

Environmental Monitoring Data - Merimbula Waste and Recycling Depot - 2018/2019

EPA monitoring point	Description 1	Description 2	Pollutant	Unit	no of samples required	no of samples collected	Lowest	Mean	Highest	29-Nov-18	28-Mar-19	13-Jun-19	12-Sep-19
2	Surface water	SW10	Absorbable Organic Halogens	mg/L	Special Frequency 1	3	0	0.078	0.15	0.15	0.083	0	DRY
2	Surface water	SW10	Ammonia	mg/L	Special Frequency 1	3	0	0.167	0.3	0.2	0	0.3	DRY
2	Surface water	SW10	Bicarbonate	mg/L	Special Frequency 1	3	73.6	102.867	125	125	73.6	110	DRY
2	Surface water	SW10	Calcium (dissolved)	mg/L	Special Frequency 1	3	11.8	21.633	36.9	36.9	11.8	16.2	DRY
2	Surface water	SW10	Chloride	mg/L	Special Frequency 1	3	41.1	76.367	135	135	41.1	53	DRY
2	Surface water	SW10	Conductivity	µs/cm	Special Frequency 1	3	308	552.333	920	920	308	429	DRY
2	Surface water	SW10	Dissolved Oxygen	mg/L	Special Frequency 1	2	2.9	3.7	4.5		2.9	4.5	DRY
2	Surface water	SW10	Faecal Coliforms	colony forming units per 100 millilitres	Special Frequency 1	3	38	1979.333	4800	4800	1100	38	DRY
2	Surface water	SW10	Fluoride	mg/L	Special Frequency 1	3	0.24	0.323	0.46	0.46	0.27	0.24	DRY
2	Surface water	SW10	Iron (dissolved)	mg/L	Special Frequency 1	3	0.07	1.507	2.95	0.07	1.5	2.95	DRY
2	Surface water	SW10	Magnesium (dissolved)	mg/L	Special Frequency 1	3	9.47	16.157	25.5	25.5	9.47	13.5	DRY
2	Surface water	SW10	Manganese (dissolved)	mg/L	Special Frequency 1	3	0.095	0.123	0.159	0.159	0.095	0.114	DRY
2	Surface water	SW10	Nitrate	mg/L	Special Frequency 1	3	0	0.04	0.12	0	0	0.12	DRY
2	Surface water	SW10	Nitrite	mg/L	Special Frequency 1	3	0	0	0	0	0	0	DRY
2	Surface water	SW10	Nitrogen (total)	mg/L	Special Frequency 1	3	3.45	4.52	5.9	3.45	4.21	5.9	DRY
2	Surface water	SW10	Nitrogen Oxides	mg/L	Special Frequency 1	3	0	0.04	0.12	0	0	0.12	DRY
2	Surface water	SW10	pH	pH	Special Frequency 1	3	7.26	7.507	7.96	7.96	7.26	7.3	DRY
2	Surface water	SW10	Phosphorus (total)	mg/L	Special Frequency 1	3	0.38	0.93	1.49	0.38	1.49	0.92	DRY
2	Surface water	SW10	Potassium (dissolved)	mg/L	Special Frequency 1	3	13	14.4	16.2	16.2	13	14	DRY
2	Surface water	SW10	Sodium (dissolved)	mg/L	Special Frequency 1	3	31.3	57.7	93.9	93.9	31.3	47.9	DRY
2	Surface water	SW10	Sulfate	mg/L	Special Frequency 1	3	19.8	42.567	86.6	86.6	19.8	21.3	DRY
2	Surface water	SW10	Temperature	degrees Celsius	Special Frequency 1	2	11	15.7	20.4		20.4	11	DRY
2	Surface water	SW10	Total Organic Carbon	mg/L	Special Frequency 1	3	41	56	72	41	55	72	DRY
2	Surface water	SW10	Total Phenolics	mg/L	Special Frequency 1	3	0	0	0	0	0	0	DRY
