



Contaminant	Units	Dissolved Metals (Surface Water)																		Eco SLs ⁽¹⁾	Drinking Water SLs ⁽²⁾
		WS-BGG-001	WS-001	WS-002	WS-003	WS-004	WS-006	WS-007	WS-008	WS-019	WS-011S	WS-011D	WS-014S	WS-014D	WS-012S	WS-012D	WS-010S	WS-010D	WS-018S		
Aluminum	ug/L	111	893	<20	22	1360	53.4	1360	153	1280	20.8	<20	<20	<20	33.8	30.3	66.6	148	<20	5.0	16,000 *
Antimony	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	30	6.0
Arsenic	ug/L	1.34	1.12	0.58	0.67	2.48	1.52	2.17	0.78	3.5	0.61	0.63	0.65	0.63	0.61	0.64	0.75	0.94	0.77	5.0	10
Barium	ug/L	39.9	25.4	13.9	16.7	38.8	16.2	31.4	41.5	31.2	14.4	14.5	13	13.2	13.8	15.2	17.2	22.2	19.5	3.9	2,000
Beryllium	ug/L	<0.1	<0.1	0.1	<0.1	0.23	<0.1	0.14	<0.1	0.15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.53	4.0
Boron	ug/L	22.9	16.4	16	16.4	16.3	16.8	15	29.6	16.9	16.4	16.4	15.9	15.8	16.2	18.5	16.9	16.5	16.6	1.6	3,100
Cadmium	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.017	5.0
Calcium	mg/L	9.46	3.9	3.64	3.89	3.18	3.71	3.29	13.9	2.88	3.7	3.7	3.65	3.64	3.68	3.69	3.7	3.86	3.96	116	NA
Chromium	ug/L	<0.5	0.65	<0.5	<0.5	1.38	<0.5	1.24	<0.5	1.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.0	100
Cobalt	ug/L	1.5	<0.5	<0.5	<0.5	1.87	<0.5	1.87	0.85	4.03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.0	4.7 *
Copper	ug/L	0.93	<0.5	2.86	<0.5	1.07	<0.5	1.1	1.01	0.54	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.23	1300
Iron	ug/L	492	798	85.4	81.4	1820	155	1030	182	1350	85.2	81	104	110	113	106	180	312	76.7	158	11,000 *
Lead	ug/L	0.74	0.61	<0.3	<0.3	2.35	<0.3	0.97	<0.3	0.97	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1.0	15
Magnesium	mg/L	3.79	1.93	1.88	1.91	1.58	1.88	1.6	6.82	1.41	1.85	1.85	1.84	1.82	1.77	1.84	1.85	1.85	1.96	82	NA
Manganese	ug/L	446	410	39	170	468	154	640	416	846	70.7	68.1	38.8	45.9	11.8	26.7	234	581	238	80	320 *
Nickel	ug/L	2.52	0.75	<0.5	<0.5	2.52	<0.5	2.16	6.03	3.72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	25	300 *
Potassium	mg/L	3.2	2.12	1.94	1.95	2.78	1.93	2.7	3.5	2.62	2.01	1.99	1.96	1.97	1.99	2.02	2.02	2.05	2.01	53	NA
Selenium	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.0	50
Silicon Dioxide	mg/L	5.51	4.26	1.03	1.15	7.14	1.19	10.1	4.22	9.62	1.01	0.984	1.18	1.17	0.932	0.948	1.41	2.17	1.33	NA	NA
Silver	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.12	71 *
Sodium	mg/L	13.5	5.42	5.38	5.14	4.85	5.51	4.93	13.7	5.72	5.3	5.29	5.18	5.19	5.27	5.49	5.34	5.33	5.23	680	NA
Thallium	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	2.0
Vanadium	ug/L	0.73	1.16	<0.5	<0.5	2.47	<0.5	2.04	<0.5	2.47	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	19	78 *
Zinc	ug/L	12.5	19	3.34	4.43	9.74	6.07	5.32	37.4	9.47	4.91	4.14	3.6	2.42	2.33	5.39	2.58	3.54	6.09	30	4,700 *

(1) Savannah River National Laboratory - Ecological Screening Values for Surface Water (2005)

