



Thursday, 01 April 2021

Mr Anthony Roberts,
Natural Resources Wales,
Chester Road,
Buckley,
Flintshire.
CH7 3AJ

Dear Mr Roberts,

Ruabon Data Submission March 2021

Please find enclosed the monthly data submission for routine environmental monitoring undertaken at our Ruabon Landfill Site during March 2021.

We trust this is satisfactory. Please do not hesitate to contact us should you require further clarification.

A handwritten signature in brown ink, appearing to be 'L. Terrace', written over a horizontal line.

**Yours sincerely,
For FCC ENVIRONMENT**

Leon Terrace

Compliance Advisor, North Wales and Northwest England

Field log report



Ruabon

Ruabon Field Logs Report March 2021

04-March-2021

Equipment 01 Last Calibration	25/09/2020
Equipment 01 Serial No.	GA5000 + G505505
Personnel 01	INF01584 Ian.Jones
Time OFF	15:22
Time ON	08:06
Weather	Overcast

Field log report



Ruabon

Ruabon Field Logs Report March 2021

06-March-2021

Air Temperature (Deg C)	2
Equipment 01 Calibration Due	26/04/2021
Equipment 01 Last Calibration	26/10/2020
Equipment 01 Serial No.	GA12649
Equipment 01 Type	GA2000
Equipment 02 Serial No.	EP43
Equipment 02 Type	GW Dip Tape
Equipment 03 Serial No	81115-17
Equipment 03 Type	ATEX Leachate Dip Tape
Ground Conditions	Moist
Personnel 01	David Beeston
Time OFF	12:30
Time ON	08:20
Weather	Overcast

Field log report



Ruabon

Ruabon Field Logs Report March 2021

12-March-2021

Air Temperature (Deg C)	5
Equipment 01 Calibration Due	26/04/2021
Equipment 01 Last Calibration	26/10/2020
Equipment 01 Serial No.	GA12649
Equipment 01 Type	GA2000
Equipment 02 Serial No.	EP43
Equipment 02 Type	GW Dip Tape
Equipment 03 Serial No	81115-17
Equipment 03 Type	ATEX Leachate Dip Tape
Ground Conditions	Waterlogged
Personnel 01	David Beeston
Personnel 02	Paul Thomas
Time OFF	13:25
Time ON	08:15
Weather	Sunny intervals

Field log report



Ruabon

Ruabon Field Logs Report March 2021

16-March-2021

Air Temperature (Deg C)	10
Equipment 01 Calibration Due	26/04/2021
Equipment 01 Last Calibration	26/10/2020
Equipment 01 Serial No.	GA12649
Equipment 01 Type	GA2000
Equipment 02 Serial No.	EP43
Equipment 02 Type	GW Dip Tape
Equipment 03 Serial No	81115-17
Equipment 03 Type	ATEX Leachate Dip Tape
Ground Conditions	Waterlogged
Personnel 01	David Beeston, James Crawford and Paul Mullineaux
Time OFF	14:30
Time ON	07:50
Weather	Light rain

Field log report



Ruabon

Ruabon Field Logs Report March 2021

24-March-2021

Air Temperature (Deg C)	9
Equipment 01 Calibration Due	01/08/2021
Equipment 01 Last Calibration	29/01/2021
Equipment 01 Serial No.	G505418
Equipment 01 Type	GA5000
Equipment 02 Calibration Due	17/05/2021
Equipment 02 Last Calibration	17/11/2020
Equipment 02 Serial No.	G502016
Equipment 02 Type	GA5000
Equipment 03 Serial No	EP29
Equipment 03 Type	GW Dip Tape
Equipment 04 Serial No.	82975-18
Equipment 04 Type	ATEX Leachate Dip Tape
Ground Conditions	Moist
Personnel 01	Richard Clarke-Williams
Personnel 02	Paul Mullineaux
Time OFF	11:05
Time ON	07:00
Weather	Medium-level cloud

