Table 11. Logan Wash Monitoring Well Analytical Data

SampleID		LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A
SampleDate		2/2/2000	3/9/2000	4/7/2000	8/3/2000	10/26/2000	2/7/2001	5/23/2001	9/26/2001	5/10/2011	10/27/2011	6/13/2012
Parameters	Units											
General Chemistry												
Alkalinity, Bicarbonate (as CaCO3)	mg/L	360	390	---	---	471	---	---	376	425	360	370
Alkalinity, Carbonate (as CaCO3)	mg/L	5 U	5 U	---	---	5 U	---	---	5 U	5 U	5 U	5 U
Alkalinity, Total (As CaCO3)	mg/L	360	390	---	---	471	---	---	376	432	360	370
Ammonia	mg/L	1.2	0.8 U	---	---	0.8 U	---	---	0.15	0.1 U	0.12 U	0.14 U
Bromide	mg/L	---	---	---	---	180	---	---	---	0.5 U	1 U	0.5 U
Chemical Oxygen Demand (COD)	mg/L	---	---	---	---	26.3	---	---	---	38.8	28	38
Chloride	mg/L	31 D	35 J	---	---	46.7	---	---	41.6	35.4	16	24
Specific Conductivity	umhos/cm	---	---	---	---	---	---	---	---	5550	4300	4000
Cyanide (free)	mg/L	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	4.2	3.1	0.4 U	1.8	3.9	2.5	2.3	3.1	---	---	---
Fluoride (dissolved)	mg/L	---	---	---	---	3.1	---	---	---	1.2	1.1 U	1.1
Hardness	mg/L	---	---	---	---	244	---	---	---	1130	770	820
Nitrate (as N)	mg/L	---	---	---	---	19.4	---	---	---	23.1	14	14
Nitrite (as N)	mg/L	---	---	---	---	0.01 U	---	---	---	1.2 U	0.25 U	0.13 U
Oil and Grease, Total	mg/L	---	---	---	---	---	---	---	5 U	---	---	---
Oil and grease (HEM), polar	mg/L	---	---	---	---	---	---	---	---	---	4.7 U	2.4 J
Oil and grease (HEM), total	mg/L	5	2 U	---	---	---	---	---	---	2 J	---	---
pH	s.u.	---	---	---	---	---	---	---	---	7.5 J	7.66 J	7.39 J
Phenolics (Total)	mg/L	0.092	0.05 U	---	---	0.05 U	---	---	0.01 U	0.025	0.01 U	0.01 U
Phosphorus as P, total	mg/L	---	---	---	---	---	---	---	---	0.1 U	0.1 U	0.1 U
Silica	mg/L	---	---	---	---	---	---	---	---	---	---	---
Sulfate	mg/L	1200 D	220 J	---	---	1510	---	---	1340	1950	1400	1700
Sulfide	mg/L	---	---	---	---	---	---	---	---	1.8 J	3 U	3 U
Sulfite	mg/L	2 U	2 U J	---	---	2 U	---	---	2 U	---	---	---
Thiocyanate	mg/L	0.4 U	0.4 U	---	---	1 U	---	---	0.7 U	---	---	---
Thiosulfate	mg/L	0.4 U	0.4 U	---	---	1 U	---	---	0.7 U	---	---	---
Total Dissolved Solids (TDS)	mg/L	2170	2770	---	---	2710	---	---	2400	3620	2700	2500
Nitrogen, Total Kjeldahl	mg/L	1.2	1.7	---	---	1.8	---	---	1.7	5 U	5 U	5 U
Total Organic Carbon (TOC)	mg/L	---	---	---	---	---	---	---	---	14.1	11	11
Total Pet_ Hydrocarbons	mg/L	---	---	---	---	---	---	---	---	0.67	0.48 U	0.5 U
Total Suspended Solids (TSS)	mg/L	---	---	---	---	34	---	---	---	9.2	17	40
Dissolved Organic Carbon (DOC)	mg/L	8.3	11 J	---	---	14.2	---	---	10.9	14.4	12	10

Table 11. Logan Wash Monitoring Well Analytical Data

SampleID		LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A
SampleDate		2/2/2000	3/9/2000	4/7/2000	8/3/2000	10/26/2000	2/7/2001	5/23/2001	9/26/2001	5/10/2011	10/27/2011	6/13/2012
Parameters	Units											
Metals												
Arsenic	ug/L	20	20	20	13	23.2	41	47 U	19.6	14.7	13	15
Arsenic (Dissolved)	ug/L	---	---	---	---	24.9	---	---	---	14.7	14	13
Boron	ug/L	4900	8300	8800	7700	6300 E	2330	6400	5780	---	---	---
Boron (Dissolved)	ug/L	---	---	---	---	6550 E	---	---	---	9590	8200	9700
Cadmium	ug/L	2 U	2 U	0.9 J	2.1 U	0.84	0.73	---	0.51	---	---	---
Cadmium (Dissolved)	ug/L	---	---	---	---	0.49	---	---	---	0.098 J	1 U	1 U
Calcium	ug/L	---	---	---	---	---	---	---	---	---	---	---
Calcium (Dissolved)	ug/L	---	---	---	---	98000	---	---	---	126000	98000	110000
Chromium	ug/L	---	---	---	---	1.4	---	---	---	4.9	3.7	3.2
Chromium (Dissolved)	ug/L	---	---	---	---	1.5	---	---	---	4.6	3.6	2.5
Chromium III	ug/L	---	---	---	---	10 U	---	---	---	---	---	---
Chromium VI	ug/L	---	---	---	---	0.05 U	---	---	---	---	---	---
Copper	ug/L	---	---	---	---	18.9	---	26	---	---	---	---
Copper (Dissolved)	ug/L	---	---	---	---	14.9	---	---	---	6.2	6.5	8.1
Iron	ug/L	---	---	---	---	628 E	---	---	---	198	420	780
Iron (Dissolved)	ug/L	---	---	---	---	369 E	---	---	---	50 U	8.1 J	24 J
Lead	ug/L	---	---	---	59 U	6.9	39.6	59 U	---	---	---	---
Lead (Dissolved)	ug/L	---	---	---	---	7.7	---	---	---	1 U	1 U	1 U
Lithium	ug/L	200 J	620	---	---	337 J	---	---	---	---	---	---
Lithium (Dissolved)	ug/L	---	---	---	---	339 J	---	---	308	264	200	240
Magnesium	ug/L	---	---	---	---	93100 E	---	---	---	---	---	---
Magnesium (Dissolved)	ug/L	---	---	---	---	28.6 U	---	---	---	167000	130000	140000
Manganese	ug/L	---	---	---	---	16.1	---	---	---	---	---	---
Manganese (Dissolved)	ug/L	---	---	---	---	15.1	---	---	---	0.22 J	1.5 J	1 J
Mercury	ug/L	---	---	---	---	0.12 U	---	---	---	---	---	---
Mercury (Dissolved)	ug/L	---	---	---	---	0.12 U	---	---	---	0.2 U	0.2 U	0.2 U
Molybdenum (Dissolved)	ug/L	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/L	---	---	---	---	5.2	---	---	---	---	---	---
Nickel (Dissolved)	ug/L	---	---	---	---	7.1	---	---	---	---	---	---
Potassium	ug/L	---	---	---	---	1100000 E	---	---	---	---	---	---
Potassium (Dissolved)	ug/L	---	---	---	---	151000 E	---	---	---	18400	18000	17000

