



daa Dublin - North Runway Surface Water Monitoring - Q3, 2022

Sample Date	Sample Location	Report Reference	BOD	COD	Ammonia	pH	Ortho phosphate	Temperature	Dissolved Oxygen	Dissolved Oxygen	Nitrate	Total N	TPH	Detergents	Benzene	Anthracene	Propylene Glycol	PAH	PCB	Benzo a pyrene	Zinc	Chromium VI	Arsenic	Copper	Chromium III	Chromium	Lead	Nickel	Phenols	Xylene	Potassium	Toluene
			mg/L	mg/L	mg/L	pH units	mg/L	degrees C	%	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
12-07-2022	SW-MO-NRML-5	3221/256/01	1.7	24	0.03	7.39	0.01	15.7	-	8	<0.51	1.1	<1	299	<1	<0.01	-	<0.01	<0.05	<0.01	18	<10	1	2	<10	<1	<1	2	<0.1	<1	7.9	<1
12-07-2022	SW-MO-NRML-6	3221/256/02	3.3	41	0.07	7.81	0.01	15.8	-	8.5	1.47	2.1	<1	188	<1	<0.01	-	<0.01	<0.05	<0.01	4	<10	2	7	<10	2	<1	3	<0.1	<1	15	<1
12-07-2022	SW-MO-NRML-7	3221/256/03	2.7	38	0.05	7.73	0.02	15.4	-	8.4	1.29	1.8	<1	187	<1	<0.01	-	<0.01	<0.05	<0.01	12	<10	1	12	<10	2	<1	3	<0.1	<1	9.7	<1
17/08/2022	SW-MO-NRML-5	3221/274/01	0.8	6	0.03	7.69	0.02	15.9	-	7.5	<0.51	0.4	<1	78	<1	<0.01	<2.0	<0.01	<0.05	<0.01	<2	<10	<1	<2	<10	<1	<1	<1	<0.1	<1	6.3	<1
17/08/2022	SW-MO-NRML-6	3221/274/02	4.2	19	0.26	8.45	0.01	17.4	-	9.2	1.02	1.5	<1	255	<1	<0.01	<2.0	<0.01	<0.05	<0.01	13	<10	1	10	<10	2	1	2	<0.1	<1	10.9	<1
17/08/2022	SW-MO-NRML-7	3221/274/03	3.7	26	0.16	8.21	0.02	16.8	-	8.9	1.02	1.4	<1	257	<1	<0.01	<2.0	<0.01	<0.05	<0.01	10	<10	1	8	<10	1	1	1	<0.1	<1	11.7	<1
07/09/2022	SW-MO-NRML-5	3221/282/01	1.4	16	0.01	7.64	0.01	18.4	-	9.1	<0.51	0.7	<1	64	<1	<0.01	<2.0	<0.01	<0.05	<0.01	13	<10	1	6	<10	1	<1	3	<0.1	<1	4.8	<1
07/09/2022	SW-MO-NRML-6	3221/282/02	1.8	18	0.07	9.05	<0.01	18.4	-	9.3	<0.51	0.9	<1	90	<1	<0.01	<2.0	<0.01	<0.05	<0.01	10	<10	1	10	<10	2	1	3	<0.1	<1	5.4	<1
07/09/2022	SW-MO-NRML-7	3221/282/03	1.7	16	0.05	8.55	0.01	18.5	-	9.2	<0.51	0.7	<1	83	<1	<0.01	<2.0	<0.01	<0.05	<0.01	11	<10	1	8	<10	2	1	3	<0.1	<1	5.2	<1
13/09/2022	SW-QT-NRML-1	3221/288/01	0.8	44	0.06	7.55	0.01	15.2	-	9.6	2.33	2.8	<1	166	<1	<0.01	-	<0.01	<0.05	<0.01	24	<10	2	18	<10	1	<1	13	<0.1	<1	5.9	<1
13/09/2022	SW-QT-NRML-2	3221/288/02	1	35	0.03	7.39	0.01	15.7	-	9.1	0.63	1.1	<1	98	<1	<0.01	-	<0.01	<0.05	<0.01	26	<10	1	11	<10	<1	1	7	<0.1	<1	4.2	<1
13/09/2022	SW-QT-NRML-3	3221/288/03	0.6	37	0.1	7.44	0.01	15	-	8.7	0.75	1.1	<1	93	<1	<0.01	-	<0.01	<0.05	<0.01	48	<10	3	12	<10	<1	<1	11	<0.1	<1	7.2	<1
13/09/2022	SW-QT-NRML-4	3221/288/05	0.8	19	0.08	8.62	0.01	15.9	-	9.8	1.44	1.3	<1	140	<1	<0.01	-	<0.01	<0.05	<0.01	21	<10	2	6	<10	6	<1	4	<0.1	<1	7.4	<1
13/09/2022	SW-QT-NRML-8	3221/288/06	0.5	25	0.08	7.84	0.01	15.4	-	8.9	3.05	2.4	<1	98	<1	<0.01	-	<0.01	<0.05	<0.01	18	<10	1	7	<10	1	<1	8	<0.1	<1	9.4	<1
20/09/2022	SW-QT-NRML-9	3221/290/01	1.6	7	0.67	7.99	0.08	14.7	-	10.1	3.96	4.7	<1	434	<1	<0.01	<2.0	-	<0.05	<0.01	6	<10	1	5	<10	<1	<1	5	<0.1	<1	7.5	<1

