

Glenfield Waste Services Landfill Facility

EPL 4614 — Annual Return Monitoring Data Summary — 2022-2023 Licence Year

Discharge and Monitoring Point 1 — Dam B1 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH	0.01	pH units	17	17	7.1	7.56471	8.2
Conductivity	1	uS/cm	17	17	330	602.941	920
Ammonia	0.01	mg/L	17	17	0.01	0.229286	0.59
Total Suspended Solids carbon	1	mg/L	17	17	10	47.1176	170
Total Organic Carbon	1	mg/L	17	17	5.2	8.53529	13

Discharge and Monitoring Point 2 — Dam B7 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH	0.01	pH units	4	4	7.8	7.825	7.9
Conductivity	1	uS/cm	4	4	1100	1100	1100
Ammonia	0.01	mg/L	4	4	7.4	8.6	9.4
Total Suspended Solids carbon	1	mg/L	4	4	18	30.75	54
Total Organic Carbon	1	mg/L	4	4	19	25.25	33

Monitoring Point 3 — LP001A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	7.02	7.755	8.78
Electrical Conductivity (field)	1	uS/cm	0	4	2772	5246	9274
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.45	1.5	2.59
Redox (field)	0.1	mV	0	4	-104	-11.4	63.9
Temperature (field)	0.1	deg c	0	4	24.4	28.6	32.5
Standing Water Level	0.1	m	1	4	10.8	11.575	12.3
pH (lab)	0.1	pH units	1	4	7.3	7.9	8.3
Electrical Conductivity (lab)	1	uS/cm	4	4	2500	5900	10000
Ammonia(N)	0.01	mg/L	1	4	50	243.75	450
Chloride	1	mg/L	1	4	98	797	1500
Sulphate (S)	1	mg/L	1	4	15	91.75	170
Fluoride	0.1	mg/L	1	4	0.9	1.125	1.4
Total Alkalinity as CaCO3	1	mg/L	1	4	600	1440	3200
Calcium	1	mg/L	1	4	83	115.75	130

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Magnesium	1	mg/L	1	4	72	120.25	210
Potassium	1	mg/L	1	4	40	155	290
Sodium	1	mg/L	1	4	270	767.5	1300
Phosphate	0.1	mg/L	1	4	BDL	0.746667	1.2
Total Phosphorous	0.05	mg/L	1	4	BDL	1.3	1.4
Total Organic Carbon	0.02	mg/L	1	4	BDL	247.667	360
Total Kjeldahl Nitrogen	1	mg/L	0	4	85	208.75	520
Nitrate (as N)	0.01	mg/L	1	4	BDL	BDL	BDL
Nitrite (as N)	0.1	mg/L	1	4	BDL	BDL	BDL
Total Dissolved Solids	5	mg/L	1	1	5800	5800	5800
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.67	0.67	0.67
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.093	0.093	0.093
Cobalt (filtered)	0.001	mg/L	1	1	0.015	0.015	0.015
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.34	0.34	0.34
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Benzene	0.001	mg/L	1	1	0.003	0.003	0.003
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	3.1	3.1	3.1
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.5	0.5	0.5
TRH C16 - C34 (F3)	0.1	mg/L	1	1	2.5	2.5	2.5
TRH C34 - C40 (F4)	0.1	mg/L	1	1	0.1	0.1	0.1
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 4 — LP003

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	7.34	7.4675	7.61
Electrical Conductivity (field)	1	uS/cm	0	4	1787	4027.5	5503
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.2	1.46	1.88
Redox (field)	0.1	mV	0	4	26.3	224.675	604
Temperature (field)	0.1	deg c	0	4	22.2	24.775	26.8
Standing Water Level	0.1	m	1	4	16.4	17.2	18
pH (lab)	0.1	pH units	1	4	7.7	7.95	8.1
Electrical Conductivity (lab)	1	uS/cm	4	4	3700	4225	5000
Ammonia(N)	0.01	mg/L	1	4	83	143.25	190
Chloride	1	mg/L	1	4	78	339.5	510
Sulphate (S)	1	mg/L	1	4	16	86.25	160
Fluoride	0.1	mg/L	1	4	BDL	0.9	0.9
Total Alkalinity as CaCO3	1	mg/L	1	4	BDL	2166.67	2800
Calcium	1	mg/L	1	4	63	77.5	89
Magnesium	1	mg/L	1	4	77	95.75	110
Potassium	1	mg/L	1	4	48	74.5	94
Sodium	1	mg/L	1	4	510	670	870
Phosphate	0.1	mg/L	1	4	0.04	0.1625	0.24
Total Phosphorous	0.05	mg/L	1	4	BDL	0.14	0.24
Total Organic Carbon	0.02	mg/L	1	4	BDL	144.5	220
Total Kjeldahl Nitrogen	1	mg/L	0	4	38	154.5	200
Nitrate (as N)	0.01	mg/L	1	4	BDL	0.41	0.79
Nitrite (as N)	0.1	mg/L	1	4	BDL	0.185	0.25
Total Dissolved Solids	5	mg/L	1	1	2100	2100	2100
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Barium (filtered)	0.02	mg/L	1	1	1	1	1
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.59	0.59	0.59
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	2.27	2.27	2.27
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.37	0.37	0.37
TRH C16 - C34 (F3)	0.1	mg/L	1	1	1.9	1.9	1.9
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 5 — LP002

