

BLUE SKY RESOURCE RECOVERY LTD.
**LISBANE LANDFILL SITE ANNUAL
ENVIRONMENTAL REPORT 2021**

Waste & Engineering

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Report

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1 Introduction

1.1 Operator Background information

The operator of Lisbane Landfill Site is as follows:

Blue Sky Resource Recovery Ltd.
29 Aughlish Road
Tandragee
BT62 2EE

The agent completing the Annual Environmental Monitoring Report is as below:

Taggarts
23 Bedford Street,
BT27EJ
Belfast

The monitoring of water quality and landfill gas at Lisbane is undertaken on a monthly basis as a requirement of PPC permit P0145/06A/V7

1.2 Scope and Objective

The objectives of this report are to:

- Review the groundwater quality at the site for the period January to December 2021;
- Review the surface water quality at the site for the period January to December 2021;
- Review leachate quality at the site for the period January to December 2021; and
- Review the landfill gas at the site for the period January to December 2021.

1.3 Terms of Reference

This document represents the Annual Environmental Monitoring Report for Lisbane Landfill Site submitted to the Northern Ireland Environment Agency (NIEA) in pursuance of PPC Permit Number P0145/06A/V7.

1.4 Limitations Of the Review

Some samples were unable to be collected for various reasons, which are detailed in the monitoring section.

2 Site Characteristics

2.1 Site Location

Lisbane Landfill Site occupies a former steep sided quarry and is located on Aughlish Road, approximately 2.3km to southeast of Tandragee. The site previously accepted a variety of primarily non-hazardous wastes since 1997. The site was constructed as a containment landfill with a groundwater management system and a composite lining system.

Table 2.1 Site Details

Site Address	Lisbane Landfill, 29 Aughlish Road, Tandragee, Co Armagh
Grid Reference	J 04803 44531
Estimated Site Area	3.8 hectares

The immediate surrounding area is primarily agricultural, open farmland with scattered farm buildings and dwellings.

Table 2.2 Potential Receptors

Receptor Name	Receptor Type	Minimum Distance from Site Boundary	Direction from Site
A	Commercial property	Adjacent to site	East
B	Residential property	240m	North-East
C	Residential property	130m	South-East
D	Residential properties	300m	South
E	Residential property	420m	West
F	Residential property	290m	North-West

2.2 Installation details

The site covers an area of approximately 3.8 hectares, the site ceased accepting non-hazardous waste in 2013. The site was excavated to approximately 30m deep below its eastern, and lowest, crest. A recent permit variation included allowing the acceptance of inert wastes in order to bring the site to final approved restoration levels.

The site was engineered as a landfill with a groundwater management system outside a composite lining system, which comprised of: Bentonite Enriched Soil (BES) and a Geo-Synthetic Clay Layer (GCL) overlain by a High-density Polyethylene (HDPE) liner.

Leachate drainage over the base of the site is also provided either in the form of herringbone drains or as a drainage blanket. Leachate is extracted via two leachate extraction points (LEP A and LEP B) and treated in the onsite leachate treatment plant. The site has gas exploitation with a single gas engine and flare installed.

2.3 Geology

The Geological Survey Northern Ireland (GSNI) Bedrock Geology Map shows that the bedrock geology beneath the facility is Sandstone. The GSNI Superficial Geology Map shows that the superficial geology at the majority of the site is Diamicton.

2.4 Hydrogeology

The Groundwater Vulnerability Map for Northern Ireland indicates that the Strangford Group Formation is classed as a weakly permeable formation with soil of low leaching potential.

The overlying till is likely to represent low permeability, non-water bearing drift deposits which can be substantial in thickness and act as a barrier to any downwardly migrating contaminants.

2.5 Hydrology

The landfill has been operated under hydraulic containment since 2010, the maximum leachate level permitted at the site is 19.8mAOD (3m above the basal liner). The direction of groundwater flow in the greywacke sandstone aquifer is towards the site from the south, east and west.

2.6 Environmentally Sensitive Areas

An Area of Special Scientific Interest (ASSI) is located approximately 5km of the Site, this is Moyrourkan Lough ASSI, which lies southwest of the Site, it is of special scientific interest because of its wetland flora and fauna.

The wetland has a diverse range of communities ranging from open water to swamp and fen. Marginal grasslands and Carr woodland provide additional habit diversity. The open waters of the two small lakes support an extensive growth of floating broad-leaved pondweed, with localised yellow waterlily along the margins. A wide range of fen communities surround the lakes. The fen is dominated by bottle sedge and associated species are highly variable ranging from bogbean and water horsetail in the wetter pockets to sweet vernal-grass and Yorkshire fog in drier areas.

Moyrourkan Lough also supports a notable invertebrate community, including a number of locally distributed species of aquatic Coleoptera (water beetles) such as *Dytiscus circumcinctus*. The community also contains a number of relict species (isolated remnant of a once-abundant species) indicative of undisturbed rich fens, generally restricted to east and central Ireland. It must be noted that this ASSI is not hydraulically linked to Lisbane Landfill Site. No other environmentally sensitive areas lie within 5km of the installation.

2.7 Current Site Operations

The site accepted a variety of waste types, primarily non-hazardous, between 1997 and 2013. The site currently is accepting inert wastes in order to raise landfill levels to agreed restoration levels. Leachate continues to be treated within the on-site leachate treatment plant.

2.8 Pre-operational Measures and Improvement Conditions

Improvement condition related to leachate extraction point LEP A.

2.9 Topography

Lisbane Landfill is set within an open and relatively undulating rural landscape. The landfill site is situated in a former flooded hard rock quarry (greywacke), which was excavated to approximately 30m deep below its eastern, and lowest, crest.

Topographically, the site falls towards the east, with an elevation drop across the Installation from approximately 65 mAOD in the west to about 35 mAOD in the east. The most recent topographical survey undertaken is available in Appendix A. A settlement assessment and remaining void capacity report is available in Appendix C.

3 Leachate

3.1 Leachate Permit Conditions

Leachate monitoring occurs at two locations; one before the leachate treatment plant (raw leachate) and one after the leachate treatment plant (treated leachate). Table S4.1 of the permit states that leachate levels must not exceed 3m above the cell base. Details of the leachate monitoring requirements are shown below.

Table 3.1 Leachate Level Monitoring Requirements

Monitoring Point	Limit	Frequency
LEP A	3m above base	Monthly
LEP B		

Table 3.2 Leachate Monitoring Requirements

Emission Point Reference	Parameter	Monitoring Frequency
MBR Inlet MBR Outlet	pH, Temperature, Electrical Conductivity, Ammoniacal Nitrogen, Chloride, BOD, COD, Total Suspended Solids	Monthly
MBR Inlet MBR Outlet	TON, TOC, Calcium, Magnesium, Sodium, Potassium, Manganese, Iron, Zinc, Nickel, Chromium, Cadmium, Arsenic, Mercury, Sulphate, Lead, Alkalinity, Mecoprop, Naphthalene, Phenols	Quarterly
MBR Inlet MBR Outlet	Hazardous Substances Screen	Annually

The locations of the groundwater, surface water, leachate and gas monitoring locations are shown in Figure 15047-003. Leachate is currently managed through a leachate drainage, extraction and treatment system. The base of the landfill has been designed with falls to a leachate collection drain and sump. This allows any leachate to be efficiently carried to the drainage sump for extraction from the site via a submersible pump which is connected to an 80mm pumping main. Leachate is pumped from two points within the landfill to the leachate treatment plant. Leachate samples are taken prior to entry to the treatment plant (raw) and following treatment within the on-site plant (treated).

3.2 Leachate Results and Discussion

The level of leachate in the landfill is monitored via two leachate extraction points; LEP A and LEP B. Table S4.1 of the permit specifies the limit of leachate to be 3m above the cell base.

The level of leachate within LEP A and LEP B throughout the monitoring period is expressed as metres above base and shown in the table below. Please note that results from the Hazardous Substances Screen are available in Appendix A.

Table 3.3 Leachate Levels (m)

Monitoring Point	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
LEP A	-	-	-	-	-	-	-	-	-	-	-	-
LEP B	0.89	0.59	0.19	0.69	0.59	0.29	0.59	0.74	0.39	0.74	0.59	0.89

Levels recorded at LEP B remained within compliance levels throughout the monitoring period. Please note that LEP A was unable to be dipped throughout the monitoring period.

Table 3.4 Raw Leachate Results

Parameter	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	mg/l	900	952	885	1020	180	1130	1040	1060	802	215	1,150	1,540
BOD	m/l	68.5	83.7	47.9	70.8	90.1	79.5	69.1	64.2	60.6	54.9	235	105
Chloride	mg/l	1290	1230	1120	1280	1150	1750	1390	1360	1040	1,670	1,680	1,780
COD	mg/l	1540	1560	1360	1670	7050	1910	1800	2000	1730	8,020	2,090	3,650
Electrical Conductivity	µS/cms	13300	13,600	11,000	13,200	8,770	15500	15,300	14600	11,500	12,400	16,800	20,300
pH	Units	7.44	7.53	7.55	7.36	5.94	7.6	7.54	7.74	7.58	5.6	7.62	7.71
Suspended Solids	mg/l	26	16	12	7	3620	10	38	14	16	3,370	18	34
Alkalinity	mg/l			4730			6220			4520			128
Arsenic	ug/l			24.9			34.2			51.7			
Cadmium	ug/l			<0.5			<0.5			<5			<0.5
Calcium	mg/l			123			135			147			77.8
Chromium	ug/l			160			196			285			<3
Iron	mg/l			6.42			8.68			6.53			0.09

Lead	ug/l			1.94			3.12			<10			<1
Magnesium	mg/l			59.9			75.1			79			28.7
Manganese	ug/l			822			1000			1020			43.2
Mecoprop	ug/l			22.6			0.3			39.2			0.06
Mercury	ug/l			<0.2			<0.02			<0.2			<0.05
Naphthalene	ug/l			4.05			6.97			5.55			<0.50
Nickel	ug/l			104			138			193			5.6
Phenol	mg/l			0.03			<0.25			0.14			<0.20
Potassium	mg/l			450			517			568			6.54
Sodium	mg/l			1040			1230			1400			16.3
Sulphate	mg/l			67.8			181			200			188
TOC	mg/l			412			1900			736			35
TON	mg/l			0.08			<0.4			1.78			2.62
Zinc	ug/l			60.6			98.6			153			<5

Table 3.5 Treated Leachate Results

Parameter	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	mg/l	862	757	879	733	673	1140	83.2	58	55.4	176	366	297
BOD	m/l	54.7	47.1	48.3	52.5	59.7	77.1	6.77	2.13	29	18.6	34.8	13.3
Chloride	mg/l	1210	1170	1180	957	1010	1460	1250	1250	1050	1,140	1,110	924
COD	mg/l	1370	1530	1350	1290	679	2010	971	924	1720	3,410	1,580	1,020
Electrical Conductivity	µS/cms	12,300	12500	12,300	11,100	11,700	15,800	10,800	9280	9,210	12,600	13,900	8,790
pH	Units	7.54	7.64	7.71	7.65	7.77	7.88	5.29	5.81	5.57	5.47	7.78	8.05
Suspended Solids	mg/l	21	48	22	42	35	32	34	38	660	3,360	42	222
Alkalinity	mg/l			4760			6300			165			1,290
Arsenic	ug/l			26.5			38.6			106			22.5
Cadmium	ug/l			<0.5			<0.5			<5			<0.5

Calcium	mg/l			124			139			293			96.7
Chromium	ug/l			159			246			713			205
Iron	mg/l			6.55			11.9			99.8			12
Lead	ug/l			2.45			5.45			56.5			6.22
Magnesium	mg/l			61.9			77.1			114			53.10
Manganese	ug/l			792			1010			3970			762
Mecoprop	ug/l			24			0.31			0.14			<0.40
Mercury	ug/l			<0.2			<0.02			<0.2			<0.02
Naphthalene	ug/l			3.37			4.92			1.08			<0.50
Nickel	ug/l			106			141			233			142
Phenol	mg/l			0.03			<0.25			<0.025			0.20
Potassium	mg/l			419			561			498			567
Sodium	mg/l			1070			1320			1840			1,490
Sulphate	mg/l			80.1			198			60.8			142.00
TOC	mg/l			444			1900			291			-
TON	mg/l			1.32			<0.4			722			386
Zinc	ug/l			73.1			124			1070			268

3.3 Leachate Conclusions

Leachate levels remained reasonably stationary throughout the year, with results varying from between 0.19m and 0.89m being recorded.

Treated leachate results were again reasonably consistent, with the most significant variances present within suspended soils (refer to Sept 2021), alkalinity (March 2021), Iron and TOC levels.

A similar trend can be found within raw leachate results, with the most notable increase in data being present within BOD values from last year. Additionally, a notable spike in suspended soils can be seen as present within the second quarter of data collated, which may largely be considered erroneous due to the values significant increase when compared to previous months data (with reference to May 2021).

4 Groundwater

4.1 Groundwater Permit Conditions

There are a total of ten groundwater monitoring points, with five located up-gradient (BH2, BH4, BH9, BH10 and BH13) and five down-gradient (BH5, BH5A, BH6, BH6A and BH8) of the site. Please note that BH5A is no longer required to be sampled; BH10 is dry and unable to be sampled. Some of the boreholes are also no longer operational (BH1, BH5A, BH7A)

Table 4.1 Groundwater Monitoring Requirements

Emission Point Reference	Parameter	Control Limit	Trigger Limit	Monitoring Frequency
BH2, BH4, BH5, BH6, BH6A, BH8, BH9, BH10, BH13 and GWL	Chloride	150 mg/l	250 mg/l	Monthly
	Ammoniacal Nitrogen	0.25 mg/l	1 mg/l	
BH2, BH4, BH5, BH6, BH6A, BH8, BH9, BH10, BH13 and GWL	Nickel	19 ug/l	20 ug/l	Quarterly
	Cadmium	1 µg/l	1 µg/l	
	Mercury	0.1 µg/l	0.1 µg/l	
	Zinc	800 µg/l	1000 µg/l	
	Mecoprop	20 µg/l	20 µg/l	
	Naphthalene	10 µg/l	10 µg/l	
	Phenol	20 µg/l	30 µg/l	

Table 4.2 Other Groundwater Monitoring Requirements

Monitoring point reference	Parameter	Monitoring Frequency
BH2, BH4, BH5, BH6, BH6A, BH8, BH9, BH10, BH13	pH Water Level Temperature COD Electrical Conductivity	Monthly

Monitoring point reference	Parameter	Monitoring Frequency
BH2, BH4, BH5, BH6, BH6A, BH8, BH9, BH10, BH13	Alkalinity TON TOC BOD Calcium Magnesium Sodium Potassium Manganese Iron Chromium Lead Arsenic Sulphate	Quarterly
BH2, BH4, BH5, BH6, BH6A, BH8, BH9, BH10, BH13	Hazardous Substances Screen	Annually

4.3 Groundwater Results and Conditions

The tables below show the results for groundwater sampling undertaken from January to December 2021. The results are screened against limits listed in Schedule 4 of the permit; any exceedances will be highlighted in red, with any exceedances of EQS/UKDWS limits highlighted in blue. Groundwater levels throughout the year are shown in Table 4.3

Results of the Hazardous Substances Screen are available in Appendix B.

Table 4.4 Groundwater Levels

Monitoring Point	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
BH2	33.9	33.9	33.7	33.2	33.3	33.2	33.4	33.3	33.4	33.3	33.4	33.3
BH4	33.41	33.51	33.21	33.41	32.81	33.01	32.41	32.41	32.51	33.01	32.71	32.71
BH5	33.26	33.26	32.56	31.86	32.46	31.96	31.96	31.86	32.06	32.46	31.86	31.96
BH5A	-	-	-	-	-	-	-	-	-	-	-	-
BH6	32.8	32.6	31.9	31.7	33.1	32.1	31.4	31.6	31.6	32.1	31.6	31.5
BH6A	32.89	32.69	32.39	31.99	32.09	32.19	32.09	31.89	32.09	32.09	31.79	31.89
BH8	32.1	32.4	32	31	31.7	31.8	32	32	31.9	-	31.2	31.5
BH9	32.85	32.35	32.65	31.95	32.25	32.35	31.85	31.95	31.95	32.05	32.15	32.05
BH10	45.07	45.07	45.07	45.07	45.07	45.07	45.07	45.07	45.07	45.07	45.07	45.07
BH13	33.51	33.01	33.21	32.91	32.81	32.91	33.01	33.11	33.11	33.01	33.01	32.91

*Groundwater levels are measured from the top of the borehole cover and expressed as mAOD.

Table 4.5 BH2 Results

Parameter	Limit	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	1	mg/l	0.11	0.11	0.11	2.11	2.02	0.44	1.02	0.68	-	-	-	-
Chloride	250	mg/l	17.4	24	23.4	28.3	27.3	17.3	16.7	19.3	-	-	-	-
COD		mg/l	78	95	76	140	48	90	106	39	-	-	-	-
Electrical Conductivity		µS/cm	611	587	482	723	776	700	838	802	-	-	-	-
pH		Units	7.61	7.62	7.95	7.48	7.28	7.26	7.02	7.2	-	-	-	-
Level Below Surface			22.7	22.7	22.9	23.4	23.3	23.4	23.2	23.3	23.2	23.3	23.2	23.3
Level			33.9	33.9	33.7	33.2	33.3	33.2	33.4	33.3	33.4	33.3	33.4	33.3
Alkalinity		mg/l			90			213						
Arsenic		ug/l			8.67			50.1						
BOD		ug/l			2.08			7.28						
Cadmium	1	ug/l			0.5			<0.5						
Calcium		ug/l			44.2			74.4						
Chromium		ug/l			4.43			4.68						
Iron		mg/l			3.7			4.43						
Lead		ug/l			4.91			7.84						
Magnesium		mg/l			18.7			29.9						
Manganese		ug/l			88.6			158						
Mecoprop	20	ug/l			0.04			<0.04						
Mercury	0.1	ug/l			0.025			<0.02						
Naphthalene	10	ug/l			1			<0.01						
Nickel	20	ug/l			9.98			12.7						
Phenol	0.03	mg/l			0.025			<0.025						
Potassium		mg/l			4.16			3.44						
Sodium		mg/l			16			16.2						
Sulphate		mg/l			107			143						
TOC		mg/l			7.81			4.1						
TON		mg/l			3.69			0.51						
Zinc	1000	ug/l			33			41.5						

Table 4.6 BH4 Results

Parameter	Limit	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	1	mg/l	0.11	0.11	0.11	<0.11	<0.11	<0.11	<0.11	<0.11	0.18	<0.11	<0.11	0.16
Chloride	250	mg/l	16.4	15.7	13.5	13.7	16	21.2	22.2	22.9	19.8	23.8	19.6	26.2
COD		mg/l	25	25	36	<25	<25	<25	<25	12.7	60	30	<25	26
Electrical Conductivity		µS/cm	1060	1060	1050	1050	1070	1120	1140	1100	1130	1120	1,130	1,160
pH		Units	6.8	6.84	6.78	6.91	6.9	6.84	6.92	7.05	6.85	6.76	6.82	6.73
Level Below Surface			4.9	4.8	5.1	4.9	5.5	5.3	5.9	5.9	5.8	5.3	5.6	5.6
Level			33.41	33.51	33.21	33.41	32.81	33.01	32.41	32.41	32.51	33.01	32.71	32.71
Alkalinity		mg/l			396			420			392			614
Arsenic		ug/l			2			<2			<2			<2
BOD		ug/l			1			<1			<1			<1.00
Cadmium	1	ug/l			0.5			<0.5			<0.5			<0.5
Calcium		ug/l			149			156			153			171
Chromium		ug/l			4.91			3.21			3.73			<3
Iron		mg/l			4.02			2.07			2.53			1.83
Lead		ug/l			1			<1			<1			<1
Magnesium		mg/l			42.4			43.7			45.5			45
Manganese		ug/l			85.7			76.2			136			1,720
Mecoprop	20	ug/l			0.05			<0.04			<0.04			<0.04
Mercury	0.1	ug/l			0.02			<0.02			<0.02			<0.02
Naphthalene	10	ug/l			1			<0.01			<0.01			<0.50
Nickel	20	ug/l			7.35			4.06			5.71			25.3
Phenol	0.03	mg/l			0.025			<0.025			<0.025			<0.20
Potassium		mg/l			5.48			4.93			4.65			4.93
Sodium		mg/l			14.7			15.8			16.5			15.6
Sulphate		mg/l			191			176			220			211
TOC		mg/l			1			4.4			3.03			81
TON		mg/l			0.08			0.09			0.14			1.03
Zinc	1000	ug/l			9.27			5.06			9.66			8.33

Table 4.7 BH5 Results

Parameter	Limit	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	1	mg/l	0.11	0.11	0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Chloride	250	mg/l	50.7	29.9	20.8	32.6	30.3	33	34.8	31.6	35.8	29.6	30.2	31.8
COD		mg/l	39	27	25	29	<25	39	28	23.7	79	38	35	32
Electrical Conductivity		µS/cm	803	613	692	826	869	941	1040	1050	1290	1400	1,430	1,340
pH		Units	7.09	7.2	7.23	7.13	7.17	7.17	7.09	7.13	7	6.89	6.93	6.94
Level Below Surface			3.6	3.6	4.3	5	4.4	4.9	4.9	5	4.8	4.4	5	4.9
Level			33.26	33.26	32.56	31.86	32.46	31.96	31.96	31.86	32.06	32.46	31.86	31.96
Alkalinity		mg/l			148			207			223			180
Arsenic		ug/l			2			2.04			6.98			<2
BOD		ug/l			1			<1			<1			1.08
Cadmium	1	ug/l			0.5			<0.5			<0.5			<0.5
Calcium		ug/l			85.8			111			177			191
Chromium		ug/l			3			3.45			18			<3
Iron		mg/l			1.4			2.74			14.2			1.84
Lead		ug/l			1.51			2.92			14.8			2.24
Magnesium		mg/l			21.9			28.4			41.7			37.40
Manganese		ug/l			111			224			1410			224
Mecoprop	20	ug/l			0.04			<0.04			<0.04			<0.04
Mercury	0.1	ug/l			0.02			<0.02			<0.02			<0.02
Naphthalene	10	ug/l			1			<0.01			<0.01			0.50
Nickel	20	ug/l			6.06			12.9			51.3			10.1
Phenol	0.03	mg/l			0.025			<0.025			<0.025			<0.20
Potassium		mg/l			6.07			8.57			13.1			9.67
Sodium		mg/l			20.6			29			40.7			29
Sulphate		mg/l			179			254			417			503
TOC		mg/l			6.27			8.5			10.3			46
TON		mg/l			1.71			0.4			10.6			2.17
Zinc	1000	ug/l			14.7			23.9			77.9			16.6

Table 4.8 BH6 Results

Parameter	Limit	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	1	mg/l	0.11	0.11	0.99	<0.11	<0.11	0.5	<0.11	<0.11	0.4	1.28	0.42	0.50
Chloride	250	mg/l	21.5	21	21.5	20.3	21.7	22.3	23.6	27.1	21.6	19.1	32.1	25.8
COD		mg/l	101	78	4190	128	90	970	39	26.3	3410	2200	422	NR
Electrical Conductivity		µS/cm	790	631	770	769	888	1100	1090	1040	1000	685	897	866
pH		Units	7.18	7.29	7.33	7.2	7.25	7.32	7.17	7.3	7.28	7.27	7.17	7.24
Level Below Surface			3.3	3.5	4.2	4.4	3	4	4.7	4.5	4.5	4	4.5	4.6
Level			32.8	32.6	31.9	31.7	33.1	32.1	31.4	31.6	31.6	32.1	31.6	31.5
Alkalinity		mg/l			162			200			191			203
Arsenic		ug/l			43.3			268			89.6			274
BOD		ug/l			218			28			17.8			116
Cadmium	1	ug/l			3			<30			<5			<30
Calcium		ug/l			157			1710			316			1,620
Chromium		ug/l			253			1450			540			1,450
Iron		mg/l			186			1360			371			1,290
Lead		ug/l			144			1580			467			1,540
Magnesium		mg/l			120			1860			312			2,150
Manganese		ug/l			4540			55500			12500			63,600
Mecoprop	20	ug/l			0.04			<0.04			<0.04			<0.04
Mercury	0.1	ug/l			0.02			0.255			<0.02			0.366
Naphthalene	10	ug/l			1			0.247			0.0117			<0.50
Nickel	20	ug/l			425			3730			1050			3,670
Phenol	0.03	mg/l			0.025			<0.025			<0.025			<0.20
Potassium		mg/l			21			178			37.6			153
Sodium		mg/l			15.9			52.4			24.2			49.5
Sulphate		mg/l			205			386			334			234
TOC		mg/l			322			7			24.1			48
TON		mg/l			0.61			0.39			2.47			1.07
Zinc	1000	ug/l			796			8960			2050			7250

Table 4.9 BH6A Results

Parameter	Limit	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	1	mg/l	0.11	0.11	0.11	<0.11	<0.11	0.24	<0.11	<0.11	0.21	0.4	0.49	0.33
Chloride	250	mg/l	29.1	28.8	30.6	31.7	34.3	39.9	40.2	47.8	41	34.8	34.4	41.8
COD		mg/l	25	25	25	38	<25	129	<25	13.8	91	27	<25	
Electrical Conductivity		µS/cm	942	953	929	902	914	964	976	951	1000	1020	1,040	1,090
pH		Units	7.14	6.94	7.02	6.94	7.02	7.05	6.95	7.07	7.13	7.02	7.03	6.98
Level Below Surface			4	4.2	4.5	4.9	4.8	4.7	4.8	5	4.8	4.8	5.1	5
Level			32.89	32.69	32.39	31.99	32.09	32.19	32.09	31.89	32.09	32.09	31.79	31.89
Alkalinity		mg/l			217			241			252			239
Arsenic		ug/l			2			<2			<2			2.37
BOD		ug/l			1			<1			<1			<1.00
Cadmium	1	ug/l			0.5			<0.5			<0.5			<0.5
Calcium		ug/l			109			103			111			103
Chromium		ug/l			3			<3			3.07			8.46
Iron		mg/l			1.81			0.528			1.11			3.56
Lead		ug/l			1.48			<1			<1			4.37
Magnesium		mg/l			28.8			28.8			29.7			28.7
Manganese		ug/l			218			12.5			81.8			108
Mecoprop	20	ug/l			0.04			0.06			0.05			<0.04
Mercury	0.1	ug/l			0.02			<0.02			0.0267			<0.02
Naphthalene	10	ug/l			1			<0.01			<0.01			<0.5
Nickel	20	ug/l			8.37			5.8			8.16			9.65
Phenol	0.03	mg/l			0.025			<0.025			<0.025			<0.2
Potassium		mg/l			5.9			6.14			6.04			6.72
Sodium		mg/l			35			34.3			38.8			36.8
Sulphate		mg/l			228			200			201			278
TOC		mg/l			4.71			59			3.82			59
TON		mg/l			4.24			4.53			4.87			2.61
Zinc	1000	ug/l			11.3			5.48			8.88			15.7

Table 4.10 BH8 Results

Parameter	Limit	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	1	mg/l	0.11	0.11	0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	-	<0.11	<0.11
Chloride	250	mg/l	14	13.1	14.8	19.4	7.45	16.7	49.9	55.9	15.8	-	36.8	13.8
COD		mg/l	25	25	25	<25	<25	<25	<25	13.7	<25	-	<25	<25
Electrical Conductivity		µS/cm	904	805	765	906	585	808	1180	1230	989	-	1,080	801
pH		Units	7.23	7.3	7.31	7.17	7.61	7.32	7.04	7.1	7.12	-	7.14	7.34
Level Below Surface			11.1	10.8	11.2	12.2	11.5	11.4	11.2	11.2	11.3	-	12	11.7
Level			32.1	32.4	32	31	31.7	31.8	32	32	31.9	-	31.2	31.5
Alkalinity		mg/l			177			202			250			166
Arsenic		ug/l			2			<2			<2			<2
BOD		ug/l			1			<1			<1			1.17
Cadmium	1	ug/l			0.5			<0.5			<0.5			<0.5
Calcium		ug/l			96.5			104			156			96.8
Chromium		ug/l			3			<3			<3			<3
Iron		mg/l			0.39			0.427			0.232			0.501
Lead		ug/l			1			1.11			<1			1.29
Magnesium		mg/l			32.6			34.2			51			32
Manganese		ug/l			760			1650			1150			561
Mecoprop	20	ug/l			0.04			<0.04			<0.04			<0.04
Mercury	0.1	ug/l			0.02			<0.02			<0.02			<0.02
Naphthalene	10	ug/l			1			<0.01			<0.01			<0.50
Nickel	20	ug/l			5.03			8.56			12.9			3.67
Phenol	0.03	mg/l			0.025			<0.025			<0.025			<0.20
Potassium		mg/l			1.64			1.62			1.85			1.68
Sodium		mg/l			14.8			15.2			31.1			12.6
Sulphate		mg/l			212			213			298			242
TOC		mg/l			1			46			<3			35
TON		mg/l			0.08			<0.08			<0.08			0.24
Zinc	1000	ug/l			16.1			31.3			19.6			12.5

Table 4.11 BH9 Results

Parameter	Limit	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	1	mg/l	0.69	0.11	1.02	1.44	<0.11	1.7	0.45	1.28	4.05	2.7	0.11	3.03
Chloride	250	mg/l	59.5	52.9	67.2	91	95.3	94.2	93.5	102	124	106	92.3	102
COD		mg/l	79	81	78	116	112	111	112	121	119	82	91	70
Electrical Conductivity		µS/cm	1490	1500	1470	1510	1530	1620	1650	1740	1900	1810	1,820	1,890
pH		Units	6.78	6.84	6.88	6.85	6.8	6.92	6.77	6.97	7.05	6.88	6.86	6.91
Level Below Surface			16.2	16.7	16.4	17.1	16.8	16.7	17.2	17.1	17.1	17	16.9	17
Level			32.85	32.35	32.65	31.95	32.25	32.35	31.85	31.95	31.95	32.05	32.15	32.05
Alkalinity		mg/l			297			345			551			483
Arsenic		ug/l			2.33			<2			<2			<2
BOD		ug/l			1			<1			1.25			3.49
Cadmium	1	ug/l			0.5			<0.5			<0.5			<0.5
Calcium		ug/l			173			203			404			244
Chromium		ug/l			5.12			<3			3.28			3.37
Iron		mg/l			4.54			0.797			1.86			2.04
Lead		ug/l			1.87			<1			1.07			1.08
Magnesium		mg/l			53.2			66.1			128			60.3
Manganese		ug/l			497			786			307			301
Mecoprop	20	ug/l			0.04			<0.04			<0.04			0.05
Mercury	0.1	ug/l			0.02			<0.02			0.0283			<0.02
Naphthalene	10	ug/l			1			<0.01			<0.01			<0.50
Nickel	20	ug/l			15			17.9			14.8			<0.5
Phenol	0.03	mg/l			0.025			<0.025			<0.025			<0.2
Potassium		mg/l			10.7			16.5			28.1			14.5
Sodium		mg/l			42.6			58.6			116			65.7
Sulphate		mg/l			441			410			346			391
TOC		mg/l			17.1			110			25.8			140
TON		mg/l			1.64			2.7			1.83			2.65
Zinc	1000	ug/l			7.44			<5			7			5.69

Table 4.12 BH13 Results

Parameter	Limit	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	1	mg/l	0.11	0.11	0.11	2.15	0.52	<0.11	<0.11	<0.11	<0.11	0.12	<0.11	0.17
Chloride	250	mg/l	27.5	29.2	25.4	25.7	29.3	28.1	32	28.2	28.8	29.9	38.1	31.5
COD		mg/l	25	25	25	50	26	<25	<25	7.52	31	<25	<25	<25
Electrical Conductivity		µS/cm	719	717	703	720	734	751	757	731	741	744	741	770
pH		Units	7.62	7.62	7.53	7.72	7.49	7.67	7.47	7.56	7.6	7.56	7.58	7.42
Level Below Surface			9.7	10.2	10	10.3	10.4	10.3	10.2	10.1	10.1	10.2	10.2	10.3
Level			33.51	33.01	33.21	32.91	32.81	32.91	33.01	33.11	33.11	33.01	33.01	32.91
Alkalinity		mg/l			183			188			191			216
Arsenic		ug/l			5.61			6.72			5.55			5.69
BOD		ug/l			1			<1			1.63			<1.00
Cadmium	1	ug/l			0.5			<0.5			<0.5			<0.5
Calcium		ug/l			67.9			72.6			68.5			68
Chromium		ug/l			3			<3			<3			<3
Iron		mg/l			0.599			0.433			0.33			0.597
Lead		ug/l			1			<1			<1			<1
Magnesium		mg/l			35.9			40.5			38.8			39.1
Manganese		ug/l			178			319			224			240
Mecoprop	20	ug/l			0.04			<0.04			<0.04			<0.04
Mercury	0.1	ug/l			0.02			<0.02			<0.02			<0.02
Naphthalene	10	ug/l			1			<0.01			<0.01			<0.5
Nickel	20	ug/l			1.45			<0.01			<1			1.66
Phenol	0.03	mg/l			0.025			<0.025			<0.025			<0.13
Potassium		mg/l			1.26			1.11			1.53			1.68
Sodium		mg/l			18.4			22.2			22.1			20.9
Sulphate		mg/l			154			165			155			168
TOC		mg/l			1			41			<3			45
TON		mg/l			0.28			0.14			0.33			0.46
Zinc	1000	ug/l			5.51			<5			8.44			<5

4.3 Groundwater Conclusions

As stipulated by the results collated in table 4:3, groundwater levels remained reasonably consistent, with marginal inclines in values being present with seasonal change in weather. Ammoniacal Nitrogen levels as presented in the data, still show a suggested exceedance of the 1mg/l statutory limit (Refer to BH2, BH6, BH9, BH13). However, there is a suggestion of these exceedance levels being attributed to externalities ex situ: This can be evidenced by boreholes sharing dissimilar values despite close proximity to one another. A potential hydraulic link between boreholes which share these exceedance values is likely.

The remaining parameters collated were all within the outlined permit limits. EQS/UKDWS limits have been adhered to throughout the screening process. Small exceedances within EQS/UKDWS are apparent within the dataset, with particular reference to Iron, Manganese, Ammoniacal Nitrogen, Lead and Nickle (refer to above exceedances illustrated in the figures).

5 Surface Water

5:1 Surface Water Permit Conditions

There are a total of four surface water monitoring points surrounding the site. Surface water is monitored upstream of the site at the main culverted section (SW1) and further downstream as it re-emerges at the northern boundary of the site (SW2). Surface water is also monitored upstream (SW3) and downstream (SW4) of the site in a tributary of the Cusher River. The required surface water monitoring schedule including emission limits are shown in the tables below.

Table 5.1 Surface Water Monitoring Requirements

Emission Point Reference	Parameter	Limit	Monitoring Frequency
SW1, SW2, SW3, SW4	Suspended Solids	50 mg/l	Monthly
	pH	>6 and <9	
	BOD	5mg/l	
	Ammoniacal Nitrogen	1mg/l	
	Oil and Grease	None Visible	

Table 5.2 Other Surface Water Monitoring Requirements

Emission Point Reference	Parameter	Monitoring Frequency
SW1, SW2, SW3, SW4	Chloride	Monthly
	Electrical Conductivity	
	Temperature	

Emission Point Reference	Parameter	Monitoring Frequency
SW1, SW2, SW3, SW4	COD TON TOC Total Alkalinity Copper Calcium Magnesium Sodium Potassium Manganese Iron Nickel Cadmium Chromium Zinc Lead Sulphate Dissolved Oxygen Mecoprop Naphthalene Phenols	Quarterly
SW1, SW2, SW3, SW4	Hazardous Substances Screen	Annually

5:3 Surface Water Results and Discussion

The tables below show the results for surface water sampling undertaken from January to December 2021. The results are screened against limits listed in Schedule 4 of the permit; any exceedances will be highlighted in red, with any exceedances of EQS/UKDWS limits highlighted in blue. Please note that results from the Hazardous Substances Screen are available in Appendix B. Note that SW1 was unable to be effectively sampled from April-December 2021.

