

Environmental Monitoring Data - Merimbula Waste and Recycling Depot - 2019/2020

EPA monitoring point	Description 1	Description 2	Pollutant	Unit	no of samples required	no of samples collected	Lowest	Mean	Highest	3-Dec-19	13-May-20		
2	Surface water	SW10	Absorbable Organic Halogens	mg/L	Special Frequency 1	1	2.1	2.1	2.1	DRY	2.1		
2	Surface water	SW10	Ammonia	mg/L	Special Frequency 1	1	0.9	0.9	0.9	DRY	0.9		
2	Surface water	SW10	Bicarbonate	mg/L	Special Frequency 1	1	95	95	95	DRY	95		
2	Surface water	SW10	Calcium (dissolved)	mg/L	Special Frequency 1	1	129	129	129	DRY	129		
2	Surface water	SW10	Chloride	mg/L	Special Frequency 1	1	236	236	236	DRY	236		
2	Surface water	SW10	Conductivity	µs/cm	Special Frequency 1	1	1810	1810	1810	DRY	1810		
2	Surface water	SW10	Dissolved Oxygen	mg/L	Special Frequency 1	1	0	0	0	DRY	0		
2	Surface water	SW10	Faecal Coliforms	colony forming units per 100 millilitres	Special Frequency 1	1	115	115	115	DRY	115		
2	Surface water	SW10	Fluoride	mg/L	Special Frequency 1	1	0.24	0.24	0.24	DRY	0.24		
2	Surface water	SW10	Iron (dissolved)	mg/L	Special Frequency 1	1	1.7	1.7	1.7	DRY	1.7		
2	Surface water	SW10	Magnesium (dissolved)	mg/L	Special Frequency 1	1	44.6	44.6	44.6	DRY	44.6		
2	Surface water	SW10	Manganese (dissolved)	mg/L	Special Frequency 1	1	0.63	0.63	0.63	DRY	0.63		
2	Surface water	SW10	Nitrate	mg/L	Special Frequency 1	1	0.1	0.1	0.1	DRY	0.1		
2	Surface water	SW10	Nitrite	mg/L	Special Frequency 1	1	0.08	0.08	0.08	DRY	0.08		
2	Surface water	SW10	Nitrogen (total)	mg/L	Special Frequency 1	1	7.42	7.42	7.42	DRY	7.42		
2	Surface water	SW10	Nitrogen Oxides	mg/L	Special Frequency 1	1	0.18	0.18	0.18	DRY	0.18		
2	Surface water	SW10	pH	pH	Special Frequency 1	1	6.95	6.95	6.95	DRY	6.95		
2	Surface water	SW10	Phosphorus (total)	mg/L	Special Frequency 1	1	0.33	0.33	0.33	DRY	0.33		
2	Surface water	SW10	Potassium (dissolved)	mg/L	Special Frequency 1	1	62.9	62.9	62.9	DRY	62.9		
2	Surface water	SW10	Sodium (dissolved)	mg/L	Special Frequency 1	1	133	133	133	DRY	133		
2	Surface water	SW10	Sulfate	mg/L	Special Frequency 1	1	417	417	417	DRY	417		
2	Surface water	SW10	Temperature	degrees Celsius	Special Frequency 1	0	0	#DIV/0!	0	DRY	NR		
2	Surface water	SW10	Total Organic Carbon	mg/L	Special Frequency 1	1	72	72	72	DRY	72		
2	Surface water	SW10	Total Phenolics	mg/L	Special Frequency 1	1	0	0	0	DRY	0		
2	Surface water	SW10	Total Suspended Solids	mg/L	Special Frequency 1	1	47	47	47	DRY	47		