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	5.63	6.2275	6.54
Electrical Conductivity (field)	1	uS/cm	0	4	265.6	920.9	1553
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.94	1.245	1.82
Redox (field)	0.1	mV	0	4	-120.6	-35.6	-2.1
Temperature (field)	0.1	deg c	0	4	23.8	26.3	29
Standing Water Level	0.1	m	1	4	6.4	17.6	22
pH (lab)	0.1	pH units	1	4	6.8	7.3	7.9
Electrical Conductivity (lab)	1	uS/cm	4	4	600	1062.5	1400
Ammonia(N)	0.01	mg/L	1	4	2.9	12.825	27

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Chloride	1	mg/L	1	4	21	124.25	380
Sulphate (S)	1	mg/L	1	4	180	277.5	410
Fluoride	0.1	mg/L	1	4	BDL	0.85	1.1
Total Alkalinity as CaCO3	1	mg/L	1	4	BDL	290	420
Calcium	1	mg/L	1	4	70	121.75	190
Magnesium	1	mg/L	1	4	20	28.75	35
Potassium	1	mg/L	1	4	7	14.175	21
Sodium	1	mg/L	1	4	35	86.25	150
Phosphate	0.1	mg/L	1	4	BDL	0.16	0.26
Total Phosphorous	0.05	mg/L	1	4	BDL	0.015	0.02
Total Organic Carbon	0.02	mg/L	1	4	BDL	17.2667	24
Total Kjeldahl Nitrogen	1	mg/L	0	4	3.3	18.175	47
Nitrate (as N)	0.01	mg/L	1	4	BDL	BDL	BDL
Nitrite (as N)	0.1	mg/L	1	4	BDL	BDL	BDL
Total Dissolved Solids	5	mg/L	1	1	540	540	540
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
Barium (filtered)	0.02	mg/L	1	1	0.1	0.1	0.1
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.008	0.008	0.008
Cobalt (filtered)	0.001	mg/L	1	1	0.006	0.006	0.006
Copper (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.33	0.33	0.33
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.014	0.014	0.014
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	0.002	0.002	0.002
Total Xylene	0.003	mg/L	1	1	0.023	0.023	0.023
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.18	0.18	0.18

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.18	0.18	0.18
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	0.001	0.001	0.001
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 6 — BH8A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	4.34	4.555	4.84
pH (field)	0.01	pH units	0	4	6.59	6.775	7.07
Electrical Conductivity (field)	1	uS/cm	0	4	621	1099	1278
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.18	0.59	0.85
Redox (field)	0.1	mV	0	4	-116.4	-111.05	-105.1
Temperature (field)	0.1	deg c	0	4	17.3	19.1	20.6
Ammonia(N)	0.01	mg/L	4	4	BDL	0.94	1.2
Chloride	1	mg/L	4	4	110	232.5	350
pH	0.1	pH units	4	4	7.1	7.55	8.4
Sulphate (S)	5	mg/L	4	4	35	45.25	58
Total Dissolved Solids	10	mg/L	4	4	550	660	740
Total Organic Carbon	5	mg/L	4	4	BDL	23	42
Total Alkalinity as CaCO3	20	mg/L	4	4	180	247.5	280
Calcium	0.5	mg/L	4	4	30	32.75	36
Magnesium	0.5	mg/L	4	4	29	33	36
Potassium	0.5	mg/L	4	4	6.5	7.675	8.5
Sodium	0.5	mg/L	4	4	150	182.5	220
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	1	1.2	1.2	1.2
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.21	0.21	0.21
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.81	0.81	0.81
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.013	0.013	0.013
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.1	0.1	0.1
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.1	0.1	0.1
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 7 — BH1B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	8.2	8.46	8.77
pH (field)	0.01	pH units	0	4	7.08	7.12	7.18
Electrical Conductivity (field)	1	uS/cm	0	4	2378	2751.75	3046
Dissolved Oxygen (field)	0.01	mg/L	0	3	0.62	1.05	1.79
Redox (field)	0.1	mV	0	4	-122.3	-102.875	-76.5
Temperature (field)	0.1	deg c	0	4	17.1	18.8	20.8
Ammonia(N)	0.01	mg/L	4	4	1.7	1.95	2.2
Chloride	1	mg/L	4	4	690	732.5	790

