

Dissolved 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-011D	WS-014S	WS-014D	WS-012S	WS-012D	WS-010S	WS-018S		
Aluminum	ug/L	96.4	130	25.3	27.3	1300	195	1280	<20	1230	32.2	31.4	26	24.2	64.7	51.8	152	43.2	5.0	16,000 *
Antimony	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	30	6.0
Arsenic	ug/L	1.01	0.7	<0.5	0.51	2.29	1.54	2.24	0.85	2.42	0.62	0.59	0.55	0.56	0.62	0.66	0.79	0.66	5.0	10
Barium	ug/L	32.3	15	14.4	14.8	26	15.8	25.3	47.9	29.4	9.98	11.2	8.72	9.2	10.1	11.3	13.1	13.7	3.9	2,000
Beryllium	ug/L	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	0.12	<0.1	0.16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.53	4.0
Boron	ug/L	17	16.1	16.1	15.9	16.8	17.1	16.2	23.8	14.3	16.5	16.6	16.8	16.8	16.6	18.2	17.2	16.4	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	0.017	5.0
Calcium	mg/L	8.61	3.5	3.38	3.34	3.25	3.4	2.83	18.1	2.57	3.43	3.46	3.49	3.41	3.29	3.39	3.23	3.48	116	NA
Chromium	ug/L	<0.5	<0.5	<0.5	<0.5	1.24	<0.5	1.17	<0.5	1.32	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.0	100
Cobalt	ug/L	0.57	<0.5	<0.5	<0.5	2.41	<0.5	2.33	1.66	3.37	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.0	4.7 *
Copper	ug/L	1.05	<0.5	<0.5	<0.5	1.55	<0.5	1.34	0.57	1.26	1.1	0.91	0.98	0.88	1.01	0.98	1.03	0.88	0.23	1300
Iron	ug/L	495	222	122	107	750	332	751	21.8	1080	119	134	134	150	211	186	313	117	158	11,000 *
Lead	ug/L	0.73	<0.3	<0.3	<0.3	0.74	<0.3	0.85	<0.3	1.04	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1.0	15
Magnesium	mg/L	3.63	1.74	1.75	1.7	1.58	1.69	1.42	10.1	1.34	1.8	1.8	1.84	1.83	1.78	1.81	1.79	1.8	82	NA
Manganese	ug/L	85.8	100	5.93	3.5	725	141	699	1460	743	3.26	34.5	3.64	4.35	6.41	7.91	78.5	37.6	80	320 *
Nickel	ug/L	1.85	<0.5	<0.5	<0.5	2.26	<0.5	2.36	4.92	2.82	1.03	1.1	1.14	1.12	1.2	1.24	1.4	1.02	25	300 *
Potassium	mg/L	2.33	1.94	1.92	1.89	2.69	1.87	2.67	3.35	2.23	1.98	2.01	2.05	2	1.95	2	1.94	1.98	53	NA
Selenium	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.0	50
Silicon Dioxide	mg/L	5.82	1.92	1.4	1.23	9.01	2.26	9.58	1.63	10	1.25	1.46	1.52	1.53	1.4	1.52	1.89	1.37	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	0.12	71 *
Sodium	mg/L	15	5.22	5.34	5.03	4.49	5.2	4.73	17.7	5.41	5.65	5.69	5.86	5.85	5.9	5.88	5.93	5.59	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	0.8	2.0
Vanadium	ug/L	0.72	<0.5	<0.5	<0.5	2.23	<0.5	2.24	<0.5	2.12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	19	78 *
Zinc	ug/L	7.14	5.06	2.38	2.55	6.56	4.47	6.08	7.83	8.38	3.35	3.69	1.6	3.62	10.8	4.85	6	5.88	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)																				
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-018S	Eco SLs ⁽¹⁾	Drinking Water SLs ⁽²⁾
Aluminum	ug/L	2600	1370	235	291	31400	1330	25900	1610	47200	66.8	76.5	48.7	62.5	225	213	391	85.3	5.0	16,000
Antimony	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	30	6.0
Arsenic	ug/L	1.65	1.31	<1	<1	5.16	2.9	5.08	1.07	6.28	<1	<1	<1	<1	1.02	1.05	1.48	<1	5.0	10
Barium	ug/L	45.1	22.6	15.9	18	226	22.6	242	50.8	332	17.5	19.2	15.1	15.3	18.4	19.3	25.5	21.8	3.9	2,000
Beryllium	ug/L	<0.5	<0.5	<0.5	<0.5	1.97	<0.5	2.14	<0.5	2.74	<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	<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	0.017	5.0
Calcium	mg/L	9.14	3.64	3.56	3.45	6.63	3.45	6.36	17.7	6.85	3.34	3.42	3.32	3.34	3.41	3.34	3.61	3.39	116	NA
Chromium	ug/L	2.21	1.14	<1	<1	13.3	1.21	14.4	1.76	19.6	<1	<1	<1	<1	<1	<1	<1	<1	2.0	100
Cobalt	ug/L	1.7	<1	<1	<1	13	<1	14.1	2.3	18.9	<1	<1	<1	<1	<1	<1	<1	<1	3.0	4.7
Copper	ug/L	3.08	1.37	<1	<1	9.21	1.52	9.53	2.34	12.3	1.07	1.02	1.01	1.02	1.14	1.25	1.38	1.11	0.23	1,300
Iron	ug/L	2960	1670	559	566	37600	1890	25900	1340	38700	525	655	515	538	888	846	1530	632	158	11,000
Lead	ug/L	4.18	1.17	<1	<1	32.2	1.25	35	1.04	49.3	<1	<1	<1	<1	<1	<1	<1	<1	1.0	15
Magnesium	mg/L	3.77	1.84	1.8	1.76	4.24	1.84	4.35	10.4	5.17	1.81	1.85	1.85	1.83	1.8	1.84	1.89	1.81	82	NA
Manganese	ug/L	127	363	219	264	3020	423	2090	6.8	2550	309	376	238	252	295	329	506	365	80	320
Nickel	ug/L	3.55	<2.5	<2.5	<2.5	14.8	<2.5	16.2	3.41	20.9	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25	300
Potassium	mg/L	2.6	2.12	2.04	1.95	3.72	1.96	3.5	<2	3.89	1.93	1.99	1.96	1.97	1.98	1.97	2.05	1.92	53	NA
Selenium	ug/L	<2	<2	<2	<2	<2	<2	<2	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	1.0	50
Silver	ug/L	<5	<5	<5	<5	<5	<5	<5	17.8	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.12	71
Sodium	mg/L	14.5	5.35	5.48	5.2	4.33	5.32	4.42	<2.5	5.1	5.5	5.63	5.73	5.61	5.43	5.57	5.64	5.43	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	0.8	2.0
Vanadium	ug/L	3.9	<2.5	<2.5	<2.5	17.8	<2.5	19.4	12.9	27	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	19	78
Zinc	ug/L	13.9	8.93	<3	<3	57.4	8.6	66.9		86.9	<3	<3	<3	<3	<3	<3	3.86	5.6	30	4,700