Table 5.4 Results SW1

Parameter	Limit	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	1	mg/l	0.15	<0.11	<0.11		-	-	-	-	-	-	-	-
BOD	5	mg/l	3.98	<1	<1		-	-	-	-	-	-	-	-
Chloride		mg/l	14.2	18.7	19.8		-	-	-	-	-	-	-	-
Electrical Conductivity		µS/cm	195	549	879		-	-	-	-	-	-	-	-
Oil and Grease	None visible	-	None	None	None		-	-	-	-	-	-	-	-
pH	6.0-9.0	Units	7.34	7.61	7.61		-	-	-	-	-	-	-	-
Suspended Solids	50	mg/l	77	10	<3		-	-	-	-	-	-	-	-
Alkalinity		mg/l			142									
Cadmium		ug/l			<0.5									
Calcium		mg/l			104									
Chromium		ug/l			<3									
COD		mg/l			<25									
Copper		ug/l			3.32									
Dissolved Oxygen		mg/l			9.43									
Iron		mg/l			0.0859									
Lead		ug/l			<1									
Magnesium		mg/l			42.7									
Manganese		ug/l			11.7									
Mecoprop		ug/l			<0.04									
Naphthalene		ug/l			<1									
Nickel		ug/l			5.55									
Phenol		mg/l			<0.025									
Potassium		mg/l			4.8									
Sodium		mg/l			17.8									
Sulphate		mg/l			300									

TOC		mg/l			4.13									
TON		mg/l			1.36									
Zinc		ug/l			5.14									

Table 5.5 Results SW2

Parameter	Limit	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	1	mg/l	0.24	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	0.12	77.2	<0.11
BOD	5	mg/l	4.1	1.01	<1	1.05	<1	<1	1.3	<1	1.16	2.32	1.12	1.12
Chloride		mg/l	14.3	20	20.7	23.3	17.2	22.1	24.7	22.5	24.2	21	106	22.6
Electrical Conductivity		µS/cm	209	559	887	1140	749	1,120	1,240	1,160	1100	626	767	709
Oil and Grease	None visible	-	None	None	None	None	None	None	None	None	None	None	None	None
pH	6.0-9.0	Units	7.3	7.68	7.7	7.87	7.5	7.95	7.91	7.83	7.88		7.69	7.49
Suspended Solids	50	mg/l	96	<3	4	11	<3	8	<3	6	6	15	4	5
Alkalinity		mg/l			147			204			195			128
Cadmium		ug/l			<0.5			<0.5			<0.5			<0.5
Calcium		mg/l			106			135			135			77.8
Chromium		ug/l			<3			<3			<3			<3
COD		mg/l			<25			<25			26			<25
Copper		ug/l			3.22			3.89			5.09			2.84
Dissolved Oxygen		mg/l			10.43			8.56			9.55			9.06
Iron		mg/l			0.222			0.262			0.16			0.09
Lead		ug/l			<1			<1			<1			<1
Magnesium		mg/l			43.7			55.4			53.9			28.7
Manganese		ug/l			193			35			21.8			43.2
Mecoprop		ug/l			<0.04			<0.04			<0.04			0.06
Naphthalene		ug/l			<1			<0.01			<0.01			<0.5
Nickel		ug/l			5.99			6.43			6.8			5.6

Phenol		mg/l			<0.025			<0.025			<0.025			<0.2
Potassium		mg/l			5.01			5.64			6.1			6.54
Sodium		mg/l			19.1			21.8			21.7			16.3
Sulphate		mg/l			310			401			411			188
TOC		mg/l			3.79			29			5.41			35
TON		mg/l			1.45			0.46			1.09			2.62
Zinc		ug/l			5.1			5.12			6.09			<5

Table 5.6 Results SW3

Parameter	Limit	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	1	mg/l			<0.11	0.12	<0.11	<0.11	0.2	0.16	<0.11	0.22	5.68	<0.11
BOD	5	mg/l			<1	1.13	<1	1.04	3.99	2.08	1.69	2.84	<1.00	<1.00
Chloride		mg/l			35.8	42.4	34.1	37.7	37.7	44.3	40.9	34.9	42.5	40
Electrical Conductivity		µS/cm			429	517	452	508	538	550	553	495	498	472
Oil and Grease	None visible	-			None	None	None	None	None	None	None	None	None	None
pH	6.0-9.0	Units			7.38	7.1	7.16	7.40	7.22	7.25	7.34	6.87	7.36	7.13
Suspended Solids	50	mg/l			42	3	<3	57	86	3	7	20	14	28
Alkalinity		mg/l			126			168			176			121
Cadmium		ug/l			<0.5			<0.5			<0.5			<0.5
Calcium		mg/l			41.4			55.6			58.8			42.8
Chromium		ug/l			<3			<3			<3			<3
COD		mg/l			29			36			32			26
Copper		ug/l			6.59			<1			<1			1.08
Dissolved Oxygen		mg/l			10			5.74			6.54			8.66
Iron		mg/l			2.18			0.286			0.255			0.4444
Lead		ug/l			2.33			<1			<1			<1

Magnesium		mg/l			13.2			15.3			16.4			13.4
Manganese		ug/l			159			313			58.1			73.8
Mecoprop		ug/l			<0.04			<0.04			<0.04			<0.04
Naphthalene		ug/l			<1			<0.01			<0.01			<0.50
Nickel		ug/l			6.41			1.37			1.32			2.78
Phenol		mg/l			<0.025			<0.025			<0.025			<0.2
Potassium		mg/l			2.51			1.63			2.7			2.88
Sodium		mg/l			20.1			21			24.8			21.9
Sulphate		mg/l			32.2			42.6			55.7			48.00
TOC		mg/l			2.55			39			4.33			30
TON		mg/l			1.98			0.54			0.14			3.96
Zinc		ug/l			24.4			<5			<5			8.41

Table 5.7 Results SW4

Parameter	Limit	Unit	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Ammoniacal Nitrogen	1	mg/l						<0.11	<0.11	<0.11	<0.11	0.11	2.93	<0.11
BOD	5	mg/l						<1	<1	<1	2.1	2.53	1.25	<1.00
Chloride		mg/l						28.4	29	29.2	28.9	23.9	31.8	29.7
Electrical Conductivity		µS/cm						896	1,010	993	988	617	703	648
Oil and Grease	None visible	-						None	None	None	None	None	None	None
pH	6.0-9.0	Units						7.94	7.9	7.97	7.79	7.46	7.73	7.46
Suspended Solids	50	mg/l						10	14	15	179	21	5	33
Alkalinity		mg/l						194			184			124
Cadmium		ug/l						<0.5			<0.5			<0.5
Calcium		mg/l						105			110			71.6
Chromium		ug/l						<3			11.9			<3
COD		mg/l						<25			117			<25

Copper		ug/l						5.53			29			3.57
Dissolved Oxygen		mg/l						8.82			9.07			9.27
Iron		mg/l						0.532			8.29			0.498
Lead		ug/l						<1			11.9			<1
Magnesium		mg/l						40			45.9			26.1
Manganese		ug/l						91.4			209			56.1
Mecoprop		ug/l						<0.04			<0.04			0.04
Naphthalene		ug/l						<0.01			<0.01			<0.50
Nickel		ug/l						4.89			18.1			5.59
Phenol		mg/l						<0.025			<0.025			<0.2
Potassium		mg/l						4.18			5.57			5.66
Sodium		mg/l						21.8			25.5			18.6
Sulphate		mg/l						249			324			147
TOC		mg/l						42			5.69			32
TON		mg/l						0.6			0.96			3.21
Zinc		ug/l						7.78			168			10.8

5.8 Surface Water Conclusions

As evidenced by SW3 and SW4, suspended soils showed periods of exceedance beyond the 50mg/l threshold. However, this was only temporary, before compliance was met. It is also notable that because SW3 is located within an upstream location, these exceedance levels evidenced cannot be a direct response of site operations. The most notable exceedances of EQS/UKDWS were namely Sulphate, Iron, Mecoprop and Suspended Soils within the data collated. No further exceedance levels beyond EQS/UKDWS benchmark were evidenced within the data.

6 Landfill Gas

6.1 Landfill Gas Permit Conditions

Gas monitoring is undertaken from 13 perimeter boreholes and 23 in waste gas wells. The gas monitoring required by the permit is shown below.

Table 6.1 Landfill Gas Limits

Monitoring Locations	Parameter	Unit	Limit	Frequency of Monitoring Required
LISBH002, LISBH004, LISBH005, LISBH005A, LISBH006, LISBH006A, LISBH008, LISBH009, LISBH010, LISBH013.	Methane	% v/v	1	Monthly
	Carbon Dioxide	% v/v	1.5	
	Oxygen			
	Atmospheric Pressure			
	Differential Pressure	-	No limit	
	Temperature			
	Meteorological Data			

Table 6.2 Landfill Gas Monitoring Requirements

Emission Point Reference	Parameter	Frequency of Monitoring Required	Other Specifications:
All in-waste landfill gas monitoring boreholes	Methane, Carbon Dioxide, Oxygen, Carbon Monoxide, Atmospheric Pressure, Differential Pressure, Temperature, Meteorological Data.	Fortnightly	Limit of 100ppm for Carbon Monoxide

Emission Point Reference	Parameter	Frequency of Monitoring Required	Other Specifications:
All landfill gas extraction wells	Methane, Carbon Dioxide, Oxygen, Carbon Monoxide, Atmospheric Pressure, Differential Pressure, Temperature, Meteorological Data.	Fortnightly	Limit of 5% for Oxygen

6:3 Landfill Gas Results and Discussion

As required under the permit, landfill gas monitoring has been undertaken at the borehole locations as set out in Schedule 4. The permit trigger levels for landfill gas are greater than 1.0% v/v for methane and greater than 1.5% v/v for carbon dioxide. Landfill gas has been measured in all perimeter boreholes on a monthly basis. Please note that BH1, BH7A, BH11 and BH12 are inaccessible and unable to be sampled.

Table 6.4 Gas Monitoring January

Monitoring Point Reference	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂	CO	H ₂ S	Balance (%)
BH1	-	-	-	-	-	-
BH2	0	0.4	22	0	0	77.6
BH4	0	1.1	21.2	0	0	77.7
BH5	0	1	20.3	0	0	78.7
BH5A	0	0.4	20.8	0	0	78.6
BH6	0	0.9	19.9	0	0	79.2
BH6A	0	1.2	18	0	0	80.7
BH7A	-	-	-	-	-	-
BH8	0	0.6	21.2	0	0	72.1
BH9	0	0.6	22.1	0	0	77.3
BH10	0	4.7	19.9	0	0	78.4
BH11	-	-	-	-	-	-
BH12	-	-	-	-	-	-
BH13	0	0.4	21.6	0	0	77.9

Table 6.5 Gas Monitoring February

Monitoring Point Reference	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂	CO	H ₂ S	Balance (%)
BH1	-	-	-	-	-	-
BH2	0.1	0.4	21.7	0	0	77.8
BH4	0.1	0.4	21.5	0	0	78
BH5	0.1	1.1	21	0	0	77.9
BH5A	0.4	1.5	20.9	0	0	76.9
BH6	0.1	0.9	21.2	0	0	77.7
BH6A	0.1	0.4	21.4	0	0	78.1
BH7A	-	-	-	-	-	-
BH8	0.1	0.4	22	0	0	77.5
BH9	0.1	0.4	21.9	0	0	77.6
BH10	0.1	1.4	21.7	0	0	76.8
BH11	-	-	-	-	-	-
BH12	-	-	-	-	-	-
BH13	0.1	0.4	21.6	0	0	77.8

Table 6.5 Gas Monitoring March

Monitoring Point Reference	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂	CO	H ₂ S	Balance (%)
BH1	-	-	-	-	-	-
BH2	0.1	0.4	22	0	0	77.5
BH4	0.1	0.5	21.9	0	0	77.6
BH5	0.1	0.5	21.9	0	0	77.6
BH5A	0.1	1.4	19.6	0	0	78.9
BH6	0.1	0.5	22	0	0	77.4

BH6A	0.1	0.4	22.1	0	0	77.4
BH7A	-	-	-	-	-	-
BH8	0.1	0.5	21.7	0	0	77.7
BH9	0.1	0.5	21.7	0	0	77.7
BH10	0.1	3.7	20.1	0	0	76.1
BH11	-	-	-	-	-	-
BH12	-	-	-	-	-	-
BH13	0.1	0.4	21.8	0	0	77.7

Table 6.6 Gas Monitoring April

Monitoring Point Reference	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂	CO	H ₂ S	Balance (%)
BH1	-	-	-	-	-	-
BH2	0	0.4	21.4	0	0	78.3
BH4	0	0.4	21.1	0	0	78.5
BH5	0	0.4	21.1	0	0	78.5
BH5A	0	4.9	20.7	0	0	74.4
BH6	0	0.4	21.1	0	0	78.5
BH6A	0	0.6	20.5	0	0	78.9
BH7A	-	-	-	-	-	-
BH8	0	0.4	21.6	0	0	78
BH9	0	0.5	21.5	0	0	78
BH10	0	3.5	18.3	0	0	78.1
BH11	-	-	-	-	-	-
BH12	-	-	-	-	-	-
BH13	0	0.4	21.2	0	0	78.4

Table 6.7 Gas Monitoring May

Monitoring Point Reference	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂	CO	H ₂ S	Balance (%)
BH1	-	-	-	-	-	-
BH2	0	0.4	20.7	0	0	78.9
BH4	0	0.4	20.4	0	0	79.2
BH5	0	0.4	20.7	0	0	78.9
BH5A	0	0.4	20.5	0	0	79.1
BH6	0	0.4	20.8	0	0	78.7
BH6A	0	0.5	20.8	0	0	78.7
BH7A	-	-	-	-	-	-
BH8	0	0.4	21.1	0	0	78.5
BH9	0	0.4	21	0	0	78.6
BH10	0	0.4	20.9	0	0	78.7
BH11	-	-	-	-	-	-
BH12	-	-	-	-	-	-
BH13	0	0.4	20.5	0	0	79.1

Table 6.8 Gas Monitoring June

Monitoring Point Reference	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂	CO	H ₂ S	Balance (%)
BH1	-	-	-	-	-	-
BH2	0	0.5	21	0	0	78.5
BH4	0.1	0.4	20.7	0	0	78.8
BH5	0	0.4	20.7	0	0	78.8
BH5A	0.1	0.4	20.6	0	0	78.9
BH6	0	0.3	70.8	0	0	78.8
BH6A	0.1	0.4	20.6	0	0	78.9
BH7A	-	-	-	-	-	-
BH8	0	0.3	20.4	0	0	79.2
BH9	0	0.5	20.8	0	0	78.5
BH10	0	0.4	21.1	0	0	78.5
BH11	-	-	-	-	-	-
BH12	-	-	-	-	-	-
BH13	0	0.5	20.5	0	0	79.1

Table 6.9 Gas Monitoring July

Monitoring Point Reference	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂	CO	H ₂ S	Balance (%)
BH1	-	-	-	-	-	-
BH2	0	0.3	20.4	0	0	78.8
BH4	0	0.3	20.4	0	0	78.9
BH5	0	0.4	20.4	0	0	78.9
BH5A	0.1	0.4	20.3	0	0	78.9
BH6	0	0.3	20.5	0	0	79.2
BH6A	0	0.7	20	0	0	79.4
BH7A	-	-	-	-	-	-
BH8	0	0.5	20.5	0	0	79
BH9	0	0.5	20.3	0	0	78.8
BH10	0	0.4	20.2	0	0	78.7
BH11	-	-	-	-	-	-
BH12	-	-	-	-	-	-
BH13	0.1	0.5	20.5	0	0	79

Table 6.10 Gas Monitoring August

Monitoring Point Reference	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂	CO	H ₂ S	Balance (%)
BH1	-	-	-	-	-	-
BH2	0	0.3	21.8	0	0	77.8
BH4	0	0.4	21.7	0	0	77.9
BH5	0	0.4	21.7	0	0	77.9
BH5A	0	0.4	21.7	0	0	77.9
BH6	0	0.3	21.1	0	0	78.5
BH6A	0	0.4	21.1	0	0	78.6
BH7A	-	-	-	-	-	-

BH8	0	0.4	21.8	0	0	77.9
BH9	0	0.4	21.8	0	0	77.8
BH10	0	6.2	15.6	0	0	78.2
BH11	-	-	-	-	-	-
BH12	-	-	-	-	-	-
BH13	0	0.5	21.8	0	0	77.7

Table 6.10 Gas Monitoring September

Monitoring Point Reference	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂	CO	H ₂ S	Balance (%)
BH1	-	-	-	-	-	-
BH2	0	0.2	21.5	0	0	78.3
BH4	0	0.1	21.5	0	0	78.4
BH5	0	0.5	20.8	0	0	78.7
BH5A	0	3.6	17.6	0	0	78.8
BH6	0	0.8	20.9	0	0	78.2
BH6A	0	0.1	21.8	0	0	78.2
BH7A	-	-	-	-	-	-
BH8	0	0.1	21.9	0	0	78
BH9	0	0.1	21.9	0	0	78
BH10	0	0.7	20.8	0	0	78.2
BH11	-	-	-	-	-	-
BH12	-	-	-	-	-	-
BH13	0	0.1	21.5	0	0	78.4

Table 6.11 Gas Monitoring October

Monitoring Point Reference	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂	CO	H ₂ S	Balance (%)
BH1	-	-	-	-	-	-
BH2	0	0.1	21	0	0	78.4
BH4	0.1	0.4	20.9	0	0	78.4
BH5	0.1	0.7	20.9	0	0	78.3
BH5A	0.1	0.9	20.8	0	0	78.3
BH6	0.1	0.7	20.9	0	0	78.3
BH6A	0.1	0.5	21	0	0	78.4
BH7A	-	-	-	-	-	-
BH8	0.1	0.5	21	0	0	78.4
BH9	0.1	0.4	20.9	0	0	78.6
BH10	0.1	0.4	20.9	0	0	78.6
BH11	-	-	-	-	-	-
BH12	-	-	-	-	-	-
BH13	0.1	0.5	21	0	0	78.4

Table 6.12 Gas Monitoring November

Monitoring Point Reference	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂	CO	H ₂ S	Balance (%)
BH1	-	-	-	-	-	-
BH2	0.1	0.7	20.9	0	0	78.1
BH4	0.2	0.6	21	0	0	78.5
BH5	0.2	1.5	20.1	0	0	78.2
BH5A	0.1	0.7	20.8	0	0	77.6
BH6	0.2	1.3	21	0	0	77.6
BH6A	0.2	0.5	21	0	0	78.5
BH7A	-	-	-	-	-	-
BH8	0.2	0.7	21.4	0	0	78.1
BH9	0.2	0.8	20.8	0	0	78.1
BH10	0.5	0.9	21.7	0	0	77.5
BH11	-	-	-	-	-	-
BH12	-	-	-	-	-	-
BH13	0.2	0.7	21.5	0	0	77.6

Table 6.13 Gas Monitoring December

Monitoring Point Reference	CH ₄ (%v/v)	CO ₂ (%v/v)	O ₂	CO	H ₂ S	Balance (%)
BH1	-	-	-	-	-	-
BH2	0.1	0.5	21.7	0	0	77.7
BH4	0.1	0.8	21.7	0	0	77.7
BH5	0.1	0.8	21.7	0	0	77.7
BH5A	0.1	0.5	21.8	0	0	78.1
BH6	0.2	0.7	21.7	0	0	77.5
BH6A	0.1	0.4	21.9	0	0	77.6
BH7A	-	-	-	-	-	-
BH8	0.1	0.7	21.7	0	0	77.7
BH9	0.1	0.8	21.7	0	0	77.5
BH10	0.1	0.9	21.8	0	0	77.6
BH11	-	-	-	-	-	-
BH12	-	-	-	-	-	-
BH13	0.2	0.4	21.9	0	0	77.8

6.3 Landfill Gas Conclusions

Stationary results were present largely throughout the gas monitoring, with some exceedances present within CO₂ values within BH10 and BH5A. The remaining borehole values were within the compliance point values stipulated. The in-waste landfill gas wells are controlled through collection and utilisation via the landfill gas engine and flare. Gas wells are monitored and balanced regularly to achieve optimum gas extraction from each well.

The in-waste landfill gas wells are controlled through the collection via the landfill gas engine and flares. Gas well valves are adjusted and managed by B9.

Small exceedances are reiterated from the above tables of data can be observed, these are with particular reference to CO₂ levels within BH10 and BH5A.

7 Other Conditions

There are no other monitoring requirements for the site. Monitoring of dust, PM₁₀ and asbestos fibers will only be required to be carried out in future should the site re-open for the acceptance of waste.

8 Additional Mandatory Information

"Blue Sky Resource Recovery Ltd. undertook the operational liability of Lisbane Landfill site following Quinn Environmental going into administration. At the time of takeover there were significant issues with the site. Blue Sky Resource Recovery Ltd have worked tirelessly to provide ongoing financial provision to remedy these issues. Ongoing financial provision includes funds associated with the ongoing permanent capping of the site, leachate extraction and disposal, environmental monitoring and landfill gas control. The management of the site is financed on an ongoing basis by the limited revenue generation from energy production from the landfill gas engine.

Blue Sky Resource Recovery Ltd are currently in negotiations with NIEA regarding a suitable financial provision guarantee for the site given the previous investments that the company have made."

██████████ currently holds COTC certification and is progressing to OCC.

No nuisance complaints were received in 2021.

No non-compliances were recorded in 2021

No compliance tests have been undertaken in 2021.

A total of sixteen Schedule 6 notifications were sent to NIEA during the monitoring period

Table 8.1 Performance Parameters

Month	Annual Total	Units
Potable water use	N/A	Cubic metres
Energy used	*	MW
Non potable water used	*	Cubic metres
Total		

*Figures unavailable at time of report, to be forwarded to NIEA when available.

Table 8.2 Annual Production/Treatment

Parameter	Total
Leachate:	
Disposed of off-site;	N/A
Disposed of to any onsite effluent treatment plant;	8,652m ³
Recirculated into the waste mass	N/A
Surface water and/or groundwater:	
Disposed of off-site;	N/A
Disposed of to any onsite effluent treatment plant	N/A
Landfill Gas:	
Combustion in flares;	N/A
Combustion in gas engines;	*
Other methods of gas utilisation	N/A

*Figure unavailable at time of report, to be forwarded to NIEA when available.

9 Conclusions and Recommendations

Leachate data has remained relatively stationary and within the compliance point throughout the year. Similarly, groundwater has remained at a reasonably consistent level, with a small variance in values representative of seasonal change. Ammoniacal Nitrogen levels present an exceedance within BH2, BH6, BH9 and BH13: However, this can be attributed to ex situ conditions affecting the site. This point is reiterated by the dissimilar values collated from boreholes within close proximity, which creates inference to a hydraulic link between boreholes which share these larger values.

Suspended soils within surface water data temporarily exceeded the compliance level stipulated, however, this was only by a marginal level. Exceedance levels present within SW3 were not a response of the site due to the positioning of this monitoring point being in an upstream position.

Gas monitoring values predominantly remained within compliance throughout the year, with a small exceedance being present in CO₂ values within BH10 and BH5A.

10 Next Monitoring Report

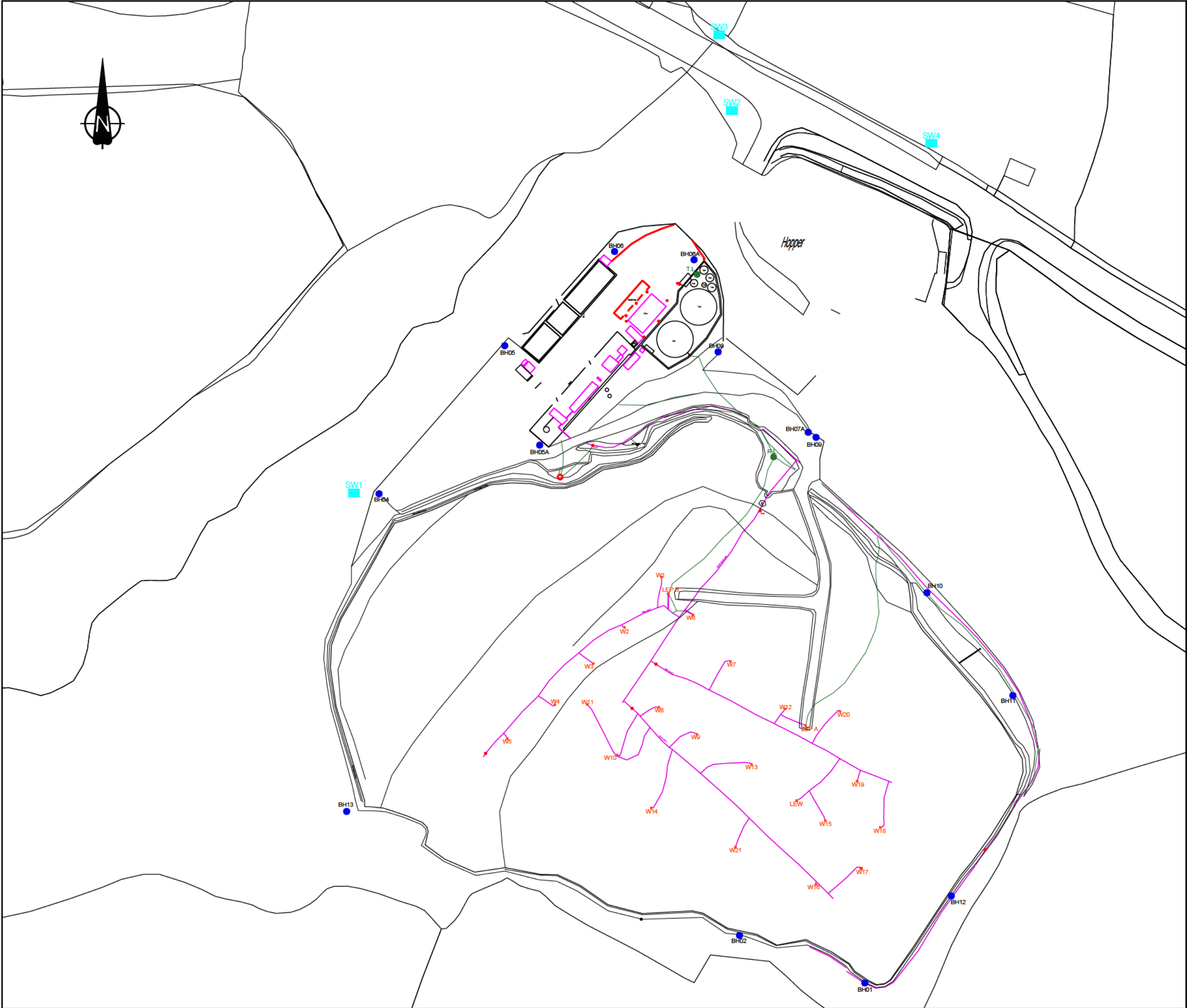
The next monitoring period will cover the period from January 2022 to December 2022. The next annual environmental report is due for submission by the 31st of January 2023.

11 References

N/A

Appendix A

Drawings



KEY:

- Groundwater and Gas Monitoring Point
- Leachate Monitoring Point
- Surface Water Monitoring Point
- In-waste Gas Monitoring Point

Rev.No.	AMENDMENT DETAILS	BY	DATE
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CLIENT
QEL

DRAWING
Monitoring Locations

CONTRACT
Lisbane Landfill Site

SHEET SIZE	DATE	SCALE	DRAWN	CHECKED
A3	27.04.15	1:1250		

DRG No.	Rev.
15047-003	—

Laganwood House
Newforge Lane
Malone Road
Belfast BT9 5NX
Tel 028 9066 2121
Fax 028 9066 3162
email mail@wdr-rt-taggart.com

WDR & RT TAGGART



Architects
Civil Engineers
Structural Engineers
Environmental Engineers

Landscape Architects
Town Planning Consultants
Planning Supervisors
Project Managers

Appendix B

Laboratory Certificates



Test Certificate

Certificate: ECTC020582

Issue No: 1

WDR & RT Taggart
Laganwood House
Newforge Lane
Malone Road
Belfast
Co Antrim
BT9 5NX

McQuillan Envirocare Ltd t/a McQuillan Environmental
Caulside Drive, New Park Industrial Estate
Antrim, BT41 2DU

Tel: (028) 9446 6708

Fax: (028) 9442 9580

www.mcquillancompanies.com
samplebooking@mcqcos.com

MCQ Job No	ORD-22059	Sample Receipt Date	20/01/2021
MCQ Quote Number	ECA-02563	Date Analysis Started	20/01/2021
Purchase Order Number	Lisbane Monthly	Completion Date	27/01/2021
No of Samples	14	Turnaround Time	10

Dear [REDACTED],

Analysis of your sample(s) is now complete and we have pleasure in enclosing the appropriate test report.

All analysis was completed within McQuillan Environmental Analytical Laboratory (MCQ) unless otherwise specified. Results relate only to the items tested. Any analysis that was subcontracted to an approved laboratory is indicated by 'S'. Please refer to the table at the end of your test certificate for explanations of sample deviations.

Where sample data is provided by the customer, the results relate to the sample supplied and on the basis that this data is correct. Incorrect sampling dates and/or sample information will affect the validity of results. This Test Certificate supersedes any version previously issued by the laboratory. The report shall not be reproduced except in full without approval of the laboratory.

Should you have any queries regarding this report(s) or any part of our service, please contact Sample Booking on 028 9448 3195 who will be happy to discuss your requirements.

Thank you for using our Laboratory and we look forward to receiving your next samples.

Yours Sincerely

Report Authorised by: [REDACTED]

Position: Lab Administrator

Date Issued: 27/1/2021

Addendum To Report:





Test Certificate

Certificate: ECTC020582

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ078664	BH2	19/01/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	17.4	mg/l	Y	MCQ	
			SAM009	COD (Total)	78	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	611	uS/cm	Y	MCQ	
			SAM004	pH	7.61	Units	Y	MCQ	
Time Sampled: 12:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ078665	BH4	19/01/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	16.4	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,060	uS/cm	Y	MCQ	
			SAM004	pH	6.80	Units	Y	MCQ	
Time Sampled: 11:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ078666	BH5	19/01/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	50.7	mg/l	Y	MCQ	
			SAM009	COD (Total)	39	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	803	uS/cm	Y	MCQ	
			SAM004	pH	7.09	Units	Y	MCQ	
Time Sampled: 10:40	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ078667	BH6	19/01/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	21.5	mg/l	Y	MCQ	
			SAM009	COD (Total)	101	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	790	uS/cm	Y	MCQ	
			SAM004	pH	7.18	Units	Y	MCQ	
Time Sampled: 10:20	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ078668	BH6A	19/01/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	29.1	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	942	uS/cm	Y	MCQ	
			SAM004	pH	7.14	Units	Y	MCQ	
Time Sampled: 10:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ078669	BH8	19/01/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	14.0	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	904	uS/cm	Y	MCQ	
			SAM004	pH	7.23	Units	Y	MCQ	



Test Certificate

Certificate: ECTC020582

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
Time Sampled: 11:30	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ078670	BH9	19/01/2021	SAM031	Ammonia as N	0.69	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	59.5	mg/l	Y	MCQ	
			SAM009	COD (Total)	79	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,490	uS/cm	Y	MCQ	
			SAM004	pH	6.78	Units	Y	MCQ	
Time Sampled: 11:40	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ078671	BH13	19/01/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	27.5	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	719	uS/cm	Y	MCQ	
			SAM004	pH	7.62	Units	Y	MCQ	
Time Sampled: 11:10	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ078672	TL	19/01/2021	SAM031	Ammonia as N	862	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	54.7	mg/l	Y	MCQ	@
			SAM031	Chloride as Cl	1,210	mg/l	Y	MCQ	
			SAM009	COD (Total)	1,370	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	12,300	uS/cm	Y	MCQ	
			SAM004	pH	7.54	Units	Y	MCQ	
			SAM001	Suspended Solids	21	mg/l	Y	MCQ	
Time Sampled: 12:50	Sample Matrix:	Landfill Leachate	Analysyt Comment:						
MCQ078673	RL	19/01/2021	SAM031	Ammonia as N	900	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	68.5	mg/l	Y	MCQ	#@
			SAM031	Chloride as Cl	1,290	mg/l	Y	MCQ	
			SAM009	COD (Total)	1,540	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	13,300	uS/cm	Y	MCQ	
			SAM004	pH	7.44	Units	Y	MCQ	
MCQ078674	SW1	19/01/2021	SAM031	Ammonia as N	0.15	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	3.98	mg/l	Y	MCQ	@
			SAM031	Chloride as Cl	14.2	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	195	uS/cm	Y	MCQ	
			SAM004	pH	7.34	Units	Y	MCQ	
			SAM001	Suspended Solids	77	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	



Test Certificate

Certificate: ECTC020582

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
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Time Sampled: 13:30 Sample Matrix: Surface Water Analyst Comment:

MCQ078675	SW2	19/01/2021	SAM031	Ammonia as N	0.24	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	4.10	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	14.3	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	209	uS/cm	Y	MCQ	
			SAM004	pH	7.30	Units	Y	MCQ	
			SAM001	Suspended Solids	96	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 13:40 Sample Matrix: Surface Water Analyst Comment:

MCQ078676	SW3	19/01/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	2.59	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	25.5	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	240	uS/cm	Y	MCQ	
			SAM004	pH	6.88	Units	Y	MCQ	
			SAM001	Suspended Solids	65	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 14:00 Sample Matrix: Surface Water Analyst Comment:

MCQ078677	SW4	19/01/2021	SAM031	Ammonia as N	0.15	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	3.65	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	18.4	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	218	uS/cm	Y	MCQ	
			SAM004	pH	7.22	Units	Y	MCQ	
			SAM001	Suspended Solids	100	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 14:20 Sample Matrix: Surface Water Analyst Comment:

Sample Deviations Legend - Results may be compromised if the following deviations apply			
Comment	C	Incorrect Container	‡
Container with Headspace provided	8	Insufficient sample volume	È
BOD Overdiluted, therefore result indicative only	\$	BOD Underdiluted, therefore result indicative only	#
High Chloride concentration, COD could not be determined	§	Holding time exceeded due to sampled on date/time	@
Holding time exceeded in Lab	±	Holding time exceeded due to delayed instructions	&
Sample integrity Jeopardized in receipt	Ø		



Test Certificate

Certificate: ECTC020760

Issue No: 1

WDR & RT Taggart
Laganwood House
Newforge Lane
Malone Road
Belfast
Co Antrim
BT9 5NX

McQuillan Envirocare Ltd t/a McQuillan Environmental
Caulside Drive, New Park Industrial Estate
Antrim, BT41 2DU

Tel: (028) 9446 6708

Fax: (028) 9442 9580

www.mcquillancompanies.com
samplebooking@mcqcos.com

MCQ Job No	ORD-22237	Sample Receipt Date	17/02/2021
MCQ Quote Number	ECA-02563	Date Analysis Started	17/02/2021
Purchase Order Number	Lisbane Monthly	Completion Date	26/02/2021
No of Samples	14	Turnaround Time	10

Dear [REDACTED]

Analysis of your sample(s) is now complete and we have pleasure in enclosing the appropriate test report.

All analysis was completed within McQuillan Environmental Analytical Laboratory (MCQ) unless otherwise specified. Results relate only to the items tested. Any analysis that was subcontracted to an approved laboratory is indicated by 'S'. Please refer to the table at the end of your test certificate for explanations of sample deviations.

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Thank you for using our Laboratory and we look forward to receiving your next samples.

Yours Sincerely

[REDACTED]

Report Authorised by: [REDACTED]

Position: Lab Administrator

Date Issued: 26/2/2021

Addendum To Report:





Test Certificate

Certificate: ECTC020760

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ079343	BH2	16/02/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	24.0	mg/l	Y	MCQ	
			SAM009	COD (Total)	95	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	587	uS/cm	Y	MCQ	
			SAM004	pH	7.62	Units	Y	MCQ	
Time Sampled: 12:20	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ079344	BH4	16/02/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	15.7	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,060	uS/cm	Y	MCQ	
			SAM004	pH	6.84	Units	Y	MCQ	
Time Sampled: 11:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ079345	BH5	16/02/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	29.9	mg/l	Y	MCQ	
			SAM009	COD (Total)	27	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	613	uS/cm	Y	MCQ	
			SAM004	pH	7.20	Units	Y	MCQ	
Time Sampled: 10:40	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ079346	BH6	16/02/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	21.0	mg/l	Y	MCQ	
			SAM009	COD (Total)	78	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	631	uS/cm	Y	MCQ	
			SAM004	pH	7.29	Units	Y	MCQ	
Time Sampled: 10:15	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ079347	BH6A	16/02/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	28.8	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	953	uS/cm	Y	MCQ	
			SAM004	pH	6.94	Units	Y	MCQ	
Time Sampled: 10:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ079348	BH8	16/02/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	13.1	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	805	uS/cm	Y	MCQ	
			SAM004	pH	7.30	Units	Y	MCQ	



Test Certificate

Certificate: ECTC020760

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
Time Sampled: 11:30	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ079349	BH9	16/02/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	52.9	mg/l	Y	MCQ	
			SAM009	COD (Total)	81	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,500	uS/cm	Y	MCQ	
			SAM004	pH	6.84	Units	Y	MCQ	
Time Sampled: 11:50	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ079350	BH13	16/02/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	29.2	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	717	uS/cm	Y	MCQ	
			SAM004	pH	7.62	Units	Y	MCQ	
Time Sampled: 11:20	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ079351	TL	16/02/2021	SAM031	Ammonia as N	757	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	47.1	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,170	mg/l	Y	MCQ	
			SAM009	COD (Total)	1,530	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	12,500	uS/cm	Y	MCQ	
			SAM004	pH	7.64	Units	Y	MCQ	
			SAM001	Suspended Solids	48	mg/l	Y	MCQ	
Time Sampled: 13:00	Sample Matrix:	Landfill Leachate	Analsyt Comment:						
MCQ079352	RL	16/02/2021	SAM031	Ammonia as N	952	mg/l	Y	MCQ	\$@
			SAM016	BOD (ATU)	83.7	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,230	mg/l	Y	MCQ	
			SAM009	COD (Total)	1,560	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	13,600	uS/cm	Y	MCQ	
			SAM004	pH	7.53	Units	Y	MCQ	
			SAM001	Suspended Solids	16	mg/l	Y	MCQ	
Time Sampled: 12:40	Sample Matrix:	Landfill Leachate	Analsyt Comment:						
MCQ079353	SW1	16/02/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	18.7	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	549	uS/cm	Y	MCQ	
			SAM004	pH	7.61	Units	Y	MCQ	
			SAM001	Suspended Solids	10	mg/l	Y	MCQ	
			MCO- VOG	Visible Oil and Grease	<1	%	N	MCO	



Test Certificate

Certificate: ECTC020760

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
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Time Sampled: 13:20
Sample Matrix: Surface Water Analyst Comment:

MCQ079354	SW2	16/02/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	1.01	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	20.0	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	559	uS/cm	Y	MCQ	
			SAM004	pH	7.68	Units	Y	MCQ	
			SAM001	Suspended Solids	<3	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 13:30
Sample Matrix: Surface Water Analyst Comment:

MCQ079355	SW3	16/02/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	42.2	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	434	uS/cm	Y	MCQ	
			SAM004	pH	7.25	Units	Y	MCQ	
			SAM001	Suspended Solids	24	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 13:50
Sample Matrix: Surface Water Analyst Comment:

MCQ079356	SW4	16/02/2021	SAM031	Ammonia as N	0.19	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	1.16	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	27.3	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	524	uS/cm	Y	MCQ	
			SAM004	pH	7.60	Units	Y	MCQ	
			SAM001	Suspended Solids	3	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 14:00
Sample Matrix: Surface Water Analyst Comment:

Sample Deviations Legend - Results may be compromised if the following deviations apply			
Comment	C	Incorrect Container	‡
Container with Headspace provided	8	Insufficient sample volume	È
BOD Overdiluted, therefore result indicative only	\$	BOD Underdiluted, therefore result indicative only	#
High Chloride concentration, COD could not be determined	§	Holding time exceeded due to sampled on date/time	@
Holding time exceeded in Lab	±	Holding time exceeded due to delayed instructions	&
Sample integrity Jeopardized in receipt	Ø		



Test Certificate

Certificate: ECTC020889

Issue No: 1

WDR & RT Taggart
Laganwood House
Newforge Lane
Malone Road
Belfast
Co Antrim
BT9 5NX

McQuillan Envirocare Ltd t/a McQuillan Environmental
Caulside Drive, New Park Industrial Estate
Antrim, BT41 2DU

Tel: (028) 9446 6708

Fax: (028) 9442 9580

www.mcquillancompanies.com
samplebooking@mcqcos.com

MCQ Job No	ORD-22368	Sample Receipt Date	05/03/2021
MCQ Quote Number	ECA-02563	Date Analysis Started	05/03/2021
Purchase Order Number	Lisbane Quarterly	Completion Date	19/03/2021
No of Samples	14	Turnaround Time	10

Dear [REDACTED]

Analysis of your sample(s) is now complete and we have pleasure in enclosing the appropriate test report.

All analysis was completed within McQuillan Environmental Analytical Laboratory (MCQ) unless otherwise specified. Results relate only to the items tested. Any analysis that was subcontracted to an approved laboratory is indicated by 'S'. Please refer to the table at the end of your test certificate for explanations of sample deviations.

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Should you have any queries regarding this report(s) or any part of our service, please contact Sample Booking on 028 9448 3195 who will be happy to discuss your requirements.

Thank you for using our Laboratory and we look forward to receiving your next samples.

