< 0.003	< 0.032	0.058	0.0783	0.028	< 0.004	< 0.002	0.199	< 0.003	< 0.002	< 0.004
South Chamber	2004-05-06	< 0.0006	< 0.0021	< 0.0034	< 0.0019	< 0.0035	< 0.0016	< 0.0019	< 0.0029	0.0047	< 0.0024	0.0066		< 0.0013		0.0026	< 0.001	< 0.0012	< 0.0048	< 0.0016	< 0.0034	0.004	< 0.0042	< 0.0022	< 0.0015	< 0.0011	< 0.0019	< 0.0049
South Chamber	2004-11-16	< 0.006	< 0.021	< 0.034	< 0.019	< 0.035	< 0.016	< 0.019	< 0.029	0.021	< 0.024	< 0.024		< 0.013		< 0.01	< 0.01	< 0.012	< 0.048	< 0.016	0.083	0.037	< 0.042	< 0.022	0.271	< 0.011	< 0.019	< 0.049
South Chamber	2005-05-05	< 0.0006	< 0.0021	< 0.0034	< 0.0019	< 0.0035	< 0.0016	< 0.0019	< 0.0029	0.005	< 0.0024	0.0102		0.0143		< 0.001	< 0.001	< 0.0012	< 0.0048	0.106	0.128	0.0488	0.0059	< 0.0022	0.181	< 0.0011	< 0.0019	< 0.0049
South Chamber	2005-11-02	< 0.0006	< 0.0021	< 0.0034	< 0.0019	< 0.0035	< 0.0016	< 0.0019	< 0.0029	0.0052	< 0.0024	0.0112		0.0138		0.0015	< 0.001	< 0.0012	< 0.0048	0.122	0.104	0.0465	< 0.0042	< 0.0022	0.0432	< 0.0011	< 0.0019	< 0.0049
South Chamber	2006-05-29		< 0.0004			0.0022	< 0.0005					0.0089		0.0012						< 0.0005	0.0188	0.0312		< 0.0003	0.002			
South Chamber	2006-09-13	< 0.0005	< 0.0004	< 0.0005	< 0.0004	0.0019	< 0.0005	< 0.0004	< 0.0005	0.0077	< 0.0004	0.0103		0.0102		0.0018	< 0.001	0.0005	< 0.004	0.0206	0.084	0.0439	0.0026	< 0.0003	0.192	< 0.0004	< 0.0003	0.0014
South Chamber	2007-04-17		< 0.004			< 0.004	< 0.005					0.015		0.01						0.116	0.121	0.054		< 0.003	0.054			
South Chamber	2007-10-15	< 0.0005	< 0.0004	0.0007	< 0.0004	0.001	< 0.0005	< 0.0004	< 0.0005	0.0018	< 0.0004	0.0118		0.0147		< 0.001	0.0031	< 0.0004	< 0.004	0.0278	0.103	0.0543	0.0025	< 0.0003	0.0245	< 0.0004	< 0.0003	0.0005
South Chamber	2008-05-15		< 0.003			< 0.003	< 0.003					0.009		0.01						0.099	0.11	0.045		< 0.003	0.048			
South Chamber	2008-11-17		< 0.001			0.002	< 0.001					0.011		0.011						0.059	0.097	0.053		< 0.001	0.038			
South Chamber	2009-06-02		< 0.001			0.002	< 0.001					0.007		0.004						< 0.001	0.024	0.028		< 0.001	0.006			
South Chamber	2009-11-24		< 0.001			< 0.001	< 0.001					0.009		0.008						0.067	0.087	0.039		< 0.001	0.033			
South Chamber	2010-04-13	< 0.001	< 0.001	< 0.002	< 0.002	0.001	< 0.001	< 0.002	< 0.002	0.009	< 0.002	0.013		0.008	0.003	< 0.002	< 0.005	0.001	< 0.005	0.015	0.084	0.039	< 0.002	< 0.001	0.051	< 0.001	< 0.001	< 0.002
South Chamber	2010-05-04	< 0.001	< 0.001	< 0.002	< 0.002	0.001	< 0.001	< 0.002	< 0.002	0.005	< 0.002	0.011		0.006	< 0.001	< 0.002	< 0.005	< 0.001	< 0.005	< 0.001	0.045	0.038	< 0.002	< 0.001	0.014	< 0.001	< 0.001	< 0.002
South Chamber	2010-05-21																											
South Chamber	2010-06-02	< 0.003	< 0.003	< 0.005	< 0.005	< 0.003	< 0.003	< 0.005	< 0.005	0.007	< 0.005	0.011		0.009	0.003	< 0.005	< 0.01	< 0.003	< 0.01	0.047	0.071	0.033	< 0.005	< 0.003	0.037	< 0.003	< 0.003	< 0.005