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(2) Regional Screening Level Summary Table November 2012

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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-011B	WS-014S	WS-014D	WS-012S	WS-012D	WS-010S	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	0.00001	NA

Note: The sample jar for WS-018D was broken, therefore, oil & grease was not able to be analyzed for this sample

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-018S	Eco SLs ⁽¹⁾	Drinking Water SLs ⁽²⁾
Benzyl alcohol	ug/L	<0.16	<0.16	<0.16	<0.16	0.504	<0.16	2.39	<0.16	0.2	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	8.6	1,500
4-Methylphenol (p-Cresol)	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	NA	1,400
Di-n-butyl phthalate	ug/L	0.941	<0.2	<0.2	<0.2	<0.2	0.312	1.48	<0.2	<0.2	0.209	<0.2	<0.2	1.13	<0.2	<0.2	<0.2	<0.2	9.4	670
Bis(2-ethylhexyl)phthalate	ug/L	0.626	1.03	<0.3	<0.3	<0.3	<0.3	2.5	<0.3	0.402	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	6.0

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-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	46	5.0
Toluene	ug/L	<0.57	<0.57	<0.57	<0.57	<0.57	0.572	<0.57	0.688	<0.57	<0.57	<0.57	0.579	<0.57	<0.57	0.573	<0.57	<0.57	2.0	1,000
Ethylbenzene	ug/L	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	0.52	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	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	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	13	10,000

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(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

Please note no samples were obtained from location WS-018D