Yours Sincerely

[REDACTED]

Report Authorised by: [REDACTED]

Position: Lab Administrator

Date Issued: 19/3/2021

Addendum To Report:





Test Certificate

Certificate: ECTC020889

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ079948	BH2	04/03/2021	SAM031	Alkalinity, Total	90.0	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			N/A	Arsenic (tot.unfilt)	8.67	ug/l	Y	S	
			SAM016	BOD (ATU)	2.08	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	44.20	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	23.4	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	4.43	ug/l	Y	S	
			SAM009	COD (Total)	76	mg/l	Y	MCQ	@
			SAM005	Electrical Conductivity	482	uS/cm	Y	MCQ	@
			N/A	Iron (tot.unfilt)	3.7	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	4.91	ug/l	Y	S	
			SAM038TM	Magnesium Tot	18.70	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	88.6	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	0.025	ug/l	Y	S	
			N/A	Naphthalene	<1	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	9.98	ug/l	Y	S	
			SAM004	pH	7.95	Units	Y	MCQ	@
			SAM038TM	Potassium Tot	4.16	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	16.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	107.00	mg/l	Y	MCQ	
			SAM034	TOC	7.81	mg/l	Y	MCQ	
			SAM031	TON as N	3.69	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	33	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 12:30
Sample Matrix: Ground Water
Analysyt Comment:

MCQ079949	BH4	04/03/2021	SAM031	Alkalinity, Total	396	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	149.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	13.5	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	4.91	ug/l	Y	S	
			SAM009	COD (Total)	36	mg/l	Y	MCQ	@
			SAM005	Electrical Conductivity	1,050	uS/cm	Y	MCQ	@
			N/A	Iron (tot.unfilt)	4.02	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	42.40	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	85.7	ug/l	Y	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ079949	BH4	04/03/2021	N/A	Mecoprop	0.05	ug/l	Y	S	@
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<1	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	7.35	ug/l	Y	S	
			SAM004	pH	6.78	Units	Y	MCQ	
			SAM038TM	Potassium Tot	5.48	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	14.70	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	191.00	mg/l	Y	MCQ	
			SAM034	TOC	< 1	mg/l	Y	MCQ	
			SAM031	TON as N	< 0.08	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	9.27	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	
Time Sampled: 11:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ079950	BH5	04/03/2021	SAM031	Alkalinity, Total	148	mg/l	Y	MCQ	@
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	85.80	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	20.8	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	692	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	1.4	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	1.51	ug/l	Y	S	
			SAM038TM	Magnesium Tot	21.90	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	111	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<1	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	6.06	ug/l	Y	S	
			SAM004	pH	7.23	Units	Y	MCQ	
			SAM038TM	Potassium Tot	6.07	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	20.60	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	179.00	mg/l	Y	MCQ	
			SAM034	TOC	6.27	mg/l	Y	MCQ	
			SAM031	TON as N	1.71	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	14.7	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ079950	BH5	04/03/2021	N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 10:40
Sample Matrix: Ground Water
Analysyt Comment:

MCQ079951	BH6	04/03/2021	SAM031	Alkalinity, Total	162	mg/l	Y	MCQ	
			SAM031	Ammonia as N	0.99	mg/l	Y	MCQ	@
			N/A	Arsenic (tot.unfilt)	43.3	ug/l	Y	S	
			SAM016	BOD (ATU)	218	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<3	ug/l	Y	S	
			SAM038TM	Calcium Tot	157.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	21.5	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	253	ug/l	Y	S	
			SAM009	COD (Total)	4,190	mg/l	Y	MCQ	@
			SAM005	Electrical Conductivity	770	uS/cm	Y	MCQ	@
			N/A	Iron (tot.unfilt)	186	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	144	ug/l	Y	S	
			SAM038TM	Magnesium Tot	120.00	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	4,540	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<1	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	425	ug/l	Y	S	
			SAM004	pH	7.33	Units	Y	MCQ	@
			SAM038TM	Potassium Tot	21.00	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	15.90	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	205.00	mg/l	Y	MCQ	
			SAM034	TOC	322	mg/l	Y	MCQ	
			SAM031	TON as N	0.61	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	796	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 10:30
Sample Matrix: Ground Water
Analysyt Comment:

MCQ079952	BH6A	04/03/2021	SAM031	Alkalinity, Total	217	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	109.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	30.6	mg/l	Y	MCQ	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ079952	BH6A	04/03/2021	N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	@
			SAM005	Electrical Conductivity	929	uS/cm	Y	MCQ	@
			N/A	Iron (tot.unfilt)	1.81	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	1.48	ug/l	Y	S	
			SAM038TM	Magnesium Tot	28.80	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	218	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<1	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	8.37	ug/l	Y	S	
			SAM004	pH	7.02	Units	Y	MCQ	@
			SAM038TM	Potassium Tot	5.90	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	35.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	228.00	mg/l	Y	MCQ	
			SAM034	TOC	4.71	mg/l	Y	MCQ	
			SAM031	TON as N	4.24	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	11.3	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	
Time Sampled: 10:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ079953	BH8	04/03/2021	SAM031	Alkalinity, Total	177	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	96.50	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	14.8	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	@
			SAM005	Electrical Conductivity	765	uS/cm	Y	MCQ	@
			N/A	Iron (tot.unfilt)	0.39	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	32.60	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	760	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<1	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	5.03	ug/l	Y	S	
			SAM004	pH	7.31	Units	Y	MCQ	@
			SAM038TM	Potassium Tot	1.64	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	14.80	mg/l	Y	MCQ	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ079953	BH8	04/03/2021	SAM031	Sulphate as SO4	212.00	mg/l	Y	MCQ	
			SAM034	TOC	< 1	mg/l	Y	MCQ	
			SAM031	TON as N	< 0.08	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	16.1	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 11:50
Sample Matrix: Ground Water **Analysyt Comment:**

MCQ079954	BH9	04/03/2021	SAM031	Alkalinity, Total	297	mg/l	Y	MCQ	
			SAM031	Ammonia as N	1.02	mg/l	Y	MCQ	@
			N/A	Arsenic (tot.unfilt)	2.33	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	173.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	67.2	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	5.12	ug/l	Y	S	
			SAM009	COD (Total)	78	mg/l	Y	MCQ	@
			SAM005	Electrical Conductivity	1,470	uS/cm	Y	MCQ	@
			N/A	Iron (tot.unfilt)	4.54	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	1.87	ug/l	Y	S	
			SAM038TM	Magnesium Tot	53.20	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	497	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<1	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	15	ug/l	Y	S	
			SAM004	pH	6.88	Units	Y	MCQ	@
			SAM038TM	Potassium Tot	10.70	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	42.60	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	441.00	mg/l	Y	MCQ	
			SAM034	TOC	17.1	mg/l	Y	MCQ	
			SAM031	TON as N	1.64	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	7.44	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 12:00
Sample Matrix: Ground Water **Analysyt Comment:**



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ079955	BH13	04/03/2021	SAM031	Alkalinity, Total	183	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			N/A	Arsenic (tot.unfilt)	5.61	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	67.90	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	25.4	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	@
			SAM005	Electrical Conductivity	703	uS/cm	Y	MCQ	@
			N/A	Iron (tot.unfilt)	0.599	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	36.90	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	178	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<1	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	1.45	ug/l	Y	S	
			SAM004	pH	7.53	Units	Y	MCQ	@
			SAM038TM	Potassium Tot	1.26	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	18.40	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	154.00	mg/l	Y	MCQ	
			SAM034	TOC	< 1	mg/l	Y	MCQ	
			SAM031	TON as N	0.28	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	5.51	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 11:20
Sample Matrix: Ground Water **Analysyt Comment:**

MCQ079956	TL	04/03/2021	SAM031	Alkalinity, Total	4,760	mg/l	Y	MCQ	
			SAM031	Ammonia as N	879	mg/l	Y	MCQ	@
			N/A	Arsenic (tot.unfilt)	26.5	ug/l	Y	S	
			SAM016	BOD (ATU)	48.3	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	124.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,180	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	159	ug/l	Y	S	
			SAM009	COD (Total)	1,350	mg/l	Y	MCQ	@
			SAM005	Electrical Conductivity	12,300	uS/cm	Y	MCQ	@
			N/A	Iron (tot.unfilt)	6.55	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	2.45	ug/l	Y	S	
			SAM038TM	Magnesium Tot	61.90	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	792	ug/l	Y	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ079956	TL	04/03/2021	N/A	Mecoprop	24	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.2	ug/l	Y	S	
			N/A	Naphthalene	3.37	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	106	ug/l	Y	S	
			SAM004	pH	7.71	Units	Y	MCQ	@
			SAM038TM	Potassium Tot	419.00	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	1,070.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	80.10	mg/l	Y	MCQ	
			SAM001	Suspended Solids	22	mg/l	Y	MCQ	
			SAM034	TOC	444	mg/l	Y	MCQ	
			SAM031	TON as N	1.32	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	73.1	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	0.01	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	0.03	mg/l	N	S	
			N/A	Xylenols	0.02	mg/l	Y	S	
Time Sampled: 14:30	Sample Matrix:	Landfill Leachate	Analysyt Comment:						
MCQ079957	RL	04/03/2021	SAM031	Alkalinity, Total	4,730	mg/l	Y	MCQ	
			SAM031	Ammonia as N	885	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	24.9	ug/l	Y	S	
			SAM016	BOD (ATU)	47.9	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	123.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,120	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	160	ug/l	Y	S	@
			SAM009	COD (Total)	1,360	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	11,000	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	6.42	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	1.94	ug/l	Y	S	
			SAM038TM	Magnesium Tot	59.90	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	822	ug/l	Y	S	
			N/A	Mecoprop	22.6	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.2	ug/l	Y	S	
			N/A	Naphthalene	4.05	ug/l	Y	S	@
			N/A	Nickel (tot.unfilt)	104	ug/l	Y	S	
			SAM004	pH	7.55	Units	Y	MCQ	
			SAM038TM	Potassium Tot	450.00	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	1,040.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	67.80	mg/l	Y	MCQ	
			SAM001	Suspended Solids	12	mg/l	Y	MCQ	@
			SAM034	TOC	412	mg/l	Y	MCQ	
			SAM031	TON as N	0.08	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	60.6	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ079957	RL	04/03/2021	N/A	2-Isopropylphenol	0.01	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	0.03	mg/l	N	S	
			N/A	Xylenols	0.02	mg/l	Y	S	

Time Sampled: 14:40 Sample Matrix: Landfill Leachate Analyst Comment:

MCQ079958	SW1	04/03/2021	SAM031	Alkalinity, Total	142	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	104.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	19.8	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			N/A	Copper (tot.unfilt)	3.32	ug/l	Y	S	
			MCQ- DO	Dissolved Oxygen	9.43	mg/l	N	MCQ	
			SAM005	Electrical Conductivity	879	uS/cm	Y	MCQ	@
			N/A	Iron (tot.unfilt)	0.0859	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	42.70	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	11.7	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Naphthalene	<1	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	5.55	ug/l	Y	S	
			SAM004	pH	7.61	Units	Y	MCQ	@
			SAM038TM	Potassium Tot	4.80	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	17.80	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	300.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	<3	mg/l	Y	MCQ	@
			SAM034	TOC	4.13	mg/l	Y	MCQ	
			SAM031	TON as N	1.36	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
			N/A	Zinc (tot.unfilt)	5.14	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S	
			N/A	Cresols	<0.006	mg/l	N	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	N	S	

Time Sampled: 13:00 Sample Matrix: Surface Water Analyst Comment:

MCQ079959	SW2	04/03/2021	SAM031	Alkalinity, Total	147	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	@



Test Certificate

Certificate: ECTC020889

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations	
MCQ079959	SW2	04/03/2021	N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S		
			SAM038TM	Calcium Tot	106.00	mg/l	Y	MCQ		
			SAM031	Chloride as Cl	20.7	mg/l	Y	MCQ		
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S		
			SAM009	COD (Total)	<25	mg/l	Y	MCQ		
			N/A	Copper (tot.unfilt)	3.22	ug/l	Y	S		
			MCQ- DO	Dissolved Oxygen	10.43	mg/l	N	MCQ		
			SAM005	Electrical Conductivity	887	uS/cm	Y	MCQ		@
			N/A	Iron (tot.unfilt)	0.222	mg/l	Y	S		
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S		
			SAM038TM	Magnesium Tot	43.70	mg/l	Y	MCQ		
			N/A	Manganese (tot.unfilt)	193	ug/l	Y	S		
			N/A	Mecoprop	<0.04	ug/l	Y	S		
			N/A	Naphthalene	<1	ug/l	Y	S		
			N/A	Nickel (tot.unfilt)	5.99	ug/l	Y	S		
			SAM004	pH	7.70	Units	Y	MCQ		@
			SAM038TM	Potassium Tot	5.01	mg/l	Y	MCQ		
			SAM038TM	Sodium Tot	19.10	mg/l	Y	MCQ		
			SAM031	Sulphate as SO4	310.00	mg/l	Y	MCQ		
			SAM001	Suspended Solids	4	mg/l	Y	MCQ		@
			SAM034	TOC	3.79	mg/l	Y	MCQ		
			SAM031	TON as N	1.45	mg/l	Y	MCQ		
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ		
			N/A	Zinc (tot.unfilt)	5.1	ug/l	Y	S		
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S		
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S		
			N/A	Cresols	<0.006	mg/l	N	S		
			N/A	Phenols Total of 5 Speciated (W) by HPLC						
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S		
			N/A	Xylenols	<0.008	mg/l	N	S		
Time Sampled: 13:20	Sample Matrix:	Surface Water	Analsyt Comment:							
MCQ079960	SW3	04/03/2021	SAM031	Alkalinity, Total	126	mg/l	Y	MCQ		
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ		@
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ		@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S		
			SAM038TM	Calcium Tot	41.40	mg/l	Y	MCQ		
			SAM031	Chloride as Cl	35.8	mg/l	Y	MCQ		
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S		
			SAM009	COD (Total)	29	mg/l	Y	MCQ		
			N/A	Copper (tot.unfilt)	6.59	ug/l	Y	S		
			MCQ- DO	Dissolved Oxygen	10	mg/l	N	MCQ		
			SAM005	Electrical Conductivity	429	uS/cm	Y	MCQ		@
			N/A	Iron (tot.unfilt)	2.18	mg/l	Y	S		
			N/A	Lead (tot.unfilt)	2.33	ug/l	Y	S		
			SAM038TM	Magnesium Tot	13.20	mg/l	Y	MCQ		
			N/A	Manganese (tot.unfilt)	159	ug/l	Y	S		



Test Certificate

Certificate: ECTC020889

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ079960	SW3	04/03/2021	N/A	Mecoprop	<0.04	ug/l	Y	S	@
			N/A	Naphthalene	<1	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	6.41	ug/l	Y	S	
			SAM004	pH	7.38	Units	Y	MCQ	
			SAM038TM	Potassium Tot	2.51	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	20.10	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	32.20	mg/l	Y	MCQ	
			SAM001	Suspended Solids	42	mg/l	Y	MCQ	
			SAM034	TOC	2.55	mg/l	Y	MCQ	
			SAM031	TON as N	1.98	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
			N/A	Zinc (tot.unfilt)	24.4	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S	
			N/A	Cresols	<0.006	mg/l	N	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	N	S	
Time Sampled: 13:50	Sample Matrix:	Surface Water	Analysyt Comment:						
MCQ079961	SW4	04/03/2021	SAM031	Alkalinity, Total	136	mg/l	Y	MCQ	@
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	78.50	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	27.6	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			N/A	Copper (tot.unfilt)	3.53	ug/l	Y	S	
			MCQ- DO	Dissolved Oxygen	10.51	mg/l	N	MCQ	
			SAM005	Electrical Conductivity	717	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.399	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	30.90	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	115	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Naphthalene	<1	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	4.95	ug/l	Y	S	
			SAM004	pH	7.68	Units	Y	MCQ	
			SAM038TM	Potassium Tot	3.83	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	19.90	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	189.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	13	mg/l	Y	MCQ	
			SAM034	TOC	3.68	mg/l	Y	MCQ	
			SAM031	TON as N	1.81	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
			N/A	Zinc (tot.unfilt)	9.23	ug/l	Y	S	



Test Certificate

Certificate: ECTC020889

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ079961	SW4	04/03/2021	N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S	
			N/A	Cresols	<0.006	mg/l	N	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	N	S	

Time Sampled: 14:10 Sample Matrix: Surface Water Analyst Comment:

Sample Deviations Legend - Results may be compromised if the following deviations apply			
Comment	C	Incorrect Container	‡
Container with Headspace provided	8	Insufficient sample volume	È
BOD Overdiluted, therefore result indicative only	\$	BOD Underdiluted, therefore result indicative only	#
High Chloride concentration, COD could not be determined	§	Holding time exceeded due to sampled on date/time	@
Holding time exceeded in Lab	±	Holding time exceeded due to delayed instructions	&
Sample integrity Jeopardized in receipt	Ø		



Test Certificate

Certificate: ECTC021224

Issue No: 1

WDR & RT Taggart
Laganwood House
Newforge Lane
Malone Road
Belfast
Co Antrim
BT9 5NX

McQuillan Envirocare Ltd t/a McQuillan Environmental
Caulside Drive, New Park Industrial Estate
Antrim, BT41 2DU

Tel: (028) 9446 6708

Fax: (028) 9442 9580

www.mcquillancompanies.com
samplebooking@mcqcos.com

MCQ Job No	ORD-22696	Sample Receipt Date	29/04/2021
MCQ Quote Number	ECA-02563	Date Analysis Started	29/04/2021
Purchase Order Number	Lisbane Monthly	Completion Date	11/05/2021
No of Samples	13	Turnaround Time	10

Dear [REDACTED]

Analysis of your sample(s) is now complete and we have pleasure in enclosing the appropriate test report.

All analysis was completed within McQuillan Environmental Analytical Laboratory (MCQ) unless otherwise specified. Results relate only to the items tested. Any analysis that was subcontracted to an approved laboratory is indicated by 'S'. Please refer to the table at the end of your test certificate for explanations of sample deviations.

Where sample data is provided by the customer, the results relate to the sample supplied and on the basis that this data is correct. Incorrect sampling dates and/or sample information will affect the validity of results. This Test Certificate supersedes any version previously issued by the laboratory. The report shall not be reproduced except in full without approval of the laboratory.

Should you have any queries regarding this report(s) or any part of our service, please contact Sample Booking on 028 9448 3195 who will be happy to discuss your requirements.

Thank you for using our Laboratory and we look forward to receiving your next samples.

Yours Sincerely

[REDACTED]

Report Authorised by: [REDACTED]

Position: Lab Administrator

Date Issued: 11/5/2021

Addendum To Report:





Test Certificate

Certificate: ECTC021224

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ081335	BH2	28/04/2021	SAM031	Ammonia as N	2.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	28.3	mg/l	Y	MCQ	
			SAM009	COD (Total)	140	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	723	uS/cm	Y	MCQ	
			SAM004	pH	7.48	Units	Y	MCQ	
Time Sampled: 12:30	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ081336	BH4	28/04/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	13.7	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,050	uS/cm	Y	MCQ	
			SAM004	pH	6.91	Units	Y	MCQ	
Time Sampled: 11:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ081337	BH5	28/04/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	32.6	mg/l	Y	MCQ	
			SAM009	COD (Total)	29	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	826	uS/cm	Y	MCQ	
			SAM004	pH	7.13	Units	Y	MCQ	
Time Sampled: 10:40	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ081338	BH6	28/04/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	20.3	mg/l	Y	MCQ	
			SAM009	COD (Total)	128	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	769	uS/cm	Y	MCQ	
			SAM004	pH	7.20	Units	Y	MCQ	
Time Sampled: 10:20	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ081339	BH6A	28/04/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	31.7	mg/l	Y	MCQ	
			SAM009	COD (Total)	38	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	902	uS/cm	Y	MCQ	
			SAM004	pH	6.94	Units	Y	MCQ	
Time Sampled: 10:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ081340	BH8	28/04/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	19.4	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	906	uS/cm	Y	MCQ	
			SAM004	pH	7.17	Units	Y	MCQ	



Test Certificate

Certificate: ECTC021224

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
Time Sampled: 11:30	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ081341	BH9	28/04/2021	SAM031	Ammonia as N	1.44	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	91.0	mg/l	Y	MCQ	
			SAM009	COD (Total)	116	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,510	uS/cm	Y	MCQ	
			SAM004	pH	6.85	Units	Y	MCQ	
Time Sampled: 11:50	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ081342	BH13	28/04/2021	SAM031	Ammonia as N	2.15	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	25.7	mg/l	Y	MCQ	
			SAM009	COD (Total)	50	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	720	uS/cm	Y	MCQ	
			SAM004	pH	7.72	Units	Y	MCQ	
Time Sampled: 11:20	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ081346	TL	28/04/2021	SAM031	Ammonia as N	733	mg/l	Y	MCQ	\$@
			SAM016	BOD (ATU)	52.5	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	957	mg/l	Y	MCQ	
			SAM009	COD (Total)	1,290	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	11,100	uS/cm	Y	MCQ	
			SAM004	pH	7.65	Units	Y	MCQ	
			SAM001	Suspended Solids	42	mg/l	Y	MCQ	
Time Sampled: 13:10	Sample Matrix:	Landfill Leachate	Analsyt Comment:						
MCQ081347	RL	28/04/2021	SAM031	Ammonia as N	1,020	mg/l	Y	MCQ	\$@
			SAM016	BOD (ATU)	70.8	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,280	mg/l	Y	MCQ	
			SAM009	COD (Total)	1,670	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	13,200	uS/cm	Y	MCQ	
			SAM004	pH	7.36	Units	Y	MCQ	
			SAM001	Suspended Solids	7	mg/l	Y	MCQ	
Time Sampled: 12:50	Sample Matrix:	Landfill Leachate	Analsyt Comment:						
MCQ081350	SW2	28/04/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	1.05	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	23.3	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,140	uS/cm	Y	MCQ	
			SAM004	pH	7.87	Units	Y	MCQ	
			SAM001	Suspended Solids	11	mg/l	Y	MCQ	
			MCO- VOG	Visible Oil and Grease	<1	%	N	MCO	



Test Certificate

Certificate: ECTC021224

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
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Time Sampled: 13:40 Sample Matrix: Surface Water Analysyt Comment:

MCQ081351	SW3	28/04/2021	SAM031	Ammonia as N	0.12	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	1.13	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	42.4	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	517	uS/cm	Y	MCQ	
			SAM004	pH	7.10	Units	Y	MCQ	
			SAM001	Suspended Solids	3	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 13:50 Sample Matrix: Surface Water Analysyt Comment:

MCQ081352	SW4	28/04/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	1.06	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	30.9	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	839	uS/cm	Y	MCQ	
			SAM004	pH	7.89	Units	Y	MCQ	
			SAM001	Suspended Solids	19	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 14:00 Sample Matrix: Surface Water Analysyt Comment:

Sample Deviations Legend - Results may be compromised if the following deviations apply			
Comment	C	Incorrect Container	‡
Container with Headspace provided	8	Insufficient sample volume	È
BOD Overdiluted, therefore result indicative only	\$	BOD Underdiluted, therefore result indicative only	#
High Chloride concentration, COD could not be determined	§	Holding time exceeded due to sampled on date/time	@
Holding time exceeded in Lab	±	Holding time exceeded due to delayed instructions	&
Sample integrity Jeopardized in receipt	Ø		



Test Certificate

Certificate: ECTC021448

Issue No: 1

WDR & RT Taggart
Laganwood House
Newforge Lane
Malone Road
Belfast
Co Antrim
BT9 5NX

McQuillan Envirocare Ltd t/a McQuillan Environmental
Caulside Drive, New Park Industrial Estate
Antrim, BT41 2DU

Tel: (028) 9446 6708

Fax: (028) 9442 9580

www.mcquillancompanies.com
samplebooking@mcqcos.com

MCQ Job No	ORD-22929	Sample Receipt Date	28/05/2021
MCQ Quote Number	ECA-02563	Date Analysis Started	28/05/2021
Purchase Order Number	Lisbane Monthly	Completion Date	10/06/2021
No of Samples	13	Turnaround Time	10

Dear [REDACTED]

Analysis of your sample(s) is now complete and we have pleasure in enclosing the appropriate test report.

All analysis was completed within McQuillan Environmental Analytical Laboratory (MCQ) unless otherwise specified. Results relate only to the items tested. Any analysis that was subcontracted to an approved laboratory is indicated by 'S'. Please refer to the table at the end of your test certificate for explanations of sample deviations.

Where sample data is provided by the customer, the results relate to the sample supplied and on the basis that this data is correct. Incorrect sampling dates and/or sample information will affect the validity of results. This Test Certificate supersedes any version previously issued by the laboratory. The report shall not be reproduced except in full without approval of the laboratory.

Should you have any queries regarding this report(s) or any part of our service, please contact Sample Booking on 028 9448 3195 who will be happy to discuss your requirements.

Thank you for using our Laboratory and we look forward to receiving your next samples.

Yours Sincerely

[REDACTED]

Report Authorised by: [REDACTED]

Position: Lab Administrator

Date Issued: 10/6/2021

Addendum To Report:





Test Certificate

Certificate: ECTC021448

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ082280	BH2	26/05/2021	SAM031	Ammonia as N	2.02	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	27.3	mg/l	Y	MCQ	
			SAM009	COD (Total)	48	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	776	uS/cm	Y	MCQ	
			SAM004	pH	7.28	Units	Y	MCQ	
Time Sampled: 12:30	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ082281	BH4	26/05/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	16.0	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,070	uS/cm	Y	MCQ	
			SAM004	pH	6.90	Units	Y	MCQ	
Time Sampled: 10:50	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ082282	BH5	26/05/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	30.3	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	869	uS/cm	Y	MCQ	
			SAM004	pH	7.17	Units	Y	MCQ	
Time Sampled: 10:30	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ082283	BH6	26/05/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	21.7	mg/l	Y	MCQ	
			SAM009	COD (Total)	90	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	888	uS/cm	Y	MCQ	
			SAM004	pH	7.25	Units	Y	MCQ	
Time Sampled: 10:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ082284	BH6A	26/05/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	34.3	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	914	uS/cm	Y	MCQ	
			SAM004	pH	7.02	Units	Y	MCQ	
Time Sampled: 09:30	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ082285	BH8	26/05/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	7.45	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	585	uS/cm	Y	MCQ	
			SAM004	pH	7.61	Units	Y	MCQ	



Test Certificate

Certificate: ECTC021448

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
Time Sampled: 11:40	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ082286	BH9	26/05/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	95.3	mg/l	Y	MCQ	
			SAM009	COD (Total)	112	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,530	uS/cm	Y	MCQ	
			SAM004	pH	6.80	Units	Y	MCQ	
Time Sampled: 12:00	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ082287	BH13	26/05/2021	SAM031	Ammonia as N	0.52	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	29.3	mg/l	Y	MCQ	
			SAM009	COD (Total)	26	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	734	uS/cm	Y	MCQ	
			SAM004	pH	7.49	Units	Y	MCQ	
Time Sampled: 11:20	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ082288	TL	26/05/2021	SAM031	Ammonia as N	673	mg/l	Y	MCQ	#@
			SAM016	BOD (ATU)	59.7	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,010	mg/l	Y	MCQ	
			SAM009	COD (Total)	679	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	11,700	uS/cm	Y	MCQ	
			SAM004	pH	7.77	Units	Y	MCQ	
			SAM001	Suspended Solids	35	mg/l	Y	MCQ	
Time Sampled: 13:00	Sample Matrix:	Landfill Leachate	Analsyt Comment:						
MCQ082289	RL	26/05/2021	SAM031	Ammonia as N	180	mg/l	Y	MCQ	\$@
			SAM016	BOD (ATU)	90.1	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,150	mg/l	Y	MCQ	
			SAM009	COD (Total)	7,050	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	8,770	uS/cm	Y	MCQ	
			SAM004	pH	5.94	Units	Y	MCQ	
			SAM001	Suspended Solids	3,620	mg/l	Y	MCQ	
Time Sampled: 13:20	Sample Matrix:	Landfill Leachate	Analsyt Comment:						
MCQ082290	SW2	26/05/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	17.2	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	749	uS/cm	Y	MCQ	
			SAM004	pH	7.50	Units	Y	MCQ	
			SAM001	Suspended Solids	<3	mg/l	Y	MCQ	
			MCO- VOG	Visible Oil and Grease	<1	%	N	MCO	



Test Certificate

Certificate: ECTC021448

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
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Time Sampled: 13:40 Sample Matrix: Surface Water Analysyt Comment:

MCQ082291	SW3	26/05/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	34.1	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	452	uS/cm	Y	MCQ	
			SAM004	pH	7.16	Units	Y	MCQ	
			SAM001	Suspended Solids	<3	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 13:50 Sample Matrix: Surface Water Analysyt Comment:

MCQ082292	SW4	26/05/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	22.4	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	669	uS/cm	Y	MCQ	
			SAM004	pH	7.68	Units	Y	MCQ	
			SAM001	Suspended Solids	9	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 14:00 Sample Matrix: Surface Water Analysyt Comment:

Sample Deviations Legend - Results may be compromised if the following deviations apply			
Comment	C	Incorrect Container	‡
Container with Headspace provided	8	Insufficient sample volume	È
BOD Overdiluted, therefore result indicative only	\$	BOD Underdiluted, therefore result indicative only	#
High Chloride concentration, COD could not be determined	§	Holding time exceeded due to sampled on date/time	@
Holding time exceeded in Lab	±	Holding time exceeded due to delayed instructions	&
Sample integrity Jeopardized in receipt	Ø		



Test Certificate

Certificate: ECTC021550

Issue No: 1

Bluesky Recovery
29 Auglish Road
Tandragee
Armagh
BT62 2EE

McQuillan Envirocare Ltd t/a McQuillan Environmental
Caulside Drive, New Park Industrial Estate
Antrim, BT41 2DU

Tel: (028) 9446 6708

Fax: (028) 9442 9580

www.mcquillancompanies.com
samplebooking@mcqcos.com

MCQ Job No	ORD-23032	Sample Receipt Date	10/06/2021
MCQ Quote Number	ECA-02563	Date Analysis Started	10/06/2021
Purchase Order Number	Lisbane Quarterly	Completion Date	19/07/2021
No of Samples	13	Turnaround Time	10

Dear [REDACTED]

Analysis of your sample(s) is now complete and we have pleasure in enclosing the appropriate test report.

All analysis was completed within McQuillan Environmental Analytical Laboratory (MCQ) unless otherwise specified. Results relate only to the items tested. Any analysis that was subcontracted to an approved laboratory is indicated by 'S'. Please refer to the table at the end of your test certificate for explanations of sample deviations.

Where sample data is provided by the customer, the results relate to the sample supplied and on the basis that this data is correct. Incorrect sampling dates and/or sample information will affect the validity of results. This Test Certificate supersedes any version previously issued by the laboratory. The report shall not be reproduced except in full without approval of the laboratory.

Should you have any queries regarding this report(s) or any part of our service, please contact Sample Booking on 028 9448 3195 who will be happy to discuss your requirements.

Thank you for using our Laboratory and we look forward to receiving your next samples.

Yours Sincerely

[REDACTED]

Report Authorised by: [REDACTED]

Position: Lab Administrator

Date Issued: 19/7/2021

Addendum To Report:





Test Certificate

Certificate: ECTC021550

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ082621	BH2	09/06/2021	SAM031	Alkalinity, Total	213	mg/l	Y	MCQ	@
			SAM031	Ammonia as N	0.44	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	50.1	ug/l	Y	S	
			SAM016	BOD (ATU)	7.28	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	74.40	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	17.3	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	4.68	ug/l	Y	S	
			SAM009	COD (Total)	90	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	700	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	4.43	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	7.84	ug/l	Y	S	
			SAM038TM	Magnesium Tot	29.90	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	158	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	12.7	ug/l	Y	S	
			SAM004	pH	7.26	Units	Y	MCQ	
			SAM038TM	Potassium Tot	3.44	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	16.20	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	143.00	mg/l	Y	MCQ	
			SAM031	TON as N	0.51	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	4.1	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	41.5	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 12:50
Sample Matrix: Ground Water
Analysyt Comment:

MCQ082622	BH4	09/06/2021	SAM031	Alkalinity, Total	420	mg/l	Y	MCQ	@
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	156.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	21.2	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	3.21	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,120	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	2.07	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	43.70	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	76.2	ug/l	Y	S	



Test Certificate

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Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ082622	BH4	09/06/2021	N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	4.06	ug/l	Y	S	
			SAM004	pH	6.84	Units	Y	MCQ	
			SAM038TM	Potassium Tot	4.93	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	15.80	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	176.00	mg/l	Y	MCQ	
			SAM031	TON as N	0.09	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	4.4	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	5.06	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	
Time Sampled: 11:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ082623	BH5	09/06/2021	SAM031	Alkalinity, Total	207	mg/l	Y	MCQ	@
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	2.04	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	111.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	33.0	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	3.45	ug/l	Y	S	
			SAM009	COD (Total)	39	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	941	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	2.74	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	2.92	ug/l	Y	S	
			SAM038TM	Magnesium Tot	28.40	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	224	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	12.9	ug/l	Y	S	
			SAM004	pH	7.17	Units	Y	MCQ	
			SAM038TM	Potassium Tot	8.57	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	29.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	254.00	mg/l	Y	MCQ	
			SAM031	TON as N	0.40	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	8.5	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	23.9	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ082623	BH5	09/06/2021	N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 10:40
Sample Matrix: Ground Water **Analysyt Comment:**

MCQ082624	BH6	09/06/2021	SAM031	Alkalinity, Total	200	mg/l	Y	MCQ	
			SAM031	Ammonia as N	0.50	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	268	ug/l	Y	S	
			SAM016	BOD (ATU)	28.0	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<30	ug/l	Y	S	
			SAM038TM	Calcium Tot	1,710.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	22.3	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	1,450	ug/l	Y	S	
			SAM009	COD (Total)	970	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,100	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	1,360	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	1,580	ug/l	Y	S	
			SAM038TM	Magnesium Tot	1,860.00	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	55,500	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	0.255	ug/l	Y	S	
			N/A	Naphthalene	0.247	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	3,730	ug/l	Y	S	
			SAM004	pH	7.32	Units	Y	MCQ	
			SAM038TM	Potassium Tot	178.00	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	52.40	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	386.00	mg/l	Y	MCQ	
			SAM031	TON as N	0.39	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	7	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	8,960	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 10:20
Sample Matrix: Ground Water **Analysyt Comment:**

MCQ082625	BH6A	09/06/2021	SAM031	Alkalinity, Total	241	mg/l	Y	MCQ	
			SAM031	Ammonia as N	0.24	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	103.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	39.9	mg/l	Y	MCQ	



Test Certificate

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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ082625	BH6A	09/06/2021	N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	129	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	964	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.528	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	28.80	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	12.5	ug/l	Y	S	
			N/A	Mecoprop	0.06	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	5.8	ug/l	Y	S	
			SAM004	pH	7.05	Units	Y	MCQ	
			SAM038TM	Potassium Tot	6.14	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	34.30	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	200.00	mg/l	Y	MCQ	
			SAM031	TON as N	4.53	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	59	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	5.48	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 09:50
Sample Matrix: Ground Water
Analysyt Comment:

MCQ082626	BH8	09/06/2021	SAM031	Alkalinity, Total	202	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	104.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	16.7	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	808	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.427	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	1.11	ug/l	Y	S	
			SAM038TM	Magnesium Tot	34.20	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	1,650	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	8.56	ug/l	Y	S	
			SAM004	pH	7.32	Units	Y	MCQ	
			SAM038TM	Potassium Tot	1.62	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	15.20	mg/l	Y	MCQ	



Test Certificate

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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ082626	BH8	09/06/2021	SAM031	Sulphate as SO4	213.00	mg/l	Y	MCQ	
			SAM031	TON as N	< 0.08	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	46	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	31.3	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 11:50
Sample Matrix: Ground Water **Analysyt Comment:**

MCQ082627	BH9	09/06/2021	SAM031	Alkalinity, Total	345	mg/l	Y	MCQ	
			SAM031	Ammonia as N	1.70	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	203.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	94.2	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	111	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,620	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.797	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	66.10	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	786	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	17.9	ug/l	Y	S	
			SAM004	pH	6.92	Units	Y	MCQ	
			SAM038TM	Potassium Tot	16.50	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	58.60	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	410.00	mg/l	Y	MCQ	
			SAM031	TON as N	2.70	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	110	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	<5	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 12:20
Sample Matrix: Ground Water **Analysyt Comment:**



Test Certificate

Certificate: ECTC021550

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ082628	BH13	09/06/2021	SAM031	Alkalinity, Total	188	mg/l	Y	MCQ	@
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	6.72	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	72.60	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	28.1	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	751	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.433	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	40.50	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	319	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	1.41	ug/l	Y	S	
			SAM004	pH	7.67	Units	Y	MCQ	
			SAM038TM	Potassium Tot	1.11	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	22.20	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	165.00	mg/l	Y	MCQ	
			SAM031	TON as N	0.14	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	41	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	<5	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 11:30
Sample Matrix: Ground Water
Analysyt Comment:

MCQ082633	TL	09/06/2021	SAM031	Alkalinity, Total	6,300	mg/l	Y	MCQ	\$@
			SAM031	Ammonia as N	1,140	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	38.6	ug/l	Y	S	
			SAM016	BOD (ATU)	77.1	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	139.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,460	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	246	ug/l	Y	S	
			SAM009	COD (Total)	2,010	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	15,800	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	11.9	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	5.45	ug/l	Y	S	
			SAM038TM	Magnesium Tot	77.10	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	1,010	ug/l	Y	S	



Test Certificate

Certificate: ECTC021550

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ082633	TL	09/06/2021	N/A	Mecoprop	0.31	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	4.92	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	141	ug/l	Y	S	
			SAM004	pH	7.88	Units	Y	MCQ	
			SAM038TM	Potassium Tot	561.00	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	1,320.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	198.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	32	mg/l	Y	MCQ	
			N/A	TOC	1900	mg/l	Y	S	
			SAM031	TON as N	<0.40	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	124	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.03	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.06	mg/l	Y	S	
			N/A	Cresols	<0.06	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.25	mg/l	N	S	
			N/A	Xylenols	<0.08	mg/l	Y	S	
Time Sampled: 13:40	Sample Matrix:	Landfill Leachate	Analysyt Comment:						
MCQ082634	RL	09/06/2021	SAM031	Alkalinity, Total	6,220	mg/l	Y	MCQ	\$@
			SAM031	Ammonia as N	1,130	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	34.2	ug/l	Y	S	
			SAM016	BOD (ATU)	79.5	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	135.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,750	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	196	ug/l	Y	S	
			SAM009	COD (Total)	1,910	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	15,500	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	8.68	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	3.12	ug/l	Y	S	
			SAM038TM	Magnesium Tot	75.10	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	1,000	ug/l	Y	S	
			N/A	Mecoprop	0.3	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	6.97	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	138	ug/l	Y	S	
			SAM004	pH	7.60	Units	Y	MCQ	
			SAM038TM	Potassium Tot	517.00	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	1,230.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	181.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	10	mg/l	Y	MCQ	
			N/A	TOC	1900	mg/l	Y	S	
			SAM031	TON as N	<0.40	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	98.6	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.03	mg/l	Y	S	



Test Certificate

Certificate: ECTC021550

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ082634	RL	09/06/2021	N/A	2-Isopropylphenol	<0.06	mg/l	Y	S	
			N/A	Cresols	<0.06	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.25	mg/l	N	S	
			N/A	Xylenols	<0.08	mg/l	Y	S	

Time Sampled: 13:20 Sample Matrix: Landfill Leachate Analsyt Comment:

MCQ082637	SW2	09/06/2021	SAM031	Alkalinity, Total	204	mg/l	Y	MCQ	@
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	135.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	22.1	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			N/A	Copper (tot.unfilt)	3.89	ug/l	Y	S	
			MCQ- DO	Dissolved Oxygen	8.56	mg/l	N	MCQ	
			SAM005	Electrical Conductivity	1,120	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.262	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	55.40	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	35	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	6.43	ug/l	Y	S	
			SAM004	pH	7.95	Units	Y	MCQ	
			SAM038TM	Potassium Tot	5.64	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	21.80	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	401.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	8	mg/l	Y	MCQ	
			SAM031	TON as N	0.46	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	29	mg/l	Y	S	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
			N/A	Zinc (tot.unfilt)	5.12	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S	
			N/A	Cresols	<0.006	mg/l	N	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	N	S	

Time Sampled: 14:00 Sample Matrix: Surface Water Analsyt Comment:

MCQ082638	SW3	09/06/2021	SAM031	Alkalinity, Total	168	mg/l	Y	MCQ	@
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	1.04	mg/l	Y	MCQ	



Test Certificate

Certificate: ECTC021550

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ082638	SW3	09/06/2021	N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	55.60	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	37.7	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	36	mg/l	Y	MCQ	
			N/A	Copper (tot.unfilt)	<1	ug/l	Y	S	
			MCQ- DO	Dissolved Oxygen	5.74	mg/l	N	MCQ	
			SAM005	Electrical Conductivity	508	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.286	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	15.30	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	313	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	1.37	ug/l	Y	S	
			SAM004	pH	7.40	Units	Y	MCQ	
			SAM038TM	Potassium Tot	1.63	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	21.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	42.60	mg/l	Y	MCQ	
			SAM001	Suspended Solids	57	mg/l	Y	MCQ	
			SAM031	TON as N	0.54	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	39	mg/l	Y	S	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
			N/A	Zinc (tot.unfilt)	<5	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S	
			N/A	Cresols	<0.006	mg/l	N	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	N	S	
Time Sampled: 14:20	Sample Matrix:	Surface Water	Analsyt Comment:						
MCQ082639	SW4	09/06/2021	SAM031	Alkalinity, Total	194	mg/l	Y	MCQ	@
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	105.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	28.4	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			N/A	Copper (tot.unfilt)	5.53	ug/l	Y	S	
			MCQ- DO	Dissolved Oxygen	8.82	mg/l	N	MCQ	
			SAM005	Electrical Conductivity	896	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.532	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	40.00	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	91.4	ug/l	Y	S	



Test Certificate

Certificate: ECTC021550

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ082639	SW4	09/06/2021	N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	4.89	ug/l	Y	S	
			SAM004	pH	7.94	Units	Y	MCQ	
			SAM038TM	Potassium Tot	4.18	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	21.80	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	249.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	10	mg/l	Y	MCQ	
			SAM031	TON as N	0.60	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	42	mg/l	Y	S	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
			N/A	Zinc (tot.unfilt)	7.78	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S	
			N/A	Cresols	<0.006	mg/l	N	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	N	S	

Time Sampled: 14:40
Sample Matrix: Surface Water Analyst Comment:

Sample Deviations Legend - Results may be compromised if the following deviations apply			
Comment	C	Incorrect Container	‡
Container with Headspace provided	8	Insufficient sample volume	È
BOD Overdiluted, therefore result indicative only	\$	BOD Underdiluted, therefore result indicative only	#
High Chloride concentration, COD could not be determined	§	Holding time exceeded due to sampled on date/time	@
Holding time exceeded in Lab	±	Holding time exceeded due to delayed instructions	&
Sample integrity Jeopardized in receipt	Ø		



Test Certificate

Certificate: ECTC021840

Issue No: 1

Bluesky Recovery
29 Auglish Road
Tandragee
Armagh
BT62 2EE

McQuillan Envirocare Ltd t/a McQuillan Environmental
Caulside Drive, New Park Industrial Estate
Antrim, BT41 2DU

Tel: (028) 9446 6708

Fax: (028) 9442 9580

www.mcquillancompanies.com
samplebooking@mcqcos.com

MCQ Job No	ORD-23322	Sample Receipt Date	22/07/2021
MCQ Quote Number	ECA-02563	Date Analysis Started	22/07/2021
Purchase Order Number	Lisbane Monthly	Completion Date	12/08/2021
No of Samples	13	Turnaround Time	10

Dear [REDACTED]

Analysis of your sample(s) is now complete and we have pleasure in enclosing the appropriate test report.