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH	0.1	pH units	4	4	7.6	7.925	8.4
Sulphate (S)	5	mg/L	4	4	BDL	17.7333	30
Total Dissolved Solids	10	mg/L	4	4	1300	1450	1600
Total Organic Carbon	5	mg/L	4	4	BDL	7.85	8
Total Alkalinity as CaCO3	20	mg/L	4	4	BDL	326.667	370
Calcium	0.5	mg/L	4	4	76	91.5	110
Magnesium	0.5	mg/L	4	4	33	35.5	41
Potassium	0.5	mg/L	4	4	11	13.25	15
Sodium	0.5	mg/L	4	4	390	437.5	510
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.6	0.6	0.6
Nitrate (as N)	0.02	mg/L	1	1	0.57	0.57	0.57
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	6.4	6.4	6.4
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.049	0.049	0.049
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.013	0.013	0.013
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 8 — BH7B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	8.73	9.4725	11.2
pH (field)	0.01	pH units	0	4	6.02	6.485	6.91
Electrical Conductivity (field)	1	uS/cm	0	4	1201	2069.75	3442
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.17	3.38	5.08
Redox (field)	0.1	mV	0	4	-193.4	-67.45	-13.6
Temperature (field)	0.1	deg c	0	4	17.5	19.55	22.5
Ammonia(N)	0.01	mg/L	4	4	0.15	0.3475	0.53
Chloride	1	mg/L	4	4	330	567.5	1100
pH	0.1	pH units	4	4	6.7	7.325	8.1
Sulphate (S)	5	mg/L	4	4	110	150	200
Total Dissolved Solids	10	mg/L	4	4	890	1172.5	1600
Total Organic Carbon	5	mg/L	4	4	BDL	13.25	18
Total Alkalinity as CaCO3	20	mg/L	4	4	BDL	210	280
Calcium	0.5	mg/L	4	4	31	39.25	53
Magnesium	0.5	mg/L	4	4	39	47.75	61
Potassium	0.5	mg/L	4	4	10	11	12
Sodium	0.5	mg/L	4	4	240	352.5	530
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.16	0.16	0.16
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.14	0.14	0.14
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.027	0.027	0.027
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 10 — BH9A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	3.1	5.97	7.4
pH (field)	0.01	pH units	0	4	6.29	6.5325	6.77
Electrical Conductivity (field)	1	uS/cm	0	4	1727	1933.5	2027
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.32	1.3925	2.08
Redox (field)	0.1	mV	0	4	-202.2	-52.125	45.9
Temperature (field)	0.1	deg c	0	4	15.2	17.925	22.5
Ammonia(N)	0.01	mg/L	4	4	7.8	9.925	11
Chloride	1	mg/L	4	4	350	380	400
pH	0.1	pH units	4	4	7	7.4	7.7
Sulphate (S)	5	mg/L	4	4	54	84.5	120
Total Dissolved Solids	10	mg/L	4	4	1000	1225	1700

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Organic Carbon	5	mg/L	4	4	BDL	29.3333	40
Total Alkalinity as CaCO3	20	mg/L	4	4	BDL	463.333	550
Calcium	0.5	mg/L	4	4	39	41.5	44
Magnesium	0.5	mg/L	4	4	53	60.5	66
Potassium	0.5	mg/L	4	4	18	20.25	22
Sodium	0.5	mg/L	4	4	290	320	350
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	1.2	1.2	1.2
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.46	0.46	0.46
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 11 — BH10D

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	3.12	3.2925	3.5
pH (field)	0.01	pH units	0	4	6.82	6.99	7.14
Electrical Conductivity (field)	1	uS/cm	0	4	416.7	562.075	792
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.39	2.7025	5.27
Redox (field)	0.1	mV	0	4	-125	-20.075	80.6
Temperature (field)	0.1	deg c	0	4	16.8	18.65	23.5
Ammonia(N)	0.01	mg/L	4	4	BDL	1.88	4.2
Chloride	1	mg/L	4	4	80	149.25	330
pH	0.1	pH units	4	4	6.9	7.575	8.1
Sulphate (S)	5	mg/L	4	4	10	18	26
Total Dissolved Solids	10	mg/L	4	4	280	530	1200
Total Organic Carbon	5	mg/L	4	4	BDL	10.3667	11
Total Alkalinity as CaCO3	20	mg/L	4	4	BDL	126.667	150
Calcium	0.5	mg/L	4	4	21	31.25	47
Magnesium	0.5	mg/L	4	4	16	25.25	49
Potassium	0.5	mg/L	4	4	5.3	6.825	10
Sodium	0.5	mg/L	4	4	60	110.25	250
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	1	0.38	0.38	0.38
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.26	0.26	0.26
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.014	0.014	0.014
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.037	0.037	0.037
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.3	0.3	0.3
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.3	0.3	0.3
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 12 — BH13D

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	10.73	11.38	11.97
pH (field)	0.01	pH units	0	4	6.76	6.9025	7.17
Electrical Conductivity (field)	1	uS/cm	0	4	2219	2341.5	2573
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.82	2.7925	4.01
Redox (field)	0.1	mV	0	4	-46.2	12	73.7
Temperature (field)	0.1	deg c	0	4	18.4	20.15	22.6
Ammonia(N)	0.01	mg/L	4	4	0.18	0.425	0.57
Chloride	1	mg/L	4	4	110	460	610
pH	0.1	pH units	4	4	7.1	7.525	7.8
Sulphate (S)	5	mg/L	4	4	BDL	16	16
Total Dissolved Solids	10	mg/L	4	4	1100	1175	1300
Total Organic Carbon	5	mg/L	4	4	BDL	12.5	24
Total Alkalinity as CaCO3	20	mg/L	4	4	BDL	350	400
Calcium	0.5	mg/L	4	4	43	45.25	47

