

PRESTON NEW ROAD - CARR BRIDGE BROOK UPSTREAM 2018/19 DATA	Q2 2018						Q3 2018						Q4 2018						Q1 2019 & Partial Q2 2019									
	06/04/2018	20/04/2018	03/05/2018	17/05/2018	01/06/2018	13/06/2018	03/07/2018	17/07/2018	06/08/2018	16/08/2018	10/09/2018	28/09/2018	08/10/2018	08/10/2018	25/10/2018	15/11/2018	30/11/2018	10/12/2018	27/12/2018	03/01/2019	15/01/2019	06/02/2019	18/02/2019	06/03/2019	21/03/2019	12/04/2019	24/04/2019	07/05/2019
1,2-Dimethylbenzene :- {o-Xylene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
1,3,5-Trichlorobenzene ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
1,3,5-Trimethylbenzene :- {Mesitylene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
1,3-Dichlorobenzene ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
1,3-Dichloropropane ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
1,4-Dichlorobenzene ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
2,2-Dichloropropane ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
2-Chlorotoluene :- {1-Chloro-2-methylbenzene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
3-Chlorotoluene :- {3-Chloromethylbenzene } ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
4-Chlorotoluene :- {1-Chloro-4-methylbenzene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
4-Isopropyltoluene :- {4-methyl-Isopropylbenzene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Acenaphthene ug/l	<.01	<.01	0.017 7	<.01	<.01	0.013 5	<.01	0.013 7	0.019 5	0.031 3	0.044 4	0.011 3	0.012 2	0.012 2	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Acenaphthylene ug/l	<.01	<.01	<.01		<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	0.015 2	<.01
Acrylamide ug/l	<.008	<.008	<.05	<.008	<.05	<.15		<.1	<.1	<.05	<.008	<.008	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.008	<.05	<.008	<.05	<.008	<.008	<.05	<.05
Alkalinity to pH 4.5 as CaCO3 mg/l	92	149	87	150	95	138	169	151	168	123	151	140	148	148	150	120	96	83	91	107	122	96	96	106	93	132	92	131
Aluminium ug/l	2330	2500	1350	660	1750	13600	2280	1180	1120	283	190	1040	83	83	69.2	595	978	9040	990	5420	2280	1660	622	4960	888	3410	829	1190
Aluminium, Dissolved ug/l	87.1	31.1	42.4	19.4	17.3	14.8	22.6	17.4	12.1	25.4	13.9	13	11.6	11.6	17.7	33.4	43	43.3	50.8	45.5	24.8	53.1	42.2	1620	44.7	23.6	18	25.3
Ammoniacal Nitrogen as N mg/l	0.431	2.91	0.82	3.3	1.47	3.26	3.3	4.24	4.53	1.48	2.23	1.96	1.79	1.79	1.96	0.607	0.433	0.231	0.499	1.02	1.15	0.335	0.467	0.339	0.383	4.37	0.616	3.41

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Bromobenzene ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Bromochloromethane ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Bromodichloromethane ug/l	<.1	0.47	3.21	0.53	1.67	0.26	0.18	0.26	0.25	0.2	0.18	0.39	0.3	0.3	0.21	0.14	0.11	<.1	<.1	<.1	0.33	0.12	0.25	0.15	<.1	0.31	1.08	0.43
Bromoform :- {Tribromomethane} ug/l	<.1	<.1	0.13	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Cadmium ug/l	<.1	0.112	<.1	<.1	<.1	0.615	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	0.482	<.1	0.195	0.13	<.1	<.1	0.199	<.1	0.211	<.1	<.1
Cadmium, Dissolved ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Calcium mg/l	37.4	52.8	35	52.8	39	53.5	56.5	54.8	57.6	47.3	66.8	59.9	59.2	59.2	60.8	60.6	55.9	47.5	46.1	48.7	55.6	47	47.5	45.5	42.3	48	44.1	48.6
Calcium, Dissolved mg/l	36.8	49.3	35	53.7	38.8	48.4	51.4	55.7	58.3	48.3	66.3	59.3	60	60	61	60.8	56.4	44.3	44.2	47.1	53.5	47.1	47.5	45.3	41.6	48.1	44.6	44.9
Carbon Disulphide ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Carbon tetrachloride :- {Tetrachloromethane} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Chemical Oxygen Demand :- {COD} mg/l	63	84	57	36	68	56	69	44	43	39	27	51	23	23	30	51	46	76	42	75	70	45	35	73	42	56	21	63
Chloride mg/l	43.2	40.7	31	48.1	34.4	50.9	30.8	50.4	32.2	36.8	45.3	35.6	36.8	36.8	38.6	42.3	46.6	35.7	38.1	44.3	111	69.6	57.5	37.1	40.7	40.5	70.9	46.3
Chlorobenzene ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Chlorodibromomethane ug/l	<.1	0.27	1.6	0.42	1.07	0.22	0.26	0.26	0.27	0.26	0.23	0.45	0.32	0.32	0.33	0.11	<.1	<.1	<.1	<.1	0.19	<.1	0.13	<.1	<.1	0.15	0.43	0.23
