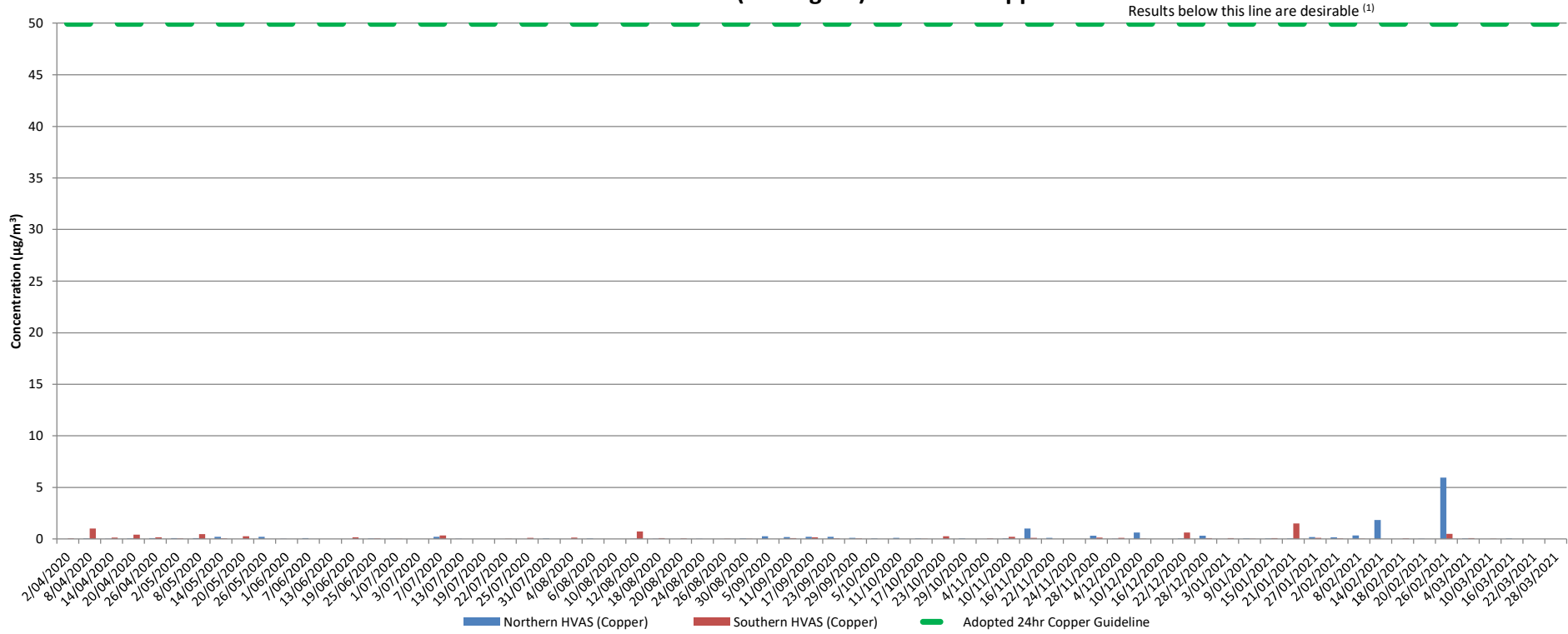
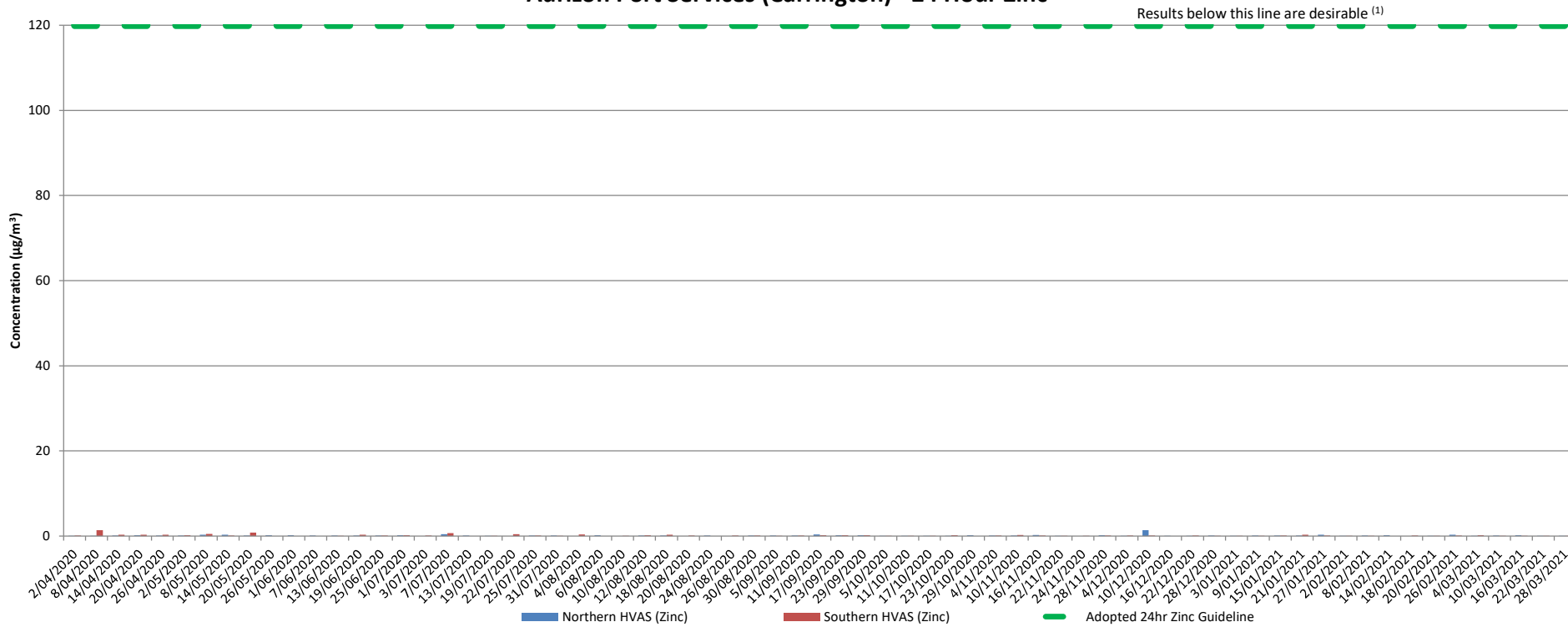