All analysis was completed within McQuillan Environmental Analytical Laboratory (MCQ) unless otherwise specified. Results relate only to the items tested. Any analysis that was subcontracted to an approved laboratory is indicated by 'S'. Please refer to the table at the end of your test certificate for explanations of sample deviations.

Where sample data is provided by the customer, the results relate to the sample supplied and on the basis that this data is correct. Incorrect sampling dates and/or sample information will affect the validity of results. This Test Certificate supersedes any version previously issued by the laboratory. The report shall not be reproduced except in full without approval of the laboratory.

Should you have any queries regarding this report(s) or any part of our service, please contact Sample Booking on 028 9448 3195 who will be happy to discuss your requirements.

Thank you for using our Laboratory and we look forward to receiving your next samples.

Yours Sincerely

[REDACTED]

Report Authorised by: [REDACTED]

Position: Senior Lab Administrator

Date Issued: 12/8/2021

Addendum To Report:





Test Certificate

Certificate: ECTC021840

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ083796	BH2	21/07/2021	SAM031	Ammonia as N	1.02	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	16.7	mg/l	Y	MCQ	
			SAM009	COD (Total)	106	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	838	uS/cm	Y	MCQ	
			SAM004	pH	7.02	Units	Y	MCQ	
Time Sampled: 12:50	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ083797	BH4	21/07/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	22.2	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,140	uS/cm	Y	MCQ	
			SAM004	pH	6.92	Units	Y	MCQ	
Time Sampled: 11:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ083798	BH5	21/07/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	34.8	mg/l	Y	MCQ	
			SAM009	COD (Total)	28	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,040	uS/cm	Y	MCQ	
			SAM004	pH	7.09	Units	Y	MCQ	
Time Sampled: 10:40	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ083799	BH6	21/07/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	23.6	mg/l	Y	MCQ	
			SAM009	COD (Total)	39	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,090	uS/cm	Y	MCQ	
			SAM004	pH	7.17	Units	Y	MCQ	
Time Sampled: 10:20	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ083800	BH6A	21/07/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	40.2	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	976	uS/cm	Y	MCQ	
			SAM004	pH	6.95	Units	Y	MCQ	
Time Sampled: 10:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ083801	BH8	21/07/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	49.9	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,180	uS/cm	Y	MCQ	
			SAM004	pH	7.04	Units	Y	MCQ	



Test Certificate

Certificate: ECTC021840

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
Time Sampled: 11:50	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ083802	BH9	21/07/2021	SAM031	Ammonia as N	0.45	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	93.5	mg/l	Y	MCQ	
			SAM009	COD (Total)	112	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,650	uS/cm	Y	MCQ	
			SAM004	pH	6.77	Units	Y	MCQ	
Time Sampled: 12:20	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ083803	BH13	21/07/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	32.0	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	757	uS/cm	Y	MCQ	
			SAM004	pH	7.47	Units	Y	MCQ	
Time Sampled: 11:30	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ083804	TL	21/07/2021	SAM031	Ammonia as N	83.2	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	6.77	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,250	mg/l	Y	MCQ	
			SAM009	COD (Total)	971	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	10,800	uS/cm	Y	MCQ	
			SAM004	pH	5.29	Units	Y	MCQ	
			SAM001	Suspended Solids	34	mg/l	Y	MCQ	
Time Sampled: 13:00	Sample Matrix:	Landfill Leachate	Analsyt Comment:						
MCQ083805	RL	21/07/2021	SAM031	Ammonia as N	1,040	mg/l	Y	MCQ	8\$@
			SAM016	BOD (ATU)	69.1	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,390	mg/l	Y	MCQ	
			SAM009	COD (Total)	1,800	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	15,300	uS/cm	Y	MCQ	
			SAM004	pH	7.54	Units	Y	MCQ	
			SAM001	Suspended Solids	38	mg/l	Y	MCQ	
Time Sampled: 13:10	Sample Matrix:	Landfill Leachate	Analsyt Comment:						
MCQ083806	SW2	21/07/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	1.30	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	24.7	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,240	uS/cm	Y	MCQ	
			SAM004	pH	7.91	Units	Y	MCQ	
			SAM001	Suspended Solids	<3	mg/l	Y	MCQ	
			MCO- VOG	Visible Oil and Grease	<1	%	N	MCO	



Test Certificate

Certificate: ECTC021840

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
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Time Sampled: 13:30
Sample Matrix: Surface Water
Analysyt Comment:

MCQ083807	SW3	21/07/2021	SAM031	Ammonia as N	0.20	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	3.99	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	37.7	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	538	uS/cm	Y	MCQ	
			SAM004	pH	7.22	Units	Y	MCQ	
			SAM001	Suspended Solids	86	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 13:40
Sample Matrix: Surface Water
Analysyt Comment:

MCQ083808	SW4	21/07/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	29.0	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,010	uS/cm	Y	MCQ	
			SAM004	pH	7.90	Units	Y	MCQ	
			SAM001	Suspended Solids	14	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 13:50
Sample Matrix: Surface Water
Analysyt Comment:

Sample Deviations Legend - Results may be compromised if the following deviations apply			
Comment	C	Incorrect Container	‡
Container with Headspace provided	8	Insufficient sample volume	È
BOD Overdiluted, therefore result indicative only	\$	BOD Underdiluted, therefore result indicative only	#
High Chloride concentration, COD could not be determined	§	Holding time exceeded due to sampled on date/time	@
Holding time exceeded in Lab	±	Holding time exceeded due to delayed instructions	&
Sample integrity Jeopardized in receipt	Ø		



Test Certificate

Certificate: ECTC022022

Issue No: 1

Bluesky Recovery
29 Auglish Road
Tandragee
Armagh
BT62 2EE

McQuillan Envirocare Ltd t/a McQuillan Environmental
Caulside Drive, New Park Industrial Estate
Antrim, BT41 2DU

Tel: (028) 9446 6708

Fax: (028) 9442 9580

www.mcquillancompanies.com
samplebooking@mcqcos.com

MCQ Job No	ORD-23505	Sample Receipt Date	17/08/2021
MCQ Quote Number	ECA-02563	Date Analysis Started	17/08/2021
Purchase Order Number	Lisbane Monthly	Completion Date	26/08/2021
No of Samples	13	Turnaround Time	10

Dear [REDACTED]

Analysis of your sample(s) is now complete and we have pleasure in enclosing the appropriate test report.

All analysis was completed within McQuillan Environmental Analytical Laboratory (MCQ) unless otherwise specified. Results relate only to the items tested. Any analysis that was subcontracted to an approved laboratory is indicated by 'S'. Please refer to the table at the end of your test certificate for explanations of sample deviations.

Where sample data is provided by the customer, the results relate to the sample supplied and on the basis that this data is correct. Incorrect sampling dates and/or sample information will affect the validity of results. This Test Certificate supersedes any version previously issued by the laboratory. The report shall not be reproduced except in full without approval of the laboratory.

Should you have any queries regarding this report(s) or any part of our service, please contact Sample Booking on 028 9448 3195 who will be happy to discuss your requirements.

Thank you for using our Laboratory and we look forward to receiving your next samples.

Yours Sincerely

[REDACTED]

Report Authorised by: [REDACTED]

Position: Senior Lab Administrator

Date Issued: 26/8/2021

Addendum To Report:





Test Certificate

Certificate: ECTC022022

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ084537	BH2	16/08/2021	SAM031	Ammonia as N	0.68	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	19.3	mg/l	Y	MCQ	
			N/A	COD, unfiltered	39	mg/l	Y	S	
			SAM005	Electrical Conductivity	802	uS/cm	Y	MCQ	
			SAM004	pH	7.20	Units	Y	MCQ	
Time Sampled: 12:50	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ084538	BH4	16/08/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	22.9	mg/l	Y	MCQ	
			N/A	COD, unfiltered	12.7	mg/l	Y	S	
			SAM005	Electrical Conductivity	1,100	uS/cm	Y	MCQ	
			SAM004	pH	7.05	Units	Y	MCQ	
Time Sampled: 11:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ084539	BH5	16/08/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	31.6	mg/l	Y	MCQ	
			N/A	COD, unfiltered	23.7	mg/l	Y	S	
			SAM005	Electrical Conductivity	1,050	uS/cm	Y	MCQ	
			SAM004	pH	7.13	Units	Y	MCQ	
Time Sampled: 10:40	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ084540	BH6	16/08/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	27.1	mg/l	Y	MCQ	
			N/A	COD, unfiltered	26.3	mg/l	Y	S	
			SAM005	Electrical Conductivity	1,040	uS/cm	Y	MCQ	
			SAM004	pH	7.30	Units	Y	MCQ	
Time Sampled: 10:20	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ084541	BH6A	16/08/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	47.8	mg/l	Y	MCQ	
			N/A	COD, unfiltered	13.8	mg/l	Y	S	
			SAM005	Electrical Conductivity	951	uS/cm	Y	MCQ	
			SAM004	pH	7.07	Units	Y	MCQ	
Time Sampled: 10:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ084542	BH8	16/08/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	55.9	mg/l	Y	MCQ	
			N/A	COD, unfiltered	13.7	mg/l	Y	S	
			SAM005	Electrical Conductivity	1,230	uS/cm	Y	MCQ	
			SAM004	pH	7.10	Units	Y	MCQ	



Test Certificate

Certificate: ECTC022022

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
Time Sampled: 12:00	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ084543	BH9	16/08/2021	SAM031	Ammonia as N	1.28	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	102	mg/l	Y	MCQ	
			N/A	COD, unfiltered	121	mg/l	Y	S	
			SAM005	Electrical Conductivity	1,740	uS/cm	Y	MCQ	
			SAM004	pH	6.97	Units	Y	MCQ	
Time Sampled: 12:20	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ084544	BH13	16/08/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	28.2	mg/l	Y	MCQ	
			N/A	COD, unfiltered	7.52	mg/l	Y	S	
			SAM005	Electrical Conductivity	731	uS/cm	Y	MCQ	
			SAM004	pH	7.56	Units	Y	MCQ	
Time Sampled: 11:00	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ084545	TL	16/08/2021	SAM031	Ammonia as N	58.0	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	2.13	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,250	mg/l	Y	MCQ	
			N/A	COD, unfiltered	924	mg/l	Y	S	
			SAM005	Electrical Conductivity	9,280	uS/cm	Y	MCQ	
			SAM004	pH	5.81	Units	Y	MCQ	
			SAM001	Suspended Solids	38	mg/l	Y	MCQ	
Time Sampled: 11:30	Sample Matrix:	Landfill Leachate	Analsyt Comment:						
MCQ084546	RL	16/08/2021	SAM031	Ammonia as N	1,060	mg/l	Y	MCQ	#@
			SAM016	BOD (ATU)	64.2	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,360	mg/l	Y	MCQ	
			N/A	COD, unfiltered	2000	mg/l	Y	S	
			SAM005	Electrical Conductivity	14,600	uS/cm	Y	MCQ	
			SAM004	pH	7.74	Units	Y	MCQ	
			SAM001	Suspended Solids	14	mg/l	Y	MCQ	
Time Sampled: 11:40	Sample Matrix:	Landfill Leachate	Analsyt Comment:						
MCQ084547	SW2	16/08/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	22.5	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,160	uS/cm	Y	MCQ	
			SAM004	pH	7.83	Units	Y	MCQ	
			SAM001	Suspended Solids	6	mg/l	Y	MCQ	
			MCO- VOG	Visible Oil and Grease	<1	%	N	MCQ	



Test Certificate

Certificate: ECTC022022

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
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Time Sampled: 13:00 Sample Matrix: Surface Water Analysyt Comment:

MCQ084548	SW3	16/08/2021	SAM031	Ammonia as N	0.16	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	2.08	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	44.3	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	550	uS/cm	Y	MCQ	
			SAM004	pH	7.25	Units	Y	MCQ	
			SAM001	Suspended Solids	3	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 13:10 Sample Matrix: Surface Water Analysyt Comment:

MCQ084549	SW4	16/08/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	29.2	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	993	uS/cm	Y	MCQ	
			SAM004	pH	7.97	Units	Y	MCQ	
			SAM001	Suspended Solids	15	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 13:20 Sample Matrix: Surface Water Analysyt Comment:

Sample Deviations Legend - Results may be compromised if the following deviations apply			
Comment	C	Incorrect Container	‡
Container with Headspace provided	8	Insufficient sample volume	È
BOD Overdiluted, therefore result indicative only	\$	BOD Underdiluted, therefore result indicative only	#
High Chloride concentration, COD could not be determined	§	Holding time exceeded due to sampled on date/time	@
Holding time exceeded in Lab	±	Holding time exceeded due to delayed instructions	&
Sample integrity Jeopardized in receipt	Ø		



Test Certificate

Certificate: ECTC022346

Issue No: 1

Bluesky Recovery
29 Auglish Road
Tandragee
Armagh
BT62 2EE

McQuillan Envirocare Ltd t/a McQuillan Environmental
Caulside Drive, New Park Industrial Estate
Antrim, BT41 2DU

Tel: (028) 9446 6708

Fax: (028) 9442 9580

www.mcquillancompanies.com
samplebooking@mcqcos.com

MCQ Job No	ORD-23831	Sample Receipt Date	30/09/2021
MCQ Quote Number	ECA-02563	Date Analysis Started	30/09/2021
Purchase Order Number	Lisbane Quarterly	Completion Date	18/10/2021
No of Samples	12	Turnaround Time	10

Dear [REDACTED]

Analysis of your sample(s) is now complete and we have pleasure in enclosing the appropriate test report.

All analysis was completed within McQuillan Environmental Analytical Laboratory (MCQ) unless otherwise specified. Results relate only to the items tested. Any analysis that was subcontracted to an approved laboratory is indicated by 'S'. Please refer to the table at the end of your test certificate for explanations of sample deviations.

Where sample data is provided by the customer, the results relate to the sample supplied and on the basis that this data is correct. Incorrect sampling dates and/or sample information will affect the validity of results. This Test Certificate supersedes any version previously issued by the laboratory. The report shall not be reproduced except in full without approval of the laboratory.

Should you have any queries regarding this report(s) or any part of our service, please contact Sample Booking on 028 9448 3195 who will be happy to discuss your requirements.

Thank you for using our Laboratory and we look forward to receiving your next samples.

Yours Sincerely

[REDACTED]

Report Authorised by: [REDACTED]

Position: Senior Lab Administrator

Date Issued: 18/10/2021

Addendum To Report:





Test Certificate

Certificate: ECTC022346

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ085768	BH4	30/09/2021	SAM031	Alkalinity, Total	392	mg/l	Y	MCQ	
			SAM031	Ammonia as N	0.18	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	153.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	19.8	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	3.73	ug/l	Y	S	
			SAM009	COD (Total)	60	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,130	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	2.53	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	45.50	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	136	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	5.71	ug/l	Y	S	
			N/A	Organic Carbon, Total	3.03	mg/l	Y	S	
			SAM004	pH	6.85	Units	Y	MCQ	
			SAM038TM	Potassium Tot	4.65	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	16.50	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	220.00	mg/l	Y	MCQ	
			SAM031	TON as N	0.14	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	9.66	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled:
10:30

Sample Matrix: Ground Water **Analysyt Comment:** Sample holding time exceeded due to late arrival of sample for TOC analysis.

MCQ085769	BH5	30/09/2021	SAM031	Alkalinity, Total	223	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	6.98	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	177.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	35.8	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	18	ug/l	Y	S	
			SAM009	COD (Total)	79	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,290	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	14.2	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	14.8	ug/l	Y	S	
			SAM038TM	Magnesium Tot	41.70	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	1,410	ug/l	Y	S	



Test Certificate

Certificate: ECTC022346

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ085769	BH5	30/09/2021	N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	51.3	ug/l	Y	S	
			N/A	Organic Carbon, Total	10.3	mg/l	Y	S	
			SAM004	pH	7.00	Units	Y	MCQ	
			SAM038TM	Potassium Tot	13.10	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	40.70	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	417.00	mg/l	Y	MCQ	
			SAM031	TON as N	10.6	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	77.9	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 10:20 **Sample Matrix:** Ground Water **Analysyt Comment:** Sample holding time exceeded due to late arrival of sample for TOC analysis.

MCQ085770	BH6	30/09/2021	SAM031	Alkalinity, Total	191	mg/l	Y	MCQ	
			SAM031	Ammonia as N	0.40	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	89.6	ug/l	Y	S	
			SAM016	BOD (ATU)	17.8	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<5	ug/l	Y	S	
			SAM038TM	Calcium Tot	316.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	21.6	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	540	ug/l	Y	S	
			SAM009	COD (Total)	3,410	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,000	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	371	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	467	ug/l	Y	S	
			SAM038TM	Magnesium Tot	312.00	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	12,500	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	0.0117	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	1,050	ug/l	Y	S	
			N/A	Organic Carbon, Total	24.1	mg/l	Y	S	
			SAM004	pH	7.28	Units	Y	MCQ	
			SAM038TM	Potassium Tot	37.60	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	24.20	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	334.00	mg/l	Y	MCQ	
			SAM031	TON as N	2.47	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	2,050	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	



Test Certificate

Certificate: ECTC022346

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ085770	BH6	30/09/2021	N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 09:50 **Sample Matrix:** Ground Water **Analysyt Comment:** Sample holding time exceeded due to late arrival of sample for TOC analysis.

MCQ085771	BH6A	30/09/2021	SAM031	Alkalinity, Total	252	mg/l	Y	MCQ	
			SAM031	Ammonia as N	0.21	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	111.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	41.0	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	3.07	ug/l	Y	S	
			SAM009	COD (Total)	91	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,000	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	1.11	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	29.70	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	81.8	ug/l	Y	S	
			N/A	Mecoprop	0.05	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	0.0267	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	8.16	ug/l	Y	S	
			N/A	Organic Carbon, Total	3.82	mg/l	Y	S	
			SAM004	pH	7.13	Units	Y	MCQ	
			SAM038TM	Potassium Tot	6.04	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	38.80	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	201.00	mg/l	Y	MCQ	
			SAM031	TON as N	4.87	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	8.88	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 09:30 **Sample Matrix:** Ground Water **Analysyt Comment:** Sample holding time exceeded due to late arrival of sample for TOC analysis.

MCQ085772	BH8	30/09/2021	SAM031	Alkalinity, Total	250	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	156.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	15.8	mg/l	Y	MCQ	



Test Certificate

Certificate: ECTC022346

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ085772	BH8	30/09/2021	N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	989	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.232	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	51.00	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	1,150	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	12.9	ug/l	Y	S	
			N/A	Organic Carbon, Total	<3	mg/l	Y	S	
			SAM004	pH	7.12	Units	Y	MCQ	
			SAM038TM	Potassium Tot	1.85	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	31.10	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	298.00	mg/l	Y	MCQ	
			SAM031	TON as N	< 0.08	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	19.6	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 12:00 **Sample Matrix:** Ground Water **Analysyt Comment:** Sample holding time exceeded due to late arrival of sample for TOC analysis.

MCQ085773	BH9	30/09/2021	SAM031	Alkalinity, Total	551	mg/l	Y	MCQ	
			SAM031	Ammonia as N	4.05	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	1.25	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	404.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	124	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	3.28	ug/l	Y	S	
			SAM009	COD (Total)	119	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,900	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	1.86	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	1.07	ug/l	Y	S	
			SAM038TM	Magnesium Tot	128.00	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	307	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	0.0283	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	14.8	ug/l	Y	S	
			N/A	Organic Carbon, Total	25.8	mg/l	Y	S	
			SAM004	pH	7.05	Units	Y	MCQ	
			SAM038TM	Potassium Tot	28.10	mg/l	Y	MCQ	



Test Certificate

Certificate: ECTC022346

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ085773	BH9	30/09/2021	SAM038TM	Sodium Tot	116.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	346.00	mg/l	Y	MCQ	
			SAM031	TON as N	1.83	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	7	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 12:20 **Sample Matrix:** Ground Water **Analysyt Comment:** Sample holding time exceeded due to late arrival of sample for TOC analysis.

MCQ085774	BH13	30/09/2021	SAM031	Alkalinity, Total	191	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	5.55	ug/l	Y	S	
			SAM016	BOD (ATU)	1.63	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	68.50	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	28.8	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	31	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	741	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.33	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	38.80	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	224	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	<1	ug/l	Y	S	
			N/A	Organic Carbon, Total	<3	mg/l	Y	S	
			SAM004	pH	7.60	Units	Y	MCQ	
			SAM038TM	Potassium Tot	1.53	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	22.10	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	155.00	mg/l	Y	MCQ	
			SAM031	TON as N	0.33	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	8.44	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	0.01	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 11:00 **Sample Matrix:** Ground Water **Analysyt Comment:**



Test Certificate

Certificate: ECTC022346

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ085776	TL	30/09/2021	SAM031	Alkalinity, Total	165	mg/l	Y	MCQ	8
			SAM031	Ammonia as N	55.4	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	106	ug/l	Y	S	
			SAM016	BOD (ATU)	29.0	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<5	ug/l	Y	S	
			SAM038TM	Calcium Tot	293.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,050	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	713	ug/l	Y	S	
			SAM009	COD (Total)	1,720	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	9,210	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	99.8	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	56.5	ug/l	Y	S	
			SAM038TM	Magnesium Tot	114.00	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	3,970	ug/l	Y	S	
			N/A	Mecoprop	0.14	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.2	ug/l	Y	S	
			N/A	Naphthalene	1.08	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	233	ug/l	Y	S	
			N/A	Organic Carbon, Total	291	mg/l	Y	S	
			SAM004	pH	5.57	Units	Y	MCQ	
			SAM038TM	Potassium Tot	498.00	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	1,840.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	60.80	mg/l	Y	MCQ	
			SAM001	Suspended Solids	660	mg/l	Y	MCQ	
			SAM031	TON as N	722	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	1,070	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 11:20 Sample Matrix: Landfill Leachate Analysyt Comment:

MCQ085777	RL	30/09/2021	SAM031	Alkalinity, Total	4,520	mg/l	Y	MCQ	8#
			SAM031	Ammonia as N	802	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	51.7	ug/l	Y	S	
			SAM016	BOD (ATU)	60.6	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<5	ug/l	Y	S	
			SAM038TM	Calcium Tot	147.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,040	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	285	ug/l	Y	S	
			SAM009	COD (Total)	1,730	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	11,500	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	6.53	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<10	ug/l	Y	S	
			SAM038TM	Magnesium Tot	79.00	mg/l	Y	MCQ	



Test Certificate

Certificate: ECTC022346

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ085777	RL	30/09/2021	N/A	Manganese (tot.unfilt)	1,020	ug/l	Y	S	
			N/A	Mecoprop	39.2	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.2	ug/l	Y	S	
			N/A	Naphthalene	5.55	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	193	ug/l	Y	S	
			N/A	Organic Carbon, Total	736	mg/l	Y	S	
			SAM004	pH	7.58	Units	Y	MCQ	
			SAM038TM	Potassium Tot	568.00	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	1,400.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	200.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	16	mg/l	Y	MCQ	
			SAM031	TON as N	1.78	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	153	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	0.01	mg/l	Y	S	
			N/A	2-Isopropylphenol	0.02	mg/l	Y	S	
			N/A	Cresols	0.07	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	0.14	mg/l	N	S	
			N/A	Xylenols	0.04	mg/l	Y	S	

Time Sampled: 11:40
Sample Matrix: Landfill Leachate
Analysyt Comment:

MCQ085778	SW2	30/09/2021	SAM031	Alkalinity, Total	195	mg/l	Y	MCQ	8
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	1.16	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	135.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	24.2	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	26	mg/l	Y	MCQ	
			N/A	Copper (tot.unfilt)	5.09	ug/l	Y	S	
			MCQ- DO	Dissolved Oxygen	9.55	mg/l	N	MCQ	
			SAM005	Electrical Conductivity	1,100	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.16	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	53.90	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	21.8	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	6.8	ug/l	Y	S	
			N/A	Organic Carbon, Total	5.41	mg/l	Y	S	
			SAM004	pH	7.88	Units	Y	MCQ	
			SAM038TM	Potassium Tot	6.10	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	21.70	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	411.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	6	mg/l	Y	MCQ	
			SAM031	TON as N	1.09	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	



Test Certificate

Certificate: ECTC022346

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ085778	SW2	30/09/2021	N/A	Zinc (tot.unfilt)	6.09	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S	
			N/A	Cresols	<0.006	mg/l	N	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	N	S	
Time Sampled: 13:00	Sample Matrix:	Surface Water	Analysyt Comment:						
MCQ085779	SW3	30/09/2021	SAM031	Alkalinity, Total	176	mg/l	Y	MCQ	8
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	1.69	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	58.80	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	40.9	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	32	mg/l	Y	MCQ	
			N/A	Copper (tot.unfilt)	<1	ug/l	Y	S	
			MCQ- DO	Dissolved Oxygen	6.54	mg/l	N	MCQ	
			SAM005	Electrical Conductivity	553	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.255	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	16.40	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	58.1	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	1.32	ug/l	Y	S	
			N/A	Organic Carbon, Total	4.33	mg/l	Y	S	
			SAM004	pH	7.34	Units	Y	MCQ	
			SAM038TM	Potassium Tot	2.70	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	24.80	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	55.70	mg/l	Y	MCQ	
			SAM001	Suspended Solids	7	mg/l	Y	MCQ	
			SAM031	TON as N	0.14	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
			N/A	Zinc (tot.unfilt)	<5	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S	
			N/A	Cresols	<0.006	mg/l	N	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	N	S	



Test Certificate

Certificate: ECTC022346

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ085780	SW4	30/09/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	2.10	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	110.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	28.9	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	11.9	ug/l	Y	S	
			SAM009	COD (Total)	117	mg/l	Y	MCQ	
			N/A	Copper (tot.unfilt)	29	ug/l	Y	S	
			MCQ- DO	Dissolved Oxygen	9.07	mg/l	N	MCQ	
			SAM005	Electrical Conductivity	988	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	8.29	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	11.9	ug/l	Y	S	
			SAM038TM	Magnesium Tot	45.90	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	209	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Naphthalene	<0.01	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	18.1	ug/l	Y	S	
			N/A	Organic Carbon, Total	5.69	mg/l	Y	S	
			SAM004	pH	7.79	Units	Y	MCQ	
			SAM038TM	Potassium Tot	5.57	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	25.50	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	324.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	179	mg/l	Y	MCQ	
			SAM031	TON as N	0.96	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
			N/A	Zinc (tot.unfilt)	168	ug/l	Y	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S	
			N/A	Cresols	<0.006	mg/l	N	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	N	S	

Time Sampled:
13:20

Sample Matrix: Surface Water Analysyt Comment:

Sample Deviations Legend - Results may be compromised if the following deviations apply			
Comment	C	Incorrect Container	‡
Container with Headspace provided	8	Insufficient sample volume	È
BOD Overdiluted, therefore result indicative only	\$	BOD Underdiluted, therefore result indicative only	#
High Chloride concentration, COD could not be determined	§	Holding time exceeded due to sampled on date/time	@
Holding time exceeded in Lab	±	Holding time exceeded due to delayed instructions	&
Sample integrity Jeopardized in receipt	Ø		



Test Certificate

Certificate: ECTC022547

Issue No: 1

Bluesky Recovery
29 Auglish Road
Tandragee
Armagh
BT62 2EE

McQuillan Envirocare Ltd t/a McQuillan Environmental
Caulside Drive, New Park Industrial Estate
Antrim, BT41 2DU

Tel: (028) 9446 6708

Fax: (028) 9442 9580

www.mcquillancompanies.com
samplebooking@mcqcos.com

MCQ Job No	ORD-24031	Sample Receipt Date	28/10/2021
MCQ Quote Number	ECA-02563	Date Analysis Started	28/10/2021
Purchase Order Number	Lisbane Quarterly	Completion Date	11/11/2021
No of Samples	11	Turnaround Time	10

Dear [REDACTED]

Analysis of your sample(s) is now complete and we have pleasure in enclosing the appropriate test report.

All analysis was completed within McQuillan Environmental Analytical Laboratory (MCQ) unless otherwise specified. Results relate only to the items tested. Any analysis that was subcontracted to an approved laboratory is indicated by 'S'. Please refer to the table at the end of your test certificate for explanations of sample deviations.

Where sample data is provided by the customer, the results relate to the sample supplied and on the basis that this data is correct. Incorrect sampling dates and/or sample information will affect the validity of results. This Test Certificate supersedes any version previously issued by the laboratory. The report shall not be reproduced except in full without approval of the laboratory.

Should you have any queries regarding this report(s) or any part of our service, please contact Sample Booking on 028 9448 3195 who will be happy to discuss your requirements.

Thank you for using our Laboratory and we look forward to receiving your next samples.

Yours Sincerely

[REDACTED]

Report Authorised by: [REDACTED]

Position: Senior Lab Administrator

Date Issued: 11/11/2021

Addendum To Report:





Test Certificate

Certificate: ECTC022547

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ086432	BH4	27/10/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	23.8	mg/l	Y	MCQ	
			SAM009	COD (Total)	30	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,120	uS/cm	Y	MCQ	
			SAM004	pH	6.76	Units	Y	MCQ	
Time Sampled: 10:30	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ086433	BH5	27/10/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	29.6	mg/l	Y	MCQ	
			SAM009	COD (Total)	38	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,400	uS/cm	Y	MCQ	
			SAM004	pH	6.89	Units	Y	MCQ	
Time Sampled: 10:20	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ086434	BH6	27/10/2021	SAM031	Ammonia as N	1.28	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	19.1	mg/l	Y	MCQ	
			SAM009	COD (Total)	2,200	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	685	uS/cm	Y	MCQ	
			SAM004	pH	7.27	Units	Y	MCQ	
Time Sampled: 09:40	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ086435	BH6A	27/10/2021	SAM031	Ammonia as N	0.40	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	34.8	mg/l	Y	MCQ	
			SAM009	COD (Total)	27	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,020	uS/cm	Y	MCQ	
			SAM004	pH	7.02	Units	Y	MCQ	
Time Sampled: 09:30	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ086437	BH9	27/10/2021	SAM031	Ammonia as N	2.76	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	106	mg/l	Y	MCQ	
			SAM009	COD (Total)	82	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,810	uS/cm	Y	MCQ	
			SAM004	pH	6.88	Units	Y	MCQ	
Time Sampled: 13:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ086438	BH13	27/10/2021	SAM031	Ammonia as N	0.12	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	29.9	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	744	uS/cm	Y	MCQ	
			SAM004	pH	7.56	Units	Y	MCQ	



Test Certificate

Certificate: ECTC022547

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
Time Sampled: 10:50	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ086439	TL	27/10/2021	SAM031	Ammonia as N	176	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	18.6	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,410	mg/l	Y	MCQ	
			SAM009	COD (Total)	3,410	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	12,600	uS/cm	Y	MCQ	
			SAM004	pH	5.47	Units	Y	MCQ	
			SAM001	Suspended Solids	3,360	mg/l	Y	MCQ	
Time Sampled: 11:20	Sample Matrix:	Landfill Leachate	Analsyt Comment:						
MCQ086440	RL	27/10/2021	SAM031	Ammonia as N	215	mg/l	Y	MCQ	#@
			SAM016	BOD (ATU)	54.9	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,670	mg/l	Y	MCQ	
			SAM009	COD (Total)	8,020	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	12,400	uS/cm	Y	MCQ	
			SAM004	pH	5.60	Units	Y	MCQ	
			SAM001	Suspended Solids	3,370	mg/l	Y	MCQ	
Time Sampled: 11:40	Sample Matrix:	Landfill Leachate	Analsyt Comment:						
MCQ086441	SW2	27/10/2021	SAM031	Ammonia as N	0.12	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	2.32	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	21.0	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	626	uS/cm	Y	MCQ	
			SAM004	pH	7.44	Units	Y	MCQ	
			SAM001	Suspended Solids	15	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
Time Sampled: 12:00	Sample Matrix:	Surface Water	Analsyt Comment:						
MCQ086442	SW3	27/10/2021	SAM031	Ammonia as N	0.22	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	2.84	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	34.9	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	495	uS/cm	Y	MCQ	
			SAM004	pH	6.87	Units	Y	MCQ	
			SAM001	Suspended Solids	20	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
Time Sampled: 12:20	Sample Matrix:	Surface Water	Analsyt Comment:						
MCQ086443	SW4	27/10/2021	SAM031	Ammonia as N	0.11	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	2.53	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	23.9	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	617	uS/cm	Y	MCQ	
			SAM004	pH	7.46	Units	Y	MCO	



Test Certificate

Certificate: ECTC022547

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ086443	SW4	27/10/2021	SAM001	Suspended Solids	21	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 12:30
Sample Matrix: Surface Water
Analysyt Comment:

Sample Deviations Legend - Results may be compromised if the following deviations apply			
Comment	C	Incorrect Container	‡
Container with Headspace provided	8	Insufficient sample volume	È
BOD Overdiluted, therefore result indicative only	\$	BOD Underdiluted, therefore result indicative only	#
High Chloride concentration, COD could not be determined	§	Holding time exceeded due to sampled on date/time	@
Holding time exceeded in Lab	±	Holding time exceeded due to delayed instructions	&
Sample integrity Jeopardized in receipt	Ø		



Test Certificate

Certificate: ECTC022708

Issue No: 1

Bluesky Recovery
29 Auglish Road
Tandragee
Armagh
BT62 2EE

McQuillan Envirocare Ltd t/a McQuillan Environmental
Caulside Drive, New Park Industrial Estate
Antrim, BT41 2DU

Tel: (028) 9446 6708

Fax: (028) 9442 9580

www.mcquillancompanies.com
samplebooking@mcqcos.com

MCQ Job No	ORD-24192	Sample Receipt Date	18/11/2021
MCQ Quote Number	ECA-02563	Date Analysis Started	18/11/2021
Purchase Order Number	PO1262	Completion Date	02/12/2021
No of Samples	12	Turnaround Time	10

Dear [REDACTED]

Analysis of your sample(s) is now complete and we have pleasure in enclosing the appropriate test report.

All analysis was completed within McQuillan Environmental Analytical Laboratory (MCQ) unless otherwise specified. Results relate only to the items tested. Any analysis that was subcontracted to an approved laboratory is indicated by 'S'. Please refer to the table at the end of your test certificate for explanations of sample deviations.

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Should you have any queries regarding this report(s) or any part of our service, please contact Sample Booking on 028 9448 3195 who will be happy to discuss your requirements.

Thank you for using our Laboratory and we look forward to receiving your next samples.

