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 CMOC Mining Pty Ltd
 SC Mineral Resources Pty Ltd

EPL No.: 4784

Sampled: Q1: 22/03/2019, Q2: 25/06/2019, Q3: 30/09/2019, Q4: 6/12/2019
Obtained: 9/04/2019, 11/07/2019, 17/10/2019, 20/12/2019
Published: 23/04/2019, 24/07/2019, 28/10/2019, 6/01/2020

EPA Identification no.	Minimum Frequency	Pollutant	Unit	Sample Result			
				Q1	Q2	Q3	Q4
1 (W14)	Yearly	Aluminum	mg/L	0.03	0.03	0.04	0.01
	Yearly	Arsenic	mg/L	0.001	0.001	0.001	0.001
	Yearly	Barium	mg/L	0.014	0.017	0.026	0.013
	Yearly	Beryllium	mg/L	0.001	0.001	0.001	0.001
	Yearly	Bicarbonate	mg/L	394	410	431	455
	Yearly	Cadmium	mg/L	0.0002	0.0002	0.0002	0.0002
	Yearly	Calcium	mg/L	188	183	171	166
	Yearly	Chloride	mg/L	2460	1790	1960	2210
	Yearly	Chromium	mg/L	0.001	0.001	0.002	0.001
	Yearly	Cobalt	mg/L	0.001	0.001	0.001	0.001
	Quarterly	Conductivity	µS/cm	9722	9043	7409	7754
	Quarterly	Copper	mg/L	0.01	0.01	0.01	0.003
	Yearly	Lead	mg/L	0.002	0.002	0.002	0.001
	Yearly	Magnesium	mg/L	273	257	270	262
	Yearly	Molybdenum	mg/L	0.01	0.011	0.013	0.012
	Yearly	Nickel	mg/L	0.001	0.001	0.001	0.001
	Quarterly	pH	pH	7.08	7.36	7.26	7.35
	Yearly	Potassium	mg/L	4	4	4	4
	Yearly	Selenium	mg/L	0.02	0.01	0.01	0.01
	Yearly	Sodium	mg/L	1420	1360	1440	1410
Quarterly	Standing Water Level	m	264.26	264.50	264.74	264.86	
Yearly	Sulfate	mg/L	1240	1220	1410	1380	
Yearly	Total dissolved solids	mg/L	5120	5950	5680	7770	
Yearly	Zinc	mg/L	0.053	0.043	0.07	0.02	

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EPA Identification no.	Monitoring Frequency	Pollutant	Unit	Sample Result			
				Q1	Q2	Q3	Q4
2 (W19)	Yearly	Aluminum	mg/L	0.02	0.02	0.03	0.01
	Yearly	Arsenic	mg/L	0.001	0.001	0.001	0.001
	Yearly	Barium	mg/L	0.138	0.133	0.127	0.133
	Yearly	Beryllium	mg/L	0.001	0.001	0.001	0.001
	Yearly	Bicarbonate	mg/L	184	149	207	222
	Yearly	Cadmium	mg/L	0.0001	0.0001	0.0001	0.0001
	Yearly	Calcium	mg/L	452	453	427	458
	Yearly	Chloride	mg/L	1640	1510	1430	1510
	Yearly	Chromium	mg/L	0.004	0.002	0.003	0.004
	Yearly	Cobalt	mg/L	0.001	0.001	0.001	0.001
	Quarterly	Conductivity	µS/cm	6634	6390	7440	5798
	Quarterly	Copper	mg/L	0.014	0.011	0.014	0.012
	Yearly	Lead	mg/L	0.001	0.001	0.001	0.001
	Yearly	Magnesium	mg/L	112	112	107	116
	Yearly	Molybdenum	mg/L	0.005	0.005	0.006	0.005
	Yearly	Nickel	mg/L	0.001	0.001	0.001	0.001
	Quarterly	pH	pH	7.38	7.52	7.7	7.57
	Yearly	Potassium	mg/L	7	7	8	9
	Yearly	Selenium	mg/L	0.01	0.01	0.01	0.01
	Yearly	Sodium	mg/L	712	703	679	747
Quarterly	Standing Water Level	m	246.38	246.51	246.92	247.03	
Yearly	Sulfate	mg/L	589	465	491	468	
Yearly	Total dissolved solids	mg/L	5160	4380	4580	4930	
Yearly	Zinc	mg/L	0.053	0.044	0.086	0.031	