Table 11. Logan Wash Monitoring Well Analytical Data

SampleID		LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A
SampleDate		2/2/2000	3/9/2000	4/7/2000	8/3/2000	10/26/2000	2/7/2001	5/23/2001	9/26/2001	5/10/2011	10/27/2011	6/13/2012
Parameters	Units											
Metals												
Selenium	ug/L	---	---	---	---	3.8	---	---	---	---	---	---
Selenium (Dissolved)	ug/L	---	---	---	---	7.1	---	---	---	46.1	37	37
Silicon	ug/L											
Silicon (Dissolved)	ug/L	---	---	---	---	---	---	---	---	6730	6800	7400
Silver	ug/L	5 U	5 U	10 U	---	0.05 U	---	---	10 U	---	---	---
Silver (Dissolved)	ug/L	---	---	---	---	0.03 U	---	---	---	---	---	---
Sodium	ug/L	---	---	---	---	---	---	---	---	---	---	---
Sodium (Dissolved)	ug/L	---	---	---	---	489000	---	---	---	596000	480000	660000
Strontium	ug/L	---	---	---	---	5000 J	---	---	---	---	---	---
Strontium (Dissolved)	ug/L	---	---	---	---	4280 J	---	---	---	4100	3100	4000
Uranium (Dissolved)	ug/L	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/L	---	---	---	---	66	---	---	---	---	---	---
Zinc (Dissolved)	ug/L	---	---	---	---	58.4	---	---	---	3.5 J	9.9 U	10
Volatile Organic Compounds - BTEX												
Benzene	ug/L	1 U	1 U	1 U	0.2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Ethylbenzene	ug/L	1 U	1 U	1 U	0.2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Toluene	ug/L	1 U	1 U	1 U	0.2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Xylenes, Total	ug/L	1 U	1 U	1 U	0.2 U	2 U	2 U	2 U	1 U	3 U	3 U	3 U
Petroleum Products												
Diesel fuel	mg/L	---	---	---	---	0.1 U	---	---	---	---	---	---
TPH - Extractable (DRO)	mg/L	---	---	---	---	---	---	---	---	---	---	---
TPH (non-polar)	mg/L	---	---	---	---	---	---	---	---	0.67	0.48 U	0.5 U
TPH (C21 - C28)	mg/L	---	---	---	---	---	---	---	---	---	---	---
Radiology												
Gross Alpha Analytes	pci/l	53	5	---	---	10 + or - 16	---	---	5 + or - 2	---	---	---
Gross Beta Analytes	pci/l	150	100	---	---	150 + or - 30	---	---	15 + or - 2	---	---	---
Field Parameters												
Specific conductivity, field	umhos/cm	---	---	---	---	---	---	---	---	---	---	---
Dissolved oxygen (DO), field	mg/L	---	---	---	---	---	---	---	---	---	---	---
Oxidation reduction potential (ORP), fiel	millivolts	---	---	---	---	---	---	---	---	---	---	---
pH, field	s.u.	---	---	---	---	---	---	---	---	---	---	---
Temperature, ambient	Deg C	---	---	---	---	---	---	---	---	---	---	---
Temperature, field	Deg C	---	---	---	---	---	---	---	---	---	---	---
Turbidity, field	NTU	---	---	---	---	---	---	---	---	---	---	---