Yours Sincerely

[REDACTED]

Report Authorised by: [REDACTED]

Position: Senior Lab Administrator

Date Issued: 2/12/2021

Addendum To Report:





Test Certificate

Certificate: ECTC022708

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ086977	BH4	17/11/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	19.6	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,130	uS/cm	Y	MCQ	
			SAM004	pH	6.82	Units	Y	MCQ	
Time Sampled: 10:40	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ086978	BH5	17/11/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	30.2	mg/l	Y	MCQ	
			SAM009	COD (Total)	35	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,430	uS/cm	Y	MCQ	
			SAM004	pH	6.93	Units	Y	MCQ	
Time Sampled: 10:30	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ086979	BH6	17/11/2021	SAM031	Ammonia as N	0.42	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	32.1	mg/l	Y	MCQ	
			SAM009	COD (Total)	422	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	897	uS/cm	Y	MCQ	
			SAM004	pH	7.17	Units	Y	MCQ	
Time Sampled: 10:00	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ086980	BH6A	17/11/2021	SAM031	Ammonia as N	0.49	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	34.4	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,040	uS/cm	Y	MCQ	
			SAM004	pH	7.03	Units	Y	MCQ	
Time Sampled: 09:40	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ086981	BH8	17/11/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	36.8	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,080	uS/cm	Y	MCQ	
			SAM004	pH	7.14	Units	Y	MCQ	
Time Sampled: 12:00	Sample Matrix:	Ground Water	Analsyt Comment:						
MCQ086982	BH9	17/11/2021	SAM031	Ammonia as N	0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	92.3	mg/l	Y	MCQ	
			SAM009	COD (Total)	91	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,820	uS/cm	Y	MCQ	
			SAM004	pH	6.86	Units	Y	MCQ	



Test Certificate

Certificate: ECTC022708

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
Time Sampled: 12:20	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ086983	BH13	17/11/2021	SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	38.1	mg/l	Y	MCQ	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	741	uS/cm	Y	MCQ	
			SAM004	pH	7.58	Units	Y	MCQ	
Time Sampled: 11:00	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ086984	TL	17/11/2021	SAM031	Ammonia as N	366	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	34.8	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,110	mg/l	Y	MCQ	
			SAM009	COD (Total)	1,580	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	13,900	uS/cm	Y	MCQ	
			SAM004	pH	7.78	Units	Y	MCQ	
			SAM001	Suspended Solids	42	mg/l	Y	MCQ	
Time Sampled: 11:40	Sample Matrix:	Landfill Leachate	Analysyt Comment:						
MCQ086985	RL	17/11/2021	SAM031	Ammonia as N	1,150	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	235	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,680	mg/l	Y	MCQ	
			SAM009	COD (Total)	2,090	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	16,800	uS/cm	Y	MCQ	
			SAM004	pH	7.62	Units	Y	MCQ	
			SAM001	Suspended Solids	18	mg/l	Y	MCQ	
Time Sampled: 11:20	Sample Matrix:	Landfill Leachate	Analysyt Comment:						
MCQ086986	SW2	17/11/2021	SAM031	Ammonia as N	77.2	mg/l	Y	MCQ	8@
			SAM016	BOD (ATU)	1.12	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	106	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	767	uS/cm	Y	MCQ	
			SAM004	pH	7.69	Units	Y	MCQ	
			SAM001	Suspended Solids	4	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
Time Sampled: 13:00	Sample Matrix:	Surface Water	Analysyt Comment:						
MCQ086987	SW3	17/11/2021	SAM031	Ammonia as N	5.68	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	42.5	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	498	uS/cm	Y	MCQ	
			SAM004	pH	7.36	Units	Y	MCQ	
			SAM001	Suspended Solids	14	mg/l	Y	MCQ	
			MCO- VOG	Visible Oil and Grease	<1	%	N	MCO	



Test Certificate

Certificate: ECTC022708

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
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Time Sampled: 13:20
Sample Matrix: Surface Water
Analysyt Comment:

MCQ086988	SW4	17/11/2021	SAM031	Ammonia as N	2.93	mg/l	Y	MCQ	@
			SAM016	BOD (ATU)	1.25	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	31.8	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	703	uS/cm	Y	MCQ	
			SAM004	pH	7.73	Units	Y	MCQ	
			SAM001	Suspended Solids	5	mg/l	Y	MCQ	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	

Time Sampled: 13:30
Sample Matrix: Surface Water
Analysyt Comment:

Sample Deviations Legend - Results may be compromised if the following deviations apply			
Comment	C	Incorrect Container	‡
Container with Headspace provided	8	Insufficient sample volume	È
BOD Overdiluted, therefore result indicative only	\$	BOD Underdiluted, therefore result indicative only	#
High Chloride concentration, COD could not be determined	§	Holding time exceeded due to sampled on date/time	@
Holding time exceeded in Lab	±	Holding time exceeded due to delayed instructions	&
Sample integrity Jeopardized in receipt	Ø		



Test Certificate

Certificate: ECTC022982

Issue No: 1

Bluesky Recovery
29 Auglish Road
Tandragee
Armagh
BT62 2EE

McQuillan Envirocare Ltd t/a McQuillan Environmental
Caulside Drive, New Park Industrial Estate
Antrim, BT41 2DU

Tel: (028) 9446 6708

Fax: (028) 9442 9580

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samplebooking@mcqcos.com

MCQ Job No	ORD-24467	Sample Receipt Date	16/12/2021
MCQ Quote Number	ECA-02563	Date Analysis Started	16/12/2021
Purchase Order Number	Lisbane Annual	Completion Date	07/01/2022
No of Samples	12	Turnaround Time	10

Dear [REDACTED]

Analysis of your sample(s) is now complete and we have pleasure in enclosing the appropriate test report.

All analysis was completed within McQuillan Environmental Analytical Laboratory (MCQ) unless otherwise specified. Results relate only to the items tested. Any analysis that was subcontracted to an approved laboratory is indicated by 'S'. Please refer to the table at the end of your test certificate for explanations of sample deviations.

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Should you have any queries regarding this report(s) or any part of our service, please contact Sample Booking on 028 9448 3195 who will be happy to discuss your requirements.

Thank you for using our Laboratory and we look forward to receiving your next samples.

Yours Sincerely

[REDACTED]

Report Authorised by: [REDACTED]

Position: Senior Lab Administrator

Date Issued: 7/1/2022

Addendum To Report:





Test Certificate

Certificate: ECTC022982

Issue No: 1

Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087992	BH4	14/12/2021	SAM031	Alkalinity, Total	614	mg/l	Y	MCQ	8@
			SAM031	Ammonia as N	0.16	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	171.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	26.2	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	26	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,160	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	1.84	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	45.00	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	1,720	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	< 0.50	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	25.3	ug/l	Y	S	
			SAM004	pH	6.73	Units	Y	MCQ	
			SAM038TM	Potassium Tot	4.93	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	15.60	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	211.00	mg/l	Y	MCQ	
			SAM031	TON as N	1.03	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	81	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	8.33	ug/l	Y	S	
			N/A	1,1,1,2-Tetrachloroethane	< 2.0	ug/l	N	S	
			N/A	1,1,1-Trichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1,2-Trichloroethane	< 10	ug/l	N	S	
			N/A	1,1-Dichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloropropene	< 1.0	ug/l	N	S	
			N/A	1,2,3-Trichlorobenzene	< 2.0	ug/l	N	S	
			N/A	1,2,3-Trichloropropane	< 50	ug/l	N	S	
			N/A	1,2,4-Trichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2,4-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,2-Dibromo-3-Chloropropane	< 50	ug/l	N	S	
			N/A	1,2-Dibromoethane	< 5	ug/l	N	S	
			N/A	1,2-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2-Dichloroethane	< 2.0	ug/l	N	S	
			N/A	1,2-Dichloropropane	< 1.0	ug/l	N	S	
			N/A	1,3,5-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,3-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,3-Dichloropropane	< 2.0	ug/l	N	S	
			N/A	1,4-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	2,3,4,5-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5-Trichlorophenol	< 0.20	ug/l	N	S	



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MCQ087992	BH4	14/12/2021	N/A	2,3,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dimethylphenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2,6-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,6-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2-Chloronaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Chlorophenol	< 0.20	ug/l	N	S	
			N/A	2-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	2-Methyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Methylnaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Methylphenol (o-Cresol)	< 0.20	ug/l	N	S	
			N/A	2-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	2-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Sec-Butyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	3,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	3-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4,4-DDD	< 0.20	ug/l	N	S	
			N/A	4,4-DDE	< 0.20	ug/l	N	S	
			N/A	4,4-DDT	< 0.20	ug/l	N	S	
			N/A	4-Bromophenylphenyl Ether	< 0.50	ug/l	N	S	
			N/A	4-Chloro-3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Chloroaniline	< 0.50	ug/l	N	S	
			N/A	4-Chlorophenylphenylether	< 0.50	ug/l	N	S	
			N/A	4-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	4-Isopropyltoluene	< 1.0	ug/l	N	S	
			N/A	4-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	Acenaphthene	< 0.50	ug/l	N	S	
			N/A	Acenaphthylene	< 0.50	ug/l	N	S	
			N/A	Aldrin	< 0.20	ug/l	N	S	
			N/A	Alpha-Chlordane	< 0.20	ug/l	N	S	
			N/A	Alpha-HCH	< 0.20	ug/l	N	S	
			N/A	Ametryn	< 0.20	ug/l	N	S	
			N/A	Anthracene	< 0.50	ug/l	N	S	
			N/A	Atraton	< 0.20	ug/l	N	S	
			N/A	Atrazine	< 0.20	ug/l	N	S	
			N/A	Azinphos-ethyl	< 0.20	ug/l	N	S	
			N/A	Azinphos-Methyl	< 0.20	ug/l	N	S	
			N/A	Azobenzene	< 0.50	ug/l	N	S	
			N/A	Benzene	< 1.0	ug/l	Y	S	
			N/A	Benzo[a]anthracene	< 0.50	ug/l	N	S	
			N/A	Benzo[a]pyrene	< 0.50	ug/l	N	S	
			N/A	Benzo[b]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Benzo[g,h,i]perylene	< 0.50	ug/l	N	S	



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MCQ087992	BH4	14/12/2021	N/A	Benzo[k]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Beta-HCH	< 0.20	ug/l	N	S	
			N/A	Bis(2-Chloroethoxy)Methane	< 0.50	ug/l	N	S	
			N/A	Bis-(2-Chloroethyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Chloroisopropyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Ethylhexyl)Phthalate	< 0.50	ug/l	N	S	
			N/A	Bromobenzene	< 1.0	ug/l	N	S	
			N/A	Bromochloromethane	< 5	ug/l	N	S	
			N/A	Bromodichloromethane	< 5	ug/l	N	S	
			N/A	Bromomethane	< 5	ug/l	N	S	
			N/A	Bromoxynil	< 0.50	ug/l	N	S	
			N/A	Butylbenzyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Cadmium (Total)	< 0.11	ug/l	N	S	
			N/A	Carbazole	< 0.50	ug/l	N	S	
			N/A	Carbon Tetrachloride	< 10	ug/l	N	S	
			N/A	Carbophenothion	< 0.50	ug/l	N	S	
			N/A	Chlorfenvinphos	< 0.20	ug/l	N	S	
			N/A	Chlorobenzene	< 1.0	ug/l	N	S	
			N/A	Chloroethane	< 2.0	ug/l	N	S	
			N/A	Chloroform	< 10	ug/l	N	S	
			N/A	Chloromethane	< 1.0	ug/l	N	S	
			N/A	Chlorothalonil	< 0.50	ug/l	N	S	
			N/A	Chlorpynifos	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos-methyl	< 0.20	ug/l	N	S	
			N/A	Chrysene	< 0.50	ug/l	Y	S	
			N/A	cis 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	cis-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Coumaphos	< 0.20	ug/l	N	S	
			N/A	Delta-HCH	< 0.20	ug/l	N	S	
			N/A	Demeton-O	< 0.20	ug/l	N	S	
			N/A	Demeton-S	< 0.20	ug/l	N	S	
			N/A	Diazinon	< 0.50	ug/l	N	S	
			N/A	Dibenz(a,h)Anthracene	< 0.50	ug/l	N	S	
			N/A	Dibenzofuran	< 0.50	ug/l	N	S	
			N/A	Dibromochloromethane	< 10	ug/l	N	S	
			N/A	Dibromomethane	< 10	ug/l	N	S	
			N/A	Dibutyl Tin	< 0.050	ug/l	N	S	
			N/A	Dichlorodifluoromethane	< 1.0	ug/l	N	S	
			N/A	Dichlorvos	< 0.50	ug/l	N	S	
			N/A	Dieldrin	< 0.20	ug/l	N	S	
			N/A	Diethyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dimethoate	< 0.20	ug/l	N	S	
			N/A	Dimethylphthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Butyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Octyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dinoseb	< 1.0	ug/l	N	S	
			N/A	Disulfoton	< 1.0	ug/l	N	S	
			N/A	Endosulfan I	< 0.20	ug/l	N	S	
			N/A	Endosulfan II	< 0.20	ug/l	N	S	



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MCQ087992	BH4	14/12/2021	N/A	Endosulfan Sulphate	< 0.20	ug/l	N	S	
			N/A	Endrin	< 0.20	ug/l	N	S	
			N/A	Endrin Aldehyde	< 0.20	ug/l	N	S	
			N/A	Endrin Ketone	< 0.20	ug/l	N	S	
			N/A	Ethion	< 0.50	ug/l	N	S	
			N/A	Ethylbenzene	< 1.0	ug/l	Y	S	
			N/A	Etrimphos	< 0.20	ug/l	N	S	
			N/A	Fenitrothion	< 0.20	ug/l	N	S	
			N/A	Fensulphothion	< 0.20	ug/l	N	S	
			N/A	Fenthion	< 0.20	ug/l	N	S	
			N/A	Fluoranthene	< 0.50	ug/l	N	S	
			N/A	Fluorene	< 0.50	ug/l	N	S	
			N/A	Gamma-Chlordane	< 0.20	ug/l	N	S	
			N/A	Gamma-Lindane	< 0.20	ug/l	N	S	
			N/A	Heptachlor	< 0.20	ug/l	N	S	
			N/A	Heptachlor Epoxide	< 0.20	ug/l	N	S	
			N/A	Hexachlorobenzene	< 0.50	ug/l	N	S	
			N/A	Hexachlorobutadiene	< 0.50	ug/l	N	S	
			N/A	Hexachlorocyclopentadiene	< 0.50	ug/l	N	S	
			N/A	Hexachloroethane	< 0.50	ug/l	N	S	
			N/A	Indeno(1,2,3-c,d)Pyrene	< 0.50	ug/l	N	S	
			N/A	Ioxynil	< 0.50	ug/l	N	S	
			N/A	Isophorone	< 0.50	ug/l	N	S	
			N/A	Isopropylbenzene	< 1.0	ug/l	N	S	
			N/A	List 1 CT (McQuillan)		-			
			N/A	m & p-Xylene	< 1.0	ug/l	N	S	
			N/A	Malathion	< 0.20	ug/l	N	S	
			N/A	Mercury (Total)	< 0.05	ug/l	N	S	
			N/A	Methoxychlor	< 0.20	ug/l	N	S	
			N/A	Methyl parathion	< 1.0	ug/l	N	S	
			N/A	Methyl Tert-Butyl Ether	< 1.0	ug/l	N	S	
			N/A	Mevinphos	< 0.20	ug/l	N	S	
			N/A	Mineral Oil	< 10	ug/l	N	S	
			N/A	Naphthalene	< 0.01	ug/l	N	S	
			N/A	N-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Nitrobenzene	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodimethylamine	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodi-n-propylamine	< 0.50	ug/l	N	S	
			N/A	N-Propylbenzene	< 1.0	ug/l	N	S	
			N/A	o-Xylene	< 1.0	ug/l	Y	S	
			N/A	Parathion	< 0.20	ug/l	N	S	
			N/A	Pendimethalin	< 5	ug/l	N	S	
			N/A	Pentachlorophenol	< 0.20	ug/l	N	S	
			N/A	Permethrin	< 0.50	mg/l	N	S	
			N/A	Phenanthrene	< 0.50	ug/l	N	S	
			N/A	Phenol	< 0.20	ug/l	Y	S	
			N/A	Phorate	< 0.20	ug/l	N	S	
			N/A	Phosalone	< 0.20	ug/l	N	S	
			N/A	Prometon	< 0.20	ug/l	N	S	



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MCQ087992	BH4	14/12/2021	N/A	Prometryn	< 0.20	ug/l	N	S	
			N/A	Propazine	< 0.20	ug/l	N	S	
			N/A	Propetamphos	< 0.20	ug/l	N	S	
			N/A	Prothiofos	< 0.20	ug/l	N	S	
			N/A	Pyrene	< 0.50	ug/l	N	S	
			N/A	Qunitozene	< 5	ug/l	N	S	
			N/A	Secbumeton	< 0.20	ug/l	N	S	
			N/A	Sec-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Simazine	< 0.20	ug/l	N	S	
			N/A	Simetryn	< 0.20	ug/l	N	S	
			N/A	Styrene	< 1.0	ug/l	N	S	
			N/A	Sulprofos	< 0.20	ug/l	N	S	
			N/A	Tecnazene	< 5	ug/l	N	S	
			N/A	Terbuthylazine	< 0.20	ug/l	N	S	
			N/A	Terbutryn	< 0.20	ug/l	N	S	
			N/A	Tert-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Tetrachloroethene	< 1.0	ug/l	N	S	
			N/A	Tetrachloromethane	< 1.0	ug/l	N	S	
			N/A	Toluene	< 1.0	ug/l	Y	S	
			N/A	Total Phenols	< 5.0	ug/l	Y	S	
			N/A	Trans 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	Trans-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Triallate	< 0.20	ug/l	N	S	
			N/A	Triazophos	< 0.20	ug/l	N	S	
			N/A	Tribromomethane	< 1.0	ug/l	N	S	
			N/A	Tributyl Tin	< 0.050	ug/l	N	S	
			N/A	Trichloroethene	< 1.0	ug/l	N	S	
			N/A	Trichlorofluoromethane	< 1.0	ug/l	N	S	
			N/A	Trichloromethane	< 1.0	ug/l	N	S	
			N/A	Trichloronate	< 0.20	ug/l	N	S	
			N/A	Trifluralin	< 0.20	ug/l	N	S	
			N/A	Triphenyl Tin	< 0.050	ug/l	N	S	
			N/A	Vinyl Chloride	< 1.0	ug/l	N	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 10:00
Sample Matrix: Ground Water
Analysyt Comment:

MCQ087993	BH5	14/12/2021	SAM031	Alkalinity, Total	180	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	1.08	mg/l	Y	MCQ	8@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	191.00	mg/l	Y	MCQ	



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MCQ087993	BH5	14/12/2021	SAM031	Chloride as Cl	31.8	mg/l	Y	MCQ	@
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	32	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	1,340	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	1.84	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	2.24	ug/l	Y	S	
			SAM038TM	Magnesium Tot	37.40	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	224	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	< 0.50	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	10.1	ug/l	Y	S	
			SAM004	pH	6.94	Units	Y	MCQ	
			SAM038TM	Potassium Tot	9.67	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	29.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	503.00	mg/l	Y	MCQ	
			SAM031	TON as N	2.17	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	46	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	16.6	ug/l	Y	S	
			N/A	1,1,1,2-Tetrachloroethane	< 2.0	ug/l	N	S	
			N/A	1,1,1-Trichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1,2-Trichloroethane	< 10	ug/l	N	S	
			N/A	1,1-Dichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloropropene	< 1.0	ug/l	N	S	
			N/A	1,2,3-Trichlorobenzene	< 2.0	ug/l	N	S	
			N/A	1,2,3-Trichloropropane	< 50	ug/l	N	S	
			N/A	1,2,4-Trichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2,4-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,2-Dibromo-3-Chloropropane	< 50	ug/l	N	S	
			N/A	1,2-Dibromoethane	< 5	ug/l	N	S	
			N/A	1,2-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2-Dichloroethane	< 2.0	ug/l	N	S	
			N/A	1,2-Dichloropropane	< 1.0	ug/l	N	S	
			N/A	1,3,5-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,3-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,3-Dichloropropane	< 2.0	ug/l	N	S	
			N/A	1,4-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	2,3,4,5-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dimethylphenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dinitrotoluene	< 0.50	ug/l	N	S	



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MCQ087993	BH5	14/12/2021	N/A	2,6-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,6-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2-Chloronaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Chlorophenol	< 0.20	ug/l	N	S	
			N/A	2-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	2-Methyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Methylnaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Methylphenol (o-Cresol)	< 0.20	ug/l	N	S	
			N/A	2-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	2-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Sec-Butyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	3,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	3-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4,4-DDD	< 0.20	ug/l	N	S	
			N/A	4,4-DDE	< 0.20	ug/l	N	S	
			N/A	4,4-DDT	< 0.20	ug/l	N	S	
			N/A	4-Bromophenylphenyl Ether	< 0.50	ug/l	N	S	
			N/A	4-Chloro-3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Chloroaniline	< 0.50	ug/l	N	S	
			N/A	4-Chlorophenylphenylether	< 0.50	ug/l	N	S	
			N/A	4-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	4-Isopropyltoluene	< 1.0	ug/l	N	S	
			N/A	4-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	Acenaphthene	< 0.50	ug/l	N	S	
			N/A	Acenaphthylene	< 0.50	ug/l	N	S	
			N/A	Aldrin	< 0.20	ug/l	N	S	
			N/A	Alpha-Chlordane	< 0.20	ug/l	N	S	
			N/A	Alpha-HCH	< 0.20	ug/l	N	S	
			N/A	Ametryn	< 0.20	ug/l	N	S	
			N/A	Anthracene	< 0.50	ug/l	N	S	
			N/A	Atraton	< 0.20	ug/l	N	S	
			N/A	Atrazine	< 0.20	ug/l	N	S	
			N/A	Azinphos-ethyl	< 0.20	ug/l	N	S	
			N/A	Azinphos-Methyl	< 0.20	ug/l	N	S	
			N/A	Azobenzene	< 0.50	ug/l	N	S	
			N/A	Benzene	< 1.0	ug/l	Y	S	
			N/A	Benzo[a]anthracene	< 0.50	ug/l	N	S	
			N/A	Benzo[a]pyrene	< 0.50	ug/l	N	S	
			N/A	Benzo[b]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Benzo[g,h,i]perylene	< 0.50	ug/l	N	S	
			N/A	Benzo[k]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Beta-HCH	< 0.20	ug/l	N	S	
			N/A	Bis(2-Chloroethoxy)Methane	< 0.50	ug/l	N	S	
			N/A	Bis-(2-Chloroethyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Chloroisopropyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Ethylhexyl)Phthalate	< 0.50	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087993	BH5	14/12/2021	N/A	Bromobenzene	< 1.0	ug/l	N	S	
			N/A	Bromochloromethane	< 5	ug/l	N	S	
			N/A	Bromodichloromethane	< 5	ug/l	N	S	
			N/A	Bromomethane	< 5	ug/l	N	S	
			N/A	Bromoxynil	< 0.50	ug/l	N	S	
			N/A	Butylbenzyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Cadmium (Total)	< 0.11	ug/l	N	S	
			N/A	Carbazole	< 0.50	ug/l	N	S	
			N/A	Carbon Tetrachloride	< 10	ug/l	N	S	
			N/A	Carbophenothion	< 0.50	ug/l	N	S	
			N/A	Chlorfenvinphos	< 0.20	ug/l	N	S	
			N/A	Chlorobenzene	< 1.0	ug/l	N	S	
			N/A	Chloroethane	< 2.0	ug/l	N	S	
			N/A	Chloroform	< 10	ug/l	N	S	
			N/A	Chloromethane	< 1.0	ug/l	N	S	
			N/A	Chlorothalonil	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos-methyl	< 0.20	ug/l	N	S	
			N/A	Chrysene	< 0.50	ug/l	Y	S	
			N/A	cis 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	cis-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Coumaphos	< 0.20	ug/l	N	S	
			N/A	Delta-HCH	< 0.20	ug/l	N	S	
			N/A	Demeton-O	< 0.20	ug/l	N	S	
			N/A	Demeton-S	< 0.20	ug/l	N	S	
			N/A	Diazinon	< 0.50	ug/l	N	S	
			N/A	Dibenz(a,h)Anthracene	< 0.50	ug/l	N	S	
			N/A	Dibenzofuran	< 0.50	ug/l	N	S	
			N/A	Dibromochloromethane	< 10	ug/l	N	S	
			N/A	Dibromomethane	< 10	ug/l	N	S	
			N/A	Dibutyl Tin	< 0.050	ug/l	N	S	
			N/A	Dichlorodifluoromethane	< 1.0	ug/l	N	S	
			N/A	Dichlorvos	< 0.50	ug/l	N	S	
			N/A	Dieldrin	< 0.20	ug/l	N	S	
			N/A	Diethyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dimethoate	< 0.20	ug/l	N	S	
			N/A	Dimethylphthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Butyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Octyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dinoseb	< 1.0	ug/l	N	S	
			N/A	Disulfoton	< 1.0	ug/l	N	S	
			N/A	Endosulfan I	< 0.20	ug/l	N	S	
			N/A	Endosulfan II	< 0.20	ug/l	N	S	
			N/A	Endosulfan Sulphate	< 0.20	ug/l	N	S	
			N/A	Endrin	< 0.20	ug/l	N	S	
			N/A	Endrin Aldehyde	< 0.20	ug/l	N	S	
			N/A	Endrin Ketone	< 0.20	ug/l	N	S	
			N/A	Ethion	< 0.50	ug/l	N	S	
			N/A	Ethylbenzene	< 1.0	ug/l	Y	S	



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MCQ087993	BH5	14/12/2021	N/A	Etrimpfos	< 0.20	ug/l	N	S	
			N/A	Fenitrothion	< 0.20	ug/l	N	S	
			N/A	Fensulphothion	< 0.20	ug/l	N	S	
			N/A	Fenthion	< 0.20	ug/l	N	S	
			N/A	Fluoranthene	< 0.50	ug/l	N	S	
			N/A	Fluorene	< 0.50	ug/l	N	S	
			N/A	Gamma-Chlordane	< 0.20	ug/l	N	S	
			N/A	Gamma-Lindane	< 0.20	ug/l	N	S	
			N/A	Heptachlor	< 0.20	ug/l	N	S	
			N/A	Heptachlor Epoxide	< 0.20	ug/l	N	S	
			N/A	Hexachlorobenzene	< 0.50	ug/l	N	S	
			N/A	Hexachlorobutadiene	< 0.50	ug/l	N	S	
			N/A	Hexachlorocyclopentadiene	< 0.50	ug/l	N	S	
			N/A	Hexachloroethane	< 0.50	ug/l	N	S	
			N/A	Indeno(1,2,3-c,d)Pyrene	< 0.50	ug/l	N	S	
			N/A	Ioxynil	< 0.50	ug/l	N	S	
			N/A	Isophorone	< 0.50	ug/l	N	S	
			N/A	Isopropylbenzene	< 1.0	ug/l	N	S	
			N/A	List 1 CT (McQuillan)	-				
			N/A	m & p-Xylene	< 1.0	ug/l	N	S	
			N/A	Malathion	< 0.20	ug/l	N	S	
			N/A	Mercury (Total)	< 0.05	ug/l	N	S	
			N/A	Methoxychlor	< 0.20	ug/l	N	S	
			N/A	Methyl parathion	< 1.0	ug/l	N	S	
			N/A	Methyl Tert-Butyl Ether	< 1.0	ug/l	N	S	
			N/A	Mevinphos	< 0.20	ug/l	N	S	
			N/A	Mineral Oil	< 10	ug/l	N	S	
			N/A	Naphthalene	< 0.01	ug/l	N	S	
			N/A	N-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Nitrobenzene	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodimethylamine	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodi-n-propylamine	< 0.50	ug/l	N	S	
			N/A	N-Propylbenzene	< 1.0	ug/l	N	S	
			N/A	o-Xylene	< 1.0	ug/l	Y	S	
			N/A	Parathion	< 0.20	ug/l	N	S	
			N/A	Pendimethalin	< 5	ug/l	N	S	
			N/A	Pentachlorophenol	< 0.20	ug/l	N	S	
			N/A	Permethrin	< 0.50	mg/l	N	S	
			N/A	Phenanthrene	< 0.50	ug/l	N	S	
			N/A	Phenol	< 0.20	ug/l	Y	S	
			N/A	Phorate	< 0.20	ug/l	N	S	
			N/A	Phosalone	< 0.20	ug/l	N	S	
			N/A	Prometon	< 0.20	ug/l	N	S	
			N/A	Prometryn	< 0.20	ug/l	N	S	
			N/A	Propazine	< 0.20	ug/l	N	S	
			N/A	Propetamphos	< 0.20	ug/l	N	S	
			N/A	Prothiofos	< 0.20	ug/l	N	S	
			N/A	Pyrene	< 0.50	ug/l	N	S	
			N/A	Qunitozene	< 5	ug/l	N	S	



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MCQ087993	BH5	14/12/2021	N/A	Sebumenton	< 0.20	ug/l	N	S	
			N/A	Sec-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Simazine	< 0.20	ug/l	N	S	
			N/A	Simetryn	< 0.20	ug/l	N	S	
			N/A	Styrene	< 1.0	ug/l	N	S	
			N/A	Sulprofos	< 0.20	ug/l	N	S	
			N/A	Tecnazene	< 5	ug/l	N	S	
			N/A	Terbutylazine	< 0.20	ug/l	N	S	
			N/A	Terbutryn	< 0.20	ug/l	N	S	
			N/A	Tert-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Tetrachloroethene	< 1.0	ug/l	N	S	
			N/A	Tetrachloromethane	< 1.0	ug/l	N	S	
			N/A	Toluene	< 1.0	ug/l	Y	S	
			N/A	Total Phenols	< 5.0	ug/l	Y	S	
			N/A	Trans 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	Trans-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Triallate	< 0.20	ug/l	N	S	
			N/A	Triazophos	< 0.20	ug/l	N	S	
			N/A	Tribromomethane	< 1.0	ug/l	N	S	
			N/A	Tributyl Tin	< 0.050	ug/l	N	S	
			N/A	Trichloroethene	< 1.0	ug/l	N	S	
			N/A	Trichlorofluoromethane	< 1.0	ug/l	N	S	
			N/A	Trichloromethane	< 1.0	ug/l	N	S	
			N/A	Trichloronate	< 0.20	ug/l	N	S	
			N/A	Trifluralin	< 0.20	ug/l	N	S	
			N/A	Triphenyl Tin	< 0.050	ug/l	N	S	
			N/A	Vinyl Chloride	< 1.0	ug/l	N	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 09:40
Sample Matrix: Ground Water
Analysyt Comment:

MCQ087994	BH6	14/12/2021	SAM031	Alkalinity, Total	203	mg/l	Y	MCQ	
			SAM031	Ammonia as N	0.50	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	274	ug/l	Y	S	
			SAM016	BOD (ATU)	116	mg/l	Y	MCQ	8@
			N/A	Cadmium (tot.unfilt)	<30	ug/l	Y	S	
			SAM038TM	Calcium Tot	1,620.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	25.8	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	1,450	ug/l	Y	S	
			SAM009	COD (Total)	NR	mg/l	Y	MCQ	C@
			SAM005	Electrical Conductivity	866	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	1,290	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	1,540	ug/l	Y	S	



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MCQ087994	BH6	14/12/2021	SAM038TM	Magnesium Tot	2,150.00	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	63,600	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	0.366	ug/l	Y	S	
			N/A	Naphthalene	< 0.50	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	3,670	ug/l	Y	S	
			SAM004	pH	7.24	Units	Y	MCQ	
			SAM038TM	Potassium Tot	153.00	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	49.50	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	234.00	mg/l	Y	MCQ	
			SAM031	TON as N	1.07	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	48	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	7,250	ug/l	Y	S	
			N/A	1,1,1,2-Tetrachloroethane	< 2.0	ug/l	N	S	
			N/A	1,1,1-Trichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1,2-Trichloroethane	< 10	ug/l	N	S	
			N/A	1,1-Dichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloropropene	< 1.0	ug/l	N	S	
			N/A	1,2,3-Trichlorobenzene	< 2.0	ug/l	N	S	
			N/A	1,2,3-Trichloropropane	< 50	ug/l	N	S	
			N/A	1,2,4-Trichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2,4-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,2-Dibromo-3-Chloropropane	< 50	ug/l	N	S	
			N/A	1,2-Dibromoethane	< 5	ug/l	N	S	
			N/A	1,2-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2-Dichloroethane	< 2.0	ug/l	N	S	
			N/A	1,2-Dichloropropane	< 1.0	ug/l	N	S	
			N/A	1,3,5-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,3-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,3-Dichloropropane	< 2.0	ug/l	N	S	
			N/A	1,4-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	2,3,4,5-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dimethylphenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2,6-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,6-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2-Chloronaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Chlorophenol	< 0.20	ug/l	N	S	
			N/A	2-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	2-Methyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	



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MCQ087994	BH6	14/12/2021	N/A	2-Methylnaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Methylphenol (o-Cresol)	< 0.20	ug/l	N	S	
			N/A	2-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	2-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Sec-Butyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	3,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	3-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4,4-DDD	< 0.20	ug/l	N	S	
			N/A	4,4-DDE	< 0.20	ug/l	N	S	
			N/A	4,4-DDT	< 0.20	ug/l	N	S	
			N/A	4-Bromophenylphenyl Ether	< 0.50	ug/l	N	S	
			N/A	4-Chloro-3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Chloroaniline	< 0.50	ug/l	N	S	
			N/A	4-Chlorophenylphenylether	< 0.50	ug/l	N	S	
			N/A	4-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	4-Isopropyltoluene	< 1.0	ug/l	N	S	
			N/A	4-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	Acenaphthene	< 0.50	ug/l	N	S	
			N/A	Acenaphthylene	< 0.50	ug/l	N	S	
			N/A	Aldrin	< 0.20	ug/l	N	S	
			N/A	Alpha-Chlordane	< 0.20	ug/l	N	S	
			N/A	Alpha-HCH	< 0.20	ug/l	N	S	
			N/A	Ametryn	< 0.20	ug/l	N	S	
			N/A	Anthracene	< 0.50	ug/l	N	S	
			N/A	Atraton	< 0.20	ug/l	N	S	
			N/A	Atrazine	< 0.20	ug/l	N	S	
			N/A	Azinphos-ethyl	< 0.20	ug/l	N	S	
			N/A	Azinphos-Methyl	< 0.20	ug/l	N	S	
			N/A	Azobenzene	< 0.50	ug/l	N	S	
			N/A	Benzene	< 1.0	ug/l	Y	S	
			N/A	Benzo[a]anthracene	< 0.50	ug/l	N	S	
			N/A	Benzo[a]pyrene	< 0.50	ug/l	N	S	
			N/A	Benzo[b]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Benzo[g,h,i]perylene	< 0.50	ug/l	N	S	
			N/A	Benzo[k]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Beta-HCH	< 0.20	ug/l	N	S	
			N/A	Bis(2-Chloroethoxy)Methane	< 0.50	ug/l	N	S	
			N/A	Bis-(2-Chloroethyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Chloroisopropyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Ethylhexyl)Phthalate	< 0.50	ug/l	N	S	
			N/A	Bromobenzene	< 1.0	ug/l	N	S	
			N/A	Bromochloromethane	< 5	ug/l	N	S	
			N/A	Bromodichloromethane	< 5	ug/l	N	S	
			N/A	Bromomethane	< 5	ug/l	N	S	
			N/A	Bromoxynil	< 0.50	ug/l	N	S	
			N/A	Butylbenzyl Phthalate	< 0.50	ug/l	N	S	



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MCQ087994	BH6	14/12/2021	N/A	Cadmium (Total)	< 0.11	ug/l	N	S	
			N/A	Carbazole	< 0.50	ug/l	N	S	
			N/A	Carbon Tetrachloride	< 10	ug/l	N	S	
			N/A	Carbophenothion	< 0.50	ug/l	N	S	
			N/A	Chlorfenvinphos	< 0.20	ug/l	N	S	
			N/A	Chlorobenzene	< 1.0	ug/l	N	S	
			N/A	Chloroethane	< 2.0	ug/l	N	S	
			N/A	Chloroform	< 10	ug/l	N	S	
			N/A	Chloromethane	< 1.0	ug/l	N	S	
			N/A	Chlorothalonil	< 0.50	ug/l	N	S	
			N/A	Chlorpynifos	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos-methyl	< 0.20	ug/l	N	S	
			N/A	Chrysene	< 0.50	ug/l	Y	S	
			N/A	cis 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	cis-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Coumaphos	< 0.20	ug/l	N	S	
			N/A	Delta-HCH	< 0.20	ug/l	N	S	
			N/A	Demeton-O	< 0.20	ug/l	N	S	
			N/A	Demeton-S	< 0.20	ug/l	N	S	
			N/A	Diazinon	< 0.50	ug/l	N	S	
			N/A	Dibenz(a,h)Anthracene	< 0.50	ug/l	N	S	
			N/A	Dibenzofuran	< 0.50	ug/l	N	S	
			N/A	Dibromochloromethane	< 10	ug/l	N	S	
			N/A	Dibromomethane	< 10	ug/l	N	S	
			N/A	Dibutyl Tin	< 0.050	ug/l	N	S	
			N/A	Dichlorodifluoromethane	< 1.0	ug/l	N	S	
			N/A	Dichlorvos	< 0.50	ug/l	N	S	
			N/A	Dieldrin	< 0.20	ug/l	N	S	
			N/A	Diethyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dimethoate	< 0.20	ug/l	N	S	
			N/A	Dimethylphthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Butyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Octyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dinoseb	< 1.0	ug/l	N	S	
			N/A	Disulfoton	< 1.0	ug/l	N	S	
			N/A	Endosulfan I	< 0.20	ug/l	N	S	
			N/A	Endosulfan II	< 0.20	ug/l	N	S	
			N/A	Endosulfan Sulphate	< 0.20	ug/l	N	S	
			N/A	Endrin	< 0.20	ug/l	N	S	
			N/A	Endrin Aldehyde	< 0.20	ug/l	N	S	
			N/A	Endrin Ketone	< 0.20	ug/l	N	S	
			N/A	Ethion	< 0.50	ug/l	N	S	
			N/A	Ethylbenzene	< 1.0	ug/l	Y	S	
			N/A	Etrimphos	< 0.20	ug/l	N	S	
			N/A	Fenitrothion	< 0.20	ug/l	N	S	
			N/A	Fensulphothion	< 0.20	ug/l	N	S	
			N/A	Fenthion	< 0.20	ug/l	N	S	
			N/A	Fluoranthene	< 0.50	ug/l	N	S	
			N/A	Fluorene	< 0.50	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087994	BH6	14/12/2021	N/A	Gamma-Chlordane	< 0.20	ug/l	N	S	
			N/A	Gamma-Lindane	< 0.20	ug/l	N	S	
			N/A	Heptachlor	< 0.20	ug/l	N	S	
			N/A	Heptachlor Epoxide	< 0.20	ug/l	N	S	
			N/A	Hexachlorobenzene	< 0.50	ug/l	N	S	
			N/A	Hexachlorobutadiene	< 0.50	ug/l	N	S	
			N/A	Hexachlorocyclopentadiene	< 0.50	ug/l	N	S	
			N/A	Hexachloroethane	< 0.50	ug/l	N	S	
			N/A	Indeno(1,2,3-c,d)Pyrene	< 0.50	ug/l	N	S	
			N/A	Ioxynil	< 0.50	ug/l	N	S	
			N/A	Isophorone	< 0.50	ug/l	N	S	
			N/A	Isopropylbenzene	< 1.0	ug/l	N	S	
			N/A	List 1 CT (McQuillan)	-				
			N/A	m & p-Xylene	< 1.0	ug/l	N	S	
			N/A	Malathion	< 0.20	ug/l	N	S	
			N/A	Mercury (Total)	< 0.05	ug/l	N	S	
			N/A	Methoxychlor	< 0.20	ug/l	N	S	
			N/A	Methyl parathion	< 1.0	ug/l	N	S	
			N/A	Methyl Tert-Butyl Ether	< 1.0	ug/l	N	S	
			N/A	Mevinphos	< 0.20	ug/l	N	S	
			N/A	Mineral Oil	< 10	ug/l	N	S	
			N/A	Naphthalene	< 0.05	ug/l	N	S	
			N/A	N-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Nitrobenzene	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodimethylamine	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodi-n-propylamine	< 0.50	ug/l	N	S	
			N/A	N-Propylbenzene	< 1.0	ug/l	N	S	
			N/A	o-Xylene	< 1.0	ug/l	Y	S	
			N/A	Parathion	< 0.20	ug/l	N	S	
			N/A	Pendimethalin	< 5	ug/l	N	S	
			N/A	Pentachlorophenol	< 0.20	ug/l	N	S	
			N/A	Permethrin	< 0.50	mg/l	N	S	
			N/A	Phenanthrene	< 0.50	ug/l	N	S	
			N/A	Phenol	< 0.20	ug/l	Y	S	
			N/A	Phorate	< 0.20	ug/l	N	S	
			N/A	Phosalone	< 0.20	ug/l	N	S	
			N/A	Prometon	< 0.20	ug/l	N	S	
			N/A	Prometryn	< 0.20	ug/l	N	S	
			N/A	Propazine	< 0.20	ug/l	N	S	
			N/A	Propetamphos	< 0.20	ug/l	N	S	
			N/A	Prothiofos	< 0.20	ug/l	N	S	
			N/A	Pyrene	< 0.50	ug/l	N	S	
			N/A	Qunitozene	< 5	ug/l	N	S	
			N/A	Secbumeton	< 0.20	ug/l	N	S	
			N/A	Sec-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Simazine	< 0.20	ug/l	N	S	
			N/A	Simetryn	< 0.20	ug/l	N	S	
			N/A	Styrene	< 1.0	ug/l	N	S	
			N/A	Sulprofos	< 0.20	ug/l	N	S	