	Q1	Q2	Q3	Q4
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				Q1	Q2	Q3	Q4
3 (W21)	Yearly	Aluminum	mg/L	0.1	0.04	0.02	0.03
	Yearly	Arsenic	mg/L	0.001	0.001	0.001	0.001
	Yearly	Barium	mg/L	0.092	0.093	0.087	0.104
	Yearly	Beryllium	mg/L	0.001	0.001	0.001	0.001
	Yearly	Bicarbonate	mg/L	1	2	1	11
	Yearly	Cadmium	mg/L	0.0001	0.0001	0.0001	0.0001
	Yearly	Calcium	mg/L	950	959	987	1050
	Yearly	Chloride	mg/L	4880	4560	5070	4840
	Yearly	Chromium	mg/L	0.001	0.001	0.001	0.001
	Yearly	Cobalt	mg/L	0.001	0.001	0.002	0.001
	Quarterly	Conductivity	µS/cm	15831	14610	12532	13746
	Quarterly	Copper	mg/L	0.019	0.01	0.006	0.004
	Yearly	Lead	mg/L	0.002	0.001	0.001	0.001
	Yearly	Magnesium	mg/L	3	4	3	3
	Yearly	Molybdenum	mg/L	0.029	0.03	0.032	0.03
	Yearly	Nickel	mg/L	0.001	0.001	0.001	0.001
	Quarterly	pH	pH	10.67	10.91	10.8	10.97
	Yearly	Potassium	mg/L	32	32	32	35
	Yearly	Selenium	mg/L	0.01	0.01	0.01	0.01
	Yearly	Sodium	mg/L	2080	2110	2120	2320
Quarterly	Standing Water Level	m	268.30	268.34	268.50	268.59	
Yearly	Sulfate	mg/L	844	853	801	991	
Yearly	Total dissolved solids	mg/L	10300	11300	9410	12500	
Yearly	Zinc	mg/L	0.043	0.027	0.009	0.005	

	Q1	Q2	Q3	Q4
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				Q1	Q2	Q3	Q4
4 (W23)	Yearly	Aluminum	mg/L	0.05	0.03	0.02	0.03
	Yearly	Arsenic	mg/L	0.001	0.001	0.001	0.001
	Yearly	Barium	mg/L	0.04	0.05	0.034	0.036
	Yearly	Beryllium	mg/L	0.001	0.001	0.001	0.001
	Yearly	Bicarbonate	mg/L	360	397	380	390
	Yearly	Cadmium	mg/L	0.0003	0.0006	0.0003	0.0003
	Yearly	Calcium	mg/L	484	504	521	496
	Yearly	Chloride	mg/L	6460	6290	6320	6500
	Yearly	Chromium	mg/L	0.001	0.001	0.001	0.001
	Yearly	Cobalt	mg/L	0.291	0.23	0.273	0.291
	Quarterly	Conductivity	µS/cm	21317	20580	16847	18516
	Quarterly	Copper	mg/L	0.058	0.049	0.011	0.013
	Yearly	Lead	mg/L	0.001	0.001	0.001	0.001
	Yearly	Magnesium	mg/L	707	752	760	765
	Yearly	Molybdenum	mg/L	0.005	0.005	0.005	0.005
	Yearly	Nickel	mg/L	0.001	0.001	0.001	0.002
	Quarterly	pH	pH	6.83	6.87	6.9	6.95
	Yearly	Potassium	mg/L	7	8	6	7
	Yearly	Selenium	mg/L	0.02	0.02	0.02	0.02
	Yearly	Sodium	mg/L	2850	2970	2940	3000
Quarterly	Standing Water Level	m	258.90	259.15	259.43	259.53	
Yearly	Sulfate	mg/L	1900	1860	2040	2080	
Yearly	Total dissolved solids	mg/L	14200	14500	14600	15400	
Yearly	Zinc	mg/L	0.262	0.298	0.072	0.049	