daa Dublin - North Runway Surface Water Monitoring - Q4, 2022

Sample Date	Sample Location	Report Reference	BOD	COD	Ammonia	pH	Ortho phosphate	Temperature	Dissolved Oxygen	Dissolved Oxygen	Nitrate	Total N	TPH	Detergents	Benzene	Anthracene	Propylene Glycol	PAH	PCB	Benzo a pyrene	Zinc	Chromium VI	Arsenic	Copper	Chromium III	Chromium	Lead	Nickel	Phenols	Xylene	Potassium	Toluene
			mg/L	mg/L	mg/L	pH units	mg/L	degrees C	%	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
12/10/2022	SW-QT-NRML-1	3221/298/01	0.9	38	0.04	7.7	0.01	13.8	-	9.1	1.92	2.6	<1	160	<1	<0.01	-	-	<0.05	<0.01	43	<10	2	16	<10	1	<1	11	<0.1	<1	5.1	<1
12/10/2022	SW-QT-NRML-2	3221/298/02	0.5	22	0.03	7.81	0.01	14.1	-	9.1	<0.51	0.9	<1	78	<1	<0.01	-	-	<0.05	<0.01	28	<10	2	6	<10	<1	<1	4	<0.1	<1	2.8	<1
12/10/2022	SW-QT-NRML-3	3221/298/03	0.4	17	0.03	7.63	0.01	14	-	7.4	0.88	1	<1	87	<1	<0.01	-	-	<0.05	<0.01	68	<10	3	6	<10	<1	<1	7	<0.1	<1	10.9	<1
12/10/2022	SW-QT-NRML-4	3221/298/04	0.8	13	0.03	8	0.01	14.1	-	9.6	1.68	1.5	<1	53	<1	<0.01	-	-	<0.05	<0.01	22	<10	2	5	<10	4	<1	3	<0.1	<1	8.6	<1
12/10/2022	SW-QT-NRML-8	3221/298/05	0.3	11	0.02	7.65	0.01	14	-	7.6	2.16	2	<1	<50	<1	<0.01	-	-	<0.05	<0.01	24	<10	1	5	<10	<1	<1	7	<0.1	<1	7.6	<1
21/10/2022	SW-MO-NRML-5	3221/301/03	0.9	<5	0.05	8.08	0.01	13.3	-	9.2	0.91	1	<1	78	<1	<0.01	<2.0	-	<0.05	<0.01	19	<10	1	7	<10	2	<1	6	<0.1	<1	0.6	<1
21/10/2022	SW-MO-NRML-6	3221/301/04	1.7	<5	0.1	8.64	<0.01	13.5	-	9.7	0.68	0.9	<1	158	<1	<0.01	<20.0	-	<0.05	<0.01	13	<10	1	9	<10	3	1	4	<0.1	<1	0.7	<1
21/10/2022	SW-MO-NRML-7	3221/301/05	1.2	<5	0.08	8.35	0.01	13.6	-	9.7	0.73	0.9	<1	<50	<1	<0.01	<2.0	-	<0.05	<0.01	12	<10	1	7	<10	3	1	3	<0.1	<1	6.6	<1
01/11/2022	SW-MO-NRML-5	3221/305/01	0.6	15	0.05	7.88	0.01	12.1	-	9.9	2.11	2	<1	189	<1	<0.01	<2.0	-	<0.05	<0.01	16	<10	1	6	<10	1	<1	5	<0.1	<1	5.4	<1
01/11/2022	SW-MO-NRML-6	3221/305/02	1.2	23	0.16	8.44	<0.01	12.3	-	10.5	1.52	1.9	<1	219	<1	<0.01	<2.0	-	<0.05	<0.01	7	<10	2	11	<10	5	1	7	<0.1	<1	8.4	<1
01/11/2022	SW-MO-NRML-7	3221/305/03	0.7	20	0.09	8.4	0.01	12.3	-	10.1	1.84	2	<1	114	<1	<0.01	<2.0	-	<0.05	<0.01	11	<10	1	9	<10	4	<1	6	<0.1	<1	6.9	<1
15/11/2022	SW-QT-NRML 9	3221/315/01	1.2	18	0.01	7.96	0.04	-	-	9.7	3.33	3.13	<1	<50	<1	<0.01	<2.0	-	<0.05	<0.01	5	<10	1	3	<10	1	<1	3	<0.1	<1	5.4	<1
19/12/2022	Extra NRML 5	3221/339/01	51	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114	-
19/12/2022	Extra NRML 6	3221/339/02	6.2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.6	-
19/12/2022	Extra NRML 7	3221/339/03	72	151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	113.2	-
22/12/2022	SW-MO-NRML-5	3221/343/01	70	135	0.07	7.98	0.01	8.6	-	4.2	1.03	0.7	<1	<50	<1	<0.01	<2.0	-	<0.05	<0.01	14	<10	3	2	<10	<1	<1	15	<0.1	<1	140.3	<1
22/12/2022	SW-MO-NRML-6	3221/343/02	84	140	0.14	8.4	0.01	8.3	-	10.6	0.79	0.9	<1	<50	<1	<0.01	26.2	-	<0.05	<0.01	9	<10	4	5	<10	2	<1	15	<0.1	<1	102.3	<1
22/12/2022	SW-MO-NRML-7	3221/343/03	62	120	0.01	8.15	0.01	8.8	-	1.1	<0.51	0.6	<1	120	<1	<0.01	<20.0	-	<0.05	<0.01	59	<10	3	8	<10	1	1	11	<0.1	<1	109	<1

daa Dublin - North Runway Surface Water Monitoring - Q1, 2023

Sample Date	Sample Location	Report Reference	BOD	COD	Ammonia	pH	Ortho phosphate	Temperature	Dissolved Oxygen	Dissolved Oxygen	Nitrate	Total N	TPH	Detergents	Benzene	Anthracene	Propylene Glycol	PAH	PCB	Benzo a pyrene	Zinc	Chromium VI	Arsenic	Copper	Chromium III	Chromium	Lead	Nickel	Phenols	Xylene	Potassium	Toluene
			mg/L	mg/L	mg/L	pH units	mg/L	degrees C	%	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
03/01/2023	SW-QT-NRML-1	3221/355/01	1	27	0.04	7.61	0.01	9.7	-	9.9	2.01	1.7	<1	<50	<1	<0.01	<2.0	-	<0.05	<0.01	23	<10	2	7	<10	1	<1	8	<0.1	<1	3.5	<1
03/01/2023	SW-QT-NRML-2	3221/355/02	0.5	31	0.03	7.37	0.01	9.6	-	9.1	1.13	1.2	<1	<50	<1	<0.01	<2.0	-	<0.05	<0.01	19	<10	1	2	<10	<1	<1	4	<0.1	<1	3	<1
03/01/2023	SW-QT-NRML-3	3221/355/03	0.8	20	0.01	7.54	0.09	9.6	-	8	0.95	1.1	<1	<50	<1	<0.01	<2.0	-	<0.05	<0.01	31	<10	3	4	<10	1	<1	5	<0.1	<1	7.3	<1
03/01/2023	SW-QT-NRML-4	3221/355/04	0.8	17	0.04	8.16	0.01	9.8	-	10.2	1.55	1.5	<1	<50	<1	<0.01	<2.0	-	<0.05	<0.01	6	<10	1	4	<10	5	<1	5	<0.1	<1	6.9	<1
06/01/2023	SW-MO-NRML-5	3221/357/01	1.5	9	<0.01	7.99	0.01	8.5	-	10	5.73	5.3	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	6	<10	1	2	<10	<1	3	<0.1	<1	-	<1	
06/01/2023	SW-MO-NRML-6	3221/357/02	4.7	19	0.03	8.18	<0.01	9.4	-	10.1	2.31	2	<1	<50	<1	<0.1	2.2	-	<0.05	<0.1	4	<10	2	5	<10	<1	6	<0.1	<1	-	<1	
06/01/2023	SW-MO-NRML-7	3221/357/03	2.4	15	<0.01	8.1	0.01	8.9	-	9.9	4.06	4	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	5	<10	1	3	<10	<1	4	<0.1	<1	-	<1	
06/01/2023	SW-QTRLY-NRML-8	3221/357/04	1.5	10	<0.01	7.8	0.01	8.9	-	9	3.86	3.7	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	11	<10	2	3	<10	<1	5	<0.1	<1	-	<1	
09/01/2023	SW-QT-NRML-9	3221/364/03	1	6	0.08	7.99	0.03	-	-	10.5	5.44	5.1	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	4	<10	1	2	<10	<1	<1	3	<0.1	<1	7.1	<1
23/01/2023	Extra NRML 5	3221/385/07	<10	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.9	-
23/01/2023	Extra NRML 6	3221/385/08	<10	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.7	-
23/01/2023	Extra NRML 7	3221/385/09	<10	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.3	-
03/02/2023	SW-MO-NRML-5	3221/394/01	0.7	17	0.04	7.86	0.02	9.7	-	9.5	4.6	4.5	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	5	<10	2	<2	<10	<1	3	<0.1	<1	<1	15.9	<1
03/02/2023	SW-MO-NRML-6	3221/394/02	1.7	20	0.12	8.13	0.01	9.8	-	10	1.12	1.3	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	4	<10	2	4	<10	<1	4	<0.1	<1	<1	12.5	<1
03/02/2023	SW-MO-NRML-7	3221/394/03	1.1	14	0.09	7.97	0.02	9	-	10.6	3.38	3.4	<1	91	<1	<0.1	<2.0	-	<0.05	<0.1	3	<10	1	2	<10	<1	3	<0.1	<1	<1	14.8	<1
06/03/2023	SW-MO-NRML-5	3221/435/01	<2	10	0.02	7.82	0.01	7.6	-	10.4	3.18	2.7	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	19	<10	2	<2	<10	<1	2	<0.1	<1	<1	10.2	<1
06/03/2023	SW-MO-NRML-6	3221/435/02	<2	15	0.13	8.07	0.01	8.8	-	10.2	0.87	1.2	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	16	<10	3	3	<10	<1	4	<0.1	<1	<1	14.2	<1
06/03/2023	SW-MO-NRML-7	3221/435/03	<2	13	0.07	7.96	0.04	7.8	-	10.4	2.52	2.5	<1	61	<1	<0.1	<2.0	-	<0.05	<0.1	9	<10	1	2	<10	<1	2	<0.1	<1	<1	6.1	<1
10/03/2023	Extra NRML 5	3221/438/01	<4	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-
10/03/2023	Extra NRML 6	3221/439/01	9	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128.1	-
10/03/2023	Extra NRML 7	3221/437/01	31	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.7	-
15/03/2023	Extra NRML 5	3221/466/01	1.5	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.8	-
15/03/2023	Extra NRML 6	3221/467/01	1.8	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.5	-
15/03/2023	Extra NRML 7	3221/464/01	57	127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.9	-