(2) Regional Screening Level Summary Table November 2012

*MCL unavailable, tapwater screening level used

NA: MCL & Drinking Water Screening Levels are unavailable

Exceeds Ecological Screening Level

Exceeds Regional MCL or Tapwater Screening Level

Exceeds Ecological & Regional Screening Level

Total Metals (Surface Water)																				Eco Sls ⁽¹⁾ Drinking Water Sls ⁽²⁾	
Contaminant	Units	WS-BGG-001	WS-001	WS-002	WS-003	WS-004	WS-006	WS-007	WS-008	WS-019	WS-011S	WS-011B	WS-014S	WS-014D	WS-012S	WS-012D	WS-010S	WS-010D	WS-018S	Eco Sls ⁽¹⁾	Drinking Water Sls ⁽²⁾
Aluminum	ug/L	1990	1620	71.8	436	21600	533	28600	1610	67800	222	229	66.3	65.3	411	369	1120	1220	345	5.0	16,000 *
Antimony	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	30	6.0
Arsenic	ug/L	2.07	1.86	<1	1.22	5.48	2.23	6.24	1.26	8.76	1.01	<1	<1	<1	1.14	1.11	1.44	1.65	1.13	5.0	10
Barium	ug/L	49.4	31.1	16.2	22.4	215	19.3	264	47.7	712	19.1	19.4	16.8	16.8	18.1	18.8	24.8	31.1	26.3	3.9	2,000
Beryllium	ug/L	<0.5	<0.5	<0.5	<0.5	1.87	<0.5	2.17	<0.5	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.53	4.0
Boron	ug/L	<25	<25	<25	<25	<25	<25	<25	28.7	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	1.6	3,100
Cadmium	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.017	5.0
Calcium	mg/L	9.41	3.98	3.61	3.88	5.9	3.6	6.14	13.1	9.43	3.44	3.45	3.4	3.4	3.48	3.65	3.64	3.8	3.91	116	NA
Chromium	ug/L	2.06	1.62	<1	<1	13.1	<1	16.5	1.95	37	<1	<1	<1	<1	<1	<1	1.06	1.12	<1	2.0	100
Cobalt	ug/L	2.63	1.06	<1	<1	10.9	<1	13.5	2	33.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	3.0	4.7 *
Copper	ug/L	3.7	1.93	<1	1.09	8.05	1.08	9.33	3.13	26.2	<1	<1	<1	<1	<1	<1	1.13	1.18	1.03	0.23	1,300
Iron	ug/L	2870	2530	599	851	24100	1190	31400	1850	71200	823	825	705	731	1080	1050	1850	2480	859	158	11,000 *
Lead	ug/L	4.53	2.14	<1	1.18	29.2	<1	37.2	1.64	131	<1	<1	<1	<1	<1	<1	<1	1.1	<1	1.0	15
Magnesium	mg/L	4.31	2.16	1.97	2.03	4.07	2.02	4.71	7.5	9.36	2.03	2.06	2	1.98	1.99	1.98	2.01	2.08	2.1	82	NA
Manganese	ug/L	419	574	389	553	828	468	1600	584	4770	531	536	463	457	421	431	647	990	700	80	320 *
Nickel	ug/L	4.53	2.52	<2.5	<2.5	15	<2.5	17.4	8.9	38.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	3.26	<2.5	<2.5	25	300 *
Potassium	mg/L	3.21	1.97	1.99	1.96	3.38	1.91	3.6	3.41	5.56	1.88	1.9	1.89	1.86	1.94	2.01	2.04	2.07	2.02	5.3	NA
Selenium	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	10	50
Silver	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.12	71 *
Sodium	mg/L	14.2	5.79	5.68	5.27	4.93	5.87	4.96	14.7	5.71	5.78	5.91	5.8	5.68	5.85	5.77	5.63	5.64	5.5	680	NA
Thallium	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0.8	2.0
Vanadium	ug/L	3.86	<2.5	<2.5	<2.5	17.2	<2.5	22	2.71	51.2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	19	78 *
Zinc	ug/L	18	16.1	<3	<3	58.7	<3	68.2	51.7	172	<3	<3	<3	<3	<3	<3	3.64	3.98	7.06	30	4,700 *

(1) Savannah River National Laboratory - Ecological Screening Values for Surface Water (2005)

(2) Regional Screening Level Summary Table November 2012

*MCL unavailable, tapwater screening level used

NA: MCL & Drinking Water Screening Levels are unavailable

Exceeds Ecological Screening Level

Exceeds Regional MCL or Tapwater Screening Level

Exceeds Ecological & Regional Screening Level

Oil & Grease (Surface Water)																					
Contaminant	Units	WS-BGG-001	WS-001	WS-002	WS-003	WS-004	WS-006	WS-007	WS-008	WS-019	WS-011S	WS-011D	WS-014S	WS-014D	WS-012S	WS-012D	WS-010S	WS-010D	WS-018S	Eco Sls ⁽¹⁾	Drinking Water Sls ⁽²⁾
Oil & Grease	mg/L	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0.00001	NA

Semi-Volatile Organic Compounds (SVOCs) (Surface Water)																					
Contaminant	Units	WS-BGG-001	WS-001	WS-002	WS-003	WS-004	WS-006	WS-007	WS-008	WS-019	WS-011S	WS-011D	WS-014S	WS-014D	WS-012S	WS-012D	WS-010S	WS-010D	WS-018S	Eco Sls ⁽¹⁾	Drinking Water Sls ⁽²⁾
Benzyl alcohol	ug/L	0.296	0.318	0.32	0.338	2.55	0.397	4.87	0.461	22.7	0.208	0.255	0.23	0.201	0.208	0.202	0.243	0.184	0.198	NA	1400 *
Acetophenone	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.192	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	1500 *
4-Methylphenol (p-Cresol)	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.167	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	1,400 *
Diethyl phthalate	ug/L	<0.2	<0.2	<0.2	<0.2	0.234	<0.2	0.457	<0.2	1.66	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	210	11,000 *
Di-n-butyl phthalate	ug/L	<0.2	<0.2	<0.2	<0.2	0.993	<0.2	1.97	<0.2	4.56	0.21	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	9.4	670 *

Volatile Organic Compounds (VOCs) (Surface Water)																						
Contaminant	Units	WS-BGG-001	WS-001	WS-002	WS-003	WS-004	WS-006	WS-007	WS-008	WS-019	WS-011S	WS-011D	WS-014S	WS-014D	WS-012S	WS-012D	WS-010S	WS-010D	WS-018S	Eco Sls ⁽¹⁾	Drinking Water Sls ⁽²⁾	
Benzene	ug/L	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	SNA	46	5.0
Toluene	ug/L	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	4.46	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	SNA	2.0	1,000
Ethylbenzene	ug/L	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	SNA	7.3	700
Styrene	ug/L	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	SNA	72	100
Xylenes (Total)	ug/L	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	SNA	13	10,000

(1) Savannah River National Laboratory - Ecological Screening Values for Surface Water (2005)

(2) Regional Screening Level Summary Table November 2012

*MCL unavailable, tapwater screening level used

NA: MCL & Drinking Water Screening Levels are unavailable

Exceeds Ecological Screening Level

Exceeds Regional MCL or Tapwater Screening Level

Exceeds Ecological & Regional Screening Level

SNA: Sample not analyzed