2	Surface water	SW10	Total Suspended Solids	mg/L	Special Frequency 1	3	33	62	77	76	33	77	DRY
3	Monitoring Bore	MB02	Absorbable Organic Halogens	mg/L		2	0.31	0.37	0.43		0.31		0.43
3	Monitoring Bore	MB02	Ammonia	mg/L		2	219	222.5	226		226		219
3	Monitoring Bore	MB02	Bicarbonate	mg/L		2	964	1062	1160		1160		964
3	Monitoring Bore	MB02	Calcium (dissolved)	mg/L		2	12.8	13.1	13.4		12.8		13.4
3	Monitoring Bore	MB02	Chloride	mg/L		2	376	443.5	511		511		376
3	Monitoring Bore	MB02	Conductivity	µs/cm		2	3400	3990	4580		4580		3400

3	Monitoring Bore	MB02	Dissolved Oxygen	mg/L	2	1	0	0	0	0	0	Broken probe
3	Monitoring Bore	MB02	Faecal Coliforms	colony forming units per 100 millilitres	2	2	0	0	0	0	0	0
3	Monitoring Bore	MB02	Fluoride	mg/L	2	2	0	0.065	0.13	0.13	0	0
3	Monitoring Bore	MB02	Iron (dissolved)	mg/L	2	2	22	27.5	33	33	22	22
3	Monitoring Bore	MB02	Magnesium (dissolved)	mg/L	2	2	35.7	40.75	45.8	45.8	35.7	35.7
3	Monitoring Bore	MB02	Manganese (dissolved)	mg/L	2	2	0.039	0.0495	0.06	0.039	0.06	0.06
3	Monitoring Bore	MB02	Nitrate	mg/L	2	2	0	0.03	0.06	0.06	0	0
3	Monitoring Bore	MB02	Nitrite	mg/L	2	2	0	0.05	0.1	0	0.1	0.1
3	Monitoring Bore	MB02	Nitrogen (total)	mg/L	2	2	223	223	223	223	223	223
3	Monitoring Bore	MB02	Nitrogen Oxides	mg/L	2	2	0	0.03	0.06	0.06	0	0
3	Monitoring Bore	MB02	pH	pH	2	2	6.69	6.765	6.84	6.84	6.69	6.69
3	Monitoring Bore	MB02	Phosphorus (total)	mg/L	2	2	0.47	1.045	1.62	0.47	1.62	1.62
3	Monitoring Bore	MB02	Potassium (dissolved)	mg/L	2	2	98.8	106.4	114	114	98.8	98.8
3	Monitoring Bore	MB02	Sodium (dissolved)	mg/L	2	2	273	307	341	341	273	273
3	Monitoring Bore	MB02	Sulfate	mg/L	2	2	31.2	81.6	132	31.2	132	132
3	Monitoring Bore	MB02	Temperature	degrees Celsius	2	2	15.9	16.65	17.4	15.9	17.4	17.4
3	Monitoring Bore	MB02	Total Organic Carbon	mg/L	2	2	104	116	128	128	104	104
3	Monitoring Bore	MB02	Total Phenolics	mg/L	2	2	0	0	0	0	0	0
3	Monitoring Bore	MB02	Total Suspended Solids	mg/L	2	2	98	111.5	125	98	125	125
4	Monitoring Bore	MB03	Absorbable Organic Halogens	mg/L	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Ammonia	mg/L	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Bicarbonate	mg/L	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Calcium (dissolved)	mg/L	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Chloride	mg/L	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Conductivity	µs/cm	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Dissolved Oxygen	mg/L	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Faecal Coliforms	colony forming units per 100 millilitres	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Fluoride	