daa Dublin - North Runway Surface Water Monitoring - Q2, 2023

Sample Date	Sample Location	Report Reference	BOD	COD	Ammonia	pH	Ortho phosphate	Temperature	Dissolved Oxygen	Dissolved Oxygen	Nitrate	Total N	TPH	Detergents	Benzene	Anthracene	Propylene Glycol	PAH	PCB	Benzo a pyrene	Zinc	Chromium VI	Arsenic	Copper	Chromium III	Chromium	Lead	Nickel	Phenols	Xylene	Potassium	Toluene
			mg/L	mg/L	mg/L	pH units	mg/L	degrees C	%	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
07/04/2023	SW-MO-NRML-5	3221/489/01	1.1	16	0.02	7.84	0.01	10.1	-	8	3.4	2.9	<1	156	<1	<0.1	<2.0	-	<0.05	<0.1	30	<10	1	3	<10	-	<1	2	<0.1	<1	6.9	<1
07/04/2023	SW-MO-NRML-6	3221/489/02	1.1	20	0.11	8.12	0.01	10.4	-	8.3	1.71	4.6	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	11	<10	2	6	<10	-	<1	4	<0.1	<1	14.0	<1
07/04/2023	SW-MO-NRML-7	3221/489/03	0.7	24	0.07	7.94	0.01	11.2	-	7.8	2.82	4.6	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	20	<10	1	4	<10	-	<1	3	<0.1	<1	8.7	<1
11/04/2023	SW-QT-NRML-8	3221/499/01	0.6	<5	0.03	7.71	0.01	9.8	-	8.2	3.23	2.6	<1	129	<1	<0.1	<20.0	-	<0.05	<0.1	21	<10	1	4	<10	2	<1	6	<0.1	<1	4.7	<1
11/04/2023	SW-QT-NRML-9	3221/499/02	0.9	<5	0.04	7.99	0.03	9.5	-	8.2	5.26	5.6	<1	87	<1	<0.1	<20.0	-	<0.05	<0.1	17	<10	1	3	<10	<1	<1	2	<0.1	<1	4.7	<1
05/05/2023	SW-MO-NRML-5	3221/522/01	0.6	6	0.01	7.59	<0.01	11.7	-	1	1.69	1.6	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	9	<10	1	2	<10	-	<1	2	<0.1	<1	5.5	<1
05/05/2023	SW-MO-NRML-6	3221/522/02	1.1	9	0.01	8.03	0.01	12.8	-	10	1.24	1.3	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	18	<10	2	6	<10	-	<1	4	<0.1	<1	10.7	<1
05/05/2023	SW-MO-NRML-7	3221/522/03	1	10	0.02	7.83	0.01	11.4	-	10.1	1.5	1.4	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	81	<10	11	41	<100	-	<10	25	<0.1	<1	7.0	<1
12/05/2023	SW-QT-NRML-1	3221/527/01	1	<5	0.02	7.38	0.01	11.5	-	10.8	0.73	1.2	<1	191	<1	<0.1	<20.0	-	<0.05	<0.1	33	<10	1	6	<10	-	<1	8	<0.1	<1	3.9	<1
12/05/2023	SW-QT-NRML-2	3221/527/02	1.5	<5	0.01	7.34	0.01	11.3	-	10.7	<0.51	0.7	<1	153	<1	<0.1	<20.0	-	<0.05	<0.1	8	<10	1	2	<10	-	<1	3	<0.1	<1	2.8	<1
12/05/2023	SW-QT-NRML-3	3221/527/03	1.1	<5	0.01	7.38	0.01	11.4	-	10.9	<0.51	0.9	<1	201	<1	<0.1	<20.0	-	<0.05	<0.1	38	<10	2	4	<10	-	<1	5	<0.1	<1	7.6	<1
12/05/2023	SW-QT-NRML-4	3221/527/10	1.1	<5	0.01	7.63	0.01	12	-	10.9	1.27	1.6	<1	<50	<1	<0.1	<20.0	-	<0.05	<0.1	4	<10	1	5	<10	-	<1	5	<0.1	<1	7.7	<1
09/06/2023	SW-MO-NRML-5	3221/546/01	0.2	12	0.04	7.37	0.01	12.8	-	7.7	<0.51	0.7	<1	<50	<1	<0.1	-	-	<0.05	<0.1	10	14	1	2	<10	-	<1	2	<0.1	<1	4.8	<1
09/06/2023	SW-MO-NRML-6	3221/546/02	<10	47	4.05	7.57	0.02	13.5	-	5	<0.51	6	<1	173.5	<1	<0.1	-	-	<0.05	<0.1	19	<10	2	17	<10	-	2	3	2.1	<1	20.0	<1
09/06/2023	SW-MO-NRML-7	3221/546/03	0.9	24	0.27	7.78	0.06	12.8	-	9.6	0.83	1.3	<1	<50	<1	<0.1	-	-	<0.05	<0.1	23	<10	1	12	<10	-	3	3	<0.1	<1	4.8	<1