Aurizon Port Services (Carrington) - 24 Hour Copper



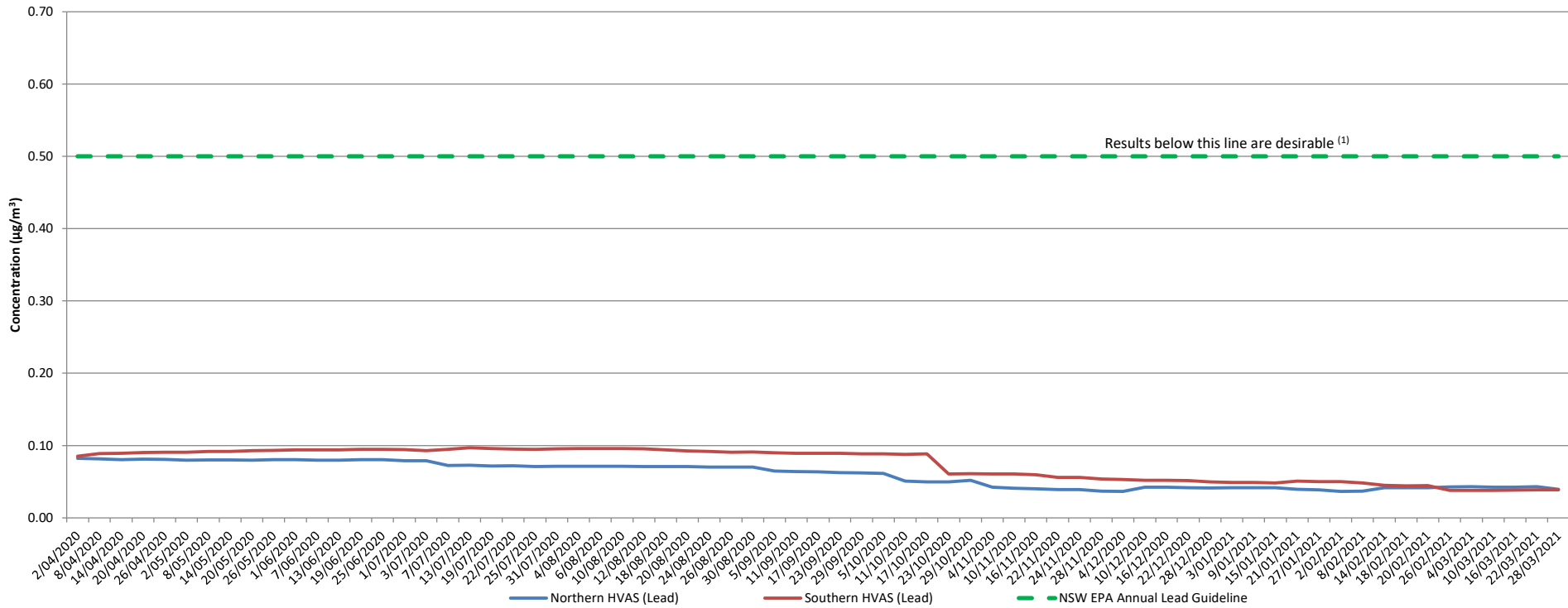
⁽¹⁾There is no available Australian guideline, adopted Ontario Ministry of Environment, Canada, ambient air criterion 24 hr Copper guideline