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Magnesium	0.5	mg/L	4	4	57	61	64
Potassium	0.5	mg/L	4	4	7.5	8.125	8.6
Sodium	0.5	mg/L	4	4	320	347.5	380
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.8	0.8	0.8
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	3.1	3.1	3.1
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.63	0.63	0.63
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.056	0.056	0.056
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	4.3	5.11	5.57
pH (field)	0.01	pH units	0	4	6.74	7.4875	8.63
Electrical Conductivity (field)	1	uS/cm	0	4	2574	4283.25	6867
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.3	1.995	2.39
Redox (field)	0.1	mV	0	4	-155.1	-37.05	75
Temperature (field)	0.1	deg c	0	4	17.2	20.55	27.1
Ammonia(N)	0.01	mg/L	4	4	0.04	84.01	120
Chloride	1	mg/L	4	4	290	535	850
pH	0.1	pH units	4	4	7.1	7.475	7.8
Sulphate (S)	5	mg/L	4	4	12	19.75	26
Total Dissolved Solids	10	mg/L	4	4	1200	1675	2200
Total Organic Carbon	5	mg/L	4	4	32	72.25	100
Total Alkalinity as CaCO3	20	mg/L	4	4	BDL	1000	1200
Calcium	0.5	mg/L	4	4	37	44.5	56
Magnesium	0.5	mg/L	4	4	78	99	120
Potassium	0.5	mg/L	4	4	73	77.5	88
Sodium	0.5	mg/L	4	4	380	417.5	510
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.7	0.7	0.7
Nitrate (as N)	0.02	mg/L	1	1	10	10	10
Nitrite (as N)	0.02	mg/L	1	1	0.15	0.15	0.15
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Barium (filtered)	0.02	mg/L	1	1	0.44	0.44	0.44
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.003	0.003	0.003
Cobalt (filtered)	0.001	mg/L	1	1	0.007	0.007	0.007
Copper (filtered)	0.001	mg/L	1	1	0.005	0.005	0.005
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.31	0.31	0.31
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.017	0.017	0.017

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.34	0.34	0.34
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.14	0.14	0.14
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.2	0.2	0.2
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	0.001	0.001	0.001
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 14 — BH11

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	3.22	3.415	3.74
pH (field)	0.01	pH units	0	4	6.14	6.515	6.7
Electrical Conductivity (field)	1	uS/cm	0	4	3958	10980.8	18768
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.13	0.9375	1.63
Redox (field)	0.1	mV	0	4	-117.3	-89.475	-63.6
Temperature (field)	0.1	deg c	0	4	18.3	19.075	19.6
Ammonia(N)	0.01	mg/L	4	4	0.18	0.2225	0.29
Chloride	1	mg/L	4	4	160	4165	7400
pH	0.1	pH units	4	4	6.6	7.275	7.9
Sulphate (S)	5	mg/L	4	4	14	283.5	510
Total Dissolved Solids	10	mg/L	4	4	2000	6575	12000
Total Organic Carbon	5	mg/L	4	4	BDL	82.3333	97
Total Alkalinity as CaCO3	20	mg/L	4	4	220	527.5	910
Calcium	0.5	mg/L	4	4	19	61	100
Magnesium	0.5	mg/L	4	4	100	525	960
Potassium	0.5	mg/L	4	4	8.9	29.225	52
Sodium	0.5	mg/L	4	4	550	1960	3500
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Fluoride	0.1	mg/L	1	1	1.4	1.4	1.4
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
Barium (filtered)	0.02	mg/L	1	1	0.24	0.24	0.24
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	2.5	2.5	2.5
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 15 — BH9B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	5.8	6.0075	6.26
pH (field)	0.01	pH units	0	4	6.49	7.5325	9
Electrical Conductivity (field)	1	uS/cm	0	4	1159	1390	1761

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.32	2.37	3.24
Redox (field)	0.1	mV	0	4	-147.1	-30.375	116.5
Temperature (field)	0.1	deg c	0	4	16.2	18.575	23.3
Ammonia(N)	0.01	mg/L	4	4	0.42	2.405	3.4
Chloride	1	mg/L	4	4	90	112.5	140
pH	0.1	pH units	4	4	6.9	7.4	8
Sulphate (S)	5	mg/L	4	4	68	139.5	230
Total Dissolved Solids	10	mg/L	4	4	640	740	880
Total Organic Carbon	5	mg/L	4	4	BDL	24.3333	29
Total Alkalinity as CaCO3	20	mg/L	4	4	BDL	373.333	430
Calcium	0.5	mg/L	4	4	100	115	130
Magnesium	0.5	mg/L	4	4	28	50.75	66
Potassium	0.5	mg/L	4	4	11	12.25	14
Sodium	0.5	mg/L	4	4	54	67.75	75
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.8	0.8	0.8
Nitrate (as N)	0.02	mg/L	1	1	1.1	1.1	1.1
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.25	0.25	0.25
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.004	0.004	0.004
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	3.5	3.5	3.5
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.011	0.011	0.011
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.26	0.26	0.26
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.06	0.06	0.06
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.2	0.2	0.2
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 16 — BH3G

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	10.82	11.43	13
pH (field)	0.01	pH units	0	4	5.6	6.03	6.26
Electrical Conductivity (field)	1	uS/cm	0	4	409.7	557.075	891.3
Dissolved Oxygen (field)	0.01	mg/L	0	4	2.43	4.005	5.07
Redox (field)	0.1	mV	0	4	-35.1	59.225	163.6
Temperature (field)	0.1	deg c	0	4	14.8	18.075	21.1
Ammonia(N)	0.01	mg/L	4	4	BDL	0.02	0.03
Chloride	1	mg/L	4	4	53	72	88
pH	0.1	pH units	4	4	6.4	6.85	7.3
Sulphate (S)	5	mg/L	4	4	23	34	47
Total Dissolved Solids	10	mg/L	4	4	190	247.5	290
Total Organic Carbon	5	mg/L	4	4	BDL	6.83333	7.5
Total Alkalinity as CaCO3	20	mg/L	4	4	39	58	98
Calcium	0.5	mg/L	4	4	7.4	7.575	7.8
Magnesium	0.5	mg/L	4	4	11	11.25	12
Potassium	0.5	mg/L	4	4	2.6	3.6	4.8
Sodium	0.5	mg/L	4	4	47	53.25	58
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	1	1.2	1.2	1.2
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.08	0.08	0.08
Arsenic (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Barium (filtered)	0.02	mg/L	1	1	0.09	0.09	0.09
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.19	0.19	0.19
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.007	0.007	0.007
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.1	0.1	0.1
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.1	0.1	0.1
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 17 — BH3H

