

Table 1
Surface Water Analytical Results Summary

Analyte	CAS No.	Units	SW-BG-U		SE-BG-D		SW-01		SW-02		SW-03 (SW-02 dup)		SW-FR	
			Background - Upstream		Background - Downstream		Downstream - Dam Area		Downstream - Culvert Area		Downstream - Culvert Area		Frac Tank	
Aluminum	7429-90-5	µg/L	690		490		2300		2300		6200		490	
Antimony	7440-36-0	µg/L	<0.63		<0.63		<0.63		<0.63		<0.63		<0.63	
Arsenic	7440-38-2	µg/L	<1.0		<1.0		3.4	J	1.4	J	3.1	J	1.5	J
Barium	7440-39-3	µg/L	44		37		120		60		120		38	
Beryllium	7440-41-7	µg/L	<0.55		<0.55		<0.55		<0.55		<0.55		<0.55	
Cadmium	7440-43-9	µg/L	<0.19		<0.19		<0.19		<0.19		<0.19		<0.19	
Chromium (Total)	7440-47-3	µg/L	1.3	J	1.5	J	6.1		3.8	J	9.7		1.5	J
Cobalt	7440-48-4	µg/L	1	J	0.94	J	4.3		1.9	J	4.6		1.1	J
Copper	7440-50-8	µg/L	<3.0		<3.0		30		3.6	J	15		4.7	J
Iron	7439-89-6	µg/L	1700		1600		13000		4100		9700		3200	
Lead	7439-92-1	µg/L	0.28	J	<0.20		1.7	J	1.4	J	4.4		0.59	J
Manganese	7439-96-5	µg/L	120		130		710		150		280		210	
Nickel	7440-02-0	µg/L	1.4	J	1.3	J	4.8	J	2.7	J	5.9	J	5.4	J
Selenium	7782-49-2	µg/L	<10.0		<10.0		<10.0		<10.0		<10.0		<10.0	
Silver	7440-22-4	µg/L	<0.13		<0.13		<0.13		<0.13		<0.13		<0.13	
Thallium	7440-28-0	µg/L	<0.15		<0.15		<0.15		<0.15		<0.15		<0.15	
Vanadium	7440-62-2	µg/L	4.8	J	5.4	J	21		14	J	31		5.5	J
Zinc	7440-66-6	µg/L	37		31	J	260		72		130		32	J

Notes:

Highlighted Result = Result exceeds three times one or more of the background concentrations.

Bold results = Result exceeds one or more of the analyte background concentrations.

< = Analytes detected below laboratory reporting limits are listed as less than applicable method detection limit value

dup= Duplicate sample

µg/L = micrograms per liter

Qualifiers:

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value