Chloroform :- {Trichloromethane} ug/l	0.21	1.01	5.54	1.19	3.26	0.64	0.31	0.45	0.41	0.33	0.27	0.51	0.44	0.44	0.36	0.27	0.26	0.12	0.18	0.2	0.77	0.34	0.63	0.35	0.22	0.89	3.59	1.24
Chloromethane :- {Methyl Chloride} ug/l	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Chromium ug/l	4.62	5.38	2.8	1.59	4.17	27.2	4.8	3.07	2.8	1.01	2.02	2.85	<.5	<.5	<.5	1.42	2.01	21.1	2.27	9.28	4.65	2.89	1.37	10.3	1.59	7.67	1.92	2.98
Chromium, Dissolved ug/l	0.641	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	0.579	0.698	0.582	0.533	<.5	0.604	<.5	3.74	<.5	0.519	<.5	<.5

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Chrysene ug/l	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
cis-1,2-Dichloroethylene :- {cis-1,2-Dichloroethene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
cis-1,3-Dichloropropylene :- {cis-1,3-Dichloropropene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Cobalt ug/l	1.32	2.33	1.09	1.2	1.59	10.2	1.75	1.05	1.2	<1	<1	1.26	<1	<1	<1	<1	<1	7.09	<1	3.25	2.05	<1	<1	3.18	<1	2.77	<1	1.45
Cobalt, Dissolved ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.16	<1	<1	<1	<1
Conductivity at 20 C uS/cm	336	451	338	499	384	504	1120	561	538	448	561	512	521	521	530	475	469	382	375	397	655	464	438	369	355	449	515	459
Conductivity at 25 C uS/cm	375	503	377	557	429	563	1250	626	600	500	626	571	582	582	592	530	523	426	419	443	731	518	489	412	396	501	575	512
Copper ug/l	10.4	10.8	7.26	5.09	9.29	53	10.3	12.2	8.23	6.54	65.2	7.38	3.03	3.03	4.75	6.97	7.13	43.7	15.8	18.3	10.3	9.38	4.97	27.8	6.34	18.8	5.3	8.16
Copper, Dissolved ug/l	6.09	2.68	3.06	2.39	1.82	1.84	3.98	5.25	1.56	4.25	29	1.77	2.21	2.21	3.45	3.95	5.32	6.88	10.1	4.22	2.97	5.59	3.49	12.5	4.87	2.24	2.13	1.8
Dibenzo(a,h)Anthracene ug/l	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01		<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Dibromomethane ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Dichloromethane :- {Methylene Dichloride} ug/l	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Dimethylbenzene : Sum of isomers (1,3-1,4-) ug/l	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Equiv.Carbon No >5-44 : (TPH) : Screen mg/l	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2		<.2	<.2	<.2													
Equiv.Carbon No >10-12 mg/l	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01			<.02	<.02	0.02		<.02	<.01	<.01	<.01	<.02	<.02	<.01	<.02	<.01	<.01	<.01	<.01
Equiv.Carbon No >10-16 mg/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1			<.02	<.02	0.03		0.11	<.01	<.01	<.01	0.03	<.02	<.01	0.05	0.01	0.01	<.01	0.01
Equiv.Carbon No >10-20 mg/l	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05	<.05			0.03	0.03	0.06		0.03	0.02	<.01	0.02	0.11	<.02	0.02	0.22	0.04	0.03	0.02	0.04
Equiv.Carbon No >10-24 mg/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1			0.04	0.04	0.07		0.06	0.03	<.01	0.03	0.16	<.02	0.04	0.29	0.05	0.04	0.05	0.06

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Equiv. Carbon No >5-40 mg/l	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4	< .4						< .01	< .01		0.05	0.6	< .02	0.08	0.41	0.09	0.08	0.12	0.14	
Equiv. Carbon No >5-44 mg/l	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5						< .01	< .01		0.06	0.63	< .02	0.08	0.41	0.09	0.09	0.12	0.14	
Equiv. Carbon No >5-8 mg/l	< .3	< .3	< .3	< .3	< .3	< .3	< .3	< .3	< .3	< .3						< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< 10	< 10	< .01	< .01
Equiv. Carbon No >6-10 mg/l	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2						< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< 10	< 10	< .01	< .01
Equiv. Carbon No >6-40 mg/l	< .3	< .3	< .3	< .3	< .3	< .3	< .3	< .3	< .3	< .3						< .01	< .01		0.05	0.6	< .02	0.08	0.41	0.09	0.08	0.12	0.14	
Equiv. Carbon No >6-44 mg/l	< .3	< .3	< .3	< .3	< .3	< .3	< .3	< .3	< .3	< .3						< .01	< .01		0.06	0.63	< .02	0.08	0.41	0.09	0.09	0.12	0.14	