Field log report



Ruabon

Ruabon Field Logs Report March 2021

26-March-2021

Air Temperature (Deg C)	12
Equipment 01 Serial No.	79281-10
Equipment 01 Type	Geotechnical Atex Dip Meter
Ground Conditions	Wet
Personnel 01	S Williams
Time OFF	13:50
Time ON	12:00
Weather	Overcast

Field log report



Ruabon

Ruabon Field Logs Report March 2021

30-March-2021

Equipment 01 Last Calibration	25/11/2020
Equipment 01 Serial No.	GA5000 + G500906
Personnel 01	INF01584 Ian.Jones
Time OFF	11:41
Time ON	08:38
Weather	Hot & Sunny

Ruabon Borehole Gas Report March 2021



From : 06/03/2021

To : 24/03/2021

06/03/2021

Sample Point	AtPress (mBar)	CH4 (%v/v) (%)	CO (ppm)	CO2 (%v/v) (%)	Flow (litres/hr)	H2S (ppm)	O2 (%v/v)
RUBH0006	1026	0	0	0.4	0	0	19.7
RUBH0007	1025	0	0	0	0	0	20.4
RUBH0008	1025	0	0	1		0	19.7
RUBH0009	1024	0	0	3		0	18.7
RUBH0010	1023	0	0	1.1		0	19.3
RUBH0013	1022	0	0	0.5		0	20.6
RUBH0014	1021	0	0	0.3		0	20.6
RUBH0015	1022	0	0	1.2		0	18.1
RUBH0016	1023	0	0	0.7		0	20
RUBH001A	1025	0	0	0.2		0	20
RUBH001B	1025	0	0	5.3		0	11.3
RUBH002A	1025	0	0	0.1		0	20.2
RUBH002B	1025	0	0	0.2		0	20
RUBH003A	1025	0	0	0.2		0	20
RUBH003B	1025	0	0	0		0	20.2
RUBH004A	1025	0	0	1		0	19.4
RUBH004B	1025	0	0	2.9		0	17.6
RUBH011A	1023	0	0	1.8		0	17.4
RUBH011P	1023	0	0	0		0	20.6
RUBH012A	1022	0	0	1		0	18.7
RUGBH001	1025	0	0	5.3		0	14.2
RUGBH002	1026	0	0	0.4		0	19.6
RUGBH003	1026	0	0	1	0	0	19.1
RUGBH004	1026	0	0	0.8	0	0	19.5
RUGBH005	1026	0	0	6.7	0	0	11.9
RUGBH006	1025	0	0	2.2		0	19.5
RUGBH007	1021	0	0	0.6		0	20.5
RUGBH008	1021	0	0	1.2		0	19.5
RUGBH009	1022	0	0	0.9		0	20.1
RUGBH010	1022	0	0	1.8		0	19.1
RUGBH02A	1026	0	1	0.2		0	18.9
RUGP0001	1025	0	0	0.1		0	20
RUGP0002	1025	0	0	1.7		0	16.2
RUGP0003	1025	0	0	0.2		0	19.7
RUGP0004	1025	0	0	2.9		0	16.9
RUGP0008	1025	0	0	0.1		0	19.8
RUGP0009	1025	7.8	0	9.9	0	0	5.2
RUGP0010	1025	0	0	1.5		0	18.6
RUGP0011	1025	0	0	0.9		0	19.2
RUGP0012	1025	0	0	0.1		0	20.1
RUGP0013	1025	0	0	0.9		0	19.4
RUGP0014	1025	0	0	2.9		0	15.4
RUGP0015	1023	0	0	1		0	17.2
RUGP0016	1021	0	0	2.5		0	18.1
RUGP0018	1022	0	0	0		0	20.8
RUGP0019	1021	0	0	0		0	21.1
RUGP0020	1021	0	0	0		0	21.1
RUGP0021	1021	0	0	0.1		0	20.8
RUGP00A1	1025	0	0	0		0	20.4
RUGP00A2	1026	0	0	0		0	20.4

Issued By:

Ruabon Borehole Gas Report March 2021



From : 06/03/2021

To : 24/03/2021

06/03/2021

	AtPress (mBar)	CH4 (%v/v) (%)	CO (ppm)	CO2 (%v/v) (%)	Flow (litres/hr)	H2S (ppm)	O2 (%v/v)
RUGP00A3	1026	0	0	0		0	20.3
RUGP00B1	1026	0	0	0		0	20.3
RUGP00B2	1026	0	0	0.2		0	20.1
RUGP00B3	1026	0	0	0		0	20.3
RUGP00C1	1026	0	0	0		0	20.3
RUGP00C2	1026	0	3	0		0	8.8
RUGP00C3	1026	0	0	0		0	19.8
RUGP00D1	1026	0	0	0		0	20
RUGP00D2	1026	0	0	0		0	20.2
RUGP00D3	1026	0	1	0		0	20.2
RUGP00E1	1026	0	0	0		0	20.1
RUGP00E2	1026	0	0	0		0	18.8
RUGP00E3	1026	0	0	0		0	20.1
RUGP00F1	1026	0	0	0		0	6.1
RUGP00F2	1026	0	0	0		0	17.2
RUGP00F3	1026	0	0	0		0	20.1
RUWB001A	1025	0	0	0.3		0	18.4
RUWB001B	1025	0	0	2		0	16.8
RUWB002A	1025	0	0	0.2		0	16.3
RUWB002B	1025	0	0	0.4		0	19.7
RUWB002C	1025	0	0	4		0	16.5
RUWB002D	1025	0	0	0.3		0	19.7
RUWB003A	1022	0	0	0.9		0	11
RUWB003B	1022	0	0	0.2		0	18.5
RUWB004A	1021	0	0	0.1		0	20.3
RUWB004B	1021	0	0	0.4		0	15.9
RUWB005A	1023	0	0	0.1		0	19.5
RUWB005B	1023	0	0	0		0	19.7

Issued By:

From : 06/03/2021

To : 24/03/2021

06/03/2021

Sample Point	Rel Press (mBar)
RUBH0006	-0.13
RUBH0007	-0.08
RUBH0008	-99.98
RUBH0009	-43.95
RUBH0010	-0.05
RUBH0013	-0.02
RUBH0014	0
RUBH0015	-0.04
RUBH0016	-0.22
RUBH001A	0.02
RUBH001B	0.02
RUBH002A	0.05
RUBH002B	0.03
RUBH003A	0.03
RUBH003B	0.03
RUBH004A	-7.1
RUBH004B	-0.14
RUBH011A	0
RUBH011P	-0.05
RUBH012A	0.85
RUGBH001	-0.14
RUGBH002	-0.14
RUGBH003	-0.13
RUGBH004	-0.12
RUGBH005	-0.11
RUGBH006	-1.63
RUGBH007	-5.34
RUGBH008	0
RUGBH009	-0.05
RUGBH010	0
RUGBH02A	0.19
RUGP0001	0.06
RUGP0002	-3.65
RUGP0003	0.36
RUGP0004	0.01
RUGP0008	0.03
RUGP0009	0.04
RUGP0010	0.02
RUGP0011	0
RUGP0012	0.14
RUGP0013	-0.13
RUGP0014	-0.12
RUGP0015	-42.7
RUGP0016	0
RUGP0018	0.19
RUGP0019	0
RUGP0020	0
RUGP0021	0
RUGP00A1	-0.08
RUGP00A2	-0.1

Issued By:

From : 06/03/2021

To : 24/03/2021

06/03/2021

	Rel Press (mBar)
RUGP00A3	-0.58
RUGP00B1	-0.11
RUGP00B2	-0.17
RUGP00B3	-0.09
RUGP00C1	-0.11
RUGP00C2	-0.38
RUGP00C3	-0.56
RUGP00D1	-0.25
RUGP00D2	-0.15
RUGP00D3	-0.34
RUGP00E1	-0.13
RUGP00E2	-0.09
RUGP00E3	-0.14
RUGP00F1	0
RUGP00F2	-0.14
RUGP00F3	-0.15
RUWB001A	0.09
RUWB001B	0.04
RUWB002A	-11.11
RUWB002B	-0.15
RUWB002C	-0.15
RUWB002D	-0.15
RUWB003A	-0.06
RUWB003B	-0.03
RUWB004A	0.02
RUWB004B	0
RUWB005A	0
RUWB005B	-0.01