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MCQ087994	BH6	14/12/2021	N/A	Tecnazene	< 5	ug/l	N	S	
			N/A	Terbutylazine	< 0.20	ug/l	N	S	
			N/A	Terbutryn	< 0.20	ug/l	N	S	
			N/A	Tert-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Tetrachloroethene	< 1.0	ug/l	N	S	
			N/A	Tetrachloromethane	< 1.0	ug/l	N	S	
			N/A	Toluene	< 1.0	ug/l	Y	S	
			N/A	Total Phenols	< 5.0	ug/l	Y	S	
			N/A	Trans 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	Trans-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Triallate	< 0.20	ug/l	N	S	
			N/A	Triazophos	< 0.20	ug/l	N	S	
			N/A	Tribromomethane	< 1.0	ug/l	N	S	
			N/A	Tributyl Tin	< 0.050	ug/l	N	S	
			N/A	Trichloroethene	< 1.0	ug/l	N	S	
			N/A	Trichlorofluoromethane	< 1.0	ug/l	N	S	
			N/A	Trichloromethane	< 1.0	ug/l	N	S	
			N/A	Trichloronate	< 0.20	ug/l	N	S	
			N/A	Trifluralin	< 0.20	ug/l	N	S	
			N/A	Triphenyl Tin	< 0.050	ug/l	N	S	
			N/A	Vinyl Chloride	< 1.0	ug/l	N	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	0.01	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	0.05	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 09:00 **Sample Matrix:** Ground Water **Analysyt Comment:** Not able to obtain accurate result for COD due to interferences caused by high solids content

MCQ087995	BH6A	14/12/2021	SAM031	Alkalinity, Total	239	mg/l	Y	MCQ	
			SAM031	Ammonia as N	0.33	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	2.37	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	8@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	103.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	41.8	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	8.46	ug/l	Y	S	
			SAM009	COD (Total)	NR	mg/l	Y	MCQ	C@
			SAM005	Electrical Conductivity	1,090	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	3.56	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	4.37	ug/l	Y	S	
			SAM038TM	Magnesium Tot	28.70	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	108	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	< 0.50	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	9.65	ug/l	Y	S	



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MCQ087995	BH6A	14/12/2021	SAM004	pH	6.98	Units	Y	MCQ	
			SAM038TM	Potassium Tot	6.72	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	36.80	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	278.00	mg/l	Y	MCQ	
			SAM031	TON as N	2.61	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	59	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	15.7	ug/l	Y	S	
			N/A	1,1,1,2-Tetrachloroethane	< 2.0	ug/l	N	S	
			N/A	1,1,1-Trichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1,2-Trichloroethane	< 10	ug/l	N	S	
			N/A	1,1-Dichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloropropene	< 1.0	ug/l	N	S	
			N/A	1,2,3-Trichlorobenzene	< 2.0	ug/l	N	S	
			N/A	1,2,3-Trichloropropane	< 50	ug/l	N	S	
			N/A	1,2,4-Trichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2,4-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,2-Dibromo-3-Chloropropane	< 50	ug/l	N	S	
			N/A	1,2-Dibromoethane	< 5	ug/l	N	S	
			N/A	1,2-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2-Dichloroethane	< 2.0	ug/l	N	S	
			N/A	1,2-Dichloropropane	< 1.0	ug/l	N	S	
			N/A	1,3,5-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,3-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,3-Dichloropropane	< 2.0	ug/l	N	S	
			N/A	1,4-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	2,3,4,5-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dimethylphenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2,6-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,6-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2-Chloronaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Chlorophenol	< 0.20	ug/l	N	S	
			N/A	2-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	2-Methyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Methylnaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Methylphenol (o-Cresol)	< 0.20	ug/l	N	S	
			N/A	2-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	2-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Sec-Butyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	3,4,5-Trichlorophenol	< 0.20	ug/l	N	S	



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MCQ087995	BH6A	14/12/2021	N/A	3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	3-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4,4-DDD	< 0.20	ug/l	N	S	
			N/A	4,4-DDE	< 0.20	ug/l	N	S	
			N/A	4,4-DDT	< 0.20	ug/l	N	S	
			N/A	4-Bromophenylphenyl Ether	< 0.50	ug/l	N	S	
			N/A	4-Chloro-3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Chloroaniline	< 0.50	ug/l	N	S	
			N/A	4-Chlorophenylphenylether	< 0.50	ug/l	N	S	
			N/A	4-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	4-Isopropyltoluene	< 1.0	ug/l	N	S	
			N/A	4-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	Acenaphthene	< 0.50	ug/l	N	S	
			N/A	Acenaphthylene	< 0.50	ug/l	N	S	
			N/A	Aldrin	< 0.20	ug/l	N	S	
			N/A	Alpha-Chlordane	< 0.20	ug/l	N	S	
			N/A	Alpha-HCH	< 0.20	ug/l	N	S	
			N/A	Ametryn	< 0.20	ug/l	N	S	
			N/A	Anthracene	< 0.50	ug/l	N	S	
			N/A	Atraton	< 0.20	ug/l	N	S	
			N/A	Atrazine	< 0.20	ug/l	N	S	
			N/A	Azinphos-ethyl	< 0.20	ug/l	N	S	
			N/A	Azinphos-Methyl	< 0.20	ug/l	N	S	
			N/A	Azobenzene	< 0.50	ug/l	N	S	
			N/A	Benzene	< 1.0	ug/l	Y	S	
			N/A	Benzo[a]anthracene	< 0.50	ug/l	N	S	
			N/A	Benzo[a]pyrene	< 0.50	ug/l	N	S	
			N/A	Benzo[b]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Benzo[g,h,i]perylene	< 0.50	ug/l	N	S	
			N/A	Benzo[k]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Beta-HCH	< 0.20	ug/l	N	S	
			N/A	Bis(2-Chloroethoxy)Methane	< 0.50	ug/l	N	S	
			N/A	Bis-(2-Chloroethyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Chloroisopropyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Ethylhexyl)Phthalate	< 0.50	ug/l	N	S	
			N/A	Bromobenzene	< 1.0	ug/l	N	S	
			N/A	Bromochloromethane	< 5	ug/l	N	S	
			N/A	Bromodichloromethane	< 5	ug/l	N	S	
			N/A	Bromomethane	< 5	ug/l	N	S	
			N/A	Bromoxynil	< 0.50	ug/l	N	S	
			N/A	Butylbenzyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Cadmium (Total)	< 0.11	ug/l	N	S	
			N/A	Carbazole	< 0.50	ug/l	N	S	
			N/A	Carbon Tetrachloride	< 10	ug/l	N	S	
			N/A	Carbophenothion	< 0.50	ug/l	N	S	
			N/A	Chlorfenvinphos	< 0.20	ug/l	N	S	
			N/A	Chlorobenzene	< 1.0	ug/l	N	S	



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MCQ087995	BH6A	14/12/2021	N/A	Chloroethane	< 2.0	ug/l	N	S	
			N/A	Chloroform	< 10	ug/l	N	S	
			N/A	Chloromethane	< 1.0	ug/l	N	S	
			N/A	Chlorothalonil	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos-methyl	< 0.20	ug/l	N	S	
			N/A	Chrysene	< 0.50	ug/l	Y	S	
			N/A	cis 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	cis-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Coumaphos	< 0.20	ug/l	N	S	
			N/A	Delta-HCH	< 0.20	ug/l	N	S	
			N/A	Demeton-O	< 0.20	ug/l	N	S	
			N/A	Demeton-S	< 0.20	ug/l	N	S	
			N/A	Diazinon	< 0.50	ug/l	N	S	
			N/A	Dibenz(a,h)Anthracene	< 0.50	ug/l	N	S	
			N/A	Dibenzofuran	< 0.50	ug/l	N	S	
			N/A	Dibromochloromethane	< 10	ug/l	N	S	
			N/A	Dibromomethane	< 10	ug/l	N	S	
			N/A	Dibutyl Tin	< 0.050	ug/l	N	S	
			N/A	Dichlorodifluoromethane	< 1.0	ug/l	N	S	
			N/A	Dichlorvos	< 0.50	ug/l	N	S	
			N/A	Dieldrin	< 0.20	ug/l	N	S	
			N/A	Diethyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dimethoate	< 0.20	ug/l	N	S	
			N/A	Dimethylphthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Butyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Octyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dinoseb	< 1.0	ug/l	N	S	
			N/A	Disulfoton	< 1.0	ug/l	N	S	
			N/A	Endosulfan I	< 0.20	ug/l	N	S	
			N/A	Endosulfan II	< 0.20	ug/l	N	S	
			N/A	Endosulfan Sulphate	< 0.20	ug/l	N	S	
			N/A	Endrin	< 0.20	ug/l	N	S	
			N/A	Endrin Aldehyde	< 0.20	ug/l	N	S	
			N/A	Endrin Ketone	< 0.20	ug/l	N	S	
			N/A	Ethion	< 0.50	ug/l	N	S	
			N/A	Ethylbenzene	< 1.0	ug/l	Y	S	
			N/A	Etrimphos	< 0.20	ug/l	N	S	
			N/A	Fenitrothion	< 0.20	ug/l	N	S	
			N/A	Fensulphothion	< 0.20	ug/l	N	S	
			N/A	Fenthion	< 0.20	ug/l	N	S	
			N/A	Fluoranthene	< 0.50	ug/l	N	S	
			N/A	Fluorene	< 0.50	ug/l	N	S	
			N/A	Gamma-Chlordane	< 0.20	ug/l	N	S	
			N/A	Gamma-Lindane	< 0.20	ug/l	N	S	
			N/A	Heptachlor	< 0.20	ug/l	N	S	
			N/A	Heptachlor Epoxide	< 0.20	ug/l	N	S	
			N/A	Hexachlorobenzene	< 0.50	ug/l	N	S	
			N/A	Hexachlorobutadiene	< 0.50	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087995	BH6A	14/12/2021	N/A	Hexachlorocyclopentadiene	< 0.50	ug/l	N	S	
			N/A	Hexachloroethane	< 0.50	ug/l	N	S	
			N/A	Indeno(1,2,3-c,d)Pyrene	< 0.50	ug/l	N	S	
			N/A	Ioxynil	< 0.50	ug/l	N	S	
			N/A	Isophorone	< 0.50	ug/l	N	S	
			N/A	Isopropylbenzene	< 1.0	ug/l	N	S	
			N/A	List 1 CT (McQuillan)	-				
			N/A	m & p-Xylene	< 1.0	ug/l	N	S	
			N/A	Malathion	< 0.20	ug/l	N	S	
			N/A	Mercury (Total)	< 0.05	ug/l	N	S	
			N/A	Methoxychlor	< 0.20	ug/l	N	S	
			N/A	Methyl parathion	< 1.0	ug/l	N	S	
			N/A	Methyl Tert-Butyl Ether	< 1.0	ug/l	N	S	
			N/A	Mevinphos	< 0.20	ug/l	N	S	
			N/A	Mineral Oil	< 10	ug/l	N	S	
			N/A	Naphthalene	< 0.01	ug/l	N	S	
			N/A	N-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Nitrobenzene	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodimethylamine	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodi-n-propylamine	< 0.50	ug/l	N	S	
			N/A	N-Propylbenzene	< 1.0	ug/l	N	S	
			N/A	o-Xylene	< 1.0	ug/l	Y	S	
			N/A	Parathion	< 0.20	ug/l	N	S	
			N/A	Pendimethalin	< 5	ug/l	N	S	
			N/A	Pentachlorophenol	< 0.20	ug/l	N	S	
			N/A	Permethrin	< 0.50	mg/l	N	S	
			N/A	Phenanthrene	< 0.50	ug/l	N	S	
			N/A	Phenol	< 0.20	ug/l	Y	S	
			N/A	Phorate	< 0.20	ug/l	N	S	
			N/A	Phosalone	< 0.20	ug/l	N	S	
			N/A	Prometon	< 0.20	ug/l	N	S	
			N/A	Prometryn	< 0.20	ug/l	N	S	
			N/A	Propazine	< 0.20	ug/l	N	S	
			N/A	Propetamphos	< 0.20	ug/l	N	S	
			N/A	Prothiofos	< 0.20	ug/l	N	S	
			N/A	Pyrene	< 0.50	ug/l	N	S	
			N/A	Qunitozene	< 5	ug/l	N	S	
			N/A	Secbumeton	< 0.20	ug/l	N	S	
			N/A	Sec-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Simazine	< 0.20	ug/l	N	S	
			N/A	Simetryn	< 0.20	ug/l	N	S	
			N/A	Styrene	< 1.0	ug/l	N	S	
			N/A	Sulprofos	< 0.20	ug/l	N	S	
			N/A	Tecnazene	< 5	ug/l	N	S	
			N/A	Terbutylazine	< 0.20	ug/l	N	S	
			N/A	Terbutryn	< 0.20	ug/l	N	S	
			N/A	Tert-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Tetrachloroethene	< 1.0	ug/l	N	S	
			N/A	Tetrachloromethane	< 1.0	ug/l	N	S	



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MCQ087995	BH6A	14/12/2021	N/A	Toluene	< 1.0	ug/l	Y	S	
			N/A	Total Phenols	< 5.0	ug/l	Y	S	
			N/A	Trans 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	Trans-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Triallate	< 0.20	ug/l	N	S	
			N/A	Triazophos	< 0.20	ug/l	N	S	
			N/A	Tribromomethane	< 1.0	ug/l	N	S	
			N/A	Tributyl Tin	< 0.050	ug/l	N	S	
			N/A	Trichloroethene	< 1.0	ug/l	N	S	
			N/A	Trichlorofluoromethane	< 1.0	ug/l	N	S	
			N/A	Trichloromethane	< 1.0	ug/l	N	S	
			N/A	Trichloronate	< 0.20	ug/l	N	S	
			N/A	Trifluralin	< 0.20	ug/l	N	S	
			N/A	Triphenyl Tin	< 0.050	ug/l	N	S	
			N/A	Vinyl Chloride	< 1.0	ug/l	N	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 08:30 **Sample Matrix:** Ground Water **Analysyt Comment:** Not able to obtain accurate result for COD due to interferences caused by high solids content

MCQ087996	BH8	14/12/2021	SAM031	Alkalinity, Total	166	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	1.17	mg/l	Y	MCQ	8@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	96.60	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	13.8	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	@
			SAM005	Electrical Conductivity	801	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.501	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	1.29	ug/l	Y	S	
			SAM038TM	Magnesium Tot	32.00	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	561	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	< 0.50	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	3.67	ug/l	Y	S	
			SAM004	pH	7.34	Units	Y	MCQ	
			SAM038TM	Potassium Tot	1.68	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	12.60	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	242.00	mg/l	Y	MCQ	
			SAM031	TON as N	0.24	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	35	mg/l	Y	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087996	BH8	14/12/2021	N/A	Zinc (tot.unfilt)	12.5	ug/l	Y	S	
			N/A	1,1,1,2-Tetrachloroethane	< 2.0	ug/l	N	S	
			N/A	1,1,1-Trichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1,2-Trichloroethane	< 10	ug/l	N	S	
			N/A	1,1-Dichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloropropene	< 1.0	ug/l	N	S	
			N/A	1,2,3-Trichlorobenzene	< 2.0	ug/l	N	S	
			N/A	1,2,3-Trichloropropane	< 50	ug/l	N	S	
			N/A	1,2,4-Trichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2,4-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,2-Dibromo-3-Chloropropane	< 50	ug/l	N	S	
			N/A	1,2-Dibromoethane	< 5	ug/l	N	S	
			N/A	1,2-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2-Dichloroethane	< 2.0	ug/l	N	S	
			N/A	1,2-Dichloropropane	< 1.0	ug/l	N	S	
			N/A	1,3,5-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,3-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,3-Dichloropropane	< 2.0	ug/l	N	S	
			N/A	1,4-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	2,3,4,5-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dimethylphenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2,6-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,6-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2-Chloronaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Chlorophenol	< 0.20	ug/l	N	S	
			N/A	2-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	2-Methyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Methylnaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Methylphenol (o-Cresol)	< 0.20	ug/l	N	S	
			N/A	2-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	2-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Sec-Butyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	3,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	3-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4,4-DDD	< 0.20	ug/l	N	S	
			N/A	4,4-DDE	< 0.20	ug/l	N	S	
			N/A	4,4-DDT	< 0.20	ug/l	N	S	
			N/A	4-Bromophenylphenyl Ether	< 0.50	ug/l	N	S	



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MCQ087996	BH8	14/12/2021	N/A	4-Chloro-3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Chloroaniline	< 0.50	ug/l	N	S	
			N/A	4-Chlorophenylphenylether	< 0.50	ug/l	N	S	
			N/A	4-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	4-Isopropyltoluene	< 1.0	ug/l	N	S	
			N/A	4-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	Acenaphthene	< 0.50	ug/l	N	S	
			N/A	Acenaphthylene	< 0.50	ug/l	N	S	
			N/A	Aldrin	< 0.20	ug/l	N	S	
			N/A	Alpha-Chlordane	< 0.20	ug/l	N	S	
			N/A	Alpha-HCH	< 0.20	ug/l	N	S	
			N/A	Ametryn	< 0.20	ug/l	N	S	
			N/A	Anthracene	< 0.50	ug/l	N	S	
			N/A	Atraton	< 0.20	ug/l	N	S	
			N/A	Atrazine	< 0.20	ug/l	N	S	
			N/A	Azinphos-ethyl	< 0.20	ug/l	N	S	
			N/A	Azinphos-Methyl	< 0.20	ug/l	N	S	
			N/A	Azobenzene	< 0.50	ug/l	N	S	
			N/A	Benzene	< 1.0	ug/l	Y	S	
			N/A	Benzo[a]anthracene	< 0.50	ug/l	N	S	
			N/A	Benzo[a]pyrene	< 0.50	ug/l	N	S	
			N/A	Benzo[b]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Benzo[g,h,i]perylene	< 0.50	ug/l	N	S	
			N/A	Benzo[k]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Beta-HCH	< 0.20	ug/l	N	S	
			N/A	Bis(2-Chloroethoxy)Methane	< 0.50	ug/l	N	S	
			N/A	Bis-(2-Chloroethyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Chloroisopropyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Ethylhexyl)Phthalate	< 0.50	ug/l	N	S	
			N/A	Bromobenzene	< 1.0	ug/l	N	S	
			N/A	Bromochloromethane	< 5	ug/l	N	S	
			N/A	Bromodichloromethane	< 5	ug/l	N	S	
			N/A	Bromomethane	< 5	ug/l	N	S	
			N/A	Bromoxynil	< 0.50	ug/l	N	S	
			N/A	Butylbenzyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Cadmium (Total)	< 0.11	ug/l	N	S	
			N/A	Carbazole	< 0.50	ug/l	N	S	
			N/A	Carbon Tetrachloride	< 10	ug/l	N	S	
			N/A	Carbophenothion	< 0.50	ug/l	N	S	
			N/A	Chlorfenvinphos	< 0.20	ug/l	N	S	
			N/A	Chlorobenzene	< 1.0	ug/l	N	S	
			N/A	Chloroethane	< 2.0	ug/l	N	S	
			N/A	Chloroform	< 10	ug/l	N	S	
			N/A	Chloromethane	< 1.0	ug/l	N	S	
			N/A	Chlorothalonil	< 0.50	ug/l	N	S	
			N/A	Chlorpynifos	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos-methyl	< 0.20	ug/l	N	S	



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MCQ087996	BH8	14/12/2021	N/A	Chrysene	< 0.50	ug/l	Y	S	
			N/A	cis 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	cis-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Coumaphos	< 0.20	ug/l	N	S	
			N/A	Delta-HCH	< 0.20	ug/l	N	S	
			N/A	Demeton-O	< 0.20	ug/l	N	S	
			N/A	Demeton-S	< 0.20	ug/l	N	S	
			N/A	Diazinon	< 0.50	ug/l	N	S	
			N/A	Dibenz(a,h)Anthracene	< 0.50	ug/l	N	S	
			N/A	Dibenzofuran	< 0.50	ug/l	N	S	
			N/A	Dibromochloromethane	< 10	ug/l	N	S	
			N/A	Dibromomethane	< 10	ug/l	N	S	
			N/A	Dibutyl Tin	< 0.050	ug/l	N	S	
			N/A	Dichlorodifluoromethane	< 1.0	ug/l	N	S	
			N/A	Dichlorvos	< 0.50	ug/l	N	S	
			N/A	Dieldrin	< 0.20	ug/l	N	S	
			N/A	Diethyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dimethoate	< 0.20	ug/l	N	S	
			N/A	Dimethylphthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Butyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Octyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dinoseb	< 1.0	ug/l	N	S	
			N/A	Disulfoton	< 1.0	ug/l	N	S	
			N/A	Endosulfan I	< 0.20	ug/l	N	S	
			N/A	Endosulfan II	< 0.20	ug/l	N	S	
			N/A	Endosulfan Sulphate	< 0.20	ug/l	N	S	
			N/A	Endrin	< 0.20	ug/l	N	S	
			N/A	Endrin Aldehyde	< 0.20	ug/l	N	S	
			N/A	Endrin Ketone	< 0.20	ug/l	N	S	
			N/A	Ethion	< 0.50	ug/l	N	S	
			N/A	Ethylbenzene	< 1.0	ug/l	Y	S	
			N/A	Etrimphos	< 0.20	ug/l	N	S	
			N/A	Fenitrothion	< 0.20	ug/l	N	S	
			N/A	Fensulphothion	< 0.20	ug/l	N	S	
			N/A	Fenthion	< 0.20	ug/l	N	S	
			N/A	Fluoranthene	< 0.50	ug/l	N	S	
			N/A	Fluorene	< 0.50	ug/l	N	S	
			N/A	Gamma-Chlordane	< 0.20	ug/l	N	S	
			N/A	Gamma-Lindane	< 0.20	ug/l	N	S	
			N/A	Heptachlor	< 0.20	ug/l	N	S	
			N/A	Heptachlor Epoxide	< 0.20	ug/l	N	S	
			N/A	Hexachlorobenzene	< 0.50	ug/l	N	S	
			N/A	Hexachlorobutadiene	< 0.50	ug/l	N	S	
			N/A	Hexachlorocyclopentadiene	< 0.50	ug/l	N	S	
			N/A	Hexachloroethane	< 0.50	ug/l	N	S	
			N/A	Indeno(1,2,3-c,d)Pyrene	< 0.50	ug/l	N	S	
			N/A	Ioxynil	< 0.50	ug/l	N	S	
			N/A	Isophorone	< 0.50	ug/l	N	S	
			N/A	Isopropylbenzene	< 1.0	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087996	BH8	14/12/2021	N/A	List 1 CT (McQuillan)		-			
			N/A	m & p-Xylene	< 1.0	ug/l	N	S	
			N/A	Malathion	< 0.20	ug/l	N	S	
			N/A	Mercury (Total)	< 0.05	ug/l	N	S	
			N/A	Methoxychlor	< 0.20	ug/l	N	S	
			N/A	Methyl parathion	< 1.0	ug/l	N	S	
			N/A	Methyl Tert-Butyl Ether	< 1.0	ug/l	N	S	
			N/A	Mevinphos	< 0.20	ug/l	N	S	
			N/A	Mineral Oil	< 10	ug/l	N	S	
			N/A	Naphthalene	< 0.01	ug/l	N	S	
			N/A	N-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Nitrobenzene	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodimethylamine	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodi-n-propylamine	< 0.50	ug/l	N	S	
			N/A	N-Propylbenzene	< 1.0	ug/l	N	S	
			N/A	o-Xylene	< 1.0	ug/l	Y	S	
			N/A	Parathion	< 0.20	ug/l	N	S	
			N/A	Pendimethalin	< 5	ug/l	N	S	
			N/A	Pentachlorophenol	< 0.20	ug/l	N	S	
			N/A	Permethrin	< 0.50	mg/l	N	S	
			N/A	Phenanthrene	< 0.50	ug/l	N	S	
			N/A	Phenol	< 0.20	ug/l	Y	S	
			N/A	Phorate	< 0.20	ug/l	N	S	
			N/A	Phosalone	< 0.20	ug/l	N	S	
			N/A	Prometon	< 0.20	ug/l	N	S	
			N/A	Prometryn	< 0.20	ug/l	N	S	
			N/A	Propazine	< 0.20	ug/l	N	S	
			N/A	Propetamphos	< 0.20	ug/l	N	S	
			N/A	Prothiofos	< 0.20	ug/l	N	S	
			N/A	Pyrene	< 0.50	ug/l	N	S	
			N/A	Qunitozene	< 5	ug/l	N	S	
			N/A	Secbumeton	< 0.20	ug/l	N	S	
			N/A	Sec-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Simazine	< 0.20	ug/l	N	S	
			N/A	Simetryn	< 0.20	ug/l	N	S	
			N/A	Styrene	< 1.0	ug/l	N	S	
			N/A	Sulprofos	< 0.20	ug/l	N	S	
			N/A	Tecnazene	< 5	ug/l	N	S	
			N/A	Terbuthylazine	< 0.20	ug/l	N	S	
			N/A	Terbutryn	< 0.20	ug/l	N	S	
			N/A	Tert-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Tetrachloroethene	< 1.0	ug/l	N	S	
			N/A	Tetrachloromethane	< 1.0	ug/l	N	S	
			N/A	Toluene	< 1.0	ug/l	Y	S	
			N/A	Total Phenols	< 5.0	ug/l	Y	S	
			N/A	Trans 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	Trans-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Triallate	< 0.20	ug/l	N	S	
			N/A	Triazophos	< 0.20	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087996	BH8	14/12/2021	N/A	Tribromomethane	< 1.0	ug/l	N	S	
			N/A	Tributyl Tin	< 0.050	ug/l	N	S	
			N/A	Trichloroethene	< 1.0	ug/l	N	S	
			N/A	Trichlorofluoromethane	< 1.0	ug/l	N	S	
			N/A	Trichloromethane	< 1.0	ug/l	N	S	
			N/A	Trichloronate	< 0.20	ug/l	N	S	
			N/A	Trifluralin	< 0.20	ug/l	N	S	
			N/A	Triphenyl Tin	< 0.050	ug/l	N	S	
			N/A	Vinyl Chloride	< 1.0	ug/l	N	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	
Time Sampled: 10:50	Sample Matrix:	Ground Water	Analysyt Comment:						
MCQ087997	BH9	14/12/2021	SAM031	Alkalinity, Total	483	mg/l	Y	MCQ	
			SAM031	Ammonia as N	3.03	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	<2	ug/l	Y	S	
			SAM016	BOD (ATU)	3.49	mg/l	Y	MCQ	8@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	244.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	102	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	3.37	ug/l	Y	S	
			SAM009	COD (Total)	70	mg/l	Y	MCQ	@
			SAM005	Electrical Conductivity	1,890	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	2.04	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	1.08	ug/l	Y	S	
			SAM038TM	Magnesium Tot	60.30	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	301	ug/l	Y	S	
			N/A	Mecoprop	0.05	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	< 0.50	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	19.4	ug/l	Y	S	
			SAM004	pH	6.91	Units	Y	MCQ	
			SAM038TM	Potassium Tot	14.50	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	65.70	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	391.00	mg/l	Y	MCQ	
			SAM031	TON as N	2.65	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	140	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	5.69	ug/l	Y	S	
			N/A	1,1,1,2-Tetrachloroethane	< 2.0	ug/l	N	S	
			N/A	1,1,1-Trichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1,2-Trichloroethane	< 10	ug/l	N	S	
			N/A	1,1-Dichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloroethene	< 1.0	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087997	BH9	14/12/2021	N/A	1,1-Dichloropropene	< 1.0	ug/l	N	S	
			N/A	1,2,3-Trichlorobenzene	< 2.0	ug/l	N	S	
			N/A	1,2,3-Trichloropropane	< 50	ug/l	N	S	
			N/A	1,2,4-Trichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2,4-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,2-Dibromo-3-Chloropropane	< 50	ug/l	N	S	
			N/A	1,2-Dibromoethane	< 5	ug/l	N	S	
			N/A	1,2-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2-Dichloroethane	< 2.0	ug/l	N	S	
			N/A	1,2-Dichloropropane	< 1.0	ug/l	N	S	
			N/A	1,3,5-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,3-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,3-Dichloropropane	< 2.0	ug/l	N	S	
			N/A	1,4-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	2,3,4,5-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dimethylphenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2,6-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,6-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2-Chloronaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Chlorophenol	< 0.20	ug/l	N	S	
			N/A	2-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	2-Methyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Methylnaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Methylphenol (o-Cresol)	< 0.20	ug/l	N	S	
			N/A	2-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	2-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Sec-Butyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	3,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	3-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4,4-DDD	< 0.20	ug/l	N	S	
			N/A	4,4-DDE	< 0.20	ug/l	N	S	
			N/A	4,4-DDT	< 0.20	ug/l	N	S	
			N/A	4-Bromophenylphenyl Ether	< 0.50	ug/l	N	S	
			N/A	4-Chloro-3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Chloroaniline	< 0.50	ug/l	N	S	
			N/A	4-Chlorophenylphenylether	< 0.50	ug/l	N	S	
			N/A	4-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	4-Isopropyltoluene	< 1.0	ug/l	N	S	
			N/A	4-Methylphenol	< 0.20	ug/l	N	S	



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MCQ087997	BH9	14/12/2021	N/A	4-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	Acenaphthene	< 0.50	ug/l	N	S	
			N/A	Acenaphthylene	< 0.50	ug/l	N	S	
			N/A	Aldrin	< 0.20	ug/l	N	S	
			N/A	Alpha-Chlordane	< 0.20	ug/l	N	S	
			N/A	Alpha-HCH	< 0.20	ug/l	N	S	
			N/A	Ametryn	< 0.20	ug/l	N	S	
			N/A	Anthracene	< 0.50	ug/l	N	S	
			N/A	Atraton	< 0.20	ug/l	N	S	
			N/A	Atrazine	< 0.20	ug/l	N	S	
			N/A	Azinphos-ethyl	< 0.20	ug/l	N	S	
			N/A	Azinphos-Methyl	< 0.20	ug/l	N	S	
			N/A	Azobenzene	< 0.50	ug/l	N	S	
			N/A	Benzene	< 1.0	ug/l	Y	S	
			N/A	Benzo[a]anthracene	< 0.50	ug/l	N	S	
			N/A	Benzo[a]pyrene	< 0.50	ug/l	N	S	
			N/A	Benzo[b]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Benzo[g,h,i]perylene	< 0.50	ug/l	N	S	
			N/A	Benzo[k]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Beta-HCH	< 0.20	ug/l	N	S	
			N/A	Bis(2-Chloroethoxy)Methane	< 0.50	ug/l	N	S	
			N/A	Bis-(2-Chloroethyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Chloroisopropyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Ethylhexyl)Phthalate	< 0.50	ug/l	N	S	
			N/A	Bromobenzene	< 1.0	ug/l	N	S	
			N/A	Bromochloromethane	< 5	ug/l	N	S	
			N/A	Bromodichloromethane	< 5	ug/l	N	S	
			N/A	Bromomethane	< 5	ug/l	N	S	
			N/A	Bromoxynil	< 0.50	ug/l	N	S	
			N/A	Butylbenzyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Cadmium (Total)	< 0.11	ug/l	N	S	
			N/A	Carbazole	< 0.50	ug/l	N	S	
			N/A	Carbon Tetrachloride	< 10	ug/l	N	S	
			N/A	Carbophenothion	< 0.50	ug/l	N	S	
			N/A	Chlorfenvinphos	< 0.20	ug/l	N	S	
			N/A	Chlorobenzene	< 1.0	ug/l	N	S	
			N/A	Chloroethane	< 2.0	ug/l	N	S	
			N/A	Chloroform	< 10	ug/l	N	S	
			N/A	Chloromethane	< 1.0	ug/l	N	S	
			N/A	Chlorothalonil	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos-methyl	< 0.20	ug/l	N	S	
			N/A	Chrysene	< 0.50	ug/l	Y	S	
			N/A	cis 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	cis-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Coumaphos	< 0.20	ug/l	N	S	
			N/A	Delta-HCH	< 0.20	ug/l	N	S	
			N/A	Demeton-O	< 0.20	ug/l	N	S	



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MCQ087997	BH9	14/12/2021	N/A	Demeton-S	< 0.20	ug/l	N	S	
			N/A	Diazinon	< 0.50	ug/l	N	S	
			N/A	Dibenz(a,h)Anthracene	< 0.50	ug/l	N	S	
			N/A	Dibenzofuran	< 0.50	ug/l	N	S	
			N/A	Dibromochloromethane	< 10	ug/l	N	S	
			N/A	Dibromomethane	< 10	ug/l	N	S	
			N/A	Dibutyl Tin	< 0.050	ug/l	N	S	
			N/A	Dichlorodifluoromethane	< 1.0	ug/l	N	S	
			N/A	Dichlorvos	< 0.50	ug/l	N	S	
			N/A	Dieldrin	< 0.20	ug/l	N	S	
			N/A	Diethyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dimethoate	< 0.20	ug/l	N	S	
			N/A	Dimethylphthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Butyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Octyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dinoseb	< 1.0	ug/l	N	S	
			N/A	Disulfoton	< 1.0	ug/l	N	S	
			N/A	Endosulfan I	< 0.20	ug/l	N	S	
			N/A	Endosulfan II	< 0.20	ug/l	N	S	
			N/A	Endosulfan Sulphate	< 0.20	ug/l	N	S	
			N/A	Endrin	< 0.20	ug/l	N	S	
			N/A	Endrin Aldehyde	< 0.20	ug/l	N	S	
			N/A	Endrin Ketone	< 0.20	ug/l	N	S	
			N/A	Ethion	< 0.50	ug/l	N	S	
			N/A	Ethylbenzene	< 1.0	ug/l	Y	S	
			N/A	Etrimphos	< 0.20	ug/l	N	S	
			N/A	Fenitrothion	< 0.20	ug/l	N	S	
			N/A	Fensulphothion	< 0.20	ug/l	N	S	
			N/A	Fenthion	< 0.20	ug/l	N	S	
			N/A	Fluoranthene	< 0.50	ug/l	N	S	
			N/A	Fluorene	< 0.50	ug/l	N	S	
			N/A	Gamma-Chlordane	< 0.20	ug/l	N	S	
			N/A	Gamma-Lindane	< 0.20	ug/l	N	S	
			N/A	Heptachlor	< 0.20	ug/l	N	S	
			N/A	Heptachlor Epoxide	< 0.20	ug/l	N	S	
			N/A	Hexachlorobenzene	< 0.50	ug/l	N	S	
			N/A	Hexachlorobutadiene	< 0.50	ug/l	N	S	
			N/A	Hexachlorocyclopentadiene	< 0.50	ug/l	N	S	
			N/A	Hexachloroethane	< 0.50	ug/l	N	S	
			N/A	Indeno(1,2,3-c,d)Pyrene	< 0.50	ug/l	N	S	
			N/A	Ioxynil	< 0.50	ug/l	N	S	
			N/A	Isophorone	< 0.50	ug/l	N	S	
			N/A	Isopropylbenzene	< 1.0	ug/l	N	S	
			N/A	List 1 CT (McQuillan)	-	-			
			N/A	m & p-Xylene	< 1.0	ug/l	N	S	
			N/A	Malathion	< 0.20	ug/l	N	S	
			N/A	Mercury (Total)	< 0.05	ug/l	N	S	
			N/A	Methoxychlor	< 0.20	ug/l	N	S	
			N/A	Methyl parathion	< 1.0	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087997	BH9	14/12/2021	N/A	Methyl Tert-Butyl Ether	< 1.0	ug/l	N	S	
			N/A	Mevinphos	< 0.20	ug/l	N	S	
			N/A	Mineral Oil	< 10	ug/l	N	S	
			N/A	Naphthalene	<0.01	ug/l	N	S	
			N/A	N-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Nitrobenzene	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodimethylamine	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodi-n-propylamine	< 0.50	ug/l	N	S	
			N/A	N-Propylbenzene	< 1.0	ug/l	N	S	
			N/A	o-Xylene	< 1.0	ug/l	Y	S	
			N/A	Parathion	< 0.20	ug/l	N	S	
			N/A	Pendimethalin	< 5	ug/l	N	S	
			N/A	Pentachlorophenol	< 0.20	ug/l	N	S	
			N/A	Permethrin	< 0.50	mg/l	N	S	
			N/A	Phenanthrene	< 0.50	ug/l	N	S	
			N/A	Phenol	< 0.20	ug/l	Y	S	
			N/A	Phorate	< 0.20	ug/l	N	S	
			N/A	Phosalone	< 0.20	ug/l	N	S	
			N/A	Prometon	< 0.20	ug/l	N	S	
			N/A	Prometryn	< 0.20	ug/l	N	S	
			N/A	Propazine	< 0.20	ug/l	N	S	
			N/A	Propetamphos	< 0.20	ug/l	N	S	
			N/A	Prothiofos	< 0.20	ug/l	N	S	
			N/A	Pyrene	< 0.50	ug/l	N	S	
			N/A	Qunitozene	< 5	ug/l	N	S	
			N/A	Secbumeton	< 0.20	ug/l	N	S	
			N/A	Sec-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Simazine	< 0.20	ug/l	N	S	
			N/A	Simetryn	< 0.20	ug/l	N	S	
			N/A	Styrene	< 1.0	ug/l	N	S	
			N/A	Sulprofos	< 0.20	ug/l	N	S	
			N/A	Tecnazene	< 5	ug/l	N	S	
			N/A	Terbuthylazine	< 0.20	ug/l	N	S	
			N/A	Terbutryn	< 0.20	ug/l	N	S	
			N/A	Tert-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Tetrachloroethene	< 1.0	ug/l	N	S	
			N/A	Tetrachloromethane	< 1.0	ug/l	N	S	
			N/A	Toluene	< 1.0	ug/l	Y	S	
			N/A	Total Phenols	< 5.0	ug/l	Y	S	
			N/A	Trans 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	Trans-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Triallate	< 0.20	ug/l	N	S	
			N/A	Triazophos	< 0.20	ug/l	N	S	
			N/A	Tribromomethane	< 1.0	ug/l	N	S	
			N/A	Tributyl Tin	< 0.050	ug/l	N	S	
			N/A	Trichloroethene	< 1.0	ug/l	N	S	
			N/A	Trichlorofluoromethane	< 1.0	ug/l	N	S	
			N/A	Trichloromethane	< 1.0	ug/l	N	S	
			N/A	Trichloronate	< 0.20	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087997	BH9	14/12/2021	N/A	Trifluralin	< 0.20	ug/l	N	S	
			N/A	Triphenyl Tin	< 0.050	ug/l	N	S	
			N/A	Vinyl Chloride	< 1.0	ug/l	N	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 11:20
Sample Matrix: Ground Water
Analysyt Comment:

MCQ087998	BH13	14/12/2021	SAM031	Alkalinity, Total	216	mg/l	Y	MCQ	
			SAM031	Ammonia as N	0.17	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	5.69	ug/l	Y	S	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	8@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	68.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	31.5	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	@
			SAM005	Electrical Conductivity	770	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.597	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	39.10	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	240	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	< 0.50	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	1.66	ug/l	Y	S	
			SAM004	pH	7.42	Units	Y	MCQ	
			SAM038TM	Potassium Tot	1.68	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	20.90	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	168.00	mg/l	Y	MCQ	
			SAM031	TON as N	0.46	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	45	mg/l	Y	S	
			N/A	Zinc (tot.unfilt)	<5	ug/l	Y	S	
			N/A	1,1,1,2-Tetrachloroethane	< 2.0	ug/l	N	S	
			N/A	1,1,1-Trichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1,2-Trichloroethane	< 10	ug/l	N	S	
			N/A	1,1-Dichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloropropene	< 1.0	ug/l	N	S	
			N/A	1,2,3-Trichlorobenzene	< 2.0	ug/l	N	S	
			N/A	1,2,3-Trichloropropane	< 50	ug/l	N	S	
			N/A	1,2,4-Trichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2,4-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,2-Dibromo-3-Chloropropane	< 50	ug/l	N	S	