Equiv. Carbon No >6-8 mg/l	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2						< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< 10	< 10	< .01	< .01
Equiv. Carbon No >8-10 mg/l	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02						< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< 10	< 10	< .01	< .01
Ethyl tert-butyl ether :- {ETBE} ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1
Ethylbenzene ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1
Fluoranthene ug/l	0.011	0.010 3	0.047 9	0.013 6	0.020 3	0.017 2	0.02	0.016 6	0.037 1	0.025 8	0.025 9	0.012 6	0.011 9	0.011 9	< .01	< .01	0.011 5	< .01	< .01	< .01	< .01	0.011 7	< .01	0.010 3	< .01	< .01	0.103	0.013 6
Fluorene ug/l	< .01	< .01	0.011 5	< .01	< .01	< .01	< .01		0.016	0.020 4	0.022 8	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01		
Hexachlorobutadiene ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1
Hexachloroethane ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1
Indeno(1,2,3-cd)pyrene ug/l	< .01	< .01	< .01	< .01	< .01	< .01	0.015 8	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	0.010 2	0.012 6	< .01	< .01	< .01	0.016	< .01	< .01		< .01	< .01	< .01
Iron ug/l	3030	4920	3920	2740	3790	29500	4360	2010	2370	581	525	2070	368	368	387	967	1170	14800	1080	6370	4370	1520	875	6910	814	6150	1300	3050
Iron, Dissolved ug/l	359	458	1690	834	329	424	163	145	225	170	113	114	68.3	68.3	133	133	162	105	150	225	213	192	160	2060	132	198	101	375
Isopropylbenzene :- {Methylethylbenzene} ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1
Lead ug/l	8.44	12.1	8.52	3.61	9.96	72.5	11.3	4.82	7.42	2.38	< 2	6.63	< 2	< 2	< 2	2.71	3.32	54.3	2.89	20.6	11.8	2.73	2.23	19.7	2.07	17.2	3.4	7.56

PRESTON NEW ROAD - CARR BRIDGE BROOK UPSTREAM 2018/19 DATA	Q2 2018						Q3 2018						Q4 2018						Q1 2019 & Partial Q2 2019										
	06/04/2018	20/04/2018	03/05/2018	17/05/2018	01/06/2018	13/06/2018	03/07/2018	17/07/2018	06/08/2018	16/08/2018	10/09/2018	28/09/2018	08/10/2018	08/10/2018	25/10/2018	15/11/2018	30/11/2018	10/12/2018	27/12/2018	03/01/2019	15/01/2019	06/02/2019	18/02/2019	06/03/2019	21/03/2019	12/04/2019	24/04/2019	07/05/2019	
Lead, Dissolved ug/l	< 2	< 2	2.69	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	5.09	< 2	< 2	< 2	< 2	
Lithium ug/l	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Lithium, Dissolved ug/l	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Magnesium mg/l	5.73	10.3	7.05	10.1	7.99	15.1	13.8	9.94	13.2	7.71	11.5	12	11.7	11.7	11.8	9.35	8.01	9.61	6.36	8.18	9.82	7.06	7.09	8.37	5.7	9.64	5.95	8.53	
Magnesium, Dissolved mg/l	4.82	9.24	6.56	9.93	7.18	10.5	12.5	9.58	12.7	7.75	11.4	11.6	11.7	11.7	11.8	9.1	7.68	5.57	5.83	6.26	8.76	6.42	6.79	6.87	5.37	8.44	5.69	7.53	
Manganese ug/l	128	402	170	612	355	1290	326	256	343	154	141	522	117	117	194	165	100	945	91.8	538	502	103	133	399	70.7	533	177	561	
Manganese, Dissolved ug/l	77.8	313	135	583	258	497	255	167	222	139	124	203	87.8	87.8	189	110	89.3	38.7	76.7	279	282	90	120	198	50	325	149	440	
Mercury ug/l	0.033 3	0.021 4	< .01	0.011 4	0.012 1	0.197	0.020 3	0.011 2	0.011 1	< .01	< .01	0.011 8	< .01	< .01	< .01	< .01	< .01	0.020 4	< .01	0.043 8	0.015 5	0.015 3	< .01	0.050 2	< .01	0.028 7	0.015 9	0.014 1	
Mercury, Dissolved ug/l	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01
Methane as CH4 mg/l	0.012 9	0.012 3	< .01	0.044 4	0.021 1	0.038 8	< .01	0.015 3	< .01	0.011	0.038 4	0.013 4	0.022 6	0.022 6	0.025 7	< .01	< .01	< .01	< .01	< .01	< .01	< .01	0.029	< .01	< .01	< .01	< .01	< .01	< .01
Molybdenum ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Molybdenum, Dissolved ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
MTBE :- {Methyl tert-butyl ether} ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1
Naphthalene ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1
n-ButylBenzene :- {1-Phenylbutane} ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1
Nickel ug/l	4.44	6.54	3.85	3.23	5.08	28	4.89	4.29	3.3	1.71	4	3.41	2.05	2.05	1.91	2.65	3.23	20.7	3.21	9.78	5.8	3.83	2.33	11.2	2.51	7.96	2.53	3.72	