Table 11. Logan Wash Monitoring Well Analytical Data

SampleID		LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A
SampleDate		10/25/2012	6/12/2013	10/23/2013	5/21/2014	10/27/2014	5/13/2015	10/19/2015	5/25/2016	10/11/2016	5/2/2017	10/11/2017
Parameters	Units											
General Chemistry												
Alkalinity, Bicarbonate (as CaCO3)	mg/L	380	390	400	420	440 B	470	430	367	351	374	391
Alkalinity, Carbonate (as CaCO3)	mg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2.71 U	2.71 U	2.71 U	2.71 U
Alkalinity, Total (As CaCO3)	mg/L	380	390	400	420	440 B	470	430	367	351	374	391
Ammonia	mg/L	0.32	0.15	0.13 U	0.05 J	0.1 U	0.24	0.1 U	0.038 U	0.038 U	0.0317 U	0.0317 U
Bromide	mg/L	1.3 U	2.5 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.079 U	0.079 U	0.079 U	0.079 U
Chemical Oxygen Demand (COD)	mg/L	18	34	30	33	51	32	28 B	53.1	64.4	34	31.6
Chloride	mg/L	32	27	28	17	22	23	26	20.2	20.7	23.5	23
Specific Conductivity	umhos/cm	4000	4100	4200	---	4100	4000	4400	4160	38300	3850	4030
Cyanide (free)	mg/L	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	---	---	---	---	---	---	---	1.31	1.37	1.17	1.19
Fluoride (dissolved)	mg/L	1.1	0.41	0.76	0.38	0.87	1.1	1.2	---	---	---	---
Hardness	mg/L	760	1000	1200	990	1100	1100	1100	896	814	907	995
Nitrate (as N)	mg/L	14 J	16	18	18	22 H	21	21 B	16.4	16.4	18	22.7 U
Nitrite (as N)	mg/L	0.13 U J	0.13 U	0.13 U	0.13 U	0.13 UH	0.13 U	U*	0.0277 U	0.0277 U	0.0277 U	0.0277 U
Oil and Grease, Total	mg/L	---	---	---	---	3.4 J	---	---	---	---	---	---
Oil and grease (HEM), polar	mg/L	5.2 U	1.4 J	1.8 J	4.7 U	---	4.5 U	4.5 U	---	---	---	---
Oil and grease (HEM), total	mg/L	---	---	---	---	---	---	---	1.16 U	1.16 U	1.16 U	1.16 U
pH	s.u.	7.74 J	7.79 J	7.52 J	7.93 J	7.5 HF	7.74 J	7.69 HF	7.56 J	7.70 J	7.69 J	7.6 J
Phenolics (Total)	mg/L	0.01 U	0.0077 J	0.01 U	0.01 U	0.01 U	0.015	0.01 U	0.0205 U	0.0179 J	0.0083 U	0.0083 U
Phosphorus as P, total	mg/L	0.058 J	0.1 U	0.1 U	0.017 J	0.1 U	0.1 U	0.1 U	0.035 U	0.035 U	0.0843 U	0.0958 J
Silica	mg/L	---	---	17	---	---	---	---	16.7	15.8	16.7	16.9
Sulfate	mg/L	1600	1900	2100	1800	2100	2000	2200	1800	1700	1820	1790
Sulfide	mg/L	3 U	3 U	3 U	3 U	0.53 J	0.49 J	30 U	0.0065 U	0.0065 U	0.0065 U	0.0065 U
Sulfite	mg/L	---	---	---	---	---	---	---	---	---	---	---
Thiocyanate	mg/L	---	---	---	---	---	---	---	---	---	---	---
Thiosulfate	mg/L	---	---	---	---	---	---	---	---	---	---	---
Total Dissolved Solids (TDS)	mg/L	2500	2600	2700	2800	3000	3500	3600	3360	2240	3020	2900
Nitrogen, Total Kjeldahl	mg/L	1.1 J	3.4 J	3.9 J	7.9	5 U	5 U	3.4 J	1.32	0.847	0.951	0.120 U
Total Organic Carbon (TOC)	mg/L	11	8.5	10	10	12	13	13	89.3	10.3	11.3	11.6
Total Pet_ Hydrocarbons	mg/L	---	---	---	---	---	---	---	---	---	---	---
Total Suspended Solids (TSS)	mg/L	150	24	7.2	6.4	13	---	---	---	---	---	---
Dissolved Organic Carbon (DOC)	mg/L	11	10	11	10	11	13	13	88.4	9.73	11.4	11.9

Table 11. Logan Wash Monitoring Well Analytical Data

SampleID		LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A
SampleDate		10/25/2012	6/12/2013	10/23/2013	5/21/2014	10/27/2014	5/13/2015	10/19/2015	5/25/2016	10/11/2016	5/2/2017	10/11/2017
Parameters	Units											
Metals												
Arsenic	ug/L	15	12	14	14	14	13	16	21.5	14.5	384	13
Arsenic (Dissolved)	ug/L	11	12	19	15	13	13	15	15.2	13.8	15.3	14.3
Boron	ug/L	---	---	---	---	---	11000	12000	---	---	---	---
Boron (Dissolved)	ug/L	7900	11000	11000	12000	10000	---	---	8450	9720	12800	10600
Cadmium	ug/L	---	---	---	---	---	---	---	---	---	---	---
Cadmium (Dissolved)	ug/L	0.099 J	0.14 J	0.85 J	1 U	0.081 J	1 U	1.5	0.220 U	0.220 U	0.220 U	0.22 U
Calcium	ug/L	---	---	---	---	---	---	---	---	---	---	---
Calcium (Dissolved)	ug/L	78000	130000	170000	130000	130000	120000	150000 B	115000	121000	141000	139000
Chromium	ug/L	2.5	2.5	2.6	4.9	3.6	3.2	4.7	6.26	2.94	118	3.47
Chromium (Dissolved)	ug/L	1.1 J	2.6	4 J	4.9	3.2	2.9	4.3	4.44	2.98	4.52	3.39
Chromium III	ug/L	---	---	---	---	---	---	---	---	---	---	---
Chromium VI	ug/L	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/L	---	---	---	---	---	---	---	---	---	---	---
Copper (Dissolved)	ug/L	6	7	12	5.5	6	5.6	9.8	5.83	6.92	18.3	11.2
Iron	ug/L	1900	340	160	64	240	350	120	98.8 J	133	2630	22.7 J
Iron (Dissolved)	ug/L	22 J	5.3 J	250 U	50 U	11 J	30 J	50 U	65.9 J	15.0 U	15.0 U	15 U
Lead	ug/L	---	---	---	---	---	---	---	---	---	---	---
Lead (Dissolved)	ug/L	0.14 J	0.57 J	5 U	1 U	0.074 J	1 U	0.9 J	0.260 U	0.260 U	0.260 U	0.26 U
Lithium	ug/L	---	---	---	---	---	---	---	---	---	---	---
Lithium (Dissolved)	ug/L	250	240	240	230	250	250	270	286	255	323	243
Magnesium	ug/L	---	---	---	---	---	---	---	---	---	---	---
Magnesium (Dissolved)	ug/L	97000	150000	210000	160000	160000	150000	170000	125000	128000	152000	155000
Manganese	ug/L	---	---	---	---	---	---	---	---	---	---	---
Manganese (Dissolved)	ug/L	13	5 U	0.46 J	0.32 J	0.87 JB	0.2 J	0.42 J	2.07 J	0.510 U	0.510 U	0.51 U
Mercury	ug/L	---	---	---	---	---	---	---	---	---	---	---
Mercury (Dissolved)	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.0490 U	0.0490 U	0.0490 U	0.049 U
Molybdenum (Dissolved)	ug/L	---	---	570	---	---	---	---	---	---	---	---
Nickel	ug/L	---	---	---	---	---	---	---	---	---	---	---
Nickel (Dissolved)	ug/L	---	---	4.5 J	---	---	---	---	---	---	---	---
Potassium	ug/L	---	---	---	---	---	---	---	---	---	---	---
Potassium (Dissolved)	ug/L	13000	19000	28000	22000	21000	20000	21000	18300	17200	21500	20600