3	Monitoring Bore	MB02	Absorbable Organic Halogens	mg/L		2	1	1.8	1.8		1.8		
3	Monitoring Bore	MB02	Ammonia	mg/L		2	1	126	126		126		
3	Monitoring Bore	MB02	Bicarbonate	mg/L		2	1	1030	1030		1030		
3	Monitoring Bore	MB02	Calcium (dissolved)	mg/L		2	1	15	15		15		
3	Monitoring Bore	MB02	Chloride	mg/L		2	1	302	302		302		
3	Monitoring Bore	MB02	Conductivity	µs/cm		2	1	3170	3170		3170		

3	Monitoring Bore	MB02	Dissolved Oxygen	mg/L	2	1	2.7	2.7	2.7	2.7		
3	Monitoring Bore	MB02	Faecal Coliforms	colony forming units per 100 millilitres	2	1	0	0	0	0		
3	Monitoring Bore	MB02	Fluoride	mg/L	2	1	0.08	0.08	0.08	0.08		
3	Monitoring Bore	MB02	Iron (dissolved)	mg/L	2	1	85.2	85.2	85.2	85.2		
3	Monitoring Bore	MB02	Magnesium (dissolved)	mg/L	2	1	33.4	33.4	33.4	33.4		
3	Monitoring Bore	MB02	Manganese (dissolved)	mg/L	2	1	0.108	0.108	0.108	0.108		
3	Monitoring Bore	MB02	Nitrate	mg/L	2	1	0.31	0.31	0.31	0.31		
3	Monitoring Bore	MB02	Nitrite	mg/L	2	1	0	0	0	0		
3	Monitoring Bore	MB02	Nitrogen (total)	mg/L	2	1	159	159	159	159		
3	Monitoring Bore	MB02	Nitrogen Oxides	mg/L	2	1	0.31	0.31	0.31	0.31		
3	Monitoring Bore	MB02	pH	pH	2	1	6.6	6.6	6.6	6.6		
3	Monitoring Bore	MB02	Phosphorus (total)	mg/L	2	1	0.56	0.56	0.56	0.56		
3	Monitoring Bore	MB02	Potassium (dissolved)	mg/L	2	1	83.6	83.6	83.6	83.6		
3	Monitoring Bore	MB02	Sodium (dissolved)	mg/L	2	1	225	225	225	225		
3	Monitoring Bore	MB02	Sulfate	mg/L	2	1	5	5	5	5		
3	Monitoring Bore	MB02	Temperature	degrees Celsius	2	1	19.7	19.7	19.7	19.7		
3	Monitoring Bore	MB02	Total Organic Carbon	mg/L	2	1	152	152	152	152		
3	Monitoring Bore	MB02	Total Phenolics	mg/L	2	1	0.1	0.1	0.1	0.1		
3	Monitoring Bore	MB02	Total Suspended Solids	mg/L	2	1	257	257	257	257		
4	Monitoring Bore	MB03	Absorbable Organic Halogens	mg/L	2	1	1.5	1.5	1.5	1.5		
4	Monitoring Bore	MB03	Ammonia	mg/L	2	1	78	78	78	78		
4	Monitoring Bore	MB03	Bicarbonate	mg/L	2	1	498	498	498	498		
4	Monitoring Bore	MB03	Calcium (dissolved)	mg/L	2	1	6.5	6.5	6.5	6.5		
4	Monitoring Bore	MB03	Chloride	mg/L	2	1	1910	1910	1910	1910		
4	Monitoring Bore	MB03	Conductivity	µs/cm	2	1	6420	6420	6420	6420		
4	Monitoring Bore	MB03	Dissolved Oxygen	mg/L	2	1	6.1	6.1	6.1	6.1		
4	Monitoring Bore	MB03	Faecal Coliforms	colony forming units per 100 millilitres	2	1	2	2	2	2		
4	Monitoring Bore	MB03	Fluoride	mg/L	2	1	0.09	0.09	0.09	0.09		
4	Monitoring Bore	MB03	Iron (dissolved)	mg/L	2	1	112	112	112	112		