daa Dublin - North Runway Surface Water Monitoring - Q3, 2023

Sample Date	Sample Location	Report Reference	BOD	COD	Ammonia	pH	Ortho phosphate	Temperature	Dissolved Oxygen	Dissolved Oxygen	Nitrate	Total N	TPH	Detergents	Benzene	Anthracene	Propylene Glycol	PAH	PCB	Benzo a pyrene	Zinc	Chromium VI	Arsenic	Copper	Chromium III	Chromium	Lead	Nickel	Phenols	Xylene	Potassium	Toluene
			mg/L	mg/L	mg/L	pH units	mg/L	degrees C	%	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
10/07/2023	SW-MO-NRML-5	3221/573/01	1.6	7	0.02	7.63	0.02	14.9	-	10.1	<0.51	0.3	<1	102	<1	<0.1	-	-	<0.05	<0.1	38	<10	2	5	<10	-	2	2	<0.1	<1	8.6	<1
10/07/2023	SW-MO-NRML-6	3221/573/02	1.4	29	0.01	7.87	0.03	14.8	-	10.0	1.24	1.3	<1	51	<1	<0.1	-	-	<0.05	<0.1	10	<10	1	8	<10	-	<1	1	<0.1	<1	10.3	<1
10/07/2023	SW-MO-NRML-7	3221/573/03	1.3	11	0.01	7.88	0.03	14.6	-	10.1	<0.51	0.4	<1	69	<1	<0.1	-	-	<0.05	<0.1	10	<10	1	6	<10	-	<1	1	<0.1	<1	8.9	<1
31/07/2023	SW-QT-NRML-1	3221/588/01	0.7	21	0.11	7.53	0.02	14.7	-	9.9	1.31	1.5	<1	355	<1	<0.1	-	-	<0.05	<0.1	95	<10	2	7	<10	1	<1	8	<0.1	<1	5.0	<1
31/07/2023	SW-QT-NRML-2	3221/588/02	0.6	7	0.11	7.24	0.01	14.2	-	9.6	0.95	0.9	<1	433	<1	<0.1	-	-	<0.05	<0.1	23	<10	1	3	<10	1	1	3	<0.1	<1	4.2	<1
31/07/2023	SW-QT-NRML-3	3221/588/03	0.6	15	0.06	7.53	0.01	14.3	-	9.7	0.72	0.8	<1	749	<1	<0.1	-	-	<0.05	<0.1	46	<10	2	4	<10	<1	<1	5	<0.1	<1	9.1	<1
31/07/2023	SW-QT-NRML-4	3221/588/04	0.6	8	0.08	7.95	0.01	15.5	-	10.0	1.65	1.5	<1	554	<1	<0.1	-	-	<0.05	<0.1	14	<10	1	7	<10	1	<1	7	<0.1	<1	9.2	<1
31/07/2023	SW-QT-NRML-8	3221/588/05	0.8	18	0.07	7.57	0.02	15.2	-	9.7	2.55	2.3	<1	199	<1	<0.1	-	-	<0.05	<0.1	26	<10	1	6	<10	3	<1	7	<0.1	<1	6.0	<1
21/08/2023	SW-MO-NRML-5	3221/604/01	0.6	13	0.02	7.35	0.01	16.4	-	9.2	1.49	1.5	<1	<50	<1	<0.1	-	-	<0.05	<0.1	11	<10	1	3	<10	<1	<1	2	<0.1	<1	4.9	<1
21/08/2023	SW-MO-NRML-6	3221/604/02	0.9	15	0.07	8	0.01	16.6	-	9.9	1.69	2	<1	<50	<1	<0.1	-	-	<0.05	<0.1	4	<10	2	5	<10	3	<1	4	<0.1	<1	9.6	<1
21/08/2023	SW-MO-NRML-7	3221/604/03	0.9	13	0.11	7.95	0.01	16.0	-	9.8	1.82	1.4	<1	<50	<1	<0.1	-	-	<0.05	<0.1	5	<10	1	4	<10	2	<1	3	<0.1	<1	6.6	<1
08/09/2023	SW-QT-NRML-9	3221/617/01	1.3	36	0.02	8.4	0.03	17.4	-	9.0	2.25	2.1	<1	<50	<1	<0.1	-	-	<0.05	<0.1	4	<10	1	3	<10	<1	<1	3	<0.1	<1	4.8	<1
11/09/2023	SW-MO-NRML-5	3221/620/01	0.7	<5	0.03	7.58	<0.01	15.0	-	8.9	0.96	0.9	<1	<50	<1	<0.1	-	-	<0.05	<0.1	32	<10	1	2	<10	<1	<1	2	<0.1	<1	5.3	<1
11/09/2023	SW-MO-NRML-6	3221/620/02	0.9	9	0.16	8.04	<0.01	15.1	-	9.6	1.41	1.6	<1	255	<1	<0.1	-	-	<0.05	<0.1	6	<10	2	4	<10	2	<1	3	<0.1	<1	11.5	<1
11/09/2023	SW-MO-NRML-7	3221/620/03	1.4	6	0.15	7.87	0.01	15.8	-	9.2	2.87	2.8	<1	<50	<1	<0.1	-	-	<0.05	<0.1	20	<10	1	3	<10	1	<1	4	<0.1	<1	7.0	<1

daa Dublin - North Runway Surface Water Monitoring - Q4, 2023

Sample Date	Sample Location	Report Reference	BOD	COD	Ammonia	pH	Ortho phosphate	Temperature	Dissolved Oxygen	Dissolved Oxygen	Nitrate	Total N	TPH	Detergents	Benzene	Anthracene	Propylene Glycol	PAH	PCB	Benzo a pyrene	Zinc	Chromium VI	Arsenic	Copper	Chromium III	Chromium	Lead	Nickel	Phenols	Xylene	Potassium	Toluene
			mg/L	mg/L	mg/L	pH units	mg/L		degrees C	%	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
06/10/2023	SW-MO-SW-NRML-5	3221/642/01	0.9	24	0.02	7.74	0.02	15.7	-	9.8	1.81	1.8	<1	106	<1	<0.1	-	-	<0.05	<0.1	9	<10	1	2	<10	<1	<1	2	<0.1	<1	4.6	<1
06/10/2023	SW-MO-SW-NRML-6	3221/642/02	1.1	15	0.07	8.2	0.01	15.4	-	10.2	1.42	1.6	<1	73	<1	<0.1	-	-	<0.05	<0.1	6	<10	2	5	<10	4	<1	3	<0.1	<1	10.5	<1
06/10/2023	SW-MO-SW-NRML-7	3221/642/03	1.3	16	0.04	8	0.03	16.7	-	11.0	1.78	1.8	<1	147	<1	<0.1	-	-	<0.05	<0.1	10	<10	1	4	<10	1	<1	3	<0.1	<1	6.4	<1
09/10/2023	SW-QT-SW-NRML9	3221/644/02	0.6	<5	0.03	8.02	0.04	-	95.6	-	-	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23/10/2023	SW-QT-NRML-1	3221/658/01	0.9	24	0.02	7.54	0.04	12.6	-	10.7	0.62	0.9	<1	180	<1	<0.1	<2.0	-	<0.05	<0.1	31	<10	2	5	<10	1	<1	7	<0.1	<1	3.5	<1
23/10/2023	SW-QT-NRML-2	3221/658/02	0.7	<5	0.02	7.34	0.06	12.7	-	10.3	0.79	0.9	<1	85	<1	<0.1	<2.0	-	<0.05	<0.1	9	<10	1	2	<10	<1	<1	3	<0.1	<1	3.0	<1
23/10/2023	SW-QT-NRML-3	3221/658/03	1.2	9	0.02	7.53	0.04	13.7	-	10.6	0.95	0.9	<1	53	<1	<0.1	<2.0	-	<0.05	<0.1	9	<10	1	2	<10	1	<1	3	<0.1	<1	6.3	<1
23/10/2023	SW-QT-NRML-4	3221/658/04	1.1	17	0.01	7.7	0.03	13.1	-	10.4	0.96	0.9	<1	82	<1	<0.1	<2.0	-	<0.05	<0.1	2	<10	1	4	<10	1	<1	5	<0.1	<1	6.0	<1
23/10/2023	SW-QT-NRML-8	3221/658/05	1	14	0.02	7.67	0.04	13.4	-	10.6	1.56	1.4	<1	213	<1	<0.1	<2.0	-	<0.05	<0.1	10	<10	1	5	<10	1	<1	6	<0.1	<1	5.6	<1
13/11/2023	SW-MO-NRML-5	3221/675/01	1.9	26	0.01	7.64	0.07	10.1	-	10.6	<0.51	0.8	<1	146	<1	<0.1	<2.0	<0.1	<0.05	<0.1	18	<10	1	5	<10	1	1	3	<0.1	<1	3.7	<1
13/11/2023	SW-MO-NRML-6	3221/675/02	3.1	22	0.02	8.1	<0.01	10.4	-	10.8	<0.51	0.5	<1	160	<1	<0.1	<2.0	<0.1	<0.05	<0.1	7	<10	1	6	<10	1	1	3	<0.1	<1	4.0	<1
13/11/2023	SW-MO-NRML-7	3221/675/04	2.6	24	0.02	7.88	<0.01	10.2	-	10.7	<0.51	0.6	<1	627	<1	<0.1	<2.0	<0.1	<0.05	<0.1	12	<10	1	6	<10	1	1	3	<0.1	<1	3.6	<1
04/12/2023	NRML-5 extra	3221/696/05	4	23	-	-	-	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	14.0	-
04/12/2023	NRML-6 extra	3221/696/06	4	22	-	-	-	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1	-
04/12/2023	NRML-7 extra	3221/696/03	4	17	-	-	-	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	10.8	-
08/12/2023	SW-MO-NRML-5	3221/701/01	0.8	<5	0.03	7.6	0.02	10.1	-	10.8	1.84	1.8	<1	186	<1	<0.1	<2.0	<0.1	<0.05	<0.1	14	<10	1	2	<10	<1	<1	5	<0.1	<1	12.0	<1
08/12/2023	SW-MO-NRML-6	3221/701/02	2.7	11	0.04	7.86	<0.01	9.7	-	10.3	<0.51	0.8	<1	3023	<1	<0.1	<2.0	<0.1	<0.05	<0.1	7	<10	1	5	<10	1	<1	9	<0.1	<1	15.2	<1
08/12/2023	SW-MO-NRML-7	3221/701/03	0.6	6	0.04	7.8	0.01	9.4	-	10.6	1.2	1.3	<1	73	<1	<0.1	<2.0	<0.1	<0.05	<0.1	17	<10	1	4	<10	1	<1	10	<0.1	<1	13.3	<1