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MCQ087998	BH13	14/12/2021	N/A	1,2-Dibromoethane	< 5	ug/l	N	S	
			N/A	1,2-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2-Dichloroethane	< 2.0	ug/l	N	S	
			N/A	1,2-Dichloropropane	< 1.0	ug/l	N	S	
			N/A	1,3,5-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,3-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,3-Dichloropropane	< 2.0	ug/l	N	S	
			N/A	1,4-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	2,3,4,5-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dimethylphenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2,6-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,6-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2-Chloronaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Chlorophenol	< 0.20	ug/l	N	S	
			N/A	2-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	2-Methyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Methylnaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Methylphenol (o-Cresol)	< 0.20	ug/l	N	S	
			N/A	2-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	2-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Sec-Butyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	3,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	3-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4,4-DDD	< 0.20	ug/l	N	S	
			N/A	4,4-DDE	< 0.20	ug/l	N	S	
			N/A	4,4-DDT	< 0.20	ug/l	N	S	
			N/A	4-Bromophenylphenyl Ether	< 0.50	ug/l	N	S	
			N/A	4-Chloro-3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Chloroaniline	< 0.50	ug/l	N	S	
			N/A	4-Chlorophenylphenylether	< 0.50	ug/l	N	S	
			N/A	4-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	4-Isopropyltoluene	< 1.0	ug/l	N	S	
			N/A	4-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	Acenaphthene	< 0.50	ug/l	N	S	
			N/A	Acenaphthylene	< 0.50	ug/l	N	S	
			N/A	Aldrin	< 0.20	ug/l	N	S	
			N/A	Alpha-Chlordane	< 0.20	ug/l	N	S	



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MCQ087998	BH13	14/12/2021	N/A	Alpha-HCH	< 0.20	ug/l	N	S	
			N/A	Ametryn	< 0.20	ug/l	N	S	
			N/A	Anthracene	< 0.50	ug/l	N	S	
			N/A	Atraton	< 0.20	ug/l	N	S	
			N/A	Atrazine	< 0.20	ug/l	N	S	
			N/A	Azinphos-ethyl	< 0.20	ug/l	N	S	
			N/A	Azinphos-Methyl	< 0.20	ug/l	N	S	
			N/A	Azobenzene	< 0.50	ug/l	N	S	
			N/A	Benzene	< 1.0	ug/l	Y	S	
			N/A	Benzo[a]anthracene	< 0.50	ug/l	N	S	
			N/A	Benzo[a]pyrene	< 0.50	ug/l	N	S	
			N/A	Benzo[b]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Benzo[g,h,i]perylene	< 0.50	ug/l	N	S	
			N/A	Benzo[k]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Beta-HCH	< 0.20	ug/l	N	S	
			N/A	Bis(2-Chloroethoxy)Methane	< 0.50	ug/l	N	S	
			N/A	Bis-(2-Chloroethyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Chloroisopropyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Ethylhexyl)Phthalate	< 0.50	ug/l	N	S	
			N/A	Bromobenzene	< 1.0	ug/l	N	S	
			N/A	Bromochloromethane	< 5	ug/l	N	S	
			N/A	Bromodichloromethane	< 5	ug/l	N	S	
			N/A	Bromomethane	< 5	ug/l	N	S	
			N/A	Bromoxynil	< 0.50	ug/l	N	S	
			N/A	Butylbenzyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Cadmium (Total)	< 0.11	ug/l	N	S	
			N/A	Carbazole	< 0.50	ug/l	N	S	
			N/A	Carbon Tetrachloride	< 10	ug/l	N	S	
			N/A	Carbophenothion	< 0.50	ug/l	N	S	
			N/A	Chlorfenvinphos	< 0.20	ug/l	N	S	
			N/A	Chlorobenzene	< 1.0	ug/l	N	S	
			N/A	Chloroethane	< 2.0	ug/l	N	S	
			N/A	Chloroform	< 10	ug/l	N	S	
			N/A	Chloromethane	< 1.0	ug/l	N	S	
			N/A	Chlorothalonil	< 0.50	ug/l	N	S	
			N/A	Chlorpynifos	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos-methyl	< 0.20	ug/l	N	S	
			N/A	Chrysene	< 0.50	ug/l	Y	S	
			N/A	cis 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	cis-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Coumaphos	< 0.20	ug/l	N	S	
			N/A	Delta-HCH	< 0.20	ug/l	N	S	
			N/A	Demeton-O	< 0.20	ug/l	N	S	
			N/A	Demeton-S	< 0.20	ug/l	N	S	
			N/A	Diazinon	< 0.50	ug/l	N	S	
			N/A	Dibenz(a,h)Anthracene	< 0.50	ug/l	N	S	
			N/A	Dibenzofuran	< 0.50	ug/l	N	S	
			N/A	Dibromochloromethane	< 10	ug/l	N	S	
			N/A	Dibromomethane	< 10	ug/l	N	S	



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MCQ087998	BH13	14/12/2021	N/A	Dibutyl Tin	< 0.050	ug/l	N	S	
			N/A	Dichlorodifluoromethane	< 1.0	ug/l	N	S	
			N/A	Dichlorvos	< 0.50	ug/l	N	S	
			N/A	Dieldrin	< 0.20	ug/l	N	S	
			N/A	Diethyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dimethoate	< 0.20	ug/l	N	S	
			N/A	Dimethylphthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Butyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Octyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dinoseb	< 1.0	ug/l	N	S	
			N/A	Disulfoton	< 1.0	ug/l	N	S	
			N/A	Endosulfan I	< 0.20	ug/l	N	S	
			N/A	Endosulfan II	< 0.20	ug/l	N	S	
			N/A	Endosulfan Sulphate	< 0.20	ug/l	N	S	
			N/A	Endrin	< 0.20	ug/l	N	S	
			N/A	Endrin Aldehyde	< 0.20	ug/l	N	S	
			N/A	Endrin Ketone	< 0.20	ug/l	N	S	
			N/A	Ethion	< 0.50	ug/l	N	S	
			N/A	Ethylbenzene	< 1.0	ug/l	Y	S	
			N/A	Etrimphos	< 0.20	ug/l	N	S	
			N/A	Fenitrothion	< 0.20	ug/l	N	S	
			N/A	Fensulphothion	< 0.20	ug/l	N	S	
			N/A	Fenthion	< 0.20	ug/l	N	S	
			N/A	Fluoranthene	< 0.50	ug/l	N	S	
			N/A	Fluorene	< 0.50	ug/l	N	S	
			N/A	Gamma-Chlordane	< 0.20	ug/l	N	S	
			N/A	Gamma-Lindane	< 0.20	ug/l	N	S	
			N/A	Heptachlor	< 0.20	ug/l	N	S	
			N/A	Heptachlor Epoxide	< 0.20	ug/l	N	S	
			N/A	Hexachlorobenzene	< 0.50	ug/l	N	S	
			N/A	Hexachlorobutadiene	< 0.50	ug/l	N	S	
			N/A	Hexachlorocyclopentadiene	< 0.50	ug/l	N	S	
			N/A	Hexachloroethane	< 0.50	ug/l	N	S	
			N/A	Indeno(1,2,3-c,d)Pyrene	< 0.50	ug/l	N	S	
			N/A	Ioxynil	< 0.50	ug/l	N	S	
			N/A	Isophorone	< 0.50	ug/l	N	S	
			N/A	Isopropylbenzene	< 1.0	ug/l	N	S	
			N/A	List 1 CT (McQuillan)	-				
			N/A	m & p-Xylene	< 1.0	ug/l	N	S	
			N/A	Malathion	< 0.20	ug/l	N	S	
			N/A	Mercury (Total)	< 0.05	ug/l	N	S	
			N/A	Methoxychlor	< 0.20	ug/l	N	S	
			N/A	Methyl parathion	< 1.0	ug/l	N	S	
			N/A	Methyl Tert-Butyl Ether	< 1.0	ug/l	N	S	
			N/A	Mevinphos	< 0.20	ug/l	N	S	
			N/A	Mineral Oil	< 10	ug/l	N	S	
			N/A	Naphthalene	< 0.01	ug/l	N	S	
			N/A	N-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Nitrobenzene	< 0.50	ug/l	N	S	



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MCQ087998	BH13	14/12/2021	N/A	N-Nitrosodimethylamine	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodi-n-propylamine	< 0.50	ug/l	N	S	
			N/A	N-Propylbenzene	< 1.0	ug/l	N	S	
			N/A	o-Xylene	< 1.0	ug/l	Y	S	
			N/A	Parathion	< 0.20	ug/l	N	S	
			N/A	Pendimethalin	< 5	ug/l	N	S	
			N/A	Pentachlorophenol	< 0.20	ug/l	N	S	
			N/A	Permethrin	< 0.50	mg/l	N	S	
			N/A	Phenanthrene	< 0.50	ug/l	N	S	
			N/A	Phenol	< 0.20	ug/l	Y	S	
			N/A	Phorate	< 0.20	ug/l	N	S	
			N/A	Phosalone	< 0.20	ug/l	N	S	
			N/A	Prometon	< 0.20	ug/l	N	S	
			N/A	Prometryn	< 0.20	ug/l	N	S	
			N/A	Propazine	< 0.20	ug/l	N	S	
			N/A	Propetamphos	< 0.20	ug/l	N	S	
			N/A	Prothiofos	< 0.20	ug/l	N	S	
			N/A	Pyrene	< 0.50	ug/l	N	S	
			N/A	Qunitozene	< 5	ug/l	N	S	
			N/A	Sebumeton	< 0.20	ug/l	N	S	
			N/A	Sec-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Simazine	< 0.20	ug/l	N	S	
			N/A	Simetryn	< 0.20	ug/l	N	S	
			N/A	Styrene	< 1.0	ug/l	N	S	
			N/A	Sulprofos	< 0.20	ug/l	N	S	
			N/A	Tecnazene	< 5	ug/l	N	S	
			N/A	Terbuthylazine	< 0.20	ug/l	N	S	
			N/A	Terbutryn	< 0.20	ug/l	N	S	
			N/A	Tert-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Tetrachloroethene	< 1.0	ug/l	N	S	
			N/A	Tetrachloromethane	< 1.0	ug/l	N	S	
			N/A	Toluene	< 1.0	ug/l	Y	S	
			N/A	Total Phenols	< 5.0	ug/l	Y	S	
			N/A	Trans 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	Trans-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Triallate	< 0.20	ug/l	N	S	
			N/A	Triazophos	< 0.20	ug/l	N	S	
			N/A	Tribromomethane	< 1.0	ug/l	N	S	
			N/A	Tributyl Tin	< 0.050	ug/l	N	S	
			N/A	Trichloroethene	< 1.0	ug/l	N	S	
			N/A	Trichlorofluoromethane	< 1.0	ug/l	N	S	
			N/A	Trichloromethane	< 1.0	ug/l	N	S	
			N/A	Trichloronate	< 0.20	ug/l	N	S	
			N/A	Trifluralin	< 0.20	ug/l	N	S	
			N/A	Triphenyl Tin	< 0.050	ug/l	N	S	
			N/A	Vinyl Chloride	< 1.0	ug/l	N	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	



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MCQ087998	BH13	14/12/2021	N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	

Time Sampled: 10:30
Sample Matrix: Ground Water
Analysyt Comment:

MCQ087999	TL	14/12/2021	SAM031	Alkalinity, Total	1,290	mg/l	Y	MCQ	
			SAM031	Ammonia as N	297	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	22.5	ug/l	Y	S	
			SAM016	BOD (ATU)	13.3	mg/l	Y	MCQ	8@
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	96.70	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	924	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	205	ug/l	Y	S	
			SAM009	COD (Total)	1,020	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	8,790	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	12	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	6.22	ug/l	Y	S	
			SAM038TM	Magnesium Tot	53.10	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	762	ug/l	Y	S	
			N/A	Mecoprop	<0.40	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<0.02	ug/l	Y	S	
			N/A	Naphthalene	< 0.50	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	142	ug/l	Y	S	
			SAM004	pH	8.05	Units	Y	MCQ	
			SAM038TM	Potassium Tot	567.00	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	1,490.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	142.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	222	mg/l	Y	MCQ	
			N/A	TOC		mg/l	Y	S	
			SAM031	TON as N	386	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	268	ug/l	Y	S	
			N/A	1,1,1,2-Tetrachloroethane	< 2.0	ug/l	N	S	
			N/A	1,1,1-Trichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1,2-Trichloroethane	< 10	ug/l	N	S	
			N/A	1,1-Dichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloropropene	< 1.0	ug/l	N	S	
			N/A	1,2,3-Trichlorobenzene	< 2.0	ug/l	N	S	
			N/A	1,2,3-Trichloropropane	< 50	ug/l	N	S	
			N/A	1,2,4-Trichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2,4-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,2-Dibromo-3-Chloropropane	< 50	ug/l	N	S	
			N/A	1,2-Dibromoethane	< 5	ug/l	N	S	
			N/A	1,2-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2-Dichloroethane	< 2.0	ug/l	N	S	
			N/A	1,2-Dichloropropane	< 1.0	ug/l	N	S	
			N/A	1,3,5-Trimethylbenzene	< 1.0	ug/l	N	S	



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MCQ087999	TL	14/12/2021	N/A	1,3-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,3-Dichloropropane	< 2.0	ug/l	N	S	
			N/A	1,4-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	2,3,4,5-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dimethylphenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2,6-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,6-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2-Chloronaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Chlorophenol	< 0.20	ug/l	N	S	
			N/A	2-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	2-Methyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Methylnaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Methylphenol (o-Cresol)	< 0.20	ug/l	N	S	
			N/A	2-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	2-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Sec-Butyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	3,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	3-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4,4-DDD	< 0.20	ug/l	N	S	
			N/A	4,4-DDE	< 0.20	ug/l	N	S	
			N/A	4,4-DDT	< 0.20	ug/l	N	S	
			N/A	4-Bromophenylphenyl Ether	< 0.50	ug/l	N	S	
			N/A	4-Chloro-3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Chloroaniline	< 0.50	ug/l	N	S	
			N/A	4-Chlorophenylphenylether	< 0.50	ug/l	N	S	
			N/A	4-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	4-Isopropyltoluene	< 1.0	ug/l	N	S	
			N/A	4-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	Acenaphthene	< 0.50	ug/l	N	S	
			N/A	Acenaphthylene	< 0.50	ug/l	N	S	
			N/A	Aldrin	< 0.20	ug/l	N	S	
			N/A	Alpha-Chlordane	< 0.20	ug/l	N	S	
			N/A	Alpha-HCH	< 0.20	ug/l	N	S	
			N/A	Ametryn	< 0.20	ug/l	N	S	
			N/A	Anthracene	< 0.50	ug/l	N	S	
			N/A	Atraton	< 0.20	ug/l	N	S	
			N/A	Atrazine	< 0.20	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087999	TL	14/12/2021	N/A	Azinphos-ethyl	< 0.20	ug/l	N	S	
			N/A	Azinphos-Methyl	< 0.20	ug/l	N	S	
			N/A	Azobenzene	< 0.50	ug/l	N	S	
			N/A	Benzene	< 1.0	ug/l	Y	S	
			N/A	Benzo[a]anthracene	< 0.50	ug/l	N	S	
			N/A	Benzo[a]pyrene	< 0.50	ug/l	N	S	
			N/A	Benzo[b]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Benzo[g,h,i]perylene	< 0.50	ug/l	N	S	
			N/A	Benzo[k]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Beta-HCH	< 0.20	ug/l	N	S	
			N/A	Bis(2-Chloroethoxy)Methane	< 0.50	ug/l	N	S	
			N/A	Bis-(2-Chloroethyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Chloroisopropyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Ethylhexyl)Phthalate	< 0.50	ug/l	N	S	
			N/A	Bromobenzene	< 1.0	ug/l	N	S	
			N/A	Bromochloromethane	< 5	ug/l	N	S	
			N/A	Bromodichloromethane	< 5	ug/l	N	S	
			N/A	Bromomethane	< 5	ug/l	N	S	
			N/A	Bromoxynil	< 0.50	ug/l	N	S	
			N/A	Butylbenzyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Cadmium (Total)	< 0.11	ug/l	N	S	
			N/A	Carbazole	< 0.50	ug/l	N	S	
			N/A	Carbon Tetrachloride	< 10	ug/l	N	S	
			N/A	Carbophenothion	< 0.50	ug/l	N	S	
			N/A	Chlorfenvinphos	< 0.20	ug/l	N	S	
			N/A	Chlorobenzene	< 1.0	ug/l	N	S	
			N/A	Chloroethane	< 2.0	ug/l	N	S	
			N/A	Chloroform	< 10	ug/l	N	S	
			N/A	Chloromethane	< 1.0	ug/l	N	S	
			N/A	Chlorothalonil	< 0.50	ug/l	N	S	
			N/A	Chlorpynifos	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos-methyl	< 0.20	ug/l	N	S	
			N/A	Chrysene	< 0.50	ug/l	N	S	
			N/A	cis 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	cis-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Coumaphos	< 0.20	ug/l	N	S	
			N/A	Delta-HCH	< 0.20	ug/l	N	S	
			N/A	Demeton-O	< 0.20	ug/l	N	S	
			N/A	Demeton-S	< 0.20	ug/l	N	S	
			N/A	Diazinon	< 0.50	ug/l	N	S	
			N/A	Dibenz(a,h)Anthracene	< 0.50	ug/l	N	S	
			N/A	Dibenzofuran	< 0.50	ug/l	N	S	
			N/A	Dibromochloromethane	< 10	ug/l	N	S	
			N/A	Dibromomethane	< 10	ug/l	N	S	
			N/A	Dibutyl Tin	< 0.050	ug/l	N	S	
			N/A	Dichlorodifluoromethane	< 1.0	ug/l	N	S	
			N/A	Dichlorvos	< 0.50	ug/l	N	S	
			N/A	Dieldrin	< 0.20	ug/l	N	S	
			N/A	Diethyl Phthalate	< 0.50	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087999	TL	14/12/2021	N/A	Dimethoate	< 0.20	ug/l	N	S	
			N/A	Dimethylphthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Butyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Octyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dinoseb	< 1.0	ug/l	N	S	
			N/A	Disulfoton	< 1.0	ug/l	N	S	
			N/A	Endosulfan I	< 0.20	ug/l	N	S	
			N/A	Endosulfan II	< 0.20	ug/l	N	S	
			N/A	Endosulfan Sulphate	< 0.20	ug/l	N	S	
			N/A	Endrin	< 0.20	ug/l	N	S	
			N/A	Endrin Aldehyde	< 0.20	ug/l	N	S	
			N/A	Endrin Ketone	< 0.20	ug/l	N	S	
			N/A	Ethion	< 0.50	ug/l	N	S	
			N/A	Ethylbenzene	< 1.0	ug/l	Y	S	
			N/A	Etrimphos	< 0.20	ug/l	N	S	
			N/A	Fenitrothion	< 0.20	ug/l	N	S	
			N/A	Fensulphothion	< 0.20	ug/l	N	S	
			N/A	Fenthion	< 0.20	ug/l	N	S	
			N/A	Fluoranthene	< 0.50	ug/l	N	S	
			N/A	Fluorene	< 0.50	ug/l	N	S	
			N/A	Gamma-Chlordane	< 0.20	ug/l	N	S	
			N/A	Gamma-Lindane	< 0.20	ug/l	N	S	
			N/A	Heptachlor	< 0.20	ug/l	N	S	
			N/A	Heptachlor Epoxide	< 0.20	ug/l	N	S	
			N/A	Hexachlorobenzene	< 0.50	ug/l	N	S	
			N/A	Hexachlorobutadiene	< 0.50	ug/l	N	S	
			N/A	Hexachlorocyclopentadiene	< 0.50	ug/l	N	S	
			N/A	Hexachloroethane	< 0.50	ug/l	N	S	
			N/A	Indeno(1,2,3-c,d)Pyrene	< 0.50	ug/l	N	S	
			N/A	Ioxynil	< 0.50	ug/l	N	S	
			N/A	Isophorone	< 0.50	ug/l	N	S	
			N/A	Isopropylbenzene	< 1.0	ug/l	N	S	
			N/A	List 1 CT (McQuillan)	-				
			N/A	m & p-Xylene	< 1.0	ug/l	N	S	
			N/A	Malathion	< 0.20	ug/l	N	S	
			N/A	Mercury (Total)	0.12	ug/l	N	S	
			N/A	Methoxychlor	< 0.20	ug/l	N	S	
			N/A	Methyl parathion	< 1.0	ug/l	N	S	
			N/A	Methyl Tert-Butyl Ether	< 1.0	ug/l	N	S	
			N/A	Mevinphos	< 0.20	ug/l	N	S	
			N/A	Mineral Oil	210	ug/l	N	S	
			N/A	Naphthalene	0.196	ug/l	N	S	
			N/A	N-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Nitrobenzene	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodimethylamine	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodi-n-propylamine	< 0.50	ug/l	N	S	
			N/A	N-Propylbenzene	< 1.0	ug/l	N	S	
			N/A	o-Xylene	< 1.0	ug/l	Y	S	
			N/A	Parathion	< 0.20	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ087999	TL	14/12/2021	N/A	Pendimethalin	< 5	ug/l	N	S	
			N/A	Pentachlorophenol	< 0.20	ug/l	N	S	
			N/A	Permethrin	< 0.50	mg/l	N	S	
			N/A	Phenanthrene	< 0.50	ug/l	N	S	
			N/A	Phenol	< 0.20	ug/l	Y	S	
			N/A	Phorate	< 0.20	ug/l	N	S	
			N/A	Phosalone	< 0.20	ug/l	N	S	
			N/A	Prometon	< 0.20	ug/l	N	S	
			N/A	Prometryn	< 0.20	ug/l	N	S	
			N/A	Propazine	< 0.20	ug/l	N	S	
			N/A	Propetamphos	< 0.20	ug/l	N	S	
			N/A	Prothiofos	< 0.20	ug/l	N	S	
			N/A	Pyrene	< 0.50	ug/l	N	S	
			N/A	Qunitozene	< 5	ug/l	N	S	
			N/A	Secbumeton	< 0.20	ug/l	N	S	
			N/A	Sec-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Simazine	< 0.20	ug/l	N	S	
			N/A	Simetryn	< 0.20	ug/l	N	S	
			N/A	Styrene	< 1.0	ug/l	N	S	
			N/A	Sulprofos	< 0.20	ug/l	N	S	
			N/A	Tecnazene	< 5	ug/l	N	S	
			N/A	Terbutylazine	< 0.20	ug/l	N	S	
			N/A	Terbutryn	< 0.20	ug/l	N	S	
			N/A	Tert-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Tetrachloroethene	< 1.0	ug/l	N	S	
			N/A	Tetrachloromethane	< 1.0	ug/l	N	S	
			N/A	Toluene	< 1.0	ug/l	Y	S	
			N/A	Total Phenols	< 5.0	ug/l	Y	S	
			N/A	Trans 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	Trans-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Triallate	< 0.20	ug/l	N	S	
			N/A	Triazophos	< 0.20	ug/l	N	S	
			N/A	Tribromomethane	< 1.0	ug/l	N	S	
			N/A	Tributyl Tin	< 0.050	ug/l	N	S	
			N/A	Trichloroethene	< 1.0	ug/l	N	S	
			N/A	Trichlorofluoromethane	< 1.0	ug/l	N	S	
			N/A	Trichloromethane	< 1.0	ug/l	N	S	
			N/A	Trichloronate	< 0.20	ug/l	N	S	
			N/A	Trifluralin	< 0.20	ug/l	N	S	
			N/A	Triphenyl Tin	< 0.050	ug/l	N	S	
			N/A	Vinyl Chloride	< 1.0	ug/l	N	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	Y	S	
			N/A	Cresols	<0.006	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	Y	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
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Time Sampled: 12:10 **Sample Matrix:** Landfill Leachate **Analysyt Comment:** Mecoprop reporting limit raised due to nature of sample matrix.

MCQ088000	RL	14/12/2021	SAM031	Alkalinity, Total	8,260	mg/l	Y	MCQ	\$@
			SAM031	Ammonia as N	1,540	mg/l	Y	MCQ	
			N/A	Arsenic (tot.unfilt)	149	ug/l	Y	S	
			SAM016	BOD (ATU)	105	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<5	ug/l	Y	S	
			SAM038TM	Calcium Tot	139.00	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	1,780	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	499	ug/l	Y	S	
			SAM009	COD (Total)	3,650	mg/l	Y	MCQ	
			SAM005	Electrical Conductivity	20,300	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	12.7	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	23.9	ug/l	Y	S	
			SAM038TM	Magnesium Tot	75.10	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	1,020	ug/l	Y	S	
			N/A	Mecoprop	43.6	ug/l	Y	S	
			N/A	Mercury (tot.unfilt)	<2	ug/l	Y	S	
			N/A	Naphthalene	3.5	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	259	ug/l	Y	S	
			SAM004	pH	7.71	Units	Y	MCQ	
			SAM038TM	Potassium Tot	773.00	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	1,700.00	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	570.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	34	mg/l	Y	MCQ	
			N/A	TOC		mg/l	Y	S	
			SAM031	TON as N	0.48	mg/l	Y	MCQ	
			N/A	Zinc (tot.unfilt)	426	ug/l	Y	S	
			N/A	1,1,1,2-Tetrachloroethane	< 2.0	ug/l	N	S	
			N/A	1,1,1,1-Trichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1,1,2-Trichloroethane	< 10	ug/l	N	S	
			N/A	1,1-Dichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloropropene	< 1.0	ug/l	N	S	
			N/A	1,2,3-Trichlorobenzene	< 2.0	ug/l	N	S	
			N/A	1,2,3-Trichloropropane	< 50	ug/l	N	S	
			N/A	1,2,4-Trichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2,4-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,2-Dibromo-3-Chloropropane	< 50	ug/l	N	S	
			N/A	1,2-Dibromoethane	< 5	ug/l	N	S	
			N/A	1,2-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2-Dichloroethane	< 2.0	ug/l	N	S	
			N/A	1,2-Dichloropropane	< 1.0	ug/l	N	S	
			N/A	1,3,5-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,3-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,3-Dichloropropane	< 2.0	ug/l	N	S	
			N/A	1,4-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	2,3,4,5-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4,6-Tetrachlorophenol	< 0.20	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ088000	RL	14/12/2021	N/A	2,3,4-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dimethylphenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2,6-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,6-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2-Chloronaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Chlorophenol	< 0.20	ug/l	N	S	
			N/A	2-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	2-Methyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Methylnaphthalene	4.8	ug/l	N	S	
			N/A	2-Methylphenol (o-Cresol)	< 0.20	ug/l	N	S	
			N/A	2-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	2-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Sec-Butyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	3,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	3-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4,4-DDD	< 0.20	ug/l	N	S	
			N/A	4,4-DDE	< 0.20	ug/l	N	S	
			N/A	4,4-DDT	< 0.20	ug/l	N	S	
			N/A	4-Bromophenylphenyl Ether	< 0.50	ug/l	N	S	
			N/A	4-Chloro-3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Chloroaniline	< 0.50	ug/l	N	S	
			N/A	4-Chlorophenylphenylether	< 0.50	ug/l	N	S	
			N/A	4-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	4-Isopropyltoluene	< 1.0	ug/l	N	S	
			N/A	4-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	Acenaphthene	1.1	ug/l	N	S	
			N/A	Acenaphthylene	< 0.50	ug/l	N	S	
			N/A	Aldrin	< 0.20	ug/l	N	S	
			N/A	Alpha-Chlordane	< 0.20	ug/l	N	S	
			N/A	Alpha-HCH	< 0.20	ug/l	N	S	
			N/A	Ametryn	< 0.20	ug/l	N	S	
			N/A	Anthracene	< 0.50	ug/l	N	S	
			N/A	Atraton	< 0.20	ug/l	N	S	
			N/A	Atrazine	< 0.20	ug/l	N	S	
			N/A	Azinphos-ethyl	< 0.20	ug/l	N	S	
			N/A	Azinphos-Methyl	< 0.20	ug/l	N	S	
			N/A	Azobenzene	< 0.50	ug/l	N	S	
			N/A	Benzene	< 1.0	ug/l	Y	S	
			N/A	Benzo[a]anthracene	< 0.50	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ088000	RL	14/12/2021	N/A	Benzo[a]pyrene	< 0.50	ug/l	N	S	
			N/A	Benzo[b]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Benzo[g,h,i]perylene	< 0.50	ug/l	N	S	
			N/A	Benzo[k]fluoranthene	< 0.50	ug/l	N	S	
			N/A	Beta-HCH	< 0.20	ug/l	N	S	
			N/A	Bis(2-Chloroethoxy)Methane	< 0.50	ug/l	N	S	
			N/A	Bis-(2-Chloroethyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Chloroisopropyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Ethylhexyl)Phthalate	< 0.50	ug/l	N	S	
			N/A	Bromobenzene	< 1.0	ug/l	N	S	
			N/A	Bromochloromethane	< 5	ug/l	N	S	
			N/A	Bromodichloromethane	< 5	ug/l	N	S	
			N/A	Bromomethane	< 5	ug/l	N	S	
			N/A	Bromoxynil	< 0.50	ug/l	N	S	
			N/A	Butylbenzyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Cadmium (Total)	< 0.11	ug/l	N	S	
			N/A	Carbazole	< 0.50	ug/l	N	S	
			N/A	Carbon Tetrachloride	< 10	ug/l	N	S	
			N/A	Carbophenothion	< 0.50	ug/l	N	S	
			N/A	Chlorfenvinphos	< 0.20	ug/l	N	S	
			N/A	Chlorobenzene	2.8	ug/l	N	S	
			N/A	Chloroethane	< 2.0	ug/l	N	S	
			N/A	Chloroform	< 10	ug/l	N	S	
			N/A	Chloromethane	< 1.0	ug/l	N	S	
			N/A	Chlorothalonil	< 0.50	ug/l	N	S	
			N/A	Chlorpynifos	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos-methyl	< 0.20	ug/l	N	S	
			N/A	Chrysene	< 0.50	ug/l	N	S	
			N/A	cis-1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	cis-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Coumaphos	< 0.20	ug/l	N	S	
			N/A	Delta-HCH	< 0.20	ug/l	N	S	
			N/A	Demeton-O	< 0.20	ug/l	N	S	
			N/A	Demeton-S	< 0.20	ug/l	N	S	
			N/A	Diazinon	< 0.50	ug/l	N	S	
			N/A	Dibenz(a,h)Anthracene	< 0.50	ug/l	N	S	
			N/A	Dibenzofuran	< 0.50	ug/l	N	S	
			N/A	Dibromochloromethane	< 10	ug/l	N	S	
			N/A	Dibromomethane	< 10	ug/l	N	S	
			N/A	Dibutyl Tin	< 0.050	ug/l	N	S	
			N/A	Dichlorodifluoromethane	< 1.0	ug/l	N	S	
			N/A	Dichlorvos	< 0.50	ug/l	N	S	
			N/A	Dieldrin	< 0.20	ug/l	N	S	
			N/A	Diethyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dimethoate	< 0.20	ug/l	N	S	
			N/A	Dimethylphthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Butyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Octyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dinoseb	< 1.0	ug/l	N	S	



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MCQ088000	RL	14/12/2021	N/A	Disulfoton	< 1.0	ug/l	N	S	
			N/A	Endosulfan I	< 0.20	ug/l	N	S	
			N/A	Endosulfan II	< 0.20	ug/l	N	S	
			N/A	Endosulfan Sulphate	< 0.20	ug/l	N	S	
			N/A	Endrin	< 0.20	ug/l	N	S	
			N/A	Endrin Aldehyde	< 0.20	ug/l	N	S	
			N/A	Endrin Ketone	< 0.20	ug/l	N	S	
			N/A	Ethion	< 0.50	ug/l	N	S	
			N/A	Ethylbenzene	< 1.0	ug/l	Y	S	
			N/A	Etrimphos	< 0.20	ug/l	N	S	
			N/A	Fenitrothion	< 0.20	ug/l	N	S	
			N/A	Fensulphothion	< 0.20	ug/l	N	S	
			N/A	Fenthion	< 0.20	ug/l	N	S	
			N/A	Fluoranthene	0.53	ug/l	N	S	
			N/A	Fluorene	< 0.50	ug/l	N	S	
			N/A	Gamma-Chlordane	< 0.20	ug/l	N	S	
			N/A	Gamma-Lindane	< 0.20	ug/l	N	S	
			N/A	Heptachlor	< 0.20	ug/l	N	S	
			N/A	Heptachlor Epoxide	< 0.20	ug/l	N	S	
			N/A	Hexachlorobenzene	< 0.50	ug/l	N	S	
			N/A	Hexachlorobutadiene	< 0.50	ug/l	N	S	
			N/A	Hexachlorocyclopentadiene	< 0.50	ug/l	N	S	
			N/A	Hexachloroethane	< 0.50	ug/l	N	S	
			N/A	Indeno(1,2,3-c,d)Pyrene	< 0.50	ug/l	N	S	
			N/A	Ioxynil	< 0.50	ug/l	N	S	
			N/A	Isophorone	< 0.50	ug/l	N	S	
			N/A	Isopropylbenzene	< 1.0	ug/l	N	S	
			N/A	List 1 CT (McQuillan)	-				
			N/A	m & p-Xylene	< 1.0	ug/l	N	S	
			N/A	Malathion	< 0.20	ug/l	N	S	
			N/A	Mercury (Total)	0.09	ug/l	N	S	
			N/A	Methoxychlor	< 0.20	ug/l	N	S	
			N/A	Methyl parathion	< 1.0	ug/l	N	S	
			N/A	Methyl Tert-Butyl Ether	1.1	ug/l	N	S	
			N/A	Mevinphos	< 0.20	ug/l	N	S	
			N/A	Mineral Oil	1100	ug/l	N	S	
			N/A	Naphthalene	1.26	ug/l	N	S	
			N/A	N-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Nitrobenzene	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodimethylamine	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodi-n-propylamine	< 0.50	ug/l	N	S	
			N/A	N-Propylbenzene	< 1.0	ug/l	N	S	
			N/A	o-Xylene	< 1.0	ug/l	Y	S	
			N/A	Parathion	< 0.20	ug/l	N	S	
			N/A	Pendimethalin	< 5	ug/l	N	S	
			N/A	Pentachlorophenol	< 0.20	ug/l	N	S	
			N/A	Permethrin	< 0.50	mg/l	N	S	
			N/A	Phenanthrene	1.3	ug/l	N	S	
			N/A	Phenol	< 0.20	ug/l	Y	S	



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MCQ088000	RL	14/12/2021	N/A	Phorate	< 0.20	ug/l	N	S	
			N/A	Phosalone	< 0.20	ug/l	N	S	
			N/A	Prometon	< 0.20	ug/l	N	S	
			N/A	Prometryn	< 0.20	ug/l	N	S	
			N/A	Propazine	< 0.20	ug/l	N	S	
			N/A	Propetamphos	< 0.20	ug/l	N	S	
			N/A	Prothiofos	< 0.20	ug/l	N	S	
			N/A	Pyrene	0.62	ug/l	N	S	
			N/A	Qunitozene	< 5	ug/l	N	S	
			N/A	Sebumeeton	< 0.20	ug/l	N	S	
			N/A	Sec-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Simazine	< 0.20	ug/l	N	S	
			N/A	Simetryn	< 0.20	ug/l	N	S	
			N/A	Styrene	< 1.0	ug/l	N	S	
			N/A	Sulprofos	< 0.20	ug/l	N	S	
			N/A	Tecnazene	< 5	ug/l	N	S	
			N/A	Terbutylazine	< 0.20	ug/l	N	S	
			N/A	Terbutryn	< 0.20	ug/l	N	S	
			N/A	Tert-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Tetrachloroethene	< 1.0	ug/l	N	S	
			N/A	Tetrachloromethane	< 1.0	ug/l	N	S	
			N/A	Toluene	< 1.0	ug/l	Y	S	
			N/A	Total Phenols	< 5.0	ug/l	Y	S	
			N/A	Trans 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	Trans-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Triallate	< 0.20	ug/l	N	S	
			N/A	Triazophos	< 0.20	ug/l	N	S	
			N/A	Tribromomethane	< 1.0	ug/l	N	S	
			N/A	Tributyl Tin	< 0.050	ug/l	N	S	
			N/A	Trichloroethene	< 1.0	ug/l	N	S	
			N/A	Trichlorofluoromethane	< 1.0	ug/l	N	S	
			N/A	Trichloromethane	< 1.0	ug/l	N	S	
			N/A	Trichloronate	< 0.20	ug/l	N	S	
			N/A	Trifluralin	< 0.20	ug/l	N	S	
			N/A	Triphenyl Tin	< 0.050	ug/l	N	S	
			N/A	Vinyl Chloride	< 1.0	ug/l	N	S	
			N/A	2,3,5-Trimethylphenol	<0.03	mg/l	Y	S	
			N/A	2-Isopropylphenol	<0.06	mg/l	Y	S	
			N/A	Cresols	0.08	mg/l	Y	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.25	mg/l	N	S	
			N/A	Xylenols	<0.08	mg/l	Y	S	

Time Sampled: 11:40 Sample Matrix: Landfill Leachate Analysyt Comment:

MCQ088001	SW2	14/12/2021	SAM031	Alkalinity, Total	128	mg/l	Y	MCQ	
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	1.12	mg/l	Y	MCQ	@



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MCQ088001	SW2	14/12/2021	N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	77.80	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	22.6	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			N/A	Copper (tot.unfilt)	2.84	ug/l	Y	S	
			MCQ- DO	Dissolved Oxygen	9.06	mg/l	N	MCQ	
			SAM005	Electrical Conductivity	709	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.09	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	28.70	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	43.2	ug/l	Y	S	
			N/A	Mecoprop	0.06	ug/l	Y	S	
			N/A	Naphthalene	< 0.50	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	5.6	ug/l	Y	S	
			SAM004	pH	7.49	Units	Y	MCQ	
			SAM038TM	Potassium Tot	6.54	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	16.30	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	188.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	5	mg/l	Y	MCQ	
			SAM031	TON as N	2.62	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	35	mg/l	Y	S	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
			N/A	Zinc (tot.unfilt)	<5	ug/l	Y	S	
			N/A	1,1,1,2-Tetrachloroethane	< 2.0	ug/l	N	S	
			N/A	1,1,1-Trichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1,2-Trichloroethane	< 10	ug/l	N	S	
			N/A	1,1-Dichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloropropene	< 1.0	ug/l	N	S	
			N/A	1,2,3-Trichlorobenzene	< 2.0	ug/l	N	S	
			N/A	1,2,3-Trichloropropane	< 50	ug/l	N	S	
			N/A	1,2,4-Trichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2,4-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,2-Dibromo-3-Chloropropane	< 50	ug/l	N	S	
			N/A	1,2-Dibromoethane	< 5	ug/l	N	S	
			N/A	1,2-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2-Dichloroethane	< 2.0	ug/l	N	S	
			N/A	1,2-Dichloropropane	< 1.0	ug/l	N	S	
			N/A	1,3,5-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,3-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,3-Dichloropropane	< 2.0	ug/l	N	S	
			N/A	1,4-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	2,3,4,5-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,6-Trichlorophenol	< 0.20	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ088001	SW2	14/12/2021	N/A	2,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dimethylphenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2,6-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,6-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2-Chloronaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Chlorophenol	< 0.20	ug/l	N	S	
			N/A	2-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	2-Methyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Methylnaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Methylphenol (o-Cresol)	< 0.20	ug/l	N	S	
			N/A	2-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	2-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Sec-Butyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	3,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	3-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4,4-DDD	< 0.20	ug/l	N	S	
			N/A	4,4-DDE	< 0.20	ug/l	N	S	
			N/A	4,4-DDT	< 0.20	ug/l	N	S	
			N/A	4-Bromophenylphenyl Ether	< 0.50	ug/l	N	S	
			N/A	4-Chloro-3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Chloroaniline	< 0.50	ug/l	N	S	
			N/A	4-Chlorophenylphenylether	< 0.50	ug/l	N	S	
			N/A	4-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	4-Isopropyltoluene	< 1.0	ug/l	N	S	
			N/A	4-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	Acenaphthene	< 0.50	ug/l	Y	S	
			N/A	Acenaphthylene	< 0.50	ug/l	Y	S	
			N/A	Aldrin	< 0.20	ug/l	N	S	
			N/A	Alpha-Chlordane	< 0.20	ug/l	N	S	
			N/A	Alpha-HCH	< 0.20	ug/l	N	S	
			N/A	Ametryn	< 0.20	ug/l	N	S	
			N/A	Anthracene	< 0.50	ug/l	Y	S	
			N/A	Atraton	< 0.20	ug/l	N	S	
			N/A	Atrazine	< 0.20	ug/l	N	S	
			N/A	Azinphos-ethyl	< 0.20	ug/l	N	S	
			N/A	Azinphos-Methyl	< 0.20	ug/l	N	S	
			N/A	Azobenzene	< 0.50	ug/l	N	S	
			N/A	Benzene	< 1.0	ug/l	Y	S	
			N/A	Benzo[a]anthracene	< 0.50	ug/l	Y	S	
			N/A	Benzo[a]pyrene	< 0.50	ug/l	Y	S	
			N/A	Benzo[b]fluoranthene	< 0.50	ug/l	Y	S	
			N/A	Benzo[g,h,i]perylene	< 0.50	ug/l	N	S	
			N/A	Benzo[k]fluoranthene	< 0.50	ug/l	Y	S	