Aurizon Port Services (Carrington) - 24 Hour Zinc



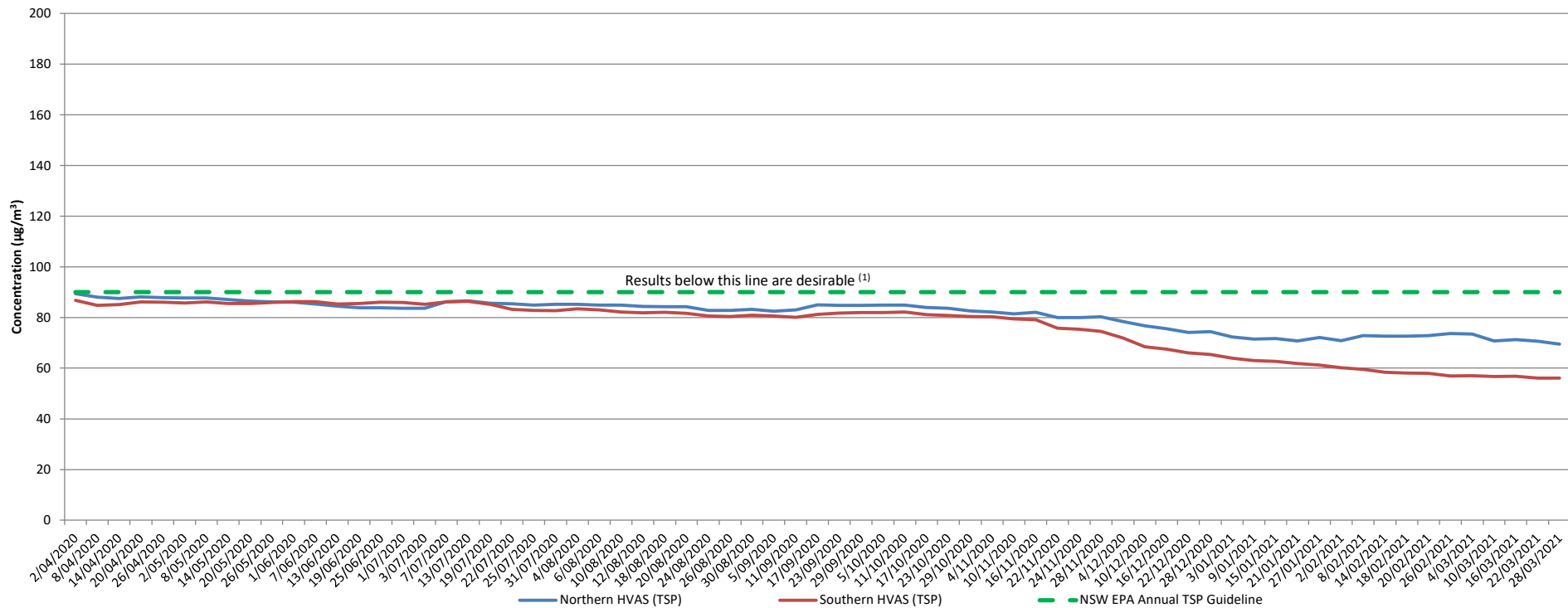
⁽¹⁾There is no available Australian guideline, adopted Ontario Ministry of Environment, Canada, ambient air criterion 24 hr Zinc guideline