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	10.6	13.42	14.56
pH (field)	0.01	pH units	0	4	6.88	6.9925	7.15
Electrical Conductivity (field)	1	uS/cm	0	4	545	795.25	1284
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.85	3.1425	4.76
Redox (field)	0.1	mV	0	4	-65.8	36.25	153.2
Temperature (field)	0.1	deg c	0	4	17.1	18.875	21.2

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Ammonia(N)	0.01	mg/L	4	4	BDL	0.2	0.33
Chloride	1	mg/L	4	4	150	207.5	250
pH	0.1	pH units	4	4	7.7	7.9	8.3
Sulphate (S)	5	mg/L	4	4	10	42.25	68
Total Dissolved Solids	10	mg/L	4	4	610	687.5	780
Total Organic Carbon	5	mg/L	4	4	BDL	17.2667	27
Total Alkalinity as CaCO3	20	mg/L	4	4	200	272.5	310
Calcium	0.5	mg/L	4	4	31	35.25	39
Magnesium	0.5	mg/L	4	4	21	25.25	28
Potassium	0.5	mg/L	4	4	5.7	6.575	8.6
Sodium	0.5	mg/L	4	4	150	182.5	230
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	1	0.02	0.02	0.02
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.37	0.37	0.37
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.01	0.01	0.01
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.012	0.012	0.012
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 18 — BH3I

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	14.22	14.38	14.5
pH (field)	0.01	pH units	0	4	7.55	7.6675	7.92
Electrical Conductivity (field)	1	uS/cm	0	4	819	1279.5	1530
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.3	2.1125	2.87
Redox (field)	0.1	mV	0	4	-132.7	-95.825	-57.9
Temperature (field)	0.1	deg c	0	4	18.5	19.2	20.3
Ammonia(N)	0.01	mg/L	4	4	BDL	0.543333	0.69
Chloride	1	mg/L	4	4	8.9	179.725	320
pH	0.1	pH units	4	4	7.9	8.2	8.5
Sulphate (S)	5	mg/L	4	4	BDL	2.7	2.7
Total Dissolved Solids	10	mg/L	4	4	670	712.5	750
Total Organic Carbon	5	mg/L	4	4	BDL	18.0333	33
Total Alkalinity as CaCO3	20	mg/L	4	4	310	350	380
Calcium	0.5	mg/L	4	4	16	17	18
Magnesium	0.5	mg/L	4	4	13	13.25	14
Potassium	0.5	mg/L	4	4	5.4	5.725	6
Sodium	0.5	mg/L	4	4	230	272.5	310
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	1	0.13	0.13	0.13
Nitrite (as N)	0.02	mg/L	1	1	0.35	0.35	0.35
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Barium (filtered)	0.02	mg/L	1	1	0.85	0.85	0.85
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.032	0.032	0.032
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.007	0.007	0.007
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	0.005	0.005	0.005
Ethylbenzene	0.001	mg/L	1	1	0.002	0.002	0.002
Total Xylenes	0.003	mg/L	1	1	0.012	0.012	0.012
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.15	0.15	0.15
TRH C6-C10 (F1)	0.02	mg/L	1	1	0.13	0.13	0.13
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 19 — BH4A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	11.2	13.245	16.94
pH (field)	0.01	pH units	0	4	5.86	7.1225	8.08
Electrical Conductivity (field)	1	uS/cm	0	4	1218	1840.25	2507
Dissolved Oxygen (field)	0.01	mg/L	0	4	2.2	8.3575	18.17
Redox (field)	0.1	mV	0	4	-44.3	7.25	122.9
Temperature (field)	0.1	deg c	0	4	18.3	18.925	19.5
Ammonia(N)	0.01	mg/L	4	4	0.04	0.165	0.36
Chloride	1	mg/L	4	4	280	495	700
pH	0.1	pH units	4	4	6.9	7.7	8.3

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Sulphate (S)	5	mg/L	4	4	12	180.75	340
Total Dissolved Solids	10	mg/L	4	4	700	1150	1500
Total Organic Carbon	5	mg/L	4	4	BDL	16.0667	31
Total Alkalinity as CaCO3	20	mg/L	4	4	120	192.5	270
Calcium	0.5	mg/L	4	4	39	43	46
Magnesium	0.5	mg/L	4	4	54	67	76
Potassium	0.5	mg/L	4	4	6.1	6.75	7.2
Sodium	0.5	mg/L	4	4	180	325	430
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Barium (filtered)	0.02	mg/L	1	1	2.6	2.6	2.6
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.17	0.17	0.17
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 20 — BH4D