mg/L	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Iron (dissolved)	mg/L	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Magnesium (dissolved)	mg/L	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Manganese (dissolved)	mg/L	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Nitrate	mg/L	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Nitrite	mg/L	2	0	-	-	-	DRY	DRY	DRY
4	Monitoring Bore	MB03	Nitrogen (total)	mg/L	2	0	-	-	-	DRY	DRY	DRY

4	Monitoring Bore	MB03	Nitrogen Oxides	mg/L	2	0	-	-	-		DRY	DRY
4	Monitoring Bore	MB03	pH	pH	2	0	-	-	-		DRY	DRY
4	Monitoring Bore	MB03	Phosphorus (total)	mg/L	2	0	-	-	-		DRY	DRY
4	Monitoring Bore	MB03	Potassium (dissolved)	mg/L	2	0	-	-	-		DRY	DRY
4	Monitoring Bore	MB03	Sodium (dissolved)	mg/L	2	0	-	-	-		DRY	DRY
4	Monitoring Bore	MB03	Sulfate	mg/L	2	0	-	-	-		DRY	DRY
4	Monitoring Bore	MB03	Temperature	degrees Celsius	2	0	-	-	-		DRY	DRY
4	Monitoring Bore	MB03	Total Organic Carbon	mg/L	2	0	-	-	-		DRY	DRY
4	Monitoring Bore	MB03	Total Phenolics	mg/L	2	0	-	-	-		DRY	DRY
4	Monitoring Bore	MB03	Total Suspended Solids	mg/L	2	0	-	-	-		DRY	DRY
5	Monitoring Bore	MB05	Absorbable Organic Halogens	mg/L	2	2	0.049	0.0945	0.14		0.049	0.14
5	Monitoring Bore	MB05	Ammonia	mg/L	2	2	0	0	0		0	0
5	Monitoring Bore	MB05	Bicarbonate	mg/L	2	2	36.5	37.2	37.9		36.5	37.9
5	Monitoring Bore	MB05	Calcium (dissolved)	mg/L	2	2	4.46	4.725	4.99		4.46	4.99
5	Monitoring Bore	MB05	Chloride	mg/L	2	2	1210	1220	1230		1210	1230
5	Monitoring Bore	MB05	Conductivity	µs/cm	2	2	3700	3755	3810		3810	3700
5	Monitoring Bore	MB05	Dissolved Oxygen	mg/L	2	1	0.2	0.2	0.2		0.2	probe failure
5	Monitoring Bore	MB05	Faecal Coliforms	colony forming units per 100 millilitres	2	2	0	2	4		4	0
5	Monitoring Bore	MB05	Fluoride	mg/L	2	2	0.16	0.165	0.17		0.17	0.16
5	Monitoring Bore	MB05	Iron (dissolved)	mg/L	2	2	0.08	0.155	0.23		0.08	0.23
5	Monitoring Bore	MB05	Magnesium (dissolved)	mg/L	2	2	89.9	91.35	92.8		89.9	92.8
5	Monitoring Bore	MB05	Manganese (dissolved)	mg/L	2	2	0.326	0.631	0.936		0.326	0.936
5	Monitoring Bore	MB05	Nitrate	mg/L	2	2	0.19	0.24	0.29		0.29	0.19
5	Monitoring Bore	MB05	Nitrite	mg/L	2	2	0	0.005	0.01		0.01	0
5	Monitoring Bore	MB05	Nitrogen (total)	mg/L	2	2	0.42	0.515	0.61		0.42	0.61
5	Monitoring Bore	MB05	Nitrogen Oxides	mg/L	2	2	0.19	0.245	0.3		0.3	0.19
5	Monitoring Bore	MB05	pH	pH	2	2	5.92	6.055	6.19		6.19	5.92
5	Monitoring Bore	MB05	Phosphorus (total)	mg/L	2	2	0.09	0.09	0.09		0.09	0.09
5	Monitoring Bore	MB05	Potassium (dissolved)	mg/L	2	2	4.4	4.6	4.8		4.4	4.8
5	Monitoring Bore	MB05	Sodium (dissolved)	mg/L	2	2	606	623	640		606	640