daa Dublin - North Runway Surface Water Monitoring - Q1, 2024

Sample Date	Sample Location	Report Reference	BOD	COD	Ammonia	pH	Ortho phosphate	Temperature	Dissolved Oxygen	Dissolved Oxygen	Nitrate	Total N	TPH	Detergents	Benzene	Anthracene	Propylene Glycol	PAH	PCB	Benzo a pyrene	Zinc	Chromium VI	Arsenic	Copper	Chromium III	Chromium	Lead	Nickel	Phenols	Xylene	Potassium	Toluene
			mg/L	mg/L	mg/L	pH units	mg/L	degrees C	%	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
02/01/2024	SW-MO-NRML-5	3221/718/01	1.5	6	0.03	7.68	0.02	9.3	-	10.2	2.39	2.2	<1	260	<1	<0.1	<2.0	<0.1	<0.05	<0.1	17	<10	1	3	<10.0	1	1	3	<0.1	<1	4.5	<1
02/01/2024	SW-MO-NRML-6	3221/718/02	1.6	14	0.22	7.82	0.01	9.0	-	10.3	0.83	1	<1	357	<1	<0.1	<2.0	<0.1	<0.05	<0.1	5	<10	2	6	<10.0	2	1	4	<0.1	<1	5.5	<1
02/01/2024	SW-MO-NRML-7	3221/718/03	1.8	17	0.05	7.81	0.03	9.0	-	10.2	1.62	1.7	<1	102	<1	<0.1	<2.0	<0.1	<0.05	<0.1	10	<10	1	4	<10.0	1	1	3	<0.1	<1	4.8	<1
08/01/2024	NRML5 - Extra	3221/723/02	2.8	19	-	-	-	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-
08/01/2024	NRML6 - Extra	3221/723/04	6	28	-	-	-	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	7.6	-
08/01/2024	NRML7 - Extra	3221/723/01	5.6	22	-	-	-	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	6.6	-
19/01/2024	SW-QT-NRML-1	3221/740/01	<4	7	0.03	7.86	0.04	7.7	-	10.4	0.75	0.8	<1	104	<1	<0.1	<2.0	-	<0.05	<0.1	27	<10	1	2	<10.0	<1	<1	4	<0.1	<1	2.6	<1
19/01/2024	SW-QT-NRML-2	3221/740/02	0.4	13	0.04	7.29	0.01	9.0	-	7.7	0.82	0.6	<1	215	<1	<0.1	<20.0	-	<0.05	<0.1	13	<10	1	<2	<10.0	<1	<1	2	<0.1	<1	2.9	<1
19/01/2024	SW-QT-NRML-3	3221/740/03	0.02	10	0.03	7.85	0.08	7.8	-	10.9	0.6	0.5	<1	<50	<1	<0.1	<2.0	-	<0.05	<0.1	4	<10	<1	<2	<10.0	<1	<1	1	<0.1	<1	3.3	<1
19/01/2024	SW-QT-NRML-4	3221/740/04	0.3	<5	0.03	7.98	0.03	6.8	-	10.2	1.69	1.1	<1	87	<1	<0.1	<2.0	-	<0.05	<0.1	10	<10	1	5	<10.0	1	<1	1	<0.1	<1	4.8	<1
22/01/2024	SW-MO-NRML-8	3221/744/05	0.1	9	0.03	7.77	0.03	8.8	-	10.3	1.9	1.8	<1	439	<1	<0.1	<20.0	<0.1	<0.05	<0.1	16	<10	1	3	<10.0	<1	<1	3	<0.1	<1	4.3	<1
22/01/2024	SW-QT-NRML-9	3221/744/04	2.1	10	0.07	7.92	0.05	6.9	-	10.2	3.59	3.6	<1	158	<1	<0.1	<20.0	<0.1	<0.05	<0.1	12	<10	1	3	<10.0	<1	<1	1	<0.1	<1	12.9	<1
25/01/2024	NRML5 - Extra	3221/745/02	8	25	-	-	-	-	-	-	-	-	-	-	-	-	<200	-	-	-	-	-	-	-	-	-	-	-	-	-	44.5	-
25/01/2024	NRML6 - Extra	3221/745/01	21	47	-	-	-	-	-	-	-	-	-	-	-	-	<200	-	-	-	-	-	-	-	-	-	-	-	-	-	58.1	-
25/01/2024	NRML7 - Extra	3221/745/03	9	25	-	-	-	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	40.9	-
31/01/2024	NRML5 - Extra	3221/753/02	0.5	8	-	-	-	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	-
31/01/2024	NRML6 - Extra	3221/753/01	3	16	-	-	-	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	14.7	-
31/01/2024	NRML7 - Extra	3221/753/04	0.8	10	-	-	-	-	-	-	-	-	-	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	10.0	-
19/02/2024	SW-MO-NRML-5	3221/769/01	<2	11	0.19	7.62	0.02	9.1	-	10.3	3.11	2.2	<1	<50	<1	<0.1	<2.0	<0.1	<0.05	<0.1	29	<10	1	3	<10.0	<1	1	2	<0.1	<1	5.5	<1
09/02/2024	SW-MO-NRML-6	3221/759/04	4.3	23	0.04	8.15	<0.01	7.3	-	10.5	<0.51	1.8	<1	131	<1	<0.1	<2.0	<0.1	<0.05	<0.1	28	<10	2	7	<10.0	2	2	4	<0.1	<1	6.6	<1
09/02/2024	SW-MO-NRML-7	3221/759/05	3.3	14	0.03	7.82	<0.01	7.7	-	10.5	1.15	0.4	<1	333	<1	<0.1	<2.0	1.15	<0.05	<0.1	32	<10	1	6	<10.0	1	2	3	<0.1	<1	7.0	<1
11/03/2024	SW-MO-NRML-5	3221/790/01	1.3	8	0.02	7.63	0.04	7.9	-	10.2	3.15	2.9	<4	71	<1	<0.4	<2.0	<0.4	<0.2	<0.4	9	<10	1	2	<10.0	<1	<1	1	<0.4	<1	4.7	<1
11/03/2024	SW-MO-NRML-6	3221/790/02	0.5	13	0.06	7.93	0.04	8.2	-	10.9	1.43	1.4	<1	69	<1	<0.1	<2.0	<0.1	<0.05	<0.1	9	<10	2	3	<10.0	1	<1	3	<0.1	<1	9.4	<1
11/03/2024	SW-MO-NRML-7	3221/790/03	3.5	18	0.08	7.83	0.04	8.5	-	10.0	2.53	2.5	<1	<50	<1	<0.1	<2.0	<0.1	<0.05	<0.1	17	<10	1	3	<10.0	1	<1	2	<0.1	35	5.5	128