Nickel, Dissolved ug/l	2.08	2.3	2.37	2.29	1.56	2.08	< 1	1.99	1.11	1.26	2.88	1.8	1.89	1.89	1.74	2.04	2.14	2.13	1.93	1.87	1.71	1.74	1.46	4.88	1.62	1.69	1.02	1.61	
Nitrite as N mg/l	0.029 2	0.064 2	0.023 8	0.096 9	0.041 9	0.114	0.101	0.201	0.135	0.143	0.182	0.093 2	0.162	0.162	0.173	0.095 7	0.055 4	0.041 9	0.050 9	0.079 7	0.057 3	0.048 9	0.022 4	0.032 3	0.017 4	0.091 7	0.024	0.12	
Nitrogen, Total Oxidised as N mg/l	2.89	3.47	1.34	3.71	1.07	1.16	3.13	3.07	2.45	3.42	1.68	1.5	2.41	2.41	2.21	7.68	10.1	8.74	6.74	4.75	3.13	5.79	3.85	4.26	2.96	3.89	1.27	2.36	

PRESTON NEW ROAD - CARR BRIDGE BROOK UPSTREAM 2018/19 DATA	Q2 2018						Q3 2018						Q4 2018						Q1 2019 & Partial Q2 2019									
	06/04/2018	20/04/2018	03/05/2018	17/05/2018	01/06/2018	13/06/2018	03/07/2018	17/07/2018	06/08/2018	16/08/2018	10/09/2018	28/09/2018	08/10/2018	08/10/2018	25/10/2018	15/11/2018	30/11/2018	10/12/2018	27/12/2018	03/01/2019	15/01/2019	06/02/2019	18/02/2019	06/03/2019	21/03/2019	12/04/2019	24/04/2019	07/05/2019
n-Propylbenzene :- {1-Phenylpropane} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Oil and Grease mg/l	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	1.1			<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	0.21	<.2	<.2
Oil Type : Qualitative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Orthophosphate, reactive as P mg/l	0.099	0.373	1.11	0.978	1.22	0.684	1.61	1.24	2.49	1.21	0.992	0.93	1.3	1.3	0.863	0.32	0.185	0.176	0.146	0.099	0.57	0.289	0.238	0.267	0.098	0.556	0.6	0.983
Perylene ug/l	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
pH pH units	7.19	7.2	7.33	7.3	7.17	7.33	7.57	7.71	7.54	7.56	7.66	7.39	7.4	7.4	8.04	7.05	7.12	7.11	7.16	7.18	7.04	6.93	7.11	7	7.37	7.2	7.29	7.27
Phenanthrene ug/l	0.012 1	0.011 4	0.035 8	0.012 1	<.01	0.020 4	0.024 9	0.020 6	0.043	0.038 8	0.035 2	0.014	0.011 6	0.011 6	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01		0.017 4
Potassium mg/l	4.06	4.68	3.56	5.29	3.13	4.99	5.61	7.58	6.01	7.28	6.87	5.12	5.81	5.81	5.46	5.19	5.04	6.32	5.25	5.91	5.27	5.67	3.86	6.71	4.32	4.83	4.44	5.35
Potassium, Dissolved mg/l	3.79	4.42	3.38	5.17	2.99	4.65	5.62	7.64	5.98	7.33	6.81	5.13	5.79	5.79	5.52	5.19	4.89	5.6	5.01	5.5	5.08	5.53	3.81	6.46	4.3	4.46	4.36	5.13
Pyrene ug/l	<.01	<.01	0.031 9	<.01	0.012 4	0.012 7	0.015 8	0.011 6	0.024 6	0.018 4	0.017 4	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	0.010 2	<.01	<.01	<.01	<.01	0.071 8	0.010 2
sec-Butylbenzene :- {1-Methylpropylbenzene } ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Selenium ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Selenium, Dissolved ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Silica, reactive as SiO2 mg/l	4.97	6.59	4.6	7.77	5.71	6.5	10.1	9.47	9.09	8.75	9.49	8.72	9.24	9.24	8.94	8.04	7.6	8.12	6.83	7.06	7.19	7.26	4.67	7.67	3.3	6.48	6.77	6.03
Silver ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Silver, Dissolved ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sodium mg/l	27.4	30.1	27.1	35.8	32.8	28.7	41.7	46.3	36.5	35.5	39.5	32.8	36.2	36.2	36.5	27.7	28.6	20.4	23.1	26.5	71.6	38.9	37.5	23.2	27	28.4	59.8	38
Sodium, Dissolved mg/l	27.1	28.9	27.6	36.4	33.6	44.3	40.5	47.5	37.8	37	39.5	33.4	36.4	36.4	37.1	27	28.4	21.2	22.7	26.6	70.6	38.3	35.9	24.2	26.8	29.7	60.9	35.6

PRESTON NEW ROAD - CARR BRIDGE BROOK UPSTREAM 2018/19 DATA	Q2 2018						Q3 2018						Q4 2018						Q1 2019 & Partial Q2 2019									
	06/04/2018	20/04/2018	03/05/2018	17/05/2018	01/06/2018	13/06/2018	03/07/2018	17/07/2018	06/08/2018	16/08/2018	10/09/2018	28/09/2018	08/10/2018	08/10/2018	25/10/2018	15/11/2018	30/11/2018	10/12/2018	27/12/2018	03/01/2019	15/01/2019	06/02/2019	18/02/2019	06/03/2019	21/03/2019	12/04/2019	24/04/2019	07/05/2019
{trans-1,3-Dichloropropene} ug/l																												
Trichloroethylene :- {Trichloroethene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Trichlorofluoromethane ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Turbidity NTU	93	123	54.3	38.6	75.4	76.5	7.2	46.9	48.9	14.4	4.9	24.5	5.1	5.1	2.1	13.9	34.1	90.5	29.8	86.8	112	45.2	22.6	140	26.5	86	20.2	56.1