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	3	Well BH4D Has Had Insufficient Water Volume Inside the Well to Collect Samples		
pH (field)	0.01	pH units	0	0			
Electrical Conductivity (field)	1	uS/cm	0	0			
Dissolved Oxygen (field)	0.01	mg/L	0	0			
Redox (field)	0.1	mV	0	0			
Temperature (field)	0.1	deg c	0	0			
Ammonia(N)	0.01	mg/L	4	0			
Chloride	1	mg/L	4	0			
pH	0.1	pH units	4	0			
Sulphate (S)	5	mg/L	4	0			
Total Dissolved Solids	10	mg/L	4	0			
Total Organic Carbon	5	mg/L	4	0			
Total Alkalinity as CaCO3	20	mg/L	4	0			
Calcium	0.5	mg/L	4	0			
Magnesium	0.5	mg/L	4	0			
Potassium	0.5	mg/L	4	0			
Sodium	0.5	mg/L	4	0			
Chromium (hexavalent)	0.05	mg/L	1	0			
Fluoride	0.1	mg/L	1	0			
Nitrate (as N)	0.02	mg/L	1	0			
Nitrite (as N)	0.02	mg/L	1	0			
Phenolics (Total)	0.1	mg/L	1	0			
Aluminium (filtered)	0.05	mg/L	1	0			
Arsenic (filtered)	0.001	mg/L	1	0			
Barium (filtered)	0.02	mg/L	1	0			

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Cadmium (filtered)	0.0002	mg/L	1	0			
Chromium (filtered)	0.001	mg/L	1	0			
Cobalt (filtered)	0.001	mg/L	1	0			
Copper (filtered)	0.001	mg/L	1	0			
Lead (filtered)	0.001	mg/L	1	0			
Manganese (filtered)	0.005	mg/L	1	0			
Mercury (filtered)	0.0001	mg/L	1	0			
Zinc (filtered)	0.005	mg/L	1	0			
Benzene	0.001	mg/L	1	0			
Toluene	0.001	mg/L	1	0			
Ethylbenzene	0.001	mg/L	1	0			
Total Xylenes	0.003	mg/L	1	0			
Total Petroleum Hydrocarbons	0.1	mg/L	1	0			
TRH C6-C10 (F1)	0.02	mg/L	1	0			
TRH C10 - C16 (F2)	0.05	mg/L	1	0			
TRH C16 - C34 (F3)	0.1	mg/L	1	0			
TRH C34 - C40 (F4)	0.1	mg/L	1	0			
Total PAHs	0.001	mg/L	1	0			
Total OCPs	0.002	mg/L	1	0			
Total OPPs	0.02	mg/L	1	0			

Monitoring Point 21 — BH7A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	4.92	5.2175	5.71
pH (field)	0.01	pH units	0	4	5.43	5.495	5.55
Electrical Conductivity (field)	1	uS/cm	0	4	636	667	721
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.18	0.845	1.52
Redox (field)	0.1	mV	0	4	-16	53.35	77.5
Temperature (field)	0.1	deg c	0	4	16.8	18.4	19.7
Ammonia(N)	0.01	mg/L	4	4	BDL	0.065	0.08
Chloride	1	mg/L	4	4	50	74.75	120
pH	0.1	pH units	4	4	6.2	6.65	7
Sulphate (S)	5	mg/L	4	4	85	201.25	430

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Dissolved Solids	10	mg/L	4	4	310	480	680
Total Organic Carbon	5	mg/L	4	4	BDL	15	24
Total Alkalinity as CaCO3	20	mg/L	4	4	BDL	124.667	200
Calcium	0.5	mg/L	4	4	9.3	12.825	16
Magnesium	0.5	mg/L	4	4	16	21.75	29
Potassium	0.5	mg/L	4	4	6.6	9.05	12
Sodium	0.5	mg/L	4	4	86	113.25	140
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.5	0.5	0.5
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.22	0.22	0.22
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.003	0.003	0.003
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.78	0.78	0.78
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.008	0.008	0.008
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 22 — BH8B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	4.55	4.7175	5.02
pH (field)	0.01	pH units	0	4	6.52	6.57	6.64
Electrical Conductivity (field)	1	uS/cm	0	4	1158	1200.25	1247
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.16	0.655	0.89
Redox (field)	0.1	mV	0	4	-92	-88.4	-80.8
Temperature (field)	0.1	deg c	0	4	17.4	19.05	20.3
Ammonia(N)	0.01	mg/L	4	4	0.51	0.705	0.86
Chloride	1	mg/L	4	4	180	222.5	260
pH	0.1	pH units	4	4	7	7.4	8
Sulphate (S)	5	mg/L	4	4	40	48.25	59
Total Dissolved Solids	10	mg/L	4	4	600	642.5	680
Total Organic Carbon	5	mg/L	4	4	BDL	21	33
Total Alkalinity as CaCO3	20	mg/L	4	4	170	202.5	220
Calcium	0.5	mg/L	4	4	29	30.75	34
Magnesium	0.5	mg/L	4	4	31	33.5	36
Potassium	0.5	mg/L	4	4	6.4	6.9	7.3
Sodium	0.5	mg/L	4	4	160	175	200
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	1	0.45	0.45	0.45
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.27	0.27	0.27
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.81	0.81	0.81
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 23 — BH1A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	4.77	5.7625	6.78
pH (field)	0.01	pH units	0	4	4.79	5.295	6.31
Electrical Conductivity (field)	1	uS/cm	0	4	641	741.75	946
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.83	1.6075	2.36
Redox (field)	0.1	mV	0	4	164.5	180.85	205
Temperature (field)	0.1	deg c	0	4	17.1	18.525	19.5
Ammonia(N)	0.01	mg/L	4	4	BDL	0.163333	0.34
Chloride	1	mg/L	4	4	120	222.5	370
pH	0.1	pH units	4	4	5.4	6.1	7.4
Sulphate (S)	5	mg/L	4	4	35	57.75	81
Total Dissolved Solids	10	mg/L	4	4	340	522.5	970
Total Organic Carbon	5	mg/L	4	4	BDL	8.5	8.5
Total Alkalinity as CaCO3	20	mg/L	4	4	BDL	22	22