daa Dublin - North Runway Surface Water Monitoring - Q2, 2024

Sample Date	Sample Location	Report Reference	BOD	COD	Ammonia	pH	Ortho phosphate	Temperature	Dissolved Oxygen	Dissolved Oxygen	Nitrate	Total N	TPH	Detergents	Benzene	Anthracene	Propylene Glycol	PAH	PCB	Benzo a pyrene	Zinc	Chromium VI	Arsenic	Copper	Chromium III	Chromium	Lead	Nickel	Phenols	Xylene	Potassium	Toluene
			mg/L	mg/L	mg/L	pH units	mg/L	degrees C	%	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
08-04-2024	SW-MO-NRML-5	3221/2404815/01	0.5	9	0.04	7.71	0.01	9.5	-	10.2	1.65	1.5	<2	81	<1	<0.2	<2.0	<0.2	<0.1	<0.2	24	<10	1	3	<10.0	<1	<1	1	<0.2	<1	3.2	<1
08-04-2024	SW-MO-NRML-6	3221/2404815/02	0.7	8	0.07	7.91	<0.01	9.4	-	10.5	1.03	1.2	<1	231	<1	<0.1	<2.0	<0.1	<0.05	<0.1	23	<10	2	3	<10.0	1	<1	3	<0.1	<1	6.9	<1
08-04-2024	SW-MO-NRML-7	3221/2404815/03	1.5	11	0.08	7.82	0.01	9.4	-	10.2	1.59	2	<1	79	<1	<0.1	<2.0	<0.1	<0.05	<0.1	34	<10	1	5	<10.0	1	1	2	<0.1	13	4.4	81
26-04-2024	SW-QT-NRML-9	3221/2404831/04	1.1	10	0.05	8.2	0.04	12.0	-	10.2	4.81	4	<1	1194	<1	<0.1	<2.0	<0.1	<0.05	<0.1	7	<10	1	3	<10	<1	<1	3	<0.1	<1	3.5	<1
29-04-2024	SW-QT-NRML-1	3221/2404833/01	1.1	41	0.04	7.69	0.01	10.2	-	10.2	0.64	0.8	<1	129	<1	<0.1	<2.0	-	<0.05	<0.1	50	<10	1	3	<10.0	1	<1	6	<0.1	<1	2.5	<1
29-04-2024	SW-QT-NRML-2	3221/2404833/02	0.4	16	0.06	7.27	<0.01	10.1	-	10.0	<0.51	0.4	<1	119	<1	<0.1	<2.0	-	<0.05	<0.1	14	<10	1	<2	<10.0	<1	<1	3	<0.1	<1	3.5	<1
29-04-2024	SW-QT-NRML-3	3221/2404833/03	0.3	14	0.02	7.64	0.01	10.4	-	10.0	<0.51	0.7	<1	167	<1	<0.1	<2.0	-	<0.05	<0.1	33	<10	2	2	<10.0	<1	<1	4	<0.1	<1	9.5	<1
29-04-2024	SW-QT-NRML-4	3221/2404833/04	0.8	33	0.03	7.91	0.01	10.1	-	10.3	0.81	0.8	<1	129	<1	<0.1	<2.0	-	<0.05	<0.1	16	<10	1	5	<10.0	1	<1	4	<0.1	<1	5.8	<1
29-04-2024	SW-QT-NRML-8	3221/2404833/05	0.4	36	0.03	7.66	0.01	9.8	-	10.2	0.89	0.8	<2	131	<1	<0.2	<2.0	-	<0.1	<0.2	13	<10	1	3	<10.0	<1	<1	4	<0.2	<1	3.3	<1
13-05-2024	SW-MO-NRML-5	3221/2405854/01	1.5	21	0.02	7.63	<0.01	11.5	-	10.0	1.03	0.9	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	10	<10	1	3	<10.0	<1	<1	1	<0.1	<1	3.5	<1
13-05-2024	SW-MO-NRML-6	3221/2405854/02	0.8	9	0.16	8.08	0.01	10.7	-	10.1	1.03	1.1	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	17	<10	4	3	<10.0	1	<1	3	<0.1	<1	8.4	<1
13-05-2024	SW-MO-NRML-7	3221/2405854/03	3	46	0.25	7.75	0.01	11.8	-	9.9	1.26	1.2	<1	399	<1	<0.1	<2.0	<0.1	<0.05	<0.1	54	<10	1	23	<10.0	2	1	3	<0.1	<1	5.1	<1
10-06-2024	SW-MO-NRML-5	3221/2406881/01	1.8	32	0.01	7.66	<0.01	12.3	-	9.5	<0.51	0.5	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	10	<10	1	2	<10	<1	<1	1	<0.1	<1	4.4	<1
10-06-2024	SW-MO-NRML-6	3221/2406881/02	3.3	7	0.16	8.05	0.01	12.4	-	9.4	1.21	1.2	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	5	<10	4	2	<10	1	<1	2	<0.1	<1	10.6	<1
10-06-2024	SW-MO-NRML-7	3221/2406881/03	0.6	19	0.02	7.95	0.01	13.2	-	9.6	0.98	0.8	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	13	<10	1	4	<10	1	<1	2	<0.1	<1	4.3	<1