Table 11. Logan Wash Monitoring Well Analytical Data

SampleID		LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A
SampleDate		10/25/2012	6/12/2013	10/23/2013	5/21/2014	10/27/2014	5/13/2015	10/19/2015	5/25/2016	10/11/2016	5/2/2017	10/11/2017
Parameters	Units											
Metals												
Selenium	ug/L	---	---	---	---	---	---	---	---	---	---	---
Selenium (Dissolved)	ug/L	17	40	52	49	46	49	60	42.7	41.1	52.1	45.6
Silicon	ug/L								7810	7410	7810	7880
Silicon (Dissolved)	ug/L	6000	6500	8100	8000	6600	6700	7600	---	---	---	---
Silver	ug/L	---	---	---	---	---	---	---	---	---	---	---
Silver (Dissolved)	ug/L	---	---	5 U	---	---	---	---	---	---	---	---
Sodium	ug/L	---	---	---	---	---	---	---	---	---	---	---
Sodium (Dissolved)	ug/L	630000	540000	720000	610000	600000	550000	720000	556000	576000	649000	631000
Strontium	ug/L	---	---	---	---	---	---	---	---	---	---	---
Strontium (Dissolved)	ug/L	2800	4400	6200	4100	4500	3700	4600	3380	3590	4650	4710
Uranium (Dissolved)	ug/L	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/L	---	---	---	---	---	---	---	---	---	---	---
Zinc (Dissolved)	ug/L	9.9	15	25 U	5 U	7.7 B	1.9 J	17 B	3.21 U	1.91 U	9.69 J	7.22 U
Volatile Organic Compounds - BTEX												
Benzene	ug/L	1 U	1 U	1 U	1 U	1 U	5 U	5 U	0.331 U	0.331 U	0.331 U	0.331 U
Ethylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U	5 U	5 U	0.384 U	0.384 U	0.384 U	0.384 U
Toluene	ug/L	1 U	1 U	1 U	1 U	1 U	5 U	5 U	0.780 U	0.780 U	0.412 U	0.412 U
Xylenes, Total	ug/L	3 U	3 U	3 U	3 U	3 U	10 U	10 U	1.06 U	1.06 U	1.06 U	1.06 U
Petroleum Products												
Diesel fuel	mg/L	0.51 U	0.48 U	0.49 U	0.52 U	0.54:U	0.5 U	0.33 J	0.148	0.0247 U	0.067 U	0.113
TPH - Extractable (DRO)	mg/L	---	---	---	---	---	---	---	---	---	---	---
TPH (non-polar)	mg/L	---	---	---	---	---	---	---	---	---	---	---
TPH (C21 - C28)	mg/L	---	---	---	---	---	---	---	---	---	---	---
Radiology												
Gross Alpha Analytes	pci/l	---	---	---	---	---	---	---	---	---	---	---
Gross Beta Analytes	pci/l	---	---	---	---	---	---	---	---	---	---	---
Field Parameters												
Specific conductivity, field	umhos/cm	---	---	4265	4007	4177	4227	4515	4164	3669	3884	4052
Dissolved oxygen (DO), field	mg/L	---	---	6.80	9.52	6.34	7.39	9.14	8.02	8.84	9.53	73.4
Oxidation reduction potential (ORP), fielc	millivolts	---	---	203.7	213.6	162.3	252	198.8	173.5	313.6	209.2	75.7
pH, field	s.u.	---	---	7.45	7.41	6.34	7.37	6.91	7.73	6.49	7.67	6.07
Temperature, ambient	Deg C	---	---	12.7	18.3	10.0	18	---	---	---	15.6	15.6
Temperature, field	Deg C	---	---	8.72	8.48	9.69	8.7	9.07	8.09	9.26	9	9.3
Turbidity, field	NTU	---	---	9.67	5.43	10.30	23.51	3.46	16.78	4.56	9.46	1.65