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Ruabon Borehole Gas Report March 2021



From : 06/03/2021

To : 24/03/2021

12/03/2021

Sample Point	AtPress (mBar)	CH4 (%v/v) (%)	CO (ppm)	CO2 (%v/v) (%)	Flow (litres/hr)	H2S (ppm)	O2 (%v/v)
RUBH0006	987	0	0	1.3	-3.9	0	18.5
RUBH0007	986	0	0	1.2	-0.1	0	14.5
RUBH0008	986	0	0	3		0	17.6
RUBH0009	985	0	0	4.1		0	16.3
RUBH0010	985	0	0	1.2		0	18.9
RUBH0013	984	0	0	0.2		0	20.2
RUBH0014	984	0	0	0.2		0	20.2
RUBH0015	984	0	0	0.2		0	19.8
RUBH0016	984	0	0	0.6		0	19.3
RUBH001A	988	0	0	0.1		0	19.9
RUBH001B	988	0	0	5.6		0	10.5
RUBH002A	988	0	0	0.1		0	19.9
RUBH002B	988	0	0	0.3		0	19.7
RUBH003A	988	0	0	0.1		0	20.1
RUBH003B	988	0	0	0		0	20.2
RUBH004A	988	0	0	1.9		0	18.2
RUBH004B	988	0	0	1.8		0	18.5
RUBH011A	985	0	0	0.6		0	18.9
RUBH011P	985	0	0	0.1		0	19.8
RUBH012A	984	0	0	2.3		0	8.3
RUGBH001	988	0	0	5.5		0	14
RUGBH002	988	0	0	3.2		0	15.2
RUGBH003	988	0	0	0.1	-0.1	0	20
RUGBH004	988	0	0	0.2	0	0	20
RUGBH005	987	0	0	2.6	0	0	16.7
RUGBH006	986	0	0	2.9		0	18.8
RUGBH007	984	0	0	0.8		0	19.8
RUGBH008	984	0	0	0.2		0	20.5
RUGBH009	984	0	0	1.1		0	19.2
RUGBH010	984	0	0	1.1		0	19
RUGBH02A	988	0	0	0.1		0	20
RUGP0001	988	0	0	0.1		0	19.6
RUGP0002	988	0	0	2		0	14.9
RUGP0003	988	0	0	0.4		0	19.3
RUGP0004	988	0	0	2.8		0	16.7
RUGP0008	988	0	0	0.1		0	19.6
RUGP0009	988	7.5	0	9.8	0	0	4.6
RUGP0010	988	0	0	2		0	18.5
RUGP0011	988	0	0	1.2		0	19.1
RUGP0012	988	0	0	0.1		0	20.1
RUGP0013	988	0	0	0.6		0	19.8
RUGP0014	988	0	0	3.1		0	15.2
RUGP0015	986	0	0	1.1		0	16
RUGP0016	984	0	0	1.5		0	19.3
RUGP0018	985	0	0	0		0	20
RUGP0019	984	0	0	0		0	20.4
RUGP0020	984	0	0	0		0	20.5
RUGP0021	984	0	0	0		0	20.4
RUGP00A1	987	0	0	0		0	20.2
RUGP00A2	987	0	0	0		0	20.3

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Ruabon Borehole Gas Report March 2021