daa Dublin - North Runway Surface Water Monitoring - Q3, 2024

Sample Date	Sample Location	Report Reference	BOD	COD	Ammonia	pH	Ortho phosphate	Temperature	Dissolved Oxygen	Dissolved Oxygen	Nitrate	Total N	TPH	Detergents	Benzene	Anthracene	Propylene Glycol	PAH	PCB	Benzo a pyrene	Zinc	Chromium VI	Arsenic	Copper	Chromium III	Chromium	Lead	Nickel	Phenols	Xylene	Potassium	Toluene
			mg/L	mg/L	mg/L	pH units	mg/L	degrees C	%	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
08-07-2024	SW-MO-NRML-5	3221/2407907/01	1	13	0.82	7.7	0.01	15.2	-	10.0	<0.51	0.3	<1	<100	<1	<0.1	-	<0.1	<0.05	<0.1	5	<10	60	26	17	17	<1	9	<0.1	<1	5.5	<1
08-07-2024	SW-MO-NRML-6	3221/2407907/02	0.6	10	0.14	8.09	0.01	13.0	-	10.4	1.05	1	<1	<100	<1	<0.1	-	<0.1	<0.05	<0.1	2	<10	3	3	<10.0	1	<1	2	<0.1	<1	9.8	<1
08-07-2024	SW-MO-NRML-7	3221/2407907/03	2.2	20	1.93	7.93	0.21	15.1	-	10.4	0.64	2.6	<1	128	<1	<0.1	-	<0.1	<0.05	<0.1	15	<10	1	4	<10.0	<1	<1	1	<0.1	<1	4.7	<1
16-08-2024	SW-MO-NRML-5	3221/2408941/01	0.3	13	0.01	7.77	0.01	14.3	-	7.3	<0.51	0.2	<1	<100	<1	<0.1	-	<0.1	<0.05	<0.1	28	<10	2	5	<10.0	<1	2	3	<0.1	<1	6.2	<1
16-08-2024	SW-MO-NRML-6	3221/2408941/02	0.1	<5	0.14	8.28	0.02	14.3	-	9.1	1.23	1.2	<1	<100	<1	<0.1	-	<0.1	<0.05	<0.1	2	<10	4	3	<10.0	1	<1	2	<0.1	<1	13.1	<1
16-08-2024	SW-MO-NRML-7	3221/2408941/03	2	8	0.02	8.13	0.01	15.2	-	8.9	0.67	0.7	<1	<100	<1	<0.1	-	<0.1	<0.05	<0.1	7	<10	1	3	<10.0	<1	<1	2	<0.1	<1	4.4	<1
19-08-2024	SW-QT-NRML-9	3221/2408943/05	1.2	<5	0.01	7.92	0.07	14.1	-	10.2	<0.51	0.8	<1	<100	<1	<0.1	-	<0.1	<0.05	<0.1	5	<10	1	2	<10.0	<1	<1	1	<0.1	<1	3.5	<1
23-08-2024	SW-QT-NRML-1	3221/2408948/01	<4	12	0.06	7.67	0.08	14.3	-	8.4	2.55	2.9	<1	139	<1	<0.1	-	<0.1	<0.05	<0.1	260	<10	1	4	<10.0	<1	<1	3	<0.1	<1	8.7	<1
23-08-2024	SW-QT-NRML-2	3221/2408948/02	<4	22	0.03	7.67	<0.01	14.8	-	8.9	1.76	2.4	<1	285	<1	<0.1	-	<0.1	<0.05	<0.1	9	<10	1	3	<10.0	1	1	3	<0.1	<1	2.1	<1
23-08-2024	SW-QT-NRML-3	3221/2408948/03	<4	12	0.13	7.55	0.01	14.6	-	8.3	<0.51	0.9	<1	124	<1	<0.1	-	<0.1	<0.05	<0.1	33	<10	3	3	<10.0	<1	<1	5	<0.1	<1	8.9	<1
23-08-2024	SW-QT-NRML-8	3221/2408948/04	<4	19	0.14	7.59	0.08	15.1	-	8.1	2.85	3.3	<1	201	<1	<0.1	-	<0.1	<0.05	<0.1	230	<10	2	3	<10.0	<1	<1	4	<0.1	<1	10.0	<1
30-08-2024	SW-QT-NRML-4	3221/2408956/01	<10	<5	0.05	8.35	0.02	17.3	-	10.0	1.06	1.1	<1	<100	<1	<0.1	-	<0.1	<0.05	<0.1	32	<10	3	9	<10.0	1	<1	3	<0.1	<1	18.3	<1
09-09-2024	SW-MO-NRML-5	3221/2409965/01	0.7	5	0.04	7.82	0.02	13.2	-	9.7	<0.51	0.4	<1	<100	<1	<0.1	-	<0.1	<0.05	<0.1	3	<10	1	<2	<10.0	<1	<1	1	<0.1	<1	7.2	<1
09-09-2024	SW-MO-NRML-6	3221/2409965/02	0.4	6	0.14	8.29	0.01	13.5	-	10.2	0.94	0.9	<1	<100	<1	<0.1	-	<0.1	<0.05	<0.1	2	<10	3	3	<10.0	1	<1	2	<0.1	<1	10.8	<1
09-09-2024	SW-MO-NRML-7	3221/2409965/03	0.7	<5	0.05	8.13	0.02	12.9	-	10.3	0.56	0.6	<1	<100	<1	<0.1	-	<0.1	<0.05	<0.1	5	<10	1	2	<10.0	<1	<1	1	<0.1	<1	3.8	<1



daa Dublin - North Runway Surface Water Monitoring - Q1, 2025

Sample Date	Sample Location	Report Reference	BOD	COD	Ammonia	pH	Ortho phosphate	Temperature	Dissolved Oxygen	Dissolved Oxygen	Nitrate	Total N	TPH	Detergents	Benzene	Anthracene	Propylene Glycol	PAH	PCB	Benzo a pyrene	Zinc	Chromium VI	Arsenic	Copper	Chromium III	Chromium	Lead	Nickel	Phenols	Xylene	Potassium	Toluene
			mg/L	mg/L	mg/L	pH units	mg/L	degrees C	%	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
06-01-2025	NRML 7 EXTRA	3221/2501057/02	7.5	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.1	-
06-01-2025	NRML 6 EXTRA	3221/2501057/03	16	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.6	-
06-01-2025	NRML 5 EXTRA	3221/2501057/04	2.3	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-
10-01-2025	NRML-7-EXTRA	3221/2501062/01	2.4	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.4	-
10-01-2025	NRML-6-EXTRA	3221/2501062/02	11	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.1	-
10-01-2025	NRML-5-EXTRA	3221/2501062/03	2.2	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	-
13-01-2025	SW-MO-NRML-5	3221/2501064/01	2.7	8	0.03	7.65	0.01	9.3	-	10.8	2.88	2.9	<1	145	<1	<0.1	<2.0	<0.1	<0.05	<0.1	11	<10.00	1	2	<10.0	<1	<1	2	<0.1	<1	13.8	<1
13-01-2025	SW-MO-NRML-6	3221/2501064/02	3.9	18	0.05	7.93	<0.01	9.4	-	11	1.13	1.3	<1	122	<1	<0.1	<2.0	<0.1	<0.05	<0.1	5	<10.00	4	4	<10.0	2	<1	4	<0.1	<1	18.1	<1
13-01-2025	SW-MO-NRML-7	3221/2501064/03	2.5	18	0.01	7.88	<0.01	9.6	-	11	2.11	2.1	<1	115	<1	<0.1	<2.0	<0.1	<0.05	<0.1	40	<10.00	2	15	<10.0	2	1	3	<0.1	<1	17.2	<1
27-01-2025	NRML 7 EXTRA	3221/2501077/01	1.4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.2	-
27-01-2025	NRML 6 EXTRA	3221/2501077/02	4.9	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.2	-
27-01-2025	NRML 5 EXTRA	3221/2501077/03	1.6	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.3	-
10-02-2025	SW-MO-NRML-5	3221/2502089/01	1.2	10	0.14	7.92	0.04	6.9	-	10.6	2.65	2.7	<1	294	<1	<0.1	<2.0	<0.1	<0.05	<0.1	21	<10.00	1	2	<10.0	<1	<1	2	<0.1	<1	7.6	<1
10-02-2025	SW-MO-NRML-6	3221/2502089/02	1.2	14	0.04	8.04	<0.01	7.8	-	10.4	1.19	1.3	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	22	<10.00	3	3	<10.0	2	<1	4	<0.1	<1	16.8	<1
10-02-2025	SW-MO-NRML-7	3221/2502089/03	0.8	8	0.04	8.1	0.01	6.6	-	10.8	2.18	2.2	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	13	<10.00	1	3	<10.0	1	<1	2	<0.1	<1	9.9	<1
21-02-2025	SW-QT-NRML-1	3221/2502097/01	1.0	22	<0.01	7.84	0.01	9.3	-	9.9	3.03	3.1	<1	353	<1	<0.1	<2.0	<0.1	<0.05	<0.1	19	<10.00	1	4	<10.0	1	<1	5	<0.1	<1	3	<1
21-02-2025	SW-QT-NRML-2	3221/2502097/02	1.3	16	<0.01	7.48	<0.01	10.1	-	7.1	1.16	1.1	<1	221	<1	<0.1	<2.0	<0.1	<0.05	<0.1	8	<10.00	1	2	<10.0	<1	<1	2	<0.1	<1	3.4	<1
21-02-2025	SW-QT-NRML-3	3221/2502097/03	1.8	14	0.01	7.83	<0.01	9.2	-	9.4	1.36	1.3	<1	329	<1	<0.1	<2.0	<0.1	<0.05	<0.1	10	<10.00	2	2	<10.0	1	<1	4	<0.1	<1	7.4	<1
21-02-2025	SW-QT-NRML-4	3221/2502097/04	0.9	21	<0.01	7.98	0.01	9.4	-	9.5	0.88	1	<1	236	<1	<0.1	<2.0	<0.1	<0.05	<0.1	8	<10.00	1	5	<10.0	1	<1	5	<0.1	<1	5.8	<1
21-02-2025	SW-QT-NRML-8	3221/2502097/05	0.7	20	<0.01	7.96	0.01	9.3	-	9.5	0.9	1	<1	205	<1	<0.1	<2.0	<0.1	<0.05	<0.1	7	<10.00	1	5	<10.0	1	<1	5	<0.1	<1	5.9	<1
03-03-2025	SW-QT-NRML-9	3221/2503104/07	1.3	6	0.06	8.19	0.03	11	-	10.5	4.52	4.5	<1	157	<1	<0.1	<2.0	<0.1	<0.05	<0.1	12	<10.00	1	4	<10.0	1	1	3	<0.1	<1	5	<1
10-03-2025	SW-MO-NRML-5	3221/2503111/01	0.3	7	0.01	7.93	0.01	9.2	-	7.1	2.11	2.1	<1	289	<1	<0.1	<2.0	<0.1	<0.05	<0.1	6	<10.00	1	<2	<10.0	<1	<1	1	<0.1	<1	5.9	<1
10-03-2025	SW-MO-NRML-6	3221/2503111/02	0.3	15	0.1	8.04	<0.01	8.8	-	6.7	1.03	1.2	<1	148	<1	<0.1	<2.0	<0.1	<0.05	<0.1	8	<10.00	3	3	<10.0	1	<1	3	<0.1	<1	18.6	<1
10-03-2025	SW-MO-NRML-7	3221/2503111/03	0.9	18	0.24	8.12	0.04	8.6	-	6.4	1.72	2	<1	128	<1	<0.1	<2.0	<0.1	<0.05	<0.1	8	<10.00	1	2	<10.0	1	<1	2	<0.1	<1	8	<1