Aurizon Port Services (Carrington) - 24 Hr Lead - 12 Month Rolling Average



⁽¹⁾ DECCW NSW, 2005 Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales

Aurizon Port Services (Carrington) - 24 Hr Total Suspended Particles - 12 Month Rolling Average



⁽¹⁾ DECCW NSW, 2005 Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales

Aurizon Port Services (Carrington) - Air Monitoring HVAS Results

HVAS Run Date	North HVAS TSP (µg/m ³)	North HVAS Copper (µg/m ³)	North HVAS Lead (µg/m ³)	North HVAS Zinc (µg/m ³)	South HVAS TSP (µg/m ³)	South HVAS Copper (µg/m ³)	South HVAS Lead (µg/m ³)	South HVAS Zinc (µg/m ³)	Data Comments
28/03/2021	61.6	0.025	0.009	0.06	42.2	0.029	0.010	0.054	
22/03/2021	28.9	0.006	<0.007	0.04	26.4	0.007	<0.007	0.022	
16/03/2021	63.2	0.053	0.016	0.21	31.1	0.018	<0.007	0.051	
10/03/2021	36.1	0.027	<0.007	0.12	11.3	0.033	0.010	0.032	
4/03/2021	62.7	0.078	<0.007	0.05	59.5	0.089	0.023	0.198	
26/02/2021	125.0	5.950	0.076	0.32	81.0	0.504	0.028	0.145	
20/02/2021	64.7	0.034	<0.007	0.03	45.9	0.029	<0.007	0.020	
18/02/2021	-	-	-	-	44.6	0.050	0.014	0.086	Catch up run at South Sampler
14/02/2021	80.4	1.840	0.340	0.21	DNR	DNR	DNR	DNR	South sample paper damaged and not analysed
8/02/2021	190.0	0.341	0.018	0.10	33.2	0.035	<0.007	0.036	
2/02/2021	50.7	0.169	0.025	0.06	45.9	0.049	<0.007	0.044	
27/01/2021	184.0	0.183	0.046	0.29	60.9	0.118	0.014	0.086	
21/01/2021	65.2	0.066	0.009	0.10	79.5	1.520	0.173	0.287	
15/01/2021	72.6	0.078	0.012	0.07	78.7	0.094	0.019	0.096	
13/01/2021	-	-	-	-	26.3	0.196	0.010	0.031	0.000
9/01/2021	88.6	0.074	0.070	0.14	33.7	0.038	0.007	0.040	
3/01/2021	35.7	0.022	<0.007	0.02	36.6	0.081	0.008	0.026	
28/12/2020	79.9	0.327	0.014	0.08	43.6	0.080	0.008	0.042	
22/12/2020	27.8	0.048	0.009	0.05	27.6	0.626	0.018	0.148	
16/12/2020	43.0	0.012	<0.007	0.02	DNR	DNR	DNR	DNR	South sampler failed to run for full 24hrs
10/12/2020	110.0	0.620	0.399	1.35	65.9	0.037	0.015	0.111	
4/12/2020	57.7	0.035	0.008	0.04	55.2	0.114	0.022	0.112	
28/11/2020	143.0	0.317	0.040	0.18	121.0	0.139	0.019	0.125	
24/11/2020	-	-	-	-	48.7	0.025	<0.007	0.040	Catch up run at South Sampler
22/11/2020	61.8	0.107	0.008	0.05	52.9	0.024	<0.007	0.047	
16/11/2020	110.0	1.020	0.057	0.24	67.4	0.114	0.019	0.117	
10/11/2020	42.5	0.063	0.018	0.09	29.0	0.225	0.042	0.243	
4/11/2020	49.0	0.029	0.018	0.07	44.1	0.061	0.044	0.108	
29/10/2020	25.1	0.055	0.126	0.22	-	-	-	-	Portion of South sample paper missing due to high winds
23/10/2020	37.5	0.020	<0.007	0.02	59.2	0.250	0.033	0.224	
17/10/2020	64.7	0.072	0.011	0.05	39.7	0.032	<0.007	0.061	
11/10/2020	45.0	0.109	0.011	0.05	38.2	0.021	0.010	0.064	
5/10/2020	58.0	0.048	0.009	0.05	57.7	0.026	0.012	0.064	
29/09/2020	69.2	0.101	0.021	0.18	71.2	0.068	0.021	0.162	
23/09/2020	85.2	0.201	0.021	0.21	71.9	0.054	0.018	0.161	
17/09/2020	191.0	0.227	0.064	0.37	113.0	0.148	0.040	0.228	
11/09/2020	443C	0.192	0.011	0.12	31.5	0.096	0.010	0.088	North deemed not representative and removed from the annual average
5/09/2020	39.5	0.271	0.033	0.13	40.0	0.029	0.016	0.068	