Vanadium ug/l	4.2	5.04	4.77	<2	3.75	20.9	4.86	3.4	3.16	2.12	<2	2.82	<2	<2	<2	<2	2.68	17.2	2.15	8.75	4.68	2.9	<2	8.74	<2	5.56	2.54	3
Vanadium, Dissolved ug/l	<2	<2	2.32	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	3.55	<2	<2	<2	<2
Vinyl chloride :- {Chloroethylene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Zinc ug/l	26.2	38	20.2	13.6	41.3	211	42.5	25.4	23.7	15.3	37.3	25.4	9.23	9.23	16.5	16.7	13.5	169	26	57.1	34.5	16.3	22.3	83.6	28.3	71.3	15.4	30.7
Zinc, Dissolved ug/l	6.1	6.69	5.17	<5	9.04	17.9	14.1	7.35	<5	7.63	21.1	5.84	5.69	5.69	14	7.92	7.16	9.02	11.7	5.06	8.57	8.12	10.8	28	12	6.41	<5	6.86

PRESTON NEW ROAD – CARR BRIDGE BROOK DOWNSTREAM 2018/19 DATA	Q2 2018						Q3 2018						Q4 2018				Q1 2019 & Partial Q2 2019									
	06/04/2018	20/04/2018	03/05/2018	17/05/2018	01/06/2018	13/06/2018	03/07/2018	17/07/2018	06/08/2018	15/08/2018	10/09/2018	28/09/2018	08/10/2018	25/10/2018	15/11/2018	30/11/2018	10/12/2018	03/01/2019	15/01/2019	06/02/2019	18/02/2019	06/03/2019	21/03/2019	12/04/2019	24/04/2019	07/05/2019
1,3,5-Trichlorobenzene ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
1,3,5-Trimethylbenzene :- {Mesitylene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
1,3-Dichlorobenzene ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
1,3-Dichloropropane ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
1,4-Dichlorobenzene ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
2,2-Dichloropropane ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
2-Chlorotoluene :- {1-Chloro- 2-methylbenzene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
3-Chlorotoluene :- {3- Chloromethylbenzene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
4-Chlorotoluene :- {1-Chloro- 4-methylbenzene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
4-Isopropyltoluene :- {4- methyl-Isopropylbenzene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
Acenaphthene ug/l	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Acenaphthylene ug/l	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Acrylamide ug/l	<.008	<.008	<.008	<.008	<.05	<.05	<.008	<.05	<.05	<.008	<.008	<.008	<.05	<.05	<.05	<.05	<.05	<.05	<.008	<.05	<.008	<.05	<.008	<.008	<.05	<.05
Alkalinity to pH 4.5 as CaCO3 mg/l	156	183	256	282	265		300	261	289	55	264	271	286	262	205	176	125	185	228	150	184	161	150	248	213	281
Aluminium ug/l	1030	235	141	134	125	102	137	194	91.8	81.5	56.6	806	61.4	112	155	282	565	224	149	1060	375	1160	351	239	148	45.4
Aluminium, Dissolved ug/l	169	48.5	49	33.4	24.2	25.6	37.5	32.3	29.9	25.8	25.3	36.1	28.6	46.9	53.1	49.1	95.7	79.9	63.2	80	78.8	79	96.5	45.3	24.5	25.8
Ammoniacal Nitrogen as N mg/l	0.313	0.227	0.18	0.204	0.182		0.158	0.161	<.03	<.03	0.152	0.067	0.093	0.099	0.082	0.067	0.085	0.102	0.085	0.072	0.076	0.078	0.064	0.226	0.044	0.162
Anthracene ug/l	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Antimony ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Antimony, Dissolved ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic ug/l	1.86	1.72	1.75	1.55	2.14	1.67	1.79	1.95	1.76	1.94	1.66	2.34	1.47	1.46	1.2	1.34	1.13	1.11	1.34	1.4	1.18	1.96	1.49	1.54	1.84	1.51

PRESTON NEW ROAD – CARR BRIDGE BROOK DOWNSTREAM 2018/19 DATA	Q2 2018						Q3 2018							Q4 2018				Q1 2019 & Partial Q2 2019									
	06/04/2018	20/04/2018	03/05/2018	17/05/2018	01/06/2018	13/06/2018	03/07/2018	17/07/2018	06/08/2018	15/08/2018	10/09/2018	28/09/2018	08/10/2018	25/10/2018	15/11/2018	30/11/2018	10/12/2018	03/01/2019	15/01/2019	06/02/2019	18/02/2019	06/03/2019	21/03/2019	12/04/2019	24/04/2019	07/05/2019	
Calcium mg/l	59.6	72.6	94	105	94.6	102	107	93.8	106	109	109	109	107	111	106	98	77.7	84.7	102	72.3	83.7	67.6	69.4	96.5	82.4	102	
Calcium, Dissolved mg/l	59	70.9	94.2	102	94	102	104	96.2	110	110	108	109	107	110	103	99.1	78.2	82.7	97.7	73.9	82.1	69.2	68.9	98.2	83.3	103	
Carbon Disulphide ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	