daa Dublin - North Runway Surface Water Monitoring - Q2, 2025

Sample Date	Sample Location	Report Reference	BOD	COD	Ammonia	pH	Ortho phosphate	Temperature	Dissolved Oxygen	Dissolved Oxygen	Nitrate	Total N	TPH	Detergents	Benzene	Anthracene	Propylene Glycol	PAH	PCB	Benzo a pyrene	Zinc	Chromium VI	Arsenic	Copper	Chromium III	Chromium	Lead	Nickel	Phenols	Xylene	Potassium	Toluene
			mg/L	mg/L	mg/L	pH units	mg/L	degrees C	%	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
14-04-2025	SW-MO-NRML-5	3221/2504136/01	1.3	8	0.01	7.9		<0.01	10.7	9.8	1.23	0.8	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	5	<10.00	1	2	<10.0	<1	<1	1	<0.1	<1	<1	<1
14-04-2025	SW-MO-NRML-6	3221/2504136/02	0.8	11	0.12	8.08		0.01	9.7	10.2	0.89	1.1	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	<2	<10.00	4	2	<10.0	1	<1	2	<0.1	<1	<1	<1
14-04-2025	SW-MO-NRML-7	3221/2504136/03	0.8	19	0.14	7.99		0.01	10	9.1	1.3	1.3	<1	172	<1	<0.1	<2.0	<0.1	<0.05	<0.1	13	<10.00	1	8	<10.0	1	<1	2	<0.1	<1	<1	<1
06-05-2025	SW-MO-NRML-5	3221/2505148/01	1.9	14	0.03	7.76		<0.01	11.9	10.5	1.01	1.1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	6		<10.00	1	2	<10.0	<1	<1	1	<1	4.7	<1	
06-05-2025	SW-MO-NRML-6	3221/2505148/02	0.5	10	0.09	7.96		<0.01	10.7	10.4	1.18	1.2	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	3		<10.00	3	2	<10.0	2	<1	3	<1	17.9	<1	
06-05-2025	SW-MO-NRML-7	3221/2505148/03	0.9	7	0.05	8.08		<0.01	11.4	10.7	0.97	1.1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	6		<10.00	1	2	<10.0	1	<1	2	<1	7.3	<1	
16-05-2025	SW-MO-NRML-9	3221/2505156/07	1.3	11	0.06	8.18		0.02	16.1	9.6	1.91	1.8	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	5		<10.00	1	2	<10.0	<1	<1	3	<1	3.4	<1	
23-05-2025	SW-QT-NRML-1	3221/2505163/01	1.4	21	0.03	7.78	0.01	11.7		8.5	1.89	1.9	<1	230	<1	<0.1	<2.0	<0.1	<0.05	<0.1	43	<10.00	1	5	<10.0	1	<1	3	<0.1	<1	3.6	<1
23-05-2025	SW-QT-NRML-2	3221/2505163/02	0.3	11	0.05	7.75	0.01	11.7		8.3	0.52	0.6	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	11	<10.00	1	<2	<10.0	<1	<1	<1	<0.1	<1	5.9	<1
23-05-2025	SW-QT-NRML-3	3221/2505163/03	0.1	8	0.02	7.5	0.01	12.5		6.8	<0.51	0.6	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	44	<10.00	2	<2	<10.0	<1	<1	3	<0.1	<1	10.5	<1
23-05-2025	SW-QT-NRML-4	3221/2505163/04	0.9	16	0.02	8.02	0.01	13.6		7.9	0.93	1	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	13	<10.00	1	8	<10.0	1	<1	4	<0.1	<1	7	<1
23-05-2025	SW-QT-NRML-8	3221/2505163/05	0.5	12	0.04	7.49	0.01	13.9		8.7	1.64	1.4	<1	<100	<1	<0.1	<2.0	<0.1	<0.05	<0.1	41	<10.00	1	3	<10.0	1	<1	5	<0.1	<1	5.1	<1
24-06-2025	SW-MO-NRML-5	3221/2506184/01	0.5	10	<0.01	7.91	0.01	14.9		7.5	<0.51	0.4	<1	178	<1	<0.1	<2000	<0.1	<0.05	<0.1	6	<10.00	1	4	<10.0	1	<1	1	<0.1	<1	5.5	<1
24-06-2025	SW-MO-NRML-6	3221/2506184/02	0.5	10	0.03	8.27	0.01	14		9	0.96	1.2	<1	197	<1	<0.1	<2.0	<0.1	<0.05	<0.1	4	<10.00	2	3	<10.0	2	<1	2	<0.1	<1	18.9	<1
24-06-2025	SW-MO-NRML-7	3221/2506184/03	1.2	19	0.42	8.02	0.09	14.8		8.4	0.63	1.4	<1	291	<1	<0.1	<2.0	<0.1	<0.05	<0.1	17	<10.00	1	10	<10.0	2	<1	2	<0.1	<1	7.9	<1