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Calcium	0.5	mg/L	4	4	0.8	3.575	10
Magnesium	0.5	mg/L	4	4	13	26.25	42
Potassium	0.5	mg/L	4	4	BDL	3.25	5.5
Sodium	0.5	mg/L	4	4	75	123.5	200
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.7	0.7	0.7
Nitrate (as N)	0.02	mg/L	1	1	1.5	1.5	1.5
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.18	0.18	0.18
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.003	0.003	0.003
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.21	0.21	0.21
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.029	0.029	0.029
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 24 — BH17A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	10.32	10.54	10.68
pH (field)	0.01	pH units	0	4	6.68	8.1525	10.85
Electrical Conductivity (field)	1	uS/cm	0	4	6608	12278.5	15311
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.4	4.0175	6.2
Redox (field)	0.1	mV	0	4	-313.9	-217.225	-108.8
Temperature (field)	0.1	deg c	0	4	17	17.975	19.1
Ammonia(N)	0.01	mg/L	4	4	0.48	1.8125	5.3
Chloride	1	mg/L	4	4	120	4005	5800
pH	0.1	pH units	4	4	7.2	7.75	8.3
Sulphate (S)	5	mg/L	4	4	7.8	264.45	450
Total Dissolved Solids	10	mg/L	4	4	6600	8000	9400
Total Organic Carbon	5	mg/L	4	4	BDL	96	150
Total Alkalinity as CaCO3	20	mg/L	4	4	620	1002.5	1400
Calcium	0.5	mg/L	4	4	100	140	160
Magnesium	0.5	mg/L	4	4	500	602.5	670
Potassium	0.5	mg/L	4	4	BDL	33.6667	36
Sodium	0.5	mg/L	4	4	2300	2450	2600
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.6	0.6	0.6
Nitrate (as N)	0.02	mg/L	1	1	0.03	0.03	0.03
Nitrite (as N)	0.02	mg/L	1	1	0.02	0.02	0.02
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.14	0.14	0.14
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.27	0.27	0.27
Mercury (filtered)	0.0001	mg/L	1	1	0.0002	0.0002	0.0002

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Zinc (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 26 — LG1

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	4	0	0	0

Monitoring Point 27 — LG2

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	4	0	0	0

Monitoring Point 28 — LG3

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	10	10	0	22300	100000

Monitoring Point 29 — LG4

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	4	0	0	0

Monitoring Point 30 — LG5

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	12	12	0	578333	836000

Monitoring Point 31 — LG7

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	10	10	0	247800	356000

Monitoring Point 33 — LHD

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	8.05	8.41	9.04
Electrical Conductivity (field)	1	uS/cm	0	4	1524	2821.75	3526
Dissolved Oxygen (field)	0.01	mg/L	0	4	2.78	7.75	12.68
Redox (field)	0.1	mV	0	4	-34.7	38.075	70.8
Temperature (field)	0.1	deg c	0	4	15.6	22.025	31.2
Standing Water Level	0.1	m	1	4	1	2.75	4
pH (lab)	0.1	pH units	1	4	8.1	8.45	9
Electrical Conductivity (lab)	1	uS/cm	4	4	3100	3175	3300
Ammonia(N)	0.01	mg/L	1	4	9.4	89.35	200
Chloride	1	mg/L	1	4	44	206	290
Sulphate (S)	1	mg/L	1	4	11	30	58
Fluoride	0.1	mg/L	1	4	BDL	1.76667	3.4
Total Alkalinity as CaCO3	1	mg/L	1	4	BDL	1700	1700
Calcium	1	mg/L	1	4	9.7	69.425	110
Magnesium	1	mg/L	1	4	73	82.75	96
Potassium	1	mg/L	1	4	63	77.75	87
Sodium	1	mg/L	1	4	480	587.5	650
Phosphate	0.1	mg/L	1	4	0.21	0.5875	1.3
Total Phosphorous	0.05	mg/L	1	4	BDL	0.636667	0.78
Total Organic Carbon	0.02	mg/L	1	4	40	110	150
Total Kjeldahl Nitrogen	1	mg/L	0	4	19	111	220
Nitrate (as N)	0.01	mg/L	1	4	BDL	0.24	0.31
Nitrite (as N)	0.1	mg/L	1	4	BDL	0.62	1.2

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Dissolved Solids	5	mg/L	1	1	2400	2400	2400
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	0.016	0.016	0.016
Barium (filtered)	0.02	mg/L	1	1	BDL	BDL	BDL
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.019	0.019	0.019
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	2.61	2.61	2.61
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.51	0.51	0.51
TRH C16 - C34 (F3)	0.1	mg/L	1	1	2	2	2
TRH C34 - C40 (F4)	0.1	mg/L	1	1	0.1	0.1	0.1
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 34 — Dam B7 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	7.92	8.385	8.85
Electrical Conductivity (field)	1	uS/cm	0	4	1600	1854	2108
Dissolved Oxygen (field)	0.01	mg/L	0	4	3.54	6.24	8.94
Redox (field)	0.1	mV	0	4	26.8	57	87.2