4	Monitoring Bore	MB03	Magnesium (dissolved)	mg/L	2	1	88.7	88.7	88.7	88.7		
4	Monitoring Bore	MB03	Manganese (dissolved)	mg/L	2	1	12.4	12.4	12.4	12.4		
4	Monitoring Bore	MB03	Nitrate	mg/L	2	1	0	0	0	0		
4	Monitoring Bore	MB03	Nitrite	mg/L	2	1	0	0	0	0		
4	Monitoring Bore	MB03	Nitrogen (total)	mg/L	2	1	83.3	83.3	83.3	83.3		

4	Monitoring Bore	MB03	Nitrogen Oxides	mg/L	2	1	0	0	0	0		
4	Monitoring Bore	MB03	pH	pH	2	1	6.2	6.2	6.2		6.2	
4	Monitoring Bore	MB03	Phosphorus (total)	mg/L	2	1	0.22	0.22	0.22		0.22	
4	Monitoring Bore	MB03	Potassium (dissolved)	mg/L	2	1	49.8	49.8	49.8		49.8	
4	Monitoring Bore	MB03	Sodium (dissolved)	mg/L	2	1	924	924	924		924	
4	Monitoring Bore	MB03	Sulfate	mg/L	2	1	61.9	61.9	61.9		61.9	
4	Monitoring Bore	MB03	Temperature	degrees Celsius	2	1	18.2	18.2	18.2		18.2	
4	Monitoring Bore	MB03	Total Organic Carbon	mg/L	2	1	82	82	82		82	
4	Monitoring Bore	MB03	Total Phenolics	mg/L	2	1	0	0	0		0	
4	Monitoring Bore	MB03	Total Suspended Solids	mg/L	2	1	164	164	164		164	
5	Monitoring Bore	MB05	Absorbable Organic Halogens	mg/L	2	1	1	1	1		1	
5	Monitoring Bore	MB05	Ammonia	mg/L	2	1	0.4	0.4	0.4		0.4	
5	Monitoring Bore	MB05	Bicarbonate	mg/L	2	1	50	50	50		50	
5	Monitoring Bore	MB05	Calcium (dissolved)	mg/L	2	1	5.31	5.31	5.31		5.31	
5	Monitoring Bore	MB05	Chloride	mg/L	2	1	1130	1130	1130		1130	
5	Monitoring Bore	MB05	Conductivity	µs/cm	2	1	3590	3590	3590		3590	
5	Monitoring Bore	MB05	Dissolved Oxygen	mg/L	2	1	1.9	1.9	1.9		1.9	
5	Monitoring Bore	MB05	Faecal Coliforms	colony forming units per 100 millilitres	2	1	0	0	0		0	
5	Monitoring Bore	MB05	Fluoride	mg/L	2	1	0.17	0.17	0.17		0.17	
5	Monitoring Bore	MB05	Iron (dissolved)	mg/L	2	1	1.52	1.52	1.52		1.52	
5	Monitoring Bore	MB05	Magnesium (dissolved)	mg/L	2	1	85.2	85.2	85.2		85.2	
5	Monitoring Bore	MB05	Manganese (dissolved)	mg/L	2	1	1.04	1.04	1.04		1.04	
5	Monitoring Bore	MB05	Nitrate	mg/L	2	1	0	0	0		0	
5	Monitoring Bore	MB05	Nitrite	mg/L	2	1	0	0	0		0	
5	Monitoring Bore	MB05	Nitrogen (total)	mg/L	2	1	0.49	0.49	0.49		0.49	
5	Monitoring Bore	MB05	Nitrogen Oxides	mg/L	2	1	0	0	0		0	
5	Monitoring Bore	MB05	pH	pH	2	1	5.2	5.2	5.2		5.2	
5	Monitoring Bore	MB05	Phosphorus (total)	mg/L	2	1	0.04	0.04	0.04		0.04	
5	Monitoring Bore	MB05	Potassium (dissolved)	mg/L	2	1	6.2	6.2	6.2		6.2	
5	Monitoring Bore	MB05	Sodium (dissolved)	mg/L	2	1	544	544	544		544	
5	Monitoring Bore	MB05	Sulfate	mg/L	2	1	26.7	26.7	26.7		26.7	
