



Dissolved Metals								
Contaminant	Units	WS-001	WS-002	WS-005	WS-008	WS-BKG-002	Eco SLs (1)	Drinking Water SLs (2)
Aluminum	ug/L	22.2	<20	<20	52.1	191	5.0	20,000 *
Antimony	ug/L	<5	<5	<5	<5	<5	30	6.0
Arsenic	ug/L	0.66	0.66	0.62	<0.5	0.61	5.0	10
Barium	ug/L	17	15.1	14.3	24.1	26.3	3.9	2,000
Beryllium	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	0.53	4.0
Boron	ug/L	21.8	23.4	22.9	28.4	17.2	1.6	4,000 *
Cadmium	ug/L	<0.1	<0.1	<0.1	<0.1	<0.1	0.017	5.0
Calcium	mg/L	4.53	4.52	4.93	10.2	4.44	116	NA
Chromium	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	2.0	100
Cobalt	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	3.0	6.0 *
Copper	ug/L	<0.5	<0.5	<0.5	1.49	1.72	0.23	1,300
Iron	ug/L	43.1	<20	<20	90.6	252	158	14,000 *
Lead	ug/L	<0.3	<0.3	<0.3	<0.3	<0.3	1.0	15
Magnesium	mg/L	2.11	2.24	2.25	4.68	1.58	82	NA
Manganese	ug/L	8.52	5.19	13.7	3.5	22.9	80	430 *
Nickel	ug/L	0.63	0.57	0.61	0.98	1.51	25	390 *
Potassium	mg/L	2.73	2.62	2.74	2.75	2.3	53	NA
Selenium	ug/L	<1	<1	<1	<1	<1	1.0	50
Silicon Dioxide	mg/L	7.32	7.49	7.17	10.7	9.42	NA	NA
Silver	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	0.12	94 *
Sodium	mg/L	9.04	9.28	9	11.4	8.76	680	NA
Thallium	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	2.0
Vanadium	ug/L	<0.5	<0.5	<0.5	<0.5	0.7	19	86 *
Zinc	ug/L	3.53	<1	<1	7.1	8.53	30	6,000 *

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

(2) USEPA Maximum Contaminant Level (May 2014)

\*USEPA Tapwater Screening Level (MCL unavailable)

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								
Contaminant	Units	WS-001	WS-002	WS-005	WS-008	WS-BKG-002	Eco SLs (1)	Drinking Water SLs (2)
Aluminum	ug/L	261	36.6	32.6	344	546	5.0	20,000 *
Antimony	ug/L	<10	<10	<10	<10	<10	30	6.0
Arsenic	ug/L	1.36	1.13	1	<1	<1	5.0	10
Barium	ug/L	24.7	20.3	18.6	27.1	34.9	3.9	2,000
Beryllium	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5	0.53	4.0
Boron	ug/L	<25	<25	<25	27.7	<25	1.6	4,000 *
Cadmium	ug/L	<1	<1	<1	<1	<1	0.017	5.0
Calcium	mg/L	4.69	4.61	5	10.2	4.57	116	NA
Chromium	ug/L	<1	<1	<1	<1	<1	2.0	100
Cobalt	ug/L	<1	<1	<1	<1	<1	3.0	6.0 *
Copper	ug/L	<1	<1	<1	2.16	2.96	0.23	1,300
Iron	ug/L	786	450	382	385	819	158	14,000 *
Lead	ug/L	<1	<1	<1	<1	1.49	1.0	15
Magnesium	mg/L	2.15	2.25	2.27	4.68	1.63	82	NA
Manganese	ug/L	286	215	179	8.87	35.5	80	430 *
Nickel	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	25	390 *
Potassium	mg/L	2.8	2.62	2.75	2.65	2.26	53	NA
Selenium	ug/L	<2	<2	<2	<2	<2	1.0	50
Silver	ug/L	<5	<5	<5	<5	<5	0.12	94 *
Sodium	mg/L	9.05	9.03	9	11.3	8.52	680	NA
Thallium	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	0.8	2.0
Vanadium	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	19	86 *
Zinc	ug/L	<3	<3	<3	16.6	18.6	30	6,000 *

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

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- Exceeds Ecological & Regional Screening Level



Oil & Grease								
Contaminant	Units	WS-001	WS-002	WS-005	WS-008	WS-BKG-002	Eco SLs <sup>(1)</sup>	Drinking Water SLs <sup>(2)</sup>
Oil & Grease	mg/L	<2.5	<2.5	<2.5	<2.5	<2.5	0.00001	NA

Semi-Volatile Organic Compounds (SVOCs)								
Contaminant	Units	WS-001	WS-002	WS-005	WS-008	WS-BKG-002	Eco SLs <sup>(1)</sup>	Drinking Water SLs <sup>(2)</sup>
Bis(2-chloroethoxy)methane	ug/L	<0.2	<0.2	<0.2	0.273	0.362	NA	59*

Volatile Organic Compounds (VOCs)								
Contaminant	Units	WS-001	WS-002	WS-005	WS-008	WS-BKG-002	Eco SLs <sup>(1)</sup>	Drinking Water SLs <sup>(2)</sup>
Benzene	ug/L	<0.66	<0.66	<0.66	<0.66	<0.66	46	5.0

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

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Exceeds Ecological Screening Level  
 Exceeds Regional MCL or Tapwater Screening Level  
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