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MCQ088001	SW2	14/12/2021	N/A	Beta-HCH	< 0.20	ug/l	N	S	
			N/A	Bis(2-Chloroethoxy)Methane	< 0.50	ug/l	N	S	
			N/A	Bis-(2-Chloroethyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Chloroisopropyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Ethylhexyl)Phthalate	< 0.50	ug/l	N	S	
			N/A	Bromobenzene	< 1.0	ug/l	N	S	
			N/A	Bromochloromethane	< 5	ug/l	N	S	
			N/A	Bromodichloromethane	< 5	ug/l	N	S	
			N/A	Bromomethane	< 5	ug/l	N	S	
			N/A	Bromoxynil	< 0.50	ug/l	N	S	
			N/A	Butylbenzyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Cadmium (Total)	< 0.11	ug/l	N	S	
			N/A	Carbazole	< 0.50	ug/l	N	S	
			N/A	Carbon Tetrachloride	< 10	ug/l	N	S	
			N/A	Carbophenothion	< 0.50	ug/l	N	S	
			N/A	Chlorfenvinphos	< 0.20	ug/l	N	S	
			N/A	Chlorobenzene	< 1.0	ug/l	N	S	
			N/A	Chloroethane	< 2.0	ug/l	N	S	
			N/A	Chloroform	< 10	ug/l	N	S	
			N/A	Chloromethane	< 1.0	ug/l	N	S	
			N/A	Chlorothalonil	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos-methyl	< 0.20	ug/l	N	S	
			N/A	Chrysene	< 0.50	ug/l	N	S	
			N/A	cis 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	cis-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Coumaphos	< 0.20	ug/l	N	S	
			N/A	Delta-HCH	< 0.20	ug/l	N	S	
			N/A	Demeton-O	< 0.20	ug/l	N	S	
			N/A	Demeton-S	< 0.20	ug/l	N	S	
			N/A	Diazinon	< 0.50	ug/l	N	S	
			N/A	Dibenz(a,h)Anthracene	< 0.50	ug/l	Y	S	
			N/A	Dibenzofuran	< 0.50	ug/l	N	S	
			N/A	Dibromochloromethane	< 10	ug/l	N	S	
			N/A	Dibromomethane	< 10	ug/l	N	S	
			N/A	Dibutyl Tin	< 0.050	ug/l	N	S	
			N/A	Dichlorodifluoromethane	< 1.0	ug/l	N	S	
			N/A	Dichlorvos	< 0.50	ug/l	N	S	
			N/A	Dieldrin	< 0.20	ug/l	N	S	
			N/A	Diethyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dimethoate	< 0.20	ug/l	N	S	
			N/A	Dimethylphthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Butyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Octyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dinoseb	< 1.0	ug/l	N	S	
			N/A	Disulfoton	< 1.0	ug/l	N	S	
			N/A	Endosulfan I	< 0.20	ug/l	N	S	
			N/A	Endosulfan II	< 0.20	ug/l	N	S	
			N/A	Endosulfan Sulphate	< 0.20	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ088001	SW2	14/12/2021	N/A	Endrin	< 0.20	ug/l	N	S	
			N/A	Endrin Aldehyde	< 0.20	ug/l	N	S	
			N/A	Endrin Ketone	< 0.20	ug/l	N	S	
			N/A	Ethion	< 0.50	ug/l	N	S	
			N/A	Ethylbenzene	< 1.0	ug/l	Y	S	
			N/A	Etrimphos	< 0.20	ug/l	N	S	
			N/A	Fenitrothion	< 0.20	ug/l	N	S	
			N/A	Fensulphothion	< 0.20	ug/l	N	S	
			N/A	Fenthion	< 0.20	ug/l	N	S	
			N/A	Fluoranthene	< 0.50	ug/l	Y	S	
			N/A	Fluorene	< 0.50	ug/l	Y	S	
			N/A	Gamma-Chlordane	< 0.20	ug/l	N	S	
			N/A	Gamma-Lindane	< 0.20	ug/l	N	S	
			N/A	Heptachlor	< 0.20	ug/l	N	S	
			N/A	Heptachlor Epoxide	< 0.20	ug/l	N	S	
			N/A	Hexachlorobenzene	< 0.50	ug/l	N	S	
			N/A	Hexachlorobutadiene	< 0.50	ug/l	N	S	
			N/A	Hexachlorocyclopentadiene	< 0.50	ug/l	N	S	
			N/A	Hexachloroethane	< 0.50	ug/l	N	S	
			N/A	Indeno(1,2,3-c,d)Pyrene	< 0.50	ug/l	Y	S	
			N/A	Ioxynil	< 0.50	ug/l	N	S	
			N/A	Isophorone	< 0.50	ug/l	N	S	
			N/A	Isopropylbenzene	< 1.0	ug/l	N	S	
			N/A	List 1 CT (McQuillan)		-			
			N/A	m & p-Xylene	< 1.0	ug/l	N	S	
			N/A	Malathion	< 0.20	ug/l	N	S	
			N/A	Mercury (Total)	< 0.05	ug/l	N	S	
			N/A	Methoxychlor	< 0.20	ug/l	N	S	
			N/A	Methyl parathion	< 1.0	ug/l	N	S	
			N/A	Methyl Tert-Butyl Ether	< 1.0	ug/l	N	S	
			N/A	Mevinphos	< 0.20	ug/l	N	S	
			N/A	Mineral Oil	< 10	ug/l	N	S	
			N/A	Naphthalene	< 0.01	ug/l	Y	S	
			N/A	N-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Nitrobenzene	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodimethylamine	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodi-n-propylamine	< 0.50	ug/l	N	S	
			N/A	N-Propylbenzene	< 1.0	ug/l	N	S	
			N/A	o-Xylene	< 1.0	ug/l	Y	S	
			N/A	Parathion	< 0.20	ug/l	N	S	
			N/A	Pendimethalin	< 5	ug/l	N	S	
			N/A	Pentachlorophenol	< 0.20	ug/l	N	S	
			N/A	Permethrin	< 0.50	mg/l	N	S	
			N/A	Phenanthrene	< 0.50	ug/l	Y	S	
			N/A	Phenol	< 0.20	ug/l	Y	S	
			N/A	Phorate	< 0.20	ug/l	N	S	
			N/A	Phosalone	< 0.20	ug/l	N	S	
			N/A	Prometon	< 0.20	ug/l	N	S	
			N/A	Prometryn	< 0.20	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ088001	SW2	14/12/2021	N/A	Propazine	< 0.20	ug/l	N	S	
			N/A	Propetamphos	< 0.20	ug/l	N	S	
			N/A	Prothiofos	< 0.20	ug/l	N	S	
			N/A	Pyrene	< 0.50	ug/l	Y	S	
			N/A	Qunitozene	< 5	ug/l	N	S	
			N/A	Secbumeton	< 0.20	ug/l	N	S	
			N/A	Sec-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Simazine	< 0.20	ug/l	N	S	
			N/A	Simetryn	< 0.20	ug/l	N	S	
			N/A	Styrene	< 1.0	ug/l	N	S	
			N/A	Sulprofos	< 0.20	ug/l	N	S	
			N/A	Tecnazene	< 5	ug/l	N	S	
			N/A	Terbutylazine	< 0.20	ug/l	N	S	
			N/A	Terbutryn	< 0.20	ug/l	N	S	
			N/A	Tert-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Tetrachloroethene	< 1.0	ug/l	N	S	
			N/A	Tetrachloromethane	< 1.0	ug/l	N	S	
			N/A	Toluene	< 1.0	ug/l	Y	S	
			N/A	Total Phenols	< 5.0	ug/l	Y	S	
			N/A	Trans 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	Trans-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Triallate	< 0.20	ug/l	N	S	
			N/A	Triazophos	< 0.20	ug/l	N	S	
			N/A	Tribromomethane	< 1.0	ug/l	N	S	
			N/A	Tributyl Tin	< 0.050	ug/l	N	S	
			N/A	Trichloroethene	< 1.0	ug/l	N	S	
			N/A	Trichlorofluoromethane	< 1.0	ug/l	N	S	
			N/A	Trichloromethane	< 1.0	ug/l	N	S	
			N/A	Trichloronate	< 0.20	ug/l	N	S	
			N/A	Trifluralin	< 0.20	ug/l	N	S	
			N/A	Triphenyl Tin	< 0.050	ug/l	N	S	
			N/A	Vinyl Chloride	< 1.0	ug/l	N	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S	
			N/A	Cresols	<0.006	mg/l	N	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	N	S	

Time Sampled: 13:20
Sample Matrix: Surface Water
Analysyt Comment:

MCQ088002	SW3	14/12/2021	SAM031	Alkalinity, Total	121	mg/l	Y	MCQ	8@
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	42.80	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	40.0	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	



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MCQ088002	SW3	14/12/2021	SAM009	COD (Total)	26	mg/l	Y	MCQ	
			N/A	Copper (tot.unfilt)	1.08	ug/l	Y	S	
			MCQ- DO	Dissolved Oxygen	8.66	mg/l	N	MCQ	
			SAM005	Electrical Conductivity	472	uS/cm	Y	MCQ	
			N/A	Iron (tot.unfilt)	0.444	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	13.40	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	73.8	ug/l	Y	S	
			N/A	Mecoprop	<0.04	ug/l	Y	S	
			N/A	Naphthalene	< 0.50	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	2.78	ug/l	Y	S	
			SAM004	pH	7.13	Units	Y	MCQ	
			SAM038TM	Potassium Tot	2.88	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	21.90	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	48.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	28	mg/l	Y	MCQ	
			SAM031	TON as N	3.96	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	30	mg/l	Y	S	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
			N/A	Zinc (tot.unfilt)	8.41	ug/l	Y	S	
			N/A	1,1,1,2-Tetrachloroethane	< 2.0	ug/l	N	S	
			N/A	1,1,1-Trichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1,2-Trichloroethane	< 10	ug/l	N	S	
			N/A	1,1-Dichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloropropene	< 1.0	ug/l	N	S	
			N/A	1,2,3-Trichlorobenzene	< 2.0	ug/l	N	S	
			N/A	1,2,3-Trichloropropane	< 50	ug/l	N	S	
			N/A	1,2,4-Trichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2,4-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,2-Dibromo-3-Chloropropane	< 50	ug/l	N	S	
			N/A	1,2-Dibromoethane	< 5	ug/l	N	S	
			N/A	1,2-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2-Dichloroethane	< 2.0	ug/l	N	S	
			N/A	1,2-Dichloropropane	< 1.0	ug/l	N	S	
			N/A	1,3,5-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,3-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,3-Dichloropropane	< 2.0	ug/l	N	S	
			N/A	1,4-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	2,3,4,5-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dimethylphenol	< 0.20	ug/l	N	S	



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MCQ088002	SW3	14/12/2021	N/A	2,4-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2,6-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,6-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2-Chloronaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Chlorophenol	< 0.20	ug/l	N	S	
			N/A	2-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	2-Methyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Methylnaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Methylphenol (o-Cresol)	< 0.20	ug/l	N	S	
			N/A	2-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	2-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Sec-Butyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	3,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	3-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4,4-DDD	< 0.20	ug/l	N	S	
			N/A	4,4-DDE	< 0.20	ug/l	N	S	
			N/A	4,4-DDT	< 0.20	ug/l	N	S	
			N/A	4-Bromophenylphenyl Ether	< 0.50	ug/l	N	S	
			N/A	4-Chloro-3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Chloroaniline	< 0.50	ug/l	N	S	
			N/A	4-Chlorophenylphenylether	< 0.50	ug/l	N	S	
			N/A	4-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	4-Isopropyltoluene	< 1.0	ug/l	N	S	
			N/A	4-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	Acenaphthene	< 0.50	ug/l	Y	S	
			N/A	Acenaphthylene	< 0.50	ug/l	Y	S	
			N/A	Aldrin	< 0.20	ug/l	N	S	
			N/A	Alpha-Chlordane	< 0.20	ug/l	N	S	
			N/A	Alpha-HCH	< 0.20	ug/l	N	S	
			N/A	Ametryn	< 0.20	ug/l	N	S	
			N/A	Anthracene	< 0.50	ug/l	Y	S	
			N/A	Atraton	< 0.20	ug/l	N	S	
			N/A	Atrazine	< 0.20	ug/l	N	S	
			N/A	Azinphos-ethyl	< 0.20	ug/l	N	S	
			N/A	Azinphos-Methyl	< 0.20	ug/l	N	S	
			N/A	Azobenzene	< 0.50	ug/l	N	S	
			N/A	Benzene	< 1.0	ug/l	Y	S	
			N/A	Benzo[a]anthracene	< 0.50	ug/l	Y	S	
			N/A	Benzo[a]pyrene	< 0.50	ug/l	Y	S	
			N/A	Benzo[b]fluoranthene	< 0.50	ug/l	Y	S	
			N/A	Benzo[g,h,i]perylene	< 0.50	ug/l	N	S	
			N/A	Benzo[k]fluoranthene	< 0.50	ug/l	Y	S	
			N/A	Beta-HCH	< 0.20	ug/l	N	S	
			N/A	Bis(2-Chloroethoxy)Methane	< 0.50	ug/l	N	S	
			N/A	Bis-(2-Chloroethyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Chloroisopropyl)Ether	< 0.50	ug/l	N	S	



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MCQ088002	SW3	14/12/2021	N/A	Bis(2-Ethylhexyl)Phthalate	< 0.50	ug/l	N	S	
			N/A	Bromobenzene	< 1.0	ug/l	N	S	
			N/A	Bromochloromethane	< 5	ug/l	N	S	
			N/A	Bromodichloromethane	< 5	ug/l	N	S	
			N/A	Bromomethane	< 5	ug/l	N	S	
			N/A	Bromoxynil	< 0.50	ug/l	N	S	
			N/A	Butylbenzyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Cadmium (Total)	< 0.11	ug/l	N	S	
			N/A	Carbazole	< 0.50	ug/l	N	S	
			N/A	Carbon Tetrachloride	< 10	ug/l	N	S	
			N/A	Carbophenothion	< 0.50	ug/l	N	S	
			N/A	Chlorfenvinphos	< 0.20	ug/l	N	S	
			N/A	Chlorobenzene	< 1.0	ug/l	N	S	
			N/A	Chloroethane	< 2.0	ug/l	N	S	
			N/A	Chloroform	< 10	ug/l	N	S	
			N/A	Chloromethane	< 1.0	ug/l	N	S	
			N/A	Chlorothalonil	< 0.50	ug/l	N	S	
			N/A	Chlorpynifos	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos-methyl	< 0.20	ug/l	N	S	
			N/A	Chrysene	< 0.50	ug/l	N	S	
			N/A	cis 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	cis-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Coumaphos	< 0.20	ug/l	N	S	
			N/A	Delta-HCH	< 0.20	ug/l	N	S	
			N/A	Demeton-O	< 0.20	ug/l	N	S	
			N/A	Demeton-S	< 0.20	ug/l	N	S	
			N/A	Diazinon	< 0.50	ug/l	N	S	
			N/A	Dibenz(a,h)Anthracene	< 0.50	ug/l	Y	S	
			N/A	Dibenzofuran	< 0.50	ug/l	N	S	
			N/A	Dibromochloromethane	< 10	ug/l	N	S	
			N/A	Dibromomethane	< 10	ug/l	N	S	
			N/A	Dibutyl Tin	< 0.050	ug/l	N	S	
			N/A	Dichlorodifluoromethane	< 1.0	ug/l	N	S	
			N/A	Dichlorvos	< 0.50	ug/l	N	S	
			N/A	Dieldrin	< 0.20	ug/l	N	S	
			N/A	Diethyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dimethoate	< 0.20	ug/l	N	S	
			N/A	Dimethylphthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Butyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Octyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dinoseb	< 1.0	ug/l	N	S	
			N/A	Disulfoton	< 1.0	ug/l	N	S	
			N/A	Endosulfan I	< 0.20	ug/l	N	S	
			N/A	Endosulfan II	< 0.20	ug/l	N	S	
			N/A	Endosulfan Sulphate	< 0.20	ug/l	N	S	
			N/A	Endrin	< 0.20	ug/l	N	S	
			N/A	Endrin Aldehyde	< 0.20	ug/l	N	S	
			N/A	Endrin Ketone	< 0.20	ug/l	N	S	
			N/A	Ethion	< 0.50	ug/l	N	S	



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MCQ088002	SW3	14/12/2021	N/A	Ethylbenzene	< 1.0	ug/l	Y	S	
			N/A	Etrimphos	< 0.20	ug/l	N	S	
			N/A	Fenitrothion	< 0.20	ug/l	N	S	
			N/A	Fensulphothion	< 0.20	ug/l	N	S	
			N/A	Fenthion	< 0.20	ug/l	N	S	
			N/A	Fluoranthene	< 0.50	ug/l	Y	S	
			N/A	Fluorene	< 0.50	ug/l	Y	S	
			N/A	Gamma-Chlordane	< 0.20	ug/l	N	S	
			N/A	Gamma-Lindane	< 0.20	ug/l	N	S	
			N/A	Heptachlor	< 0.20	ug/l	N	S	
			N/A	Heptachlor Epoxide	< 0.20	ug/l	N	S	
			N/A	Hexachlorobenzene	< 0.50	ug/l	N	S	
			N/A	Hexachlorobutadiene	< 0.50	ug/l	N	S	
			N/A	Hexachlorocyclopentadiene	< 0.50	ug/l	N	S	
			N/A	Hexachloroethane	< 0.50	ug/l	N	S	
			N/A	Indeno(1,2,3-c,d)Pyrene	< 0.50	ug/l	Y	S	
			N/A	Ioxynil	< 0.50	ug/l	N	S	
			N/A	Isophorone	< 0.50	ug/l	N	S	
			N/A	Isopropylbenzene	< 1.0	ug/l	N	S	
			N/A	List 1 CT (McQuillan)	-	-			
			N/A	m & p-Xylene	< 1.0	ug/l	N	S	
			N/A	Malathion	< 0.20	ug/l	N	S	
			N/A	Mercury (Total)	< 0.05	ug/l	N	S	
			N/A	Methoxychlor	< 0.20	ug/l	N	S	
			N/A	Methyl parathion	< 1.0	ug/l	N	S	
			N/A	Methyl Tert-Butyl Ether	< 1.0	ug/l	N	S	
			N/A	Mevinphos	< 0.20	ug/l	N	S	
			N/A	Mineral Oil	< 10	ug/l	N	S	
			N/A	Naphthalene	< 0.01	ug/l	Y	S	
			N/A	N-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Nitrobenzene	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodimethylamine	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodi-n-propylamine	< 0.50	ug/l	N	S	
			N/A	N-Propylbenzene	< 1.0	ug/l	N	S	
			N/A	o-Xylene	< 1.0	ug/l	Y	S	
			N/A	Parathion	< 0.20	ug/l	N	S	
			N/A	Pendimethalin	< 5	ug/l	N	S	
			N/A	Pentachlorophenol	< 0.20	ug/l	N	S	
			N/A	Permethrin	< 0.50	mg/l	N	S	
			N/A	Phenanthrene	< 0.50	ug/l	Y	S	
			N/A	Phenol	< 0.20	ug/l	Y	S	
			N/A	Phorate	< 0.20	ug/l	N	S	
			N/A	Phosalone	< 0.20	ug/l	N	S	
			N/A	Prometon	< 0.20	ug/l	N	S	
			N/A	Prometryn	< 0.20	ug/l	N	S	
			N/A	Propazine	< 0.20	ug/l	N	S	
			N/A	Propetamphos	< 0.20	ug/l	N	S	
			N/A	Prothiofos	< 0.20	ug/l	N	S	
			N/A	Pyrene	< 0.50	ug/l	Y	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ088002	SW3	14/12/2021	N/A	Qunitozene	< 5	ug/l	N	S	
			N/A	Secbumeton	< 0.20	ug/l	N	S	
			N/A	Sec-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Simazine	< 0.20	ug/l	N	S	
			N/A	Simetryn	< 0.20	ug/l	N	S	
			N/A	Styrene	< 1.0	ug/l	N	S	
			N/A	Sulprofos	< 0.20	ug/l	N	S	
			N/A	Tecnazene	< 5	ug/l	N	S	
			N/A	Terbutylazine	< 0.20	ug/l	N	S	
			N/A	Terbutryn	< 0.20	ug/l	N	S	
			N/A	Tert-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Tetrachloroethene	< 1.0	ug/l	N	S	
			N/A	Tetrachloromethane	< 1.0	ug/l	N	S	
			N/A	Toluene	< 1.0	ug/l	Y	S	
			N/A	Total Phenols	< 5.0	ug/l	Y	S	
			N/A	Trans 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	Trans-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Triallate	< 0.20	ug/l	N	S	
			N/A	Triazophos	< 0.20	ug/l	N	S	
			N/A	Tribromomethane	< 1.0	ug/l	N	S	
			N/A	Tributyl Tin	< 0.050	ug/l	N	S	
			N/A	Trichloroethene	< 1.0	ug/l	N	S	
			N/A	Trichlorofluoromethane	< 1.0	ug/l	N	S	
			N/A	Trichloromethane	< 1.0	ug/l	N	S	
			N/A	Trichloronate	< 0.20	ug/l	N	S	
			N/A	Trifluralin	< 0.20	ug/l	N	S	
			N/A	Triphenyl Tin	< 0.050	ug/l	N	S	
			N/A	Vinyl Chloride	< 1.0	ug/l	N	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S	
			N/A	Cresols	<0.006	mg/l	N	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	N	S	

Time Sampled: 13:40
Sample Matrix: Surface Water
Analysyt Comment:

MCQ088003	SW4	14/12/2021	SAM031	Alkalinity, Total	124	mg/l	Y	MCQ	8@
			SAM031	Ammonia as N	< 0.11	mg/l	Y	MCQ	
			SAM016	BOD (ATU)	<1.00	mg/l	Y	MCQ	
			N/A	Cadmium (tot.unfilt)	<0.5	ug/l	Y	S	
			SAM038TM	Calcium Tot	71.60	mg/l	Y	MCQ	
			SAM031	Chloride as Cl	28.7	mg/l	Y	MCQ	
			N/A	Chromium (tot.unfilt)	<3	ug/l	Y	S	
			SAM009	COD (Total)	<25	mg/l	Y	MCQ	
			N/A	Copper (tot.unfilt)	3.57	ug/l	Y	S	
			MCQ- DO	Dissolved Oxygen	9.27	mg/l	N	MCQ	
			SAM005	Electrical Conductivity	648	uS/cm	Y	MCQ	



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MCQ088003	SW4	14/12/2021	N/A	Iron (tot.unfilt)	0.498	mg/l	Y	S	
			N/A	Lead (tot.unfilt)	<1	ug/l	Y	S	
			SAM038TM	Magnesium Tot	26.10	mg/l	Y	MCQ	
			N/A	Manganese (tot.unfilt)	56.1	ug/l	Y	S	
			N/A	Mecoprop	0.04	ug/l	Y	S	
			N/A	Naphthalene	< 0.50	ug/l	Y	S	
			N/A	Nickel (tot.unfilt)	5.59	ug/l	Y	S	
			SAM004	pH	7.46	Units	Y	MCQ	
			SAM038TM	Potassium Tot	5.66	mg/l	Y	MCQ	
			SAM038TM	Sodium Tot	18.60	mg/l	Y	MCQ	
			SAM031	Sulphate as SO4	147.00	mg/l	Y	MCQ	
			SAM001	Suspended Solids	33	mg/l	Y	MCQ	
			SAM031	TON as N	3.21	mg/l	Y	MCQ	
			N/A	Total Organic Carbon	32	mg/l	Y	S	
			MCQ- VOG	Visible Oil and Grease	<1	%	N	MCQ	
			N/A	Zinc (tot.unfilt)	10.8	ug/l	Y	S	
			N/A	1,1,1,2-Tetrachloroethane	< 2.0	ug/l	N	S	
			N/A	1,1,1-Trichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1,2-Trichloroethane	< 10	ug/l	N	S	
			N/A	1,1-Dichloroethane	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	1,1-Dichloropropene	< 1.0	ug/l	N	S	
			N/A	1,2,3-Trichlorobenzene	< 2.0	ug/l	N	S	
			N/A	1,2,3-Trichloropropane	< 50	ug/l	N	S	
			N/A	1,2,4-Trichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2,4-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,2-Dibromo-3-Chloropropane	< 50	ug/l	N	S	
			N/A	1,2-Dibromoethane	< 5	ug/l	N	S	
			N/A	1,2-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,2-Dichloroethane	< 2.0	ug/l	N	S	
			N/A	1,2-Dichloropropane	< 1.0	ug/l	N	S	
			N/A	1,3,5-Trimethylbenzene	< 1.0	ug/l	N	S	
			N/A	1,3-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	1,3-Dichloropropane	< 2.0	ug/l	N	S	
			N/A	1,4-Dichlorobenzene	< 0.50	ug/l	N	S	
			N/A	2,3,4,5-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,4-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5,6-Tetrachlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,3,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4,6-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dimethylphenol	< 0.20	ug/l	N	S	
			N/A	2,4-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2,6-Dichlorophenol	< 0.20	ug/l	N	S	
			N/A	2,6-Dinitrotoluene	< 0.50	ug/l	N	S	
			N/A	2-Chloronaphthalene	< 0.50	ug/l	N	S	



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MCQ088003	SW4	14/12/2021	N/A	2-Chlorophenol	< 0.20	ug/l	N	S	
			N/A	2-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	2-Methyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Methylnaphthalene	< 0.50	ug/l	N	S	
			N/A	2-Methylphenol (o-Cresol)	< 0.20	ug/l	N	S	
			N/A	2-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	2-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	2-Sec-Butyl-4,6-Dinitrophenol	< 0.20	ug/l	N	S	
			N/A	3,4,5-Trichlorophenol	< 0.20	ug/l	N	S	
			N/A	3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	3-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4,4-DDD	< 0.20	ug/l	N	S	
			N/A	4,4-DDE	< 0.20	ug/l	N	S	
			N/A	4,4-DDT	< 0.20	ug/l	N	S	
			N/A	4-Bromophenylphenyl Ether	< 0.50	ug/l	N	S	
			N/A	4-Chloro-3-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Chloroaniline	< 0.50	ug/l	N	S	
			N/A	4-Chlorophenylphenylether	< 0.50	ug/l	N	S	
			N/A	4-Chlorotoluene	< 1.0	ug/l	N	S	
			N/A	4-Isopropyltoluene	< 1.0	ug/l	N	S	
			N/A	4-Methylphenol	< 0.20	ug/l	N	S	
			N/A	4-Nitroaniline	< 0.50	ug/l	N	S	
			N/A	4-Nitrophenol	< 0.20	ug/l	N	S	
			N/A	Acenaphthene	< 0.50	ug/l	Y	S	
			N/A	Acenaphthylene	< 0.50	ug/l	Y	S	
			N/A	Aldrin	< 0.20	ug/l	N	S	
			N/A	Alpha-Chlordane	< 0.20	ug/l	N	S	
			N/A	Alpha-HCH	< 0.20	ug/l	N	S	
			N/A	Ametryn	< 0.20	ug/l	N	S	
			N/A	Anthracene	< 0.50	ug/l	Y	S	
			N/A	Atraton	< 0.20	ug/l	N	S	
			N/A	Atrazine	< 0.20	ug/l	N	S	
			N/A	Azinphos-ethyl	< 0.20	ug/l	N	S	
			N/A	Azinphos-Methyl	< 0.20	ug/l	N	S	
			N/A	Azobenzene	< 0.50	ug/l	N	S	
			N/A	Benzene	< 1.0	ug/l	Y	S	
			N/A	Benzo[a]anthracene	< 0.50	ug/l	Y	S	
			N/A	Benzo[a]pyrene	< 0.50	ug/l	Y	S	
			N/A	Benzo[b]fluoranthene	< 0.50	ug/l	Y	S	
			N/A	Benzo[g,h,i]perylene	< 0.50	ug/l	N	S	
			N/A	Benzo[k]fluoranthene	< 0.50	ug/l	Y	S	
			N/A	Beta-HCH	< 0.20	ug/l	N	S	
			N/A	Bis(2-Chloroethoxy)Methane	< 0.50	ug/l	N	S	
			N/A	Bis-(2-Chloroethyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Chloroisopropyl)Ether	< 0.50	ug/l	N	S	
			N/A	Bis(2-Ethylhexyl)Phthalate	< 0.50	ug/l	N	S	
			N/A	Bromobenzene	< 1.0	ug/l	N	S	
			N/A	Bromochloromethane	< 5	ug/l	N	S	
			N/A	Bromodichloromethane	< 5	ug/l	N	S	



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MCQ088003	SW4	14/12/2021	N/A	Bromomethane	< 5	ug/l	N	S	
			N/A	Bromoxynil	< 0.50	ug/l	N	S	
			N/A	Butylbenzyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Cadmium (Total)	< 0.11	ug/l	N	S	
			N/A	Carbazole	< 0.50	ug/l	N	S	
			N/A	Carbon Tetrachloride	< 10	ug/l	N	S	
			N/A	Carbophenothion	< 0.50	ug/l	N	S	
			N/A	Chlorfenvinphos	< 0.20	ug/l	N	S	
			N/A	Chlorobenzene	< 1.0	ug/l	N	S	
			N/A	Chloroethane	< 2.0	ug/l	N	S	
			N/A	Chloroform	< 10	ug/l	N	S	
			N/A	Chloromethane	< 1.0	ug/l	N	S	
			N/A	Chlorothalonil	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos	< 0.50	ug/l	N	S	
			N/A	Chlorpyrifos-methyl	< 0.20	ug/l	N	S	
			N/A	Chrysene	< 0.50	ug/l	N	S	
			N/A	cis 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	cis-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Coumaphos	< 0.20	ug/l	N	S	
			N/A	Delta-HCH	< 0.20	ug/l	N	S	
			N/A	Demeton-O	< 0.20	ug/l	N	S	
			N/A	Demeton-S	< 0.20	ug/l	N	S	
			N/A	Diazinon	< 0.50	ug/l	N	S	
			N/A	Dibenz(a,h)Anthracene	< 0.50	ug/l	Y	S	
			N/A	Dibenzofuran	< 0.50	ug/l	N	S	
			N/A	Dibromochloromethane	< 10	ug/l	N	S	
			N/A	Dibromomethane	< 10	ug/l	N	S	
			N/A	Dibutyl Tin	< 0.050	ug/l	N	S	
			N/A	Dichlorodifluoromethane	< 1.0	ug/l	N	S	
			N/A	Dichlorvos	< 0.50	ug/l	N	S	
			N/A	Dieldrin	< 0.20	ug/l	N	S	
			N/A	Diethyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dimethoate	< 0.20	ug/l	N	S	
			N/A	Dimethylphthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Butyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Di-N-Octyl Phthalate	< 0.50	ug/l	N	S	
			N/A	Dinoseb	< 1.0	ug/l	N	S	
			N/A	Disulfoton	< 1.0	ug/l	N	S	
			N/A	Endosulfan I	< 0.20	ug/l	N	S	
			N/A	Endosulfan II	< 0.20	ug/l	N	S	
			N/A	Endosulfan Sulphate	< 0.20	ug/l	N	S	
			N/A	Endrin	< 0.20	ug/l	N	S	
			N/A	Endrin Aldehyde	< 0.20	ug/l	N	S	
			N/A	Endrin Ketone	< 0.20	ug/l	N	S	
			N/A	Ethion	< 0.50	ug/l	N	S	
			N/A	Ethylbenzene	< 1.0	ug/l	Y	S	
			N/A	Etrimphos	< 0.20	ug/l	N	S	
			N/A	Fenitrothion	< 0.20	ug/l	N	S	
			N/A	Fensulphothion	< 0.20	ug/l	N	S	



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MCQ088003	SW4	14/12/2021	N/A	Fenthion	< 0.20	ug/l	N	S	
			N/A	Fluoranthene	< 0.50	ug/l	Y	S	
			N/A	Fluorene	< 0.50	ug/l	Y	S	
			N/A	Gamma-Chlordane	< 0.20	ug/l	N	S	
			N/A	Gamma-Lindane	< 0.20	ug/l	N	S	
			N/A	Heptachlor	< 0.20	ug/l	N	S	
			N/A	Heptachlor Epoxide	< 0.20	ug/l	N	S	
			N/A	Hexachlorobenzene	< 0.50	ug/l	N	S	
			N/A	Hexachlorobutadiene	< 0.50	ug/l	N	S	
			N/A	Hexachlorocyclopentadiene	< 0.50	ug/l	N	S	
			N/A	Hexachloroethane	< 0.50	ug/l	N	S	
			N/A	Indeno(1,2,3-c,d)Pyrene	< 0.50	ug/l	Y	S	
			N/A	Ioxynil	< 0.50	ug/l	N	S	
			N/A	Isophorone	< 0.50	ug/l	N	S	
			N/A	Isopropylbenzene	< 1.0	ug/l	N	S	
			N/A	List 1 CT (McQuillan)	-				
			N/A	m & p-Xylene	< 1.0	ug/l	N	S	
			N/A	Malathion	< 0.20	ug/l	N	S	
			N/A	Mercury (Total)	< 0.05	ug/l	N	S	
			N/A	Methoxychlor	< 0.20	ug/l	N	S	
			N/A	Methyl parathion	< 1.0	ug/l	N	S	
			N/A	Methyl Tert-Butyl Ether	< 1.0	ug/l	N	S	
			N/A	Mevinphos	< 0.20	ug/l	N	S	
			N/A	Mineral Oil	< 10	ug/l	N	S	
			N/A	Naphthalene	< 0.01	ug/l	Y	S	
			N/A	N-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Nitrobenzene	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodimethylamine	< 0.50	ug/l	N	S	
			N/A	N-Nitrosodi-n-propylamine	< 0.50	ug/l	N	S	
			N/A	N-Propylbenzene	< 1.0	ug/l	N	S	
			N/A	o-Xylene	< 1.0	ug/l	Y	S	
			N/A	Parathion	< 0.20	ug/l	N	S	
			N/A	Pendimethalin	< 5	ug/l	N	S	
			N/A	Pentachlorophenol	< 0.20	ug/l	N	S	
			N/A	Permethrin	< 0.50	mg/l	N	S	
			N/A	Phenanthrene	< 0.50	ug/l	Y	S	
			N/A	Phenol	< 0.20	ug/l	Y	S	
			N/A	Phorate	< 0.20	ug/l	N	S	
			N/A	Phosalone	< 0.20	ug/l	N	S	
			N/A	Prometon	< 0.20	ug/l	N	S	
			N/A	Prometryn	< 0.20	ug/l	N	S	
			N/A	Propazine	< 0.20	ug/l	N	S	
			N/A	Propetamphos	< 0.20	ug/l	N	S	
			N/A	Prothiofos	< 0.20	ug/l	N	S	
			N/A	Pyrene	< 0.50	ug/l	Y	S	
			N/A	Qunitozene	< 5	ug/l	N	S	
			N/A	Secbumeton	< 0.20	ug/l	N	S	
			N/A	Sec-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Simazine	< 0.20	ug/l	N	S	



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Lab Ref	Sample Details	Sample Date	Method No.	Test	Result	Units	ACC	Lab	Sample Deviations
MCQ088003	SW4	14/12/2021	N/A	Simetryn	< 0.20	ug/l	N	S	
			N/A	Styrene	< 1.0	ug/l	N	S	
			N/A	Sulprofos	< 0.20	ug/l	N	S	
			N/A	Tecnazene	< 5	ug/l	N	S	
			N/A	Terbutylazine	< 0.20	ug/l	N	S	
			N/A	Terbutryn	< 0.20	ug/l	N	S	
			N/A	Tert-Butylbenzene	< 1.0	ug/l	N	S	
			N/A	Tetrachloroethene	< 1.0	ug/l	N	S	
			N/A	Tetrachloromethane	< 1.0	ug/l	N	S	
			N/A	Toluene	< 1.0	ug/l	Y	S	
			N/A	Total Phenols	< 5.0	ug/l	Y	S	
			N/A	Trans 1,2-Dichloroethene	< 1.0	ug/l	N	S	
			N/A	Trans-1,3-Dichloropropene	< 10	ug/l	N	S	
			N/A	Triallate	< 0.20	ug/l	N	S	
			N/A	Triazophos	< 0.20	ug/l	N	S	
			N/A	Tribromomethane	< 1.0	ug/l	N	S	
			N/A	Tributyl Tin	< 0.050	ug/l	N	S	
			N/A	Trichloroethene	< 1.0	ug/l	N	S	
			N/A	Trichlorofluoromethane	< 1.0	ug/l	N	S	
			N/A	Trichloromethane	< 1.0	ug/l	N	S	
			N/A	Trichloronate	< 0.20	ug/l	N	S	
			N/A	Trifluralin	< 0.20	ug/l	N	S	
			N/A	Triphenyl Tin	< 0.050	ug/l	N	S	
			N/A	Vinyl Chloride	< 1.0	ug/l	N	S	
			N/A	2,3,5-Trimethylphenol	<0.003	mg/l	N	S	
			N/A	2-Isopropylphenol	<0.006	mg/l	N	S	
			N/A	Cresols	<0.006	mg/l	N	S	
			N/A	Phenols Total of 5 Speciated (W) by HPLC					
			N/A	Phenols, Total Detected 5 speciated	<0.025	mg/l	N	S	
			N/A	Xylenols	<0.008	mg/l	N	S	

Time Sampled: 13:50
Sample Matrix: Surface Water
Analysyt Comment:

Sample Deviations Legend - Results may be compromised if the following deviations apply			
Comment	C	Incorrect Container	‡
Container with Headspace provided	8	Insufficient sample volume	È
BOD Overdiluted, therefore result indicative only	\$	BOD Underdiluted, therefore result indicative only	#
High Chloride concentration, COD could not be determined	§	Holding time exceeded due to sampled on date/time	@
Holding time exceeded in Lab	±	Holding time exceeded due to delayed instructions	&
Sample integrity Jeopardized in receipt	Ø		

Taggarts

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