	Q1	Q2	Q3	Q4
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				Q1	Q2	Q3	Q4
5 (W25)	Yearly	Aluminum	mg/L	0.06	0.02	0.02	0.01
	Yearly	Arsenic	mg/L	0.001	0.001	0.001	0.001
	Yearly	Barium	mg/L	0.011	0.011	0.013	0.012
	Yearly	Beryllium	mg/L	0.001	0.001	0.001	0.001
	Yearly	Bicarbonate	mg/L	163	166	184	190
	Yearly	Cadmium	mg/L	0.0001	0.0001	0.0001	0.0001
	Yearly	Calcium	mg/L	78	80	79	98
	Yearly	Chloride	mg/L	41	40	44	41
	Yearly	Chromium	mg/L	0.001	0.001	0.001	0.001
	Yearly	Cobalt	mg/L	0.001	0.001	0.001	0.001
	Quarterly	Conductivity	µS/cm	1613	1519	1642	1369
	Quarterly	Copper	mg/L	0.019	0.019	0.015	0.011
	Yearly	Lead	mg/L	0.001	0.001	0.001	0.001
	Yearly	Magnesium	mg/L	60	63	60	71
	Yearly	Molybdenum	mg/L	0.001	0.001	0.001	0.001
	Yearly	Nickel	mg/L	0.001	0.001	0.001	0.001
	Quarterly	pH	pH	7.9	8.07	8.32	8.19
	Yearly	Potassium	mg/L	3	3	3	3
	Yearly	Selenium	mg/L	0.02	0.02	0.02	0.02
	Yearly	Sodium	mg/L	151	157	146	166
Quarterly	Standing Water Level	m	282.75	281.93	280.41	279.86	
Yearly	Sulfate	mg/L	512	502	588	530	
Yearly	Total dissolved solids	mg/L	1040	1010	949	1100	
Yearly	Zinc	mg/L	0.065	0.02	0.026	0.013	

	Q1	Q2	Q3	Q4
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				Q1	Q2	Q3	Q4
6 (W20)	Yearly	Aluminum	mg/L	0.03	0.03	0.02	0.02
	Yearly	Arsenic	mg/L	0.001	0.001	0.001	0.001
	Yearly	Barium	mg/L	0.011	0.012	0.009	0.014
	Yearly	Beryllium	mg/L	0.001	0.001	0.001	0.001
	Yearly	Bicarbonate	mg/L	422	452	440	472
	Yearly	Cadmium	mg/L	0.0003	0.0005	0.0004	0.0004
	Yearly	Calcium	mg/L	348	365	360	375
	Yearly	Chloride	mg/L	4560	4240	4590	4400
	Yearly	Chromium	mg/L	0.001	0.001	0.001	0.001
	Yearly	Cobalt	mg/L	0.003	0.002	0.003	0.003
	Quarterly	Conductivity	µS/cm	15605	14745	12584	13483
	Quarterly	Copper	mg/L	0.008	0.01	0.008	0.005
	Yearly	Lead	mg/L	0.001	0.001	0.001	0.001
	Yearly	Magnesium	mg/L	377	405	398	407
	Yearly	Molybdenum	mg/L	0.002	0.003	0.002	0.003
	Yearly	Nickel	mg/L	0.001	0.001	0.001	0.001
	Quarterly	pH	pH	6.89	6.92	7.2	7.14
	Yearly	Potassium	mg/L	8	9	8	9
	Yearly	Selenium	mg/L	0.01	0.01	0.01	0.01
	Yearly	Sodium	mg/L	2230	2320	2300	2390
Quarterly	Standing Water Level	m	266.11	266.10	266.28	266.45	
Yearly	Sulfate	mg/L	1460	1590	1580	1760	
Yearly	Total dissolved solids	mg/L	9520	9820	9360	10100	
Yearly	Zinc	mg/L	0.088	0.072	0.041	0.061	