5	Monitoring Bore	MB05	Sulfate	mg/L	2	2	38.3	40.05	41.8		38.3	41.8
5	Monitoring Bore	MB05	Temperature	degrees Celsius	2	2	16	17.05	18.1		18.1	16
5	Monitoring Bore	MB05	Total Organic Carbon	mg/L	2	2	3	4	5		5	3
5	Monitoring Bore	MB05	Total Phenolics	mg/L	2	2	0	0	0		0	0
5	Monitoring Bore	MB05	Total Suspended Solids	mg/L	2	2	14	20.5	27		14	27

6	Leachate Dam	SW11	Absorbable Organic Halogens	mg/L	Special Frequency 1	3	1.2	3.1	6	1.2	2.1	6
6	Leachate Dam	SW11	Ammonia	mg/L	Special Frequency 1	3	47.4	141.13	196	47.4	196	180
6	Leachate Dam	SW11	Bicarbonate	mg/L	Special Frequency 1	3	654	1551.33	2050	654	2050	1950
6	Leachate Dam	SW11	Calcium (dissolved)	mg/L	Special Frequency 1	3	68.2	364.73	665	68.2	361	665
6	Leachate Dam	SW11	Chloride	mg/L	Special Frequency 1	1	0	0	0			0
6	Leachate Dam	SW11	Conductivity	µs/cm	Special Frequency 1	3	2960	7680	11000	2960	9080	11000
6	Leachate Dam	SW11	Dissolved Oxygen	mg/L	Special Frequency 1	1	0.5	0.5	0.5		0.5	
6	Leachate Dam	SW11	Faecal Coliforms	colony forming units per 100 millilitres	Special Frequency 1	3	360000	2450000	6600000	360000	390000	6600000
6	Leachate Dam	SW11	Fluoride	mg/L	Special Frequency 1	3	0	0.35	0.62	0	0.42	0.62
6	Leachate Dam	SW11	Iron (dissolved)	mg/L	Special Frequency 1	3	11.1	216.03	408	11.1	408	229
6	Leachate Dam	SW11	Magnesium (dissolved)	mg/L	Special Frequency 1	0	0	-	0			
6	Leachate Dam	SW11	Manganese (dissolved)	mg/L	Special Frequency 1	3	0.59	10.6	20.7	0.59	10.5	20.7
6	Leachate Dam	SW11	Nitrate	mg/L	Special Frequency 1	3	0	4.63	13.9	13.9	0	0
6	Leachate Dam	SW11	Nitrite	mg/L	Special Frequency 1	3	0	0.1	0.28	0.01	0	0.28
6	Leachate Dam	SW11	Nitrogen (total)	mg/L	Special Frequency 1	2	13.9	302.45	591	13.9	591	
6	Leachate Dam	SW11	Nitrogen Oxides	mg/L	Special Frequency 1	2	0	0	0		0	0
6	Leachate Dam	SW11	pH	pH	Special Frequency 1	3	7.61	7.69	7.8	7.8	7.67	7.61
6	Leachate Dam	SW11	Phosphorus (total)	mg/L	Special Frequency 1	3	128	195	285	172	128	285
6	Leachate Dam	SW11	Potassium (dissolved)	mg/L	Special Frequency 1	3	406	1285.33	1990	406	1460	1990
6	Leachate Dam	SW11	Sodium (dissolved)	mg/L	Special Frequency 1	0	0	-	0			
6	Leachate Dam	SW11	Sulfate	mg/L	Special Frequency 1	3	13.8	260.6	658	13.8	110	658
6	Leachate Dam	SW11	Temperature	degrees Celsius	Special Frequency 1	3	9.3	15.47	25	25	12.1	9.3
6	Leachate Dam	SW11	Total Organic Carbon	mg/L	Special Frequency 1	3	235	1988.33	3750	235	1980	3750
6	Leachate Dam	SW11	Total Phenolics	mg/L	Special Frequency 1	3	0	0	0	0	0	0
6	Leachate Dam	SW11	Total Suspended Solids	mg/L	Special Frequency 1	3	915	7458.33	17600	915	17600	3860