Aurizon Port Services (Carrington) - Air Monitoring HVAS Results (continued from previous page)

HVAS Run Date	North HVAS TSP (µg/m ³)	North HVAS Copper (µg/m ³)	North HVAS Lead (µg/m ³)	North HVAS Zinc (µg/m ³)	South HVAS TSP (µg/m ³)	South HVAS Copper (µg/m ³)	South HVAS Lead (µg/m ³)	South HVAS Zinc (µg/m ³)	Data Comments
18/08/2020	63.0	0.040	0.016	0.13	78.5	0.087	0.034	0.291	
12/08/2020	58.8	0.037	0.018	0.14	58.6	0.721	0.039	0.202	
10/08/2020	-	-	-	-	31.0	0.007	<0.007	0.021	Catch up run at South Sampler
6/08/2020	62.9	0.055	0.018	0.17	DNR	DNR	DNR	DNR	South Sampler did not run
4/08/2020	-	-	-	-	128.0	0.146	0.122	0.395	Catch up run at South Sampler
31/07/2020	68.3	0.049	0.026	0.10	42.0	0.016	0.055	0.015	
25/07/2020	37.7	0.024	0.016	0.08	43.4	0.107	0.016	0.090	
22/07/2020	-	-	-	-	72.0	0.041	0.023	0.400	Catch up run at South Sampler
19/07/2020	39.7	0.016	0.010	0.05	30.1	0.025	0.013	0.070	
13/07/2020	49.3	0.039	0.013	0.09	DNR	DNR	DNR	DNR	Asphalting around sampling
7/07/2020	225.0	0.229	0.043	0.46	104.0	0.350	0.116	0.713	
3/07/2020	-	-	-	-	38.8	0.025	0.015	0.091	Catch up run at South Sampler
1/07/2020	71.3	0.034	0.015	0.23	87.9	0.034	0.020	0.162	
25/06/2020	83.3	0.058	0.021	0.15	49.9	0.063	0.026	0.139	
19/06/2020	47.9	0.023	<0.007	0.13	50.5	0.160	0.054	0.289	
13/06/2020	31.2	0.012	<0.007	0.10	30.4	0.011	<0.007	0.005	
7/06/2020	46.0	0.089	0.029	0.09	DNR	DNR	DNR	DNR	South sampler DNR - Electrical power issue
1/06/2020	61.4	0.040	0.020	0.18	DNR	DNR	DNR	DNR	South sampler DNR - Electrical power issue
26/05/2020	40.7	0.229	0.059	0.19	DNR	DNR	DNR	DNR	South sampler DNR - Electrical power issue
20/05/2020	30.8	0.021	0.007	0.14	64.2	0.280	0.110	0.812	
14/05/2020	50.3	0.200	0.034	0.28	34.2	0.076	0.020	0.142	