Table 11. Logan Wash Monitoring Well Analytical Data

SampleID		LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LW-22A	LW-22A	LW-22A	LW-22A	LW-22A	LW-22A
SampleDate		6/4/2018	11/13/2018	05/29/2019	10/14/2019	5/26/2020	10/7/2020	5/13/2015	10/15/2015	5/24/2016	10/5/2016	5/3/2017	10/10/2017
Parameters	Units												
General Chemistry													
Alkalinity, Bicarbonate (as CaCO3)	mg/L	432	411	395	369	418	379	520	480 B	412	435	448	451
Alkalinity, Carbonate (as CaCO3)	mg/L	20 U	2.71 U	2.71 U	2.71 U	8.45 U	8.45 U	5 U	5 U	2.71 U	2.71 U	2.71 U	2.71 U
Alkalinity, Total (As CaCO3)	mg/L	432	411	395	369	418	379	520	480 B	412	435	448	451
Ammonia	mg/L	0.1 U	0.0317 U	0.0317 U	0.0317 U	0.117 U	0.117 U	0.1 U	0.1 U	0.038 U	0.038 U	0.0317 U	0.0317 U
Bromide	mg/L	1 U	1.58 U	0.079 U	0.079 U	17.6 U	35.3 U	0.5 U	1.3 U	0.079 U	0.079 U	0.079 U	0.079 U
Chemical Oxygen Demand (COD)	mg/L	56.8	33	32.8	---	---	---	9.4 J	11	10.9	26.8	20.7	14.4
Chloride	mg/L	25.2	28.1	17.9	18.7	23.1	24.5	15	14	16.7	16.9	15.9	15.5
Specific Conductivity	umhos/cm	3510	4240	3970	3280	4090	3970	2400	2500	37600	2750	1430	2500
Cyanide (free)	mg/L	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	1.11	1.28	---	---	---	---	---	---	0.679	0.683	0.603	0.611
Fluoride (dissolved)	mg/L	---	---	1.48	1.47	1.1	1.19	0.66	0.56	---	---	---	---
Hardness	mg/L	1070	935	629	756 B	1060	985	870	900	924	930	970	861
Nitrate (as N)	mg/L	16.6	19	15.3	16.1	17.8 T8	15.3	8.3	9.3	6.76	7.81	8.91	6.65
Nitrite (as N)	mg/L	0.1 U	0.0277 U	0.0277 U	0.0277 U	0.042 U,T8	0.042 U	0.05 U	0.13 U	0.0277 U	0.0277 U	0.0277 U	0.0277 U
Oil and Grease, Total	mg/L	---	---	1.35 U	1.29 U	1.32 U		---	---	---	---	---	---
Oil and grease (HEM), polar	mg/L	---	---	---	---	---	---	4.3 U	4.5 U	---	---	---	---
Oil and grease (HEM), total	mg/L	5.56 U	1.29 U	---	---	---	---	---	---	1.16 U	1.16 U	1.16 U	1.16 U
pH	s.u.	7.70 T8	7.65 J	7.92 J	7.88 T8	7.84 T8	7.69 T8	7.62 J	7.39 HF	7.44 J	7.70 J	8.42 J	7.53 J
Phenolics (Total)	mg/L	0.0126 J	0.0083 U	0.0083 U	0.026 J	0.0083 U	0.0083 U	0.01 U	0.014	0.015 J	0.0207 U	0.0083 U	0.0083 U
Phosphorus as P, total	mg/L	0.1 U	0.0621 U	0.036 J	0.052 B	0.035 U	0.035 U	0.1 U	0.1 U	0.0414 U	0.035 U	0.0693 J	0.0748 U
Silica	mg/L	23.6	14.7	17.1	15.5	15.1	15	---	---	17.9	20.8	25	18.6
Sulfate	mg/L	2030	2000	1780	1560	1900	1850	950	910	986	1100	1030	880
Sulfide	mg/L	0.05 U	0.0065 U	0.0065 U	0.0065 U	0.025 U	0.025 U	3 U	7.5	0.0065 U	0.0065 U	0.0065 U	0.0065 U
Sulfite	mg/L	---	---	---	---	---	---	---	---	---	---	---	---
Thiocyanate	mg/L	---	---	---	---	---	---	---	---	---	---	---	---
Thiosulfate	mg/L	---	---	---	---	---	---	---	---	---	---	---	---
Total Dissolved Solids (TDS)	mg/L	2790	3320	2760	2490	2610 J3	3100	1900	2000	1730	1840 J	1970	1900
Nitrogen, Total Kjeldahl	mg/L	1.1 J6	1.2	0.522	---	---	---	5 U	5 U	0.633	0.608	0.208 J	0.035 U
Total Organic Carbon (TOC)	mg/L	11.7	13.6	13	10.8	13	9.81	5.3	5.6	92.8	5.5	5.91	5.73
Total Pet_ Hydrocarbons	mg/L	---	---	---	---	---	---						
Total Suspended Solids (TSS)	mg/L	---	---	---	4.4	1.6 J	1.1 J	---	---	---	---	---	---
Dissolved Organic Carbon (DOC)	mg/L	10.9	12.5	12.7	---	---	---	12	5.5	96.1	5.13	5.65	6.45

Table 11. Logan Wash Monitoring Well Analytical Data

SampleID		LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LW-22A	LW-22A	LW-22A	LW-22A	LW-22A	LW-22A
SampleDate		6/4/2018	11/13/2018	05/29/2019	10/14/2019	5/26/2020	10/7/2020	5/13/2015	10/15/2015	5/24/2016	10/5/2016	5/3/2017	10/10/2017
Parameters	Units												
Metals													
Arsenic	ug/L	13.4	12.6	12.6	---	---	---	2.4	2.5	2.14	1.92	2.5	2.47
Arsenic (Dissolved)	ug/L	13.6	13	14.4	12.3	12.6	13.1	0.92 J	1.9	1.97	1.78	1.15	1.24
Boron	ug/L	---	---	---	---	---	---	2200	2600	---	---	---	---
Boron (Dissolved)	ug/L	10700	9890	9700	10200 V	11900	11800	---	---	1720	2380	2590	2850
Cadmium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium (Dissolved)	ug/L	1.00 U	0.220 U	0.352 J	116000	---	---	1 U	0.28 J	0.220 U	0.220 U	0.220 U	0.22 U
Calcium	ug/L	---	---	---	---	142000	134000	---	---	---	---	---	---
Calcium (Dissolved)	ug/L	159000	148000	162000	---	148000	130000	110000	140000 B	145000	162000	149000	140000
Chromium	ug/L	3.61	2.52	3.21	---	---	---	0.78 J	1.5 J	1.34	0.460 U	1.7 U	0.958 J
Chromium (Dissolved)	ug/L	3.15	3.22	4.04	---	---	---	2 U	0.97 J	1.18	1.29 U	0.320 U	0.342 J
Chromium III	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Chromium VI	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Copper (Dissolved)	ug/L	13	10.7	7.36	---	---	---	1.8 J	3	2.63	2.44 U	4.03	3.47
Iron	ug/L	83.8 J	27.1 J	96.6 J	---	---	---	1900	5200	3620	1430	2960	3820
Iron (Dissolved)	ug/L	100 U	15.0 U	82.9 U	15.0 U	44.7 U	200	55	180	3340	812	116	136
Lead	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Lead (Dissolved)	ug/L	0.357 J	0.260 U	0.388 J	---	---	---	1 U	0.064 J	0.351 J	0.260 U	0.260 U	0.26 U
Lithium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Lithium (Dissolved)	ug/L	248	256	303	---	---	---	110	110	123	114	131	107
Magnesium	ug/L	---	---	---	---	172000	158000	---	---	---	---	---	---
Magnesium (Dissolved)	ug/L	158000	173000	184000	128000	155000 V	153000	97000	110000	119000	130000	127000	122000
Manganese	ug/L	---	---	---	---	---	---	---	---			---	---
Manganese (Dissolved)	ug/L	5.00 U	0.510 U	86.8	---	---	---	16	9.5	28.3	10.2	9.72	11.7
Mercury	ug/L	---	---	---	---	---	---	---	---			---	---
Mercury (Dissolved)	ug/L	0.200 U	0.0490 U	0.0490 U	---	---	---	0.2 U	0.031 JB	0.0490 U	0.0490 U	0.0490 U	0.049 U
Molybdenum (Dissolved)	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Nickel (Dissolved)	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Potassium (Dissolved)	ug/L	21500	21000	21800	16900	19600	17900	3400	4100	4190	4440	4180	4340