Carbon tetrachloride :- {Tetrachloromethane} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	
Chemical Oxygen Demand :- {COD} mg/l	63	29	14	15	19		13	21	<10	12	17	50	13	22	32	36	48	25	13	47	23	59	55	25	17	16	
Chloride mg/l	44.9	34.7	48.2	48.6	44.4		48.4	50.2	47.1	11.6	48.9	46	48.2	45.8	46	47.8	37.4	44.2	52.5	48.3	51.1	34.2	39.1	46.8	54.2	49.7	
Chlorobenzene ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	
Chlorodibromomethane ug/l	<.1	0.75	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	
Chloroform :- {Trichloromethane} ug/l	<.1	2.45	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	0.36	<.1	
Chloromethane :- {Methyl Chloride} ug/l	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	
Chromium ug/l	2.17	0.84	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	1.47	<.5	<.5	<.5	0.786	1.22	0.564	<.5	1.89	0.864	2.33	0.828	0.685	<.5	<.5	
Chromium, Dissolved ug/l	0.655	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	0.615	<.5	<.5	0.567	<.5	0.786	<.5	<.5	<.5	<.5	
Chrysene ug/l	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	
cis-1,2-Dichloroethylene :- {cis-1,2-Dichloroethene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	
cis-1,3-Dichloropropylene :- {cis-1,3-Dichloropropene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	
Cobalt ug/l	1.07	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.45	<1	<1	<1	<1	1.06	<1	<1	1.14	1.17	1.15	<1	<1	<1	<1	
Cobalt, Dissolved ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Conductivity at 20 C uS/cm	473	546	689	743	707		770	725	767	766	774	777	775	780	726	696	568	601	728	566	633	506	512	718	665	751	
Conductivity at 25 C uS/cm	528	609	769	829	789		859	809	856	855	864	867	865	871	810	777	634	671	812	632	706	565	571	801	742	838	
Copper ug/l	6.91	2.19	1.59	1.13	1.06	2.73	1.69	1.79	<1	1.07	12	3.52	1.46	1.97	3.85	4.89	7.16	3.71	2.05	7.33	23	10.1	4.61	1.79	1.81	<1	
Copper, Dissolved ug/l	4.56	1.51	<1	1.65	1	2.25	<1	2.02	<1	<1	10.1	<1	1.34	1.83	2.73	4.12	6.23	3.16	1.67	5.35	2.54	7.23	3.87	1.38	2	<1	

PRESTON NEW ROAD – CARR BRIDGE BROOK DOWNSTREAM 2018/19 DATA	Q2 2018						Q3 2018							Q4 2018				Q1 2019 & Partial Q2 2019									
	06/04/2018	20/04/2018	03/05/2018	17/05/2018	01/06/2018	13/06/2018	03/07/2018	17/07/2018	06/08/2018	15/08/2018	10/09/2018	28/09/2018	08/10/2018	25/10/2018	15/11/2018	30/11/2018	10/12/2018	03/01/2019	15/01/2019	06/02/2019	18/02/2019	06/03/2019	21/03/2019	12/04/2019	24/04/2019	07/05/2019	
Dibenzo(a,h)Anthracene ug/l	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	
Dibromomethane ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	
Dichloromethane :- {Methylene Dichloride} ug/l	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	< .5	
Dimethylbenzene : Sum of isomers (1,3- 1,4-) ug/l	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	
Equiv.Carbon No >5-44 : (TPH) : Screen mg/l	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	
Equiv.Carbon No >10-12 mg/l	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .02	< .01	< .01	< .01	< .01	0.02	< .02	< .02	< .01	< .1	< .01	< .01	< .01	< .01	
Equiv.Carbon No >10-16 mg/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .01	< .02	< .01	0.02	0.18	< .01	0.08	< .02	< .02	< .01	0.26	0.01	< .01	< .01	
Equiv.Carbon No >10-20 mg/l	< .05	< .05	< .05	< .05	< .05	< .05	< .05	< .05	< .05	< .05	< .05	< .05	< .01	0.01	< .01	0.04	0.07	0.02	0.11	0.03	< .02	< .01	0.87	0.03	< .01	< .01	
Equiv.Carbon No >10-24 mg/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .01	0.01	< .01	0.07	0.1	0.03	0.13	0.03	0.03	0.01	1.1	0.04	< .01	0.01	
Equiv.Carbon No >10-25 mg/l	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .01	< .02	< .01	0.07	0.12	0.03	0.12	0.04	0.02	0.01	1.2	0.05	< .01	0.01	
Equiv.Carbon No >10-35 mg/l	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .01	< .02	< .01	0.17	0.35	0.05	0.16	0.05	0.04	0.03	2	0.05	< .01	0.02	
Equiv.Carbon No >10-40 mg/l	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .01	< .02	< .01	0.21	0.2	0.05	0.17	0.06	0.02	0.02	2.1	0.05	< .01	0.02	