From : 06/03/2021

To : 24/03/2021

12/03/2021

	AtPress (mBar)	CH4 (%v/v) (%)	CO (ppm)	CO2 (%v/v) (%)	Flow (litres/hr)	H2S (ppm)	O2 (%v/v)
RUGP00A3	987	0	0	0		0	20.3
RUGP00B1	987	0	0	0		0	20.3
RUGP00B2	987	0	0	0.2		0	19.7
RUGP00B3	988	0	0	0		0	20.2
RUGP00C1	987	0	0	0		0	20.2
RUGP00C2	988	0	1	0		0	2.8
RUGP00C3	988	0	0	0		0	20.2
RUGP00D1	988	0	0	0		0	20.1
RUGP00D2	988	0	0	0		0	20.1
RUGP00D3	988	0	0	0		0	20.1
RUGP00E1	988	0	0	0		0	20
RUGP00E2	988	0	0	0		0	19
RUGP00E3	988	0	0	0		0	19.9
RUGP00F1	988	0	0	0		0	8.4
RUGP00F2	988	0	0	0		0	18.1
RUGP00F3	988	0	0	0		0	20
RUWB001A	988	0	0	0.5		0	17.3
RUWB001B	988	0	0	2.1		0	16.3
RUWB002A	988	0	0	0.2		0	15.5
RUWB002B	988	0	0	0.4		0	19.5
RUWB002C	988	0	0	4.5		0	15.1
RUWB002D	988	0	0	0.3		0	19.8
RUWB003A	984	0	0	0.7		0	12.4
RUWB003B	984	0	0	0.1		0	19.5
RUWB004A	984	0	0	0.1		0	19.6
RUWB004B	984	0	0	0.4		0	16.1
RUWB005A	986	0	0	0.1		0	19.6
RUWB005B	986	0	0	0		0	19.7

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Ruabon Borehole Gas Report March 2021



From : 06/03/2021

To : 24/03/2021

12/03/2021

Sample Point	Rel Press (mBar)
RUBH0006	-8.33
RUBH0007	-0.24
RUBH0008	70.98
RUBH0009	54.14
RUBH0010	-0.1
RUBH0013	0
RUBH0014	0
RUBH0015	-0.04
RUBH0016	0.04
RUBH001A	-0.19
RUBH001B	-0.12
RUBH002A	-0.28
RUBH002B	0.06
RUBH003A	-0.17
RUBH003B	-0.17
RUBH004A	-1.18
RUBH004B	-0.13
RUBH011A	5.38
RUBH011P	-0.01
RUBH012A	2.47
RUGBH001	-0.54
RUGBH002	-0.39
RUGBH003	-0.09
RUGBH004	-0.09
RUGBH005	-0.13
RUGBH006	-0.07
RUGBH007	5.07
RUGBH008	-0.01
RUGBH009	-0.34
RUGBH010	-0.47
RUGBH02A	-0.13
RUGP0001	-0.04
RUGP0002	14.83
RUGP0003	0.25
RUGP0004	-0.13
RUGP0008	-0.09
RUGP0009	-0.14
RUGP0010	-0.19
RUGP0011	-0.09
RUGP0012	-18.79
RUGP0013	-0.17
RUGP0014	-0.15
RUGP0015	-6.42
RUGP0016	-0.11
RUGP0018	-0.11
RUGP0019	0
RUGP0020	0
RUGP0021	-0.01
RUGP00A1	-0.04
RUGP00A2	-0.06

Issued By:

From : 06/03/2021

To : 24/03/2021

12/03/2021

	Rel Press (mBar)
RUGP00A3	-0.03
RUGP00B1	-0.1
RUGP00B2	-0.03
RUGP00B3	-0.08
RUGP00C1	-0.07
RUGP00C2	-0.07
RUGP00C3	-0.04
RUGP00D1	-0.16
RUGP00D2	-0.1
RUGP00D3	-0.03
RUGP00E1	-0.11
RUGP00E2	-0.17
RUGP00E3	-0.09
RUGP00F1	-6.55
RUGP00F2	-0.08
RUGP00F3	-0.09
RUWB001A	2.8
RUWB001B	-0.17
RUWB002A	1.57
RUWB002B	-0.16
RUWB002C	-0.52
RUWB002D	0.44
RUWB003A	0
RUWB003B	0.83
RUWB004A	-0.55
RUWB004B	-0.12
RUWB005A	0.07
RUWB005B	0

Issued By:

Ruabon Borehole Gas Report March 2021



From : 06/03/2021

To : 24/03/2021

16/03/2021

Sample Point	AtPress (mBar)	CH4 (%v/v) (%)	CO (ppm)	CO2 (%v/v) (%)	Flow (litres/hr)	H2S (ppm)	O2 (%v/v)
RUBH0006	1016	0	0	1.8	-4.5	0	17.9
RUBH0007	1015	1	0	2.6	0	0	6.4
RUBH0008	1015	0	0	3.4		0	17.1
RUBH0009	1014	0	0	4.5		0	15.8
RUBH0010	1014	0	0	0.5		0	19
RUBH0013	1013	0	0	0.1		0	19.7
RUBH0014	1013	0	0	0.2		0	19.7
RUBH0015	1014	0	0	1.2		0	17.7
RUBH0016	1014	0	0	0.5		0	19
RUBH001A	1016	0	0	0.1		0	19.6
RUBH001B	1016	0	0	5.1		0	11
RUBH002A	1017	0	0	0		0	19.8
RUBH002B	1017	0	0	0.3		0	19.6
RUBH003A	1016	0	0	0.1		0	19.8
RUBH003B	1016	0	0	0		0	19.8
RUBH004A	1016	0	0	1.7		0	17.9
RUBH004B	1016	0	0	1.8		0	18.7
RUBH011A	1015	0	0	1.5		0	17
RUBH011P	1014	0	0	0		0	19.5
RUBH012A	1013	0	0	1.6		0	17.7
RUGBH001	1016	0	0	5.3		0	14
RUGBH002	1016	0	0	3		0	14.5
RUGBH003	1016	0	0	0	-0.1	0	19.9
RUGBH004	1016	0	0	0.3	-0.1	0	19.7
RUGBH005	1016	0	0	1.1	0	0	18.5
RUGBH006	1015	0	0	2.5		0	18.7
RUGBH007	1013	0	0	0.9		0	19.2
RUGBH008	1014	0	0	0.2		0	19.7
RUGBH009	1015	0	0	0.9		0	19
RUGBH010	1015	0	0	2		0	17.8
RUGBH02A	1016	0	0	0.1		0	19.6
RUGP0001	1017	0	0	0		0	19.7
RUGP0002	1017	0	0	0.2		0	18.5
RUGP0003	1017	0	0	0.4		0	19.2
RUGP0004	1017	0	0	3.2		0	14.5
RUGP0008	1016	0	0	0.1		0	19.6
RUGP0009	1017	9.6	0	11.3	0	0	1.6
RUGP0010	1016	0	0	1		0	19
RUGP0011	1016	0	0	1.7		0	17.9
RUGP0012	1016	0	0	0.1		0	19.7
RUGP0013	1016	0	0	0.6		0	19.2
RUGP0014	1016	0	0	3.2		0	14.1
RUGP0015	1016	0	0	1		0	16.7
RUGP0016	1014	0	0	5.8		0	14.4
RUGP0018	1016	0	0	0.1		0	19.7
RUGP0019	1014	0	0	0		0	19.8
RUGP0020	1014	0	0	0		0	19.8
RUGP0021	1014	0	0	0		0	19.8
RUGP00A1	1016	0	0	0		0	19.9
RUGP00A2	1016	0	0	0		0	19.9

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From : 06/03/2021
To : 24/03/2021

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	AtPress (mBar)	CH4 (%v/v) (%)	CO (ppm)	CO2 (%v/v) (%)	Flow (litres/hr)	H2S (ppm)	O2 (%v/v)
RUGP00B1	1016	0	0	0		0	19.9
RUGP00B2	1016	0	0	0.3		0	19.3
RUGP00B3	1016	0	0	0		0	19.9
RUGP00C1	1016	0	0	0		0	20
RUGP00C2	1016	0	0	0		0	3.4
RUGP00C3	1016	0	0	0		0	19.3
RUGP00D1	1016	0	0	0		0	19.8
RUGP00D2	1016	0	0	0		0	20
RUGP00D3	1016	0	0	0		0	20
RUGP00E1	1017	0	0	0		0	19.8
RUGP00E2	1017	0	0	0		0	18.5
RUGP00E3	1016	0	0	0		0	19.8
RUGP00F1	1017	0	0	0		0	8.7
RUGP00F2	1016	0	0	0		0	18.9
RUGP00F3	1016	0	0	0		0	19.7
RUWB001A	1017	0	0	0.5		0	16.8
RUWB001B	1017	0	0	0.5		0	18.9
RUWB002A	1016	0	0	0.2		0	14.9
RUWB002B	1016	0	0	0.6		0	19
RUWB002C	1016	0	0	4.4		0	14
RUWB002D	1016	0	0	0.2		0	19.6
RUWB003A	1013	0	0	0.8		0	11.1
RUWB003B	1013	0	0	0.2		0	17.5
RUWB004A	1014	0	0	0.1		0	18.9
RUWB004B	1014	0	0	0.5		0	16
RUWB005A	1016	0	0	0.1		0	19.5
RUWB005B	1016	0	0	0		0	19.6