Table 11. Logan Wash Monitoring Well Analytical Data

SampleID		LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LWCW-1A	LW-22A	LW-22A	LW-22A	LW-22A	LW-22A	LW-22A
SampleDate		6/4/2018	11/13/2018	05/29/2019	10/14/2019	5/26/2020	10/7/2020	5/13/2015	10/15/2015	5/24/2016	10/5/2016	5/3/2017	10/10/2017
Parameters	Units												
Metals													
Selenium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Selenium (Dissolved)	ug/L	47.1	48.4	54.1	44.0	45	47	15	19	18.4	20.5	20.5	19.2
Silicon	ug/L	11000	6890	7980	7270	7070	6990	---	---	8360	9740	11700	8700
Silicon (Dissolved)	ug/L	---	---	---	---	---	---	6500	8100	---	---	---	---
Silver	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Silver (Dissolved)	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Sodium (Dissolved)	ug/L	582000	647000	692000	547000	549000 V	628000	210000	250000	257000	276000	272000	257000
Strontium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Strontium (Dissolved)	ug/L	4660	4360	4560	---	---	---	2200	2700	3060	3170	3370	3630
Uranium (Dissolved)	ug/L	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	ug/L	9.96 J	9.49 J	---	---	---	---	---	---	---	---	---	---
Zinc (Dissolved)	ug/L	---	---	15.1	---	---	---	15	23 B	36.2	25.4	12.2	2.23 U
Volatile Organic Compounds - BTEX													
Benzene	ug/L	1.00 U	0.331 U	0.331 U	0.331 U	0.0941 U	0.0941 U	5 U	5 U	0.331 U	0.331 U	0.331 U	0.331 U
Ethylbenzene	ug/L	1.00 U	0.384 U	0.384 U	0.384 U	0.137 U	0.137 U	5 U	5 U	0.384 U	0.384 U	0.384 U	0.384 U
Toluene	ug/L	1.00 U	0.412 U	0.412 U	0.412 U	0.278 U	0.278 U	5 U	5 U	0.780 U	0.780 U	0.412 U	0.412 U
Xylenes, Total	ug/L	3.00 U	1.06 U	1.06 U	1.06 U	0.174 U	0.174 U	10 U	10 U	1.06 U	1.06 U	1.06 U	1.06 U
Petroleum Products													
Diesel fuel	mg/L	0.198	0.159	0.0835 U	0.119	0.0317 J	136 B	0.46 U	0.25 J	0.289	24.7 U	0.0517 U	0.0247 U
TPH - Extractable (DRO)	mg/L	---	---	---	---	---	---	---	---	---	---	---	---
TPH (non-polar)	mg/L	---	---	---	---	---	---	---	---	---	---	---	---
TPH (C21 - C28)	mg/L	---	---	---	---	---	---	---	---	---	---	---	---
Radiology													
Gross Alpha Analytes	pci/l	---	---	---	---	---	---	---	---	---	---	---	---
Gross Beta Analytes	pci/l	---	---	---	---	---	---	---	---	---	---	---	---
Field Parameters													
Specific conductivity, field	umhos/cm	4281	4185	3692	3737	4044	4035	1700	1844	1935	1814	2559	2436
Dissolved oxygen (DO), field	mg/L	9.82	7.00	13.44	6.03	6.22	9.69	6.16	7.5	---	6.92	7.88	6.54
Oxidation reduction potential (ORP), fielc	millivolts	93.1	126.1	17	8.3	49.5	58.3	22.9	59.0	10.7	75.3	38.8	19.7
pH, field	s.u.	6.89	8.77	6.52	7.09	5.91	7.57	7.28	7.32	7.44	7.19	7.39	7.31
Temperature, ambient	Deg C	---	---	60	60	60	60	21	24	---	---	15.6	10
Temperature, field	Deg C	10.06	8.7	10.98	9.92	13.17	10.5	11	11.05	11.1	10.38	11.2	11.0
Turbidity, field	NTU	70.4	3.73	7.84	12.69	6.23	6.23	57.37	21.52	34.8	23.4	52.6	47.00