South Chamber	2010-10-25									0.009		0.015		0.008	0.003					0.061	0.092	0.037			0.048			
South Chamber	2010-12-16	< 0.003	< 0.003	< 0.005	< 0.005	< 0.003	< 0.003	< 0.005	< 0.005	0.008	< 0.005	0.012		0.007	< 0.003	< 0.005	< 0.01	< 0.003	< 0.01	0.044	0.081	0.032	< 0.005	< 0.003	0.05	< 0.003	< 0.003	< 0.005
South Chamber	2011-05-03	< 0.002	< 0.002	< 0.004	< 0.004	< 0.002	< 0.002	< 0.004	< 0.004	0.007	< 0.004	0.01		0.007	0.002	< 0.004	< 0.01	< 0.002	< 0.01	0.042	0.094	0.035	< 0.004	< 0.002	0.026	< 0.002	< 0.002	< 0.004
South Chamber	2011-10-25									< 0.005																		
South Chamber	2012-04-23	< 0.01	< 0.005	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		0.0061	< 0.005	< 0.01	< 0.025	< 0.005	< 0.025	0.028	0.047	0.022	< 0.01	< 0.005	0.03	< 0.005	< 0.005	< 0.01
South Chamber	2012-10-22	< 0.01	< 0.005	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 0.005	< 0.005			< 0.005	< 0.025	< 0.005	0.022	0.012	< 0.01	< 0.005	0.011	< 0.005	< 0.005	< 0.01
South Chamber	2013-04-26	< 0.01	< 0.005	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		0.0079	< 0.005	< 0.01	< 0.025	< 0.005	< 0.025	0.02	0.042	0.018	< 0.01	< 0.005	< 0.01	< 0.005	< 0.005	< 0.01
South Chamber	2013-05-02		< 0.01					< 0.01				< 0.01		0.006				< 0.005	0.3	< 0.005	0.023	0.013		< 0.005	< 0.01		< 0.005	
South Chamber	2014-05-05	< 0.001	< 0.0005	< 0.001	< 0.001	0.00095	< 0.0005	< 0.001	< 0.001	0.0031	< 0.001	0.006		0.0023	0.00063	0.0013	< 0.0025	< 0.0005	0.02	< 0.0005	0.015	0.014	< 0.001	< 0.0005	0.0029	< 0.0005	< 0.0005	< 0.001
South Chamber	2015-04-20												0.376															
South Chamber	2015-04-21	< 0.001	< 0.0005	< 0.001	< 0.001	< 0.0005	< 0.0005	< 0.001	< 0.001	0.0022	< 0.001	0.0054		0.0026	0.0013	< 0.001	< 0.0025	0.00064	< 0.0025	0.0033	0.018	0.0093	< 0.001	< 0.0005	0.011	< 0.0005	< 0.0005	< 0.001
South Chamber	2015-11-24	< 0.01	< 0.005	< 0.01	< 0.01	< 0.005	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.078	< 0.005	< 0.005	< 0.01	< 0.025	< 0.005	< 0.025	< 0.005	0.0083	0.0056	< 0.01	< 0.005	< 0.01	< 0.005	< 0.005	< 0.01
South Chamber	2016-05-02	< 0.004	< 0.002	< 0.004	< 0.004	< 0.002	< 0.002	< 0.004	< 0.004	< 0.004	< 0.004	0.0052	0.058	0.0041	< 0.002	< 0.004	< 0.01	< 0.002	< 0.01	0.0036	0.016	0.0091	< 0.004	< 0.002	0.01	< 0.002	< 0.002	< 0.004
South Chamber	2017-05-01	< 0.004	< 0.002	< 0.004	< 0.004	< 0.002	< 0.002	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.028	0.0022	< 0.002	< 0.004	< 0.01	< 0.002	< 0.01	< 0.002	0.0047	0.0061	< 0.004	< 0.002	< 0.004	< 0.002	< 0.002	< 0.004
South Chamber	2018-05-24	< 0.01	< 0.004	< 0.01	< 0.01	< 0.004	< 0.004	< 0.01	< 0.01	< 0.005	< 0.01	< 0.01	0.031	0.0075	< 0.004	< 0.02	< 0.1	< 0.01	< 0.04	0.0044	0.012	0.0052	< 0.01	< 0.004	< 0.004	< 0.01	< 0.004	< 0.004
South Chamber	2019-05-03	< 0.005	< 0.0025	< 0.005	< 0.005	< 0.0025	< 0.0025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.025	0.0052	< 0.0025	<												