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To : 24/03/2021

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Sample Point	Rel Press (mBar)
RUBH0006	-7.77
RUBH0007	-0.09
RUBH0008	24.58
RUBH0009	46.86
RUBH0010	-0.05
RUBH0013	-0.06
RUBH0014	-0.04
RUBH0015	-0.08
RUBH0016	-0.08
RUBH001A	-0.06
RUBH001B	0.04
RUBH002A	-0.09
RUBH002B	0
RUBH003A	0
RUBH003B	0
RUBH004A	0.07
RUBH004B	0
RUBH011A	-3.31
RUBH011P	-0.17
RUBH012A	3.17
RUGBH001	-0.01
RUGBH002	0
RUGBH003	-0.17
RUGBH004	-0.08
RUGBH005	-0.08
RUGBH006	-0.1
RUGBH007	-1.84
RUGBH008	-0.04
RUGBH009	-0.26
RUGBH010	-0.28
RUGBH02A	-0.48
RUGP0001	0.05
RUGP0002	0.05
RUGP0003	0.19
RUGP0004	0.02
RUGP0008	0.05
RUGP0009	0
RUGP0010	0.01
RUGP0011	-0.53
RUGP0012	0.07
RUGP0013	0.01
RUGP0014	0.01
RUGP0015	-7.46
RUGP0016	3.73
RUGP0018	0
RUGP0019	-0.04
RUGP0020	-0.04
RUGP0021	-0.04
RUGP00A1	-0.08
RUGP00A2	-0.1

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	Rel Press (mBar)
RUGP00B1	-0.1
RUGP00B2	0
RUGP00B3	-0.11
RUGP00C1	-0.09
RUGP00C2	-0.12
RUGP00C3	-0.09
RUGP00D1	-0.05
RUGP00D2	-0.44
RUGP00D3	-0.11
RUGP00E1	-0.01
RUGP00E2	-0.01
RUGP00E3	0
RUGP00F1	-2.1
RUGP00F2	0.03
RUGP00F3	0.01
RUWB001A	-15.54
RUWB001B	0
RUWB002A	-7.53
RUWB002B	0.03
RUWB002C	0.02
RUWB002D	-0.03
RUWB003A	-14.98
RUWB003B	-0.12
RUWB004A	0.07
RUWB004B	-0.17
RUWB005A	-0.02
RUWB005B	-0.03