Table 11. Logan Wash Monitoring Well Analytical Data

SampleID		LW-22A	LW-22A	LW-22A	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-BIG SEEP	LW-Research Trib
SampleDate		5/23/2018	10/31/2018	05/20/2019	5/12/2015	10/14/2015	5/23/2016	10/4/2016	5/1/2017	10/11/2017	5/29/2018	10/22/2018	05/22/2019	5/12/2015
Parameters	Units													
General Chemistry														
Alkalinity, Bicarbonate (as CaCO3)	mg/L	338 J3	436	455	240	260 B	288	228	243	252	257	246	260	280
Alkalinity, Carbonate (as CaCO3)	mg/L	20 U	2.71 U	2.71 U	36	16	2.71 U	17.4 J	7.72 J	7.98 J	15.8 J	8.18 J	12.8 J	32
Alkalinity, Total (As CaCO3)	mg/L	338 J3	436	455	280	280 B	290	246 J	251	260	273	254	272	320
Ammonia	mg/L	0.1 U	0.0317 U	0.0317 U	0.1 U	0.1 U	0.038 U	0.038 U	0.059 U	0.0317 U	0.1 U	0.0317 U	0.0317 U	0.1 U
Bromide	mg/L	1 U	0.395 U	1.58 U	0.5 U	0.5 U	0.079 U	R	1.58 U	0.079 U	1 U	0.79 U	0.79 U	0.5 U
Chemical Oxygen Demand (COD)	mg/L	12.7	9.08 J	13.5	15	2.7 J	12.2	54.6	4.94 J	10.6	6.66 J	3 U	5.35 J	10 U
Chloride	mg/L	14.9	14.8	15.2	7.2	7.8	7.85	8.98	10	11.3	11.9	10.6	7.57	50
Specific Conductivity	umhos/cm	2390	2500	2410	1400	1700	1400	1620	1560	1920	1980	9030	1320	1600
Cyanide (free)	mg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoride	mg/L	0.568	0.66	---	---	---	0.0895 J	0.0538 J	0.0733 J	0.0689 J	0.111	0.122	---	---
Fluoride (dissolved)	mg/L	---	---	0.656	0.14	0.086 J	---	---	---	---	---	---	0.102	0.2
Hardness	mg/L	825000 B	832	919	600	720	561	605	673	832	757	698	535	660
Nitrate (as N)	mg/L	7.36	8.62	8.36	0.53	0.07 J	0.511	0.276	0.454 UJ	0.291	0.1 U	0.214	0.395	2.2
Nitrite (as N)	mg/L	0.1 U	0.0277 U	0.0277 U	0.05 U	0.05 U	0.0277 U	0.0277 U	0.0277 U	0.0277 U	0.1 U	0.0277 U	0.0277 U	0.05 U
Oil and Grease, Total	mg/L	---	---	1.29 U	---	---	---	---	---	---	---	---	1.16 U	---
Oil and grease (HEM), polar	mg/L	---	---	---	4.3 U	4 U	---	---	---	---	---	---	---	4.5 U
Oil and grease (HEM), total	mg/L	5.56 U	1.16 U	---	---	---	1.16 U	1.16 U	1.16 U	1.16 U	5.05 U	1.16 U	---	---
pH	s.u.	7.41 T8	7.52 J	7.54 J	8.57 J	8.52 HF	7.72 J	8.55 J	8.35 J	8.4 J	8.45 T8	8.38 J	8.57	8.55 J
Phenolics (Total)	mg/L	0.0443	0.0083 U	0.0083 U	0.01 U	0.01 U	0.0083 U	0.013 U	0.0083 U	0.0083 U	0.04	0.0083 U	0.0164 U	0.01 U
Phosphorus as P, total	mg/L	0.0558 JB	0.165 U	0.396 J	0.1 U	0.1 U	0.048 J	0.035 U	0.0362 J	2.96	0.1 U	0.0473 U	0.035 U	0.1 U
Silica	mg/L	25.9	21	20.2	---	---	18.5	17.9	18.9	20.3	20.3	17.5	15	---
Sulfate	mg/L	1020	993	982	580	630	472	704	607	755	1080	849	461	580
Sulfide	mg/L	0.05 U	0.0065 U	0.0065 U	3 U	1.2 J	0.0065 U	0.030 J	0.0065 U	0.0065 U	0.05 U	0.0065 U	0.014 J	0.7 J
Sulfite	mg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Thiocyanate	mg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Thiosulfate	mg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Dissolved Solids (TDS)	mg/L	1650	1850	2010	1100	1400	1100	1110	1170	1530 0	1480	1450	956	1300
Nitrogen, Total Kjeldahl	mg/L	0.25 U	0.55	0.35 U	2.7 J	5 U	0.444	0.255	0.101 J	0.259 U	0.190 J6	0.254 J	0.211 U	3.3 J
Total Organic Carbon (TOC)	mg/L	---	---	5.44	3.6	3	43.4	3.23	2.87	3.47 0	---	---	3.65	11
Total Pet_ Hydrocarbons	mg/L			---									---	
Total Suspended Solids (TSS)	mg/L	5.23	5.59	---	---	---	---	---	---	---	3.78	3.5	---	---
Dissolved Organic Carbon (DOC)	mg/L	5.22	5.25	5.46	9.5	3.7	22.5	3.38	3.13	3.62	3.53	3.74	3.57	16

Table 11. Logan Wash Monitoring Well Analytical Data

SampleID		LW-22A	LW-22A	LW-22A	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-BIG SEEP	LW-Research Trib
SampleDate		5/23/2018	10/31/2018	05/20/2019	5/12/2015	10/14/2015	5/23/2016	10/4/2016	5/1/2017	10/11/2017	5/29/2018	10/22/2018	05/22/2019	5/12/2015
Parameters	Units													
Metals														
Arsenic	ug/L	3.46	2.49	0.930 J	4.5	4.3	3.9	3.9	4.44	4.68	5.55	5.28	3.48	4.2
Arsenic (Dissolved)	ug/L	1.96	1.09	2.09	5	4.1	3.55	3.75	6.15	6.1	5.59	4.87	3.99	4.4
Boron	ug/L	---	---	---	48	70	---	---	---	---	---	---	---	100
Boron (Dissolved)	ug/L	2960	2690	2550	---	---	89.6	74.9	624	93 J	111	153 J	172 J	---
Cadmium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium (Dissolved)	ug/L	1.00 U	0.220 U	0.220 U	1 U	1 U	0.220 U	0.220 U	0.220 U	0.22 U	1.00 U	0.220 U	0.220 U	1 U
Calcium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Calcium (Dissolved)	ug/L	148000	136000	157000	87000	95000 B	95000	112000	98900	106000	112000	116000	99500	110000
Chromium	ug/L	1.13 B	0.830 J	0.320 U	0.46 J	0.76 J	1.18	1.02 U	0.320 U	0.701 J	0.441 J	0.840 J	1.17	0.74 J
Chromium (Dissolved)	ug/L	0.602 B J	0.320 U	1.30	0.52 J	0.89 J	1.01	1.20 U	0.704 J	0.686 J	0.572 J	0.471 U	1.26	0.58 J
Chromium III	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium VI	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper (Dissolved)	ug/L	4.4	3.34	3.18	1.7 J	2.2	1.4	1.26	8.95	2.5	3.33	1.82	2.20	3.4
Iron	ug/L	4210	3340	77.2 J	15 J	50 U	15.0 U	74.6 J	15.0 U	15 U	100 U	121	39.1 J	120
Iron (Dissolved)	ug/L	157 B	182	76.6 J	10 J	50 U	15.0 U	15.0 U	15.0 U	15 U	100 U	15.0 U	15.0 U	12 J
Lead	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead (Dissolved)	ug/L	1.00 U	0.260 U	0.535 J	1 U	0.066 J	0.260 U	0.260 U	0.260 U	0.26 U	1.00 U	0.260 U	0.260 U	1 U
Lithium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium (Dissolved)	ug/L	112	118	112	44 J	51	53	53.3	58.4	56.1	66.3	59.7	42.1	35 J
Magnesium	ug/L	---	---	---	---	---	---	---	---		---	---	---	---
Magnesium (Dissolved)	ug/L	133000	126000	135000	69000	89000 B	75600	104000	103000	117000	133000	121000	76400	78000
Manganese	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese (Dissolved)	ug/L	23.8	28.4	35.6	0.9 J	0.11 JB	0.611 J	1.11 J	0.510 U	0.561 J	5.00 U	44.8	0.510 U	1.3 J
Mercury	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury (Dissolved)	ug/L	0.200 U	0.0490 U	0.0490 U	0.2 U	0.2 U	0.0490 U	0.0490 U	0.0490 U	0.049 U	0.0614 B J	0.0490 U	0.341	0.2 U
Molybdenum (Dissolved)	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel (Dissolved)	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Potassium (Dissolved)	ug/L	4470	3940	4620	950	1200	1070	1040	1550	1470	1350	2040	1170	1600