Equiv.Carbon No >10-44 mg/l	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .01	0.04	< .01	0.25	0.3	0.05	0.18	0.06	0.02	0.02	2.1	0.05	< .01	0.03	
Equiv.Carbon No >12-16 mg/l	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .02	< .01	< .02	< .01	0.01	0.02	< .01	0.06	< .02	< .02	< .01	0.23	0.01	< .01	< .01	
Equiv.Carbon No >16-21 mg/l	0.0362	< .02	< .02	< .02	< .02	0.0352	0.0377	< .02	< .02	< .02	< .02	< .02	< .01	< .02	< .01	0.03	0.06	0.02	0.04	< .02	< .02	< .01	0.69	0.02	< .01	< .01	
Equiv.Carbon No >16-24 mg/l	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .01	< .02	< .01	0.05	0.08	0.03	0.04	< .02	0.02	< .01	0.84	0.03	< .01	0.01	
Equiv.Carbon No >16-35 mg/l	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .01	0.03	< .01	0.16	0.17	0.05	0.08	0.03	0.05	0.02	1.8	0.04	< .01	0.02	
Equiv.Carbon No >20-30 mg/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .01	< .02	< .01	0.09	0.08	0.03	0.04	< .02	< .02	0.01	0.76	0.02	< .01	0.02	
Equiv.Carbon No >20-40 mg/l	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .01	< .02	< .01	0.18	0.13	0.03	0.06	0.03	0.02	0.01	1.2	0.02	< .01	0.03	
Equiv.Carbon No >20-44 mg/l	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .01	0.02	< .01	0.21	0.13	0.03	0.07	0.03	0.02	0.01	1.3	0.02	< .01	0.03	
Equiv.Carbon No >21-35 mg/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .01	0.02	< .01	0.13	0.11	0.03	0.04	0.02	0.04	0.02	1.1	0.02	< .01	0.02	

PRESTON NEW ROAD – CARR BRIDGE BROOK DOWNSTREAM 2018/19 DATA	Q2 2018						Q3 2018							Q4 2018				Q1 2019 & Partial Q2 2019								
	06/04/2018	20/04/2018	03/05/2018	17/05/2018	01/06/2018	13/06/2018	03/07/2018	17/07/2018	06/08/2018	15/08/2018	10/09/2018	28/09/2018	08/10/2018	25/10/2018	15/11/2018	30/11/2018	10/12/2018	03/01/2019	15/01/2019	06/02/2019	18/02/2019	06/03/2019	21/03/2019	12/04/2019	24/04/2019	07/05/2019
Indeno(1,2,3-cd)pyrene ug/l	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01
Iron ug/l	1550	847	736	603	439	345	364	319	203	207	134	1810	160	266	297	418	569	313	304	1140	656	1360	500	586	357	178
Iron, Dissolved ug/l	483	296	282	192	137	88.4	48.6	66.9	44.2	53.7	50.8	72.6	50	90.5	97.9	120	127	125	121	141	118	195	166	147	71.3	81.8
Isopropylbenzene :- {Methylethylbenzene} ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1
Lead ug/l	2.86	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	2.76	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	2.29	< 2	< 2	< 2	< 2
Lead, Dissolved ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Lithium ug/l	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Lithium, Dissolved ug/l	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
Magnesium mg/l	11.6	17.1	24.2	27.8	25.9	29	31.2	25.7	30.5	31	28.8	29.1	29.2	28.6	21.7	18.4	12.9	17.3	24.1	13.2	18.3	12.5	13.4	25	21.1	27.9
Magnesium, Dissolved mg/l	11.2	17.2	24.2	27.5	25.5	28.8	30.5	26	31.2	31.3	29	28.8	28.9	28.1	21.7	18.1	12.7	16.6	23.5	13.2	18.3	12.3	13.1	25.3	21.3	27.8
Manganese ug/l	152	182	187	223	167	115	76.2	53	50.4	41.9	33.9	311	63.2	127	104	94.7	85.8	100	125	94.8	177	104	99	139	87.4	55.9
Manganese, Dissolved ug/l	128	169	183	225	152	97.9	49.7	43.2	39.9	34.4	30.1	92.2	57.6	118	95.4	83.3	78.9	95.5	120	70	94.9	73.6	87.6	115	68.6	52.5
Mercury ug/l	0.0111	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	0.0167	< .01	< .01	< .01	< .01
Mercury, Dissolved ug/l	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01
Methane as CH4 mg/l	< .01	0.0116	< .01	0.0103	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	0.011	< .01	0.015	< .01	< .01	< .01	< .01	< .01
Molybdenum ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	3.56	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Molybdenum, Dissolved ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
MTBE :- {Methyl tert-butyl ether} ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1
Naphthalene ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1
n-ButylBenzene :- {1- Phenylbutane} ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1