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Temperature (field)	0.1	deg c	0	4	22.1	26.2	30.3
pH (lab)	0.01	pH units	4	4	7.9	8.25	8.6
Electrical Conductivity (lab)	1	uS/cm	4	4	1700	1900	2100
Ammonia (as N)	0.01	mg/L	4	4	0.12	2.36	4.6
Total Suspended Solids	1	mg/L	4	4	5.3	7.45	9.6
Total Organic Carbon	1	mg/L	4	4	12	13.5	15

Monitoring Point 35 — Dam B1 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	8.13	8.2	8.27
Electrical Conductivity (field)	1	uS/cm	0	4	770	784	798
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.18	3.85	6.52
Redox (field)	0.1	mV	0	4	56.9	67.85	78.8
Temperature (field)	0.1	deg c	0	4	21.8	24.3	26.8
pH (lab)	0.01	pH units	4	4	8.1	8.25	8.4
Electrical Conductivity (lab)	1	uS/cm	4	4	780	800	820
Ammonia (as N)	0.01	mg/L	4	4	0.01	0.045	0.08
Total Suspended Solids	1	mg/L	4	4	BDL	24	24
Total Organic Carbon	1	mg/L	4	4	16	16	16

Monitoring Point 36 — Dam H - Basin H

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	0	Basin H Has Not Yet Been Constructe d		
Electrical Conductivity (field)	1	uS/cm	0	0			
Dissolved Oxygen (field)	0.01	mg/L	0	0			
Redox (field)	0.1	mV	0	0			
Temperature (field)	0.1	deg c	0	0			
pH (lab)	0.01	pH units	4	0			
Electrical Conductivity (lab)	1	uS/cm	4	0			
Ammonia (as N)	0.01	mg/L	4	0			
Total Suspended Solids	1	mg/L	4	0			
Total Organic Carbon	1	mg/L	4	0			

Monitoring Point 37 — X1 Riser

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	0	This monitoring point was only recently Included in the EPL (November 2022) and GEE only recently became aware of the inclusion. GEE has now included it into our monitoring program		
Electrical Conductivity (field)	1	uS/cm	0	0			
Dissolved Oxygen (field)	0.01	mg/L	0	0			
Redox (field)	0.1	mV	0	0			
Temperature (field)	0.1	deg c	0	0			
Standing Water Level	0.1	m	1	0			
pH (lab)	0.1	pH units	1	0			
Electrical Conductivity (lab)	1	uS/cm	4	0			
Ammonia(N)	0.01	mg/L	1	0			
Chloride	1	mg/L	1	0			
Sulphate (S)	1	mg/L	1	0			
Fluoride	0.1	mg/L	1	0			
Total Alkalinity as CaCO3	1	mg/L	1	0			
Calcium	1	mg/L	1	0			
Magnesium	1	mg/L	1	0			
Potassium	1	mg/L	1	0			
Sodium	1	mg/L	1	0			
Phosphate	0.1	mg/L	1	0			
Total Phosphorous	0.05	mg/L	1	0			
Total Organic Carbon	0.02	mg/L	1	0			
Total Kjeldahl Nitrogen	1	mg/L	0	0			
Nitrate (as N)	0.01	mg/L	1	0			
Nitrite (as N)	0.1	mg/L	1	0			
Total Dissolved Solids	5	mg/L	1	0			
Phenolics (Total)	0.05	mg/L	1	0			

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Hexavalent Chromium (filtered)	0.005	mg/L	1	0			
Aluminium (filtered)	0.05	mg/L	1	0			
Arsenic (filtered)	0.001	mg/L	1	0			
Barium (filtered)	0.02	mg/L	1	0			
Cadmium (filtered)	0.0002	mg/L	1	0			
Chromium (filtered)	0.001	mg/L	1	0			
Cobalt (filtered)	0.001	mg/L	1	0			
Copper (filtered)	0.001	mg/L	1	0			
Lead (filtered)	0.001	mg/L	1	0			
Manganese (filtered)	0.005	mg/L	1	0			
Mercury (filtered)	0.0001	mg/L	1	0			
Zinc (filtered)	0.005	mg/L	1	0			
Benzene	0.001	mg/L	1	0			
Toluene	0.001	mg/L	1	0			
Ethylbenzene	0.001	mg/L	1	0			
Total Xylene	0.003	mg/L	1	0			
Total Petroleum Hydrocarbons	0.1	mg/L	1	0			
TRH C6-C10 (F1)	0.02	mg/L	1	0			
TRH C10 - C16 (F2)	0.05	mg/L	1	0			
TRH C16 - C34 (F3)	0.1	mg/L	1	0			
TRH C34 - C40 (F4)	0.1	mg/L	1	0			
Total PAHs	0.001	mg/L	1	0			
Total OCPs	0.002	mg/L	1	0			
Total OPPs	0.02	mg/L	1	0			

Notes: 'BDL' = Below (laboratory) Detection Limit. A dash ('-') indicates no result (no discharge/sample event in the period).