Table 11. Logan Wash Monitoring Well Analytical Data

SampleID		LW-22A	LW-22A	LW-22A	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-Big Seep	LW-BIG SEEP	LW-Research Trib
SampleDate		5/23/2018	10/31/2018	05/20/2019	5/12/2015	10/14/2015	5/23/2016	10/4/2016	5/1/2017	10/11/2017	5/29/2018	10/22/2018	05/22/2019	5/12/2015
Parameters	Units													
Metals														
Selenium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium (Dissolved)	ug/L	22.1	18.5	22.6	3.5 J	1.9 J	2.56	1.80 J	1.73 J	1.74 J	1.88 J	1.56 J	2.21	7.7
Silicon	ug/L	12100	9800	9420	---	---	8620	8350	8850	9470	9480	8170	7000	---
Silicon (Dissolved)	ug/L	---	---	---	7200	7800	---	---	---	---	---	---	---	8200
Silver	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver (Dissolved)	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium (Dissolved)	ug/L	296000	281000	303000	100000	120000	114000	138000	144000	148000	182000	166000	120000	110000
Strontium	ug/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Strontium (Dissolved)	ug/L	3390	2960	3550	3800	4500	3970	5450	5680	5830	6320	5050	4250	3000
Uranium (Dissolved)	ug/L	---	---	---	---	---	---	---	---		---	---	---	---
Zinc	ug/L	---	---	---	---	---	---	---	---		---	---	---	---
Zinc (Dissolved)	ug/L	17	6.64 J	26.4	0.94 J	1.5 JB	2.51 U	4.00 J	2.83 J	2.52 U	10.0 U	12.2	3.07 J	0.43 J
Volatile Organic Compounds - BTEX														
Benzene	ug/L	1.00 U	0.331 U	0.331 U	5 U	5 U	0.331 U	0.331 U	0.331 U	0.331 U	1.00 U	0.331 U	0.331 U	5 U
Ethylbenzene	ug/L	1.00 U	0.384 U	0.384 U	5 U	5 U	0.384 U	0.384 U	0.384 U	0.384 U	1.00 U	0.384 U	0.384 U	5 U
Toluene	ug/L	1.00 U	0.412 U	0.412 U	5 U	5 U	0.780 U	0.780 U	0.412 U	0.412 U	1.00 U	0.412 U	0.412 U	5 U
Xylenes, Total	ug/L	3.00 U	1.06 U	1.06 U	10 U	10 U	1.06 U	1.06 U	1.06 U	1.06 U	3.00 U	1.06 U	1.06 U	10 U
Petroleum Products														
Diesel fuel	mg/L	0.0293 J	0.0362 J	0.0471 J	0.48 U	0.22 J	0.0526 J	0.0458 J	0.0781 J	0.0247 U	0.0717 B J	0.0610 J	0.029 J	0.5 U
TPH - Extractable (DRO)	mg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH (non-polar)	mg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
TPH (C21 - C28)	mg/L	---	---	---	---	---	---	---	---	---	---	---	---	---
Radiology														
Gross Alpha Analytes	pci/l	---	---	---	---	---	---	---	---	---	---	---	---	---
Gross Beta Analytes	pci/l	---	---	---	---	---	---	---	---	---	---	---	---	---
Field Parameters														
Specific conductivity, field	umhos/cm	2548	2455	2451	1445	1098	896	923	1542	1826	1946	1941	1296	1627
Dissolved oxygen (DO), field	mg/L	7.42	6.46	1.84	8.52	8.44	11.1	13.75	8.57	7.25	9.21	9.24	13.73	7.24
Oxidation reduction potential (ORP), fielc	millivolts	-14.0	87.5	37.4	341.3	306.8	343.6	234.7	257	185	129.3	150.5	21	222.6
pH, field	s.u.	6.89	6.95	7.12	8.25	6.51	6.25	6.57	6.16	8.31	7.22	6.43	--	8.35
Temperature, ambient	Deg C	---	---	60	16	24	---	---	15.6	15.6	---	---	60	16
Temperature, field	Deg C	11.1	11.3	11.35	10.39	8.9	4.62	1.7	6.4	7.9	8.56	10.1	6.93	10.71
Turbidity, field	NTU	70.4	43.18	22.51	2.89	1.48	---	4.51	1.42	0.87	0.98	0.19	1.21	2.67