5	Monitoring Bore	MB05	Temperature	degrees Celsius	2	1	16.7	16.7	16.7		16.7	
5	Monitoring Bore	MB05	Total Organic Carbon	mg/L	2	1	2	2	2		2	
5	Monitoring Bore	MB05	Total Phenolics	mg/L	2	1	0	0	0		0	
5	Monitoring Bore	MB05	Total Suspended Solids	mg/L	2	1	42	42	42		42	

6	Leachate Dam	SW11	Resorbable Organic Halogens	mg/L	Special Frequency 1	2	3.6	4.25	4.9	3.6	4.9		
6	Leachate Dam	SW11	Ammonia	mg/L	Special Frequency 1	2	159	170	181	181	159		
6	Leachate Dam	SW11	Bicarbonate	mg/L	Special Frequency 1	2	1480	1735	1990	1990	1480		
6	Leachate Dam	SW11	Calcium (dissolved)	mg/L	Special Frequency 1	1	424	424	424	424			
6	Leachate Dam	SW11	Chloride	mg/L	Special Frequency 1	0	0	#DIV/0!	0				
6	Leachate Dam	SW11	Conductivity	µs/cm	Special Frequency 1	2	8730	12865	17000	17000	8730		
6	Leachate Dam	SW11	Dissolved Oxygen	mg/L	Special Frequency 1	0	0	#DIV/0!	0				
6	Leachate Dam	SW11	Faecal Coliforms	colony forming units per 100 millilitres	Special Frequency 1	2	53600	66800	80000	53600	80000		
6	Leachate Dam	SW11	Fluoride	mg/L	Special Frequency 1	2	0.27	0.635	1	1	0.27		
6	Leachate Dam	SW11	Iron (dissolved)	mg/L	Special Frequency 1	2	13.6	51.25	88.9	88.9	13.6		
6	Leachate Dam	SW11	Magnesium (dissolved)	mg/L	Special Frequency 1	1	5.11	5.11	5.11	5.11			
6	Leachate Dam	SW11	Manganese (dissolved)	mg/L	Special Frequency 1	1	2.75	2.75	2.75		2.75		
6	Leachate Dam	SW11	Nitrate	mg/L	Special Frequency 1	2	0	0.04	0.08	0.08	0		
6	Leachate Dam	SW11	Nitrite	mg/L	Special Frequency 1	2	0	0.11	0.22	0	0.22		
6	Leachate Dam	SW11	Nitrogen (total)	mg/L	Special Frequency 1	2	0	243.5	487	487	0		
6	Leachate Dam	SW11	Nitrogen Oxides	mg/L	Special Frequency 1	2	0	0.04	0.08	0.08	0		
6	Leachate Dam	SW11	pH	pH	Special Frequency 1	2	7.6	7.915	8.23	8.23	7.6		
6	Leachate Dam	SW11	Phosphorus (total)	mg/L	Special Frequency 1	1	47.6	47.6	47.6		47.6		
6	Leachate Dam	SW11	Potassium (dissolved)	mg/L	Special Frequency 1	2	1940	2580	3220	3220	1940		
6	Leachate Dam	SW11	Sodium (dissolved)	mg/L	Special Frequency 1	0	0	#DIV/0!	0				
6	Leachate Dam	SW11	Sulfate	mg/L	Special Frequency 1	2	103	188	273	273	103		
6	Leachate Dam	SW11	Temperature	degrees Celsius	Special Frequency 1	0	0	#DIV/0!	0				
6	Leachate Dam	SW11	Total Organic Carbon	mg/L	Special Frequency 1	2	1750	3130	4510	4510	1750		
6	Leachate Dam	SW11	Total Phenolics	mg/L	Special Frequency 1	2	0	0	0	0	0		
6	Leachate Dam	SW11	Total Suspended Solids	mg/L	Special Frequency 1	2	1130	2270	3410	3410	1130		