Nickel ug/l	3.81	2.15	1.8	2.38	1.99	2.74	< 1	1.98	< 1	< 1	1.73	2.79	1.69	1.95	2.2	2.61	4.55	2.81	2.27	3.68	2.56	4.54	2.9	1.75	1.12	1.03

PRESTON NEW ROAD – CARR BRIDGE BROOK DOWNSTREAM 2018/19 DATA	Q2 2018						Q3 2018							Q4 2018				Q1 2019 & Partial Q2 2019									
	06/04/2018	20/04/2018	03/05/2018	17/05/2018	01/06/2018	13/06/2018	03/07/2018	17/07/2018	06/08/2018	15/08/2018	10/09/2018	28/09/2018	08/10/2018	25/10/2018	15/11/2018	30/11/2018	10/12/2018	03/01/2019	15/01/2019	06/02/2019	18/02/2019	06/03/2019	21/03/2019	12/04/2019	24/04/2019	07/05/2019	
Nickel, Dissolved ug/l	2.85	1.87	2.84	2.43	1.32	1.15	< 1	2.12	< 1	< 1	1.6	1.74	1.64	1.6	2.65	2.44	3.33	2.39	1.88	2.49	1.82	2.94	2.5	1.54	< 1	< 1	
Nitrite as N mg/l	0.0375	0.0234	0.0264	0.038	0.0769		0.0225	0.0686	0.0157	0.0046	0.0186	0.0259	0.0155	0.0226	0.0305	0.0389	0.037	0.0407	0.0257	0.0201	0.0174	0.0222	0.0124	0.0402	0.0096	0.0366	
Nitrogen, Total Oxidised as N mg/l	3.32	1.64	2	2.23	2.15		2.25	2.33	2.02	0.89	1.81	2.13	1.97	2.37	8.14	12.7	14	6.29	3.67	9.17	4.65	6.41	3.69	2.89	1.84	1.79	
n-Propylbenzene :- {1-Phenylpropane} ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	
Oil and Grease mg/l	< .2	< .2	< .2	< .2	< .2	< .2	5.72	< .2	< .2	< .2	< .2	0.29			< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	< .2	
Oil Type : Qualitative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Orthophosphate, reactive as P mg/l	0.079	0.505	0.119	0.104	0.2		0.164	0.289	0.189	0.028	0.155	0.113	0.112	0.082	0.104	0.109	0.101	0.068	0.074	0.154	0.09	0.207	0.089	0.065	0.199	0.095	
Perylene ug/l	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	
pH pH units	7.26	7.54	7.61	7.88	7.95		8.07	8.1	8.16	8.09	7.99	7.95	8	7.92	7.62	7.49	7.31	7.46	7.77	7.34	7.64	7.31	7.62	7.81	8.04	8.12	
Phenanthrene ug/l	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01		< .01	
Potassium mg/l	4.92	2.76	3.24	3.22	2.98	2.74	2.64	5.4	2.84	3.35	4.26	3.43	3.48	3.52	5.36	6.45	7.3	4.75	3.78	6.26	3.82	6.86	4.41	3.21	2.74	2.72	
Potassium, Dissolved mg/l	4.76	2.77	3.23	3.17	2.97	2.77	2.7	5.36	2.79	3.32	4.26	3.34	3.39	3.4	5.45	6.39	7.21	4.58	3.77	6.28	3.8	6.89	4.44	3.18	2.76	2.75	
Pyrene ug/l	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	
sec-Butylbenzene :- {1-Methylpropylbenzene} ug/l	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	< .1	
Selenium ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Selenium, Dissolved ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Silica, reactive as SiO2 mg/l	7.17	7.78	9.1	11.1	10.5		4.07	11.2	12.2	4.06	11.9	11.9	11.7	11.6	9.83	9.23	9.23	9.14	11.1	8.55	8.46	8.48	6.7	9.94	8.31	9.2	
Silver ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Silver, Dissolved ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Sodium mg/l	27.7	27.7	30.7	31.7	30.3	29.5	30.3	33.1	30	32.3	32.9	29.2	30.6	29.6	27.9	27.5	23	27.4	32.6	28.5	32.2	22.4	26.3	28.8	38.2	29.8	
Sodium, Dissolved mg/l	27.1	27.5	30.6	30.4	29.9	29.3	30.4	33.8	30.8	33.2	32.8	29.2	30.1	28.5	27.6	27.2	22.8	26.2	31.4	28.6	31.3	22.5	26.1	29.7	38.4	30.6	

Date	Q2 2018						Q3 2018							Q4 2018				Q1 2019 & Partial Q2 2019									
	06/04/2018	20/04/2018	03/05/2018	17/05/2018	01/06/2018	13/06/2018	03/07/2018	17/07/2018	06/08/2018	15/08/2018	10/09/2018	28/09/2018	08/10/2018	25/10/2018	15/11/2018	30/11/2018	10/12/2018	03/01/2019	15/01/2019	06/02/2019	18/02/2019	06/03/2019	21/03/2019	12/04/2019	24/04/2019	07/05/2019	
Turbidity NTU	41.9	9	6.1	6.8	4.5		4.8	6.4	3.3	3.3	1.6	2.4	1.9	3	5.2	9.9	15	6	5.5	24	9.4	45.2	9.8	8.5	4.9	7.5	
Vanadium ug/l	2.28	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2.1	<2	2.69	<2	<2	<2	<2	
Vanadium, Dissolved ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Vinyl chloride :- {Chloroethylene} ug/l	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	
Zinc ug/l	11.7	10.3	<5	<5	<5	6.23	<5	<5	<5	7.45	15.9	13.5	<5	7.76	5.27	8.12	9.53	7.08	5.92	13.5	24.9	15	13.8	<5	<5	<5	
Zinc, Dissolved ug/l	5.08	6.97	<5	<5	<5	6.09	<5	<5	<5	<5	11.6	<5	<5	7.15	<5	6.32	8.75	5.84	5.4	8.8	15.9	8.08	10.5	<5	<5	<5	