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From : 06/03/2021

To : 24/03/2021

24/03/2021

Sample Point	AtPress (mBar)	CH4 (%v/v) (%)	CO (ppm)	CO2 (%v/v) (%)	Flow (litres/hr)	H2S (ppm)	O2 (%v/v)
RUBH0006	1008	0	1	0.8	0.1	1	19.2
RUBH0007	1008	2.8	1	3.3	0	1	2.6
RUBH0008	1007	0	0	0.1		0	20.9
RUBH0009	1007	0	0	3.2		1	17.5
RUBH0010	1006	0	1	0.3		1	19.7
RUBH0013	1004	0	1	0.1		1	20
RUBH0014	1005	0	0	0.2		0	20.9
RUBH0015	1006	0	1	1.4		1	18
RUBH0016	1004	0	0	0.1		0	20.9
RUBH001A	1007	0	0	0.1		0	21.4
RUBH001B	1006	0	0	1.4		0	18.8
RUBH002A	1008	0	0	1.9		0	8.9
RUBH002B	1007	0	0	0.1		0	21.5
RUBH003A	1007	0	0	0.1		0	20.4
RUBH003B	1007	0	1	0.1		0	20.4
RUBH004A	1008	0	0	2		1	18.3
RUBH004B	1008	0	1	2.6		1	18
RUBH011A	1004	0	0	1.3		0	19
RUBH011P	1005	0	0	0.1		0	21
RUBH012A	1004	0	0	1.5		1	19.4
RUGBH001	1008	0	0	5.3		0	15.6
RUGBH002	1008	0	0	4.3		0	13.9
RUGBH003	1008	0	0	2.6	0	0	14.7
RUGBH004	1007	0	0	0.8	0	0	20.5
RUGBH005	1007	0	0	2.5	0	0	15.8
RUGBH006	1007	0	0	2.1		0	20.1
RUGBH007	1005	0	0	0.1		0	21
RUGBH008	1005	0	0	0.1		0	20.9
RUGBH009	1005	0	0	1.1		0	20
RUGBH010	1007	0	0	1.9		1	18
RUGBH02A	1007	0	0	0.3		0	21.4
RUGP0001	1007	0	1	0.2		0	20.1
RUGP0002	1008	0	0	2		1	15.7
RUGP0003	1008	0	1	0.3		0	20.1
RUGP0004	1007	0	1	3.6		0	12.4
RUGP0008	1008	0	0	0.2		0	20.1
RUGP0009	1007	9.4	1	11.4	0.1	0	1.6
RUGP0010	1008	0	0	2.3		0	17.9
RUGP0011	1008	0	0	1.6		0	19.8
RUGP0012	1008	0	0	0.2		0	21.4
RUGP0013	1008	0	1	1		0	19.5
RUGP0014	1008	0	0	3.3		0	15.5
RUGP0015	1007	0	1	1.3		0	17.8
RUGP0016	1004	0	1	2.6		1	17.4
RUGP0018	1006	0	1	0.1		1	19.7
RUGP0019	1006	0	1	0.1		1	19.8
RUGP0020	1005	0	0	0.1		1	20
RUGP0021	1005	0	0	0.1		1	20
RUGP00A1	1008	0	0	0.1		1	19.8
RUGP00A2	1007	0	1	0.1		1	19.9

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From : 06/03/2021

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	AtPress (mBar)	CH4 (%v/v) (%)	CO (ppm)	CO2 (%v/v) (%)	Flow (litres/hr)	H2S (ppm)	O2 (%v/v)
RUGP00A3	1008	0	1	0.1		1	19.9
RUGP00B1	1008	0	0	0.1		0	21.1
RUGP00B2	1008	0	0	0.3		0	20.3
RUGP00B3	1008	0	0	0.1		0	21.2
RUGP00C1	1008	0	1	0.1		1	20.1
RUGP00C2	1007	0	1	0		1	6.4
RUGP00C3	1008	0	1	0.1		1	19.6
RUGP00D1	1008	0	1	0.1		0	20.2
RUGP00D2	1008	0	1	0.1		1	20.3
RUGP00D3	1007	0	1	0.1		0	20.3
RUGP00E1	1008	0	1	0.1		0	20.2
RUGP00E2	1008	0	1	0.1		1	18.5
RUGP00E3	1008	0	1	0.1		0	20.3
RUGP00F1	1002	0	0	0		1	6.8
RUGP00F2	1008	0	1	0.1		1	19.5
RUGP00F3	1008	0	0	0.1		1	20.3
RUWB001A	1008	0	0	0.2		0	20.5
RUWB001B	1008	0	1	0.3		0	21.2
RUWB002A	1007	0	0	0.2		0	15.9
RUWB002B	1008	0	0	0.2		1	20.1
RUWB002C	1007	0	1	5.1		1	12.8
RUWB002D	1008	0	0	0.1		0	21.6
RUWB003A	1005	0	0	0.9		0	12.2
RUWB003B	1005	0	0	0.3		0	20.6
RUWB004A	1005	0	0	0.6		0	17.3
RUWB004B	1006	0	0	0.2		0	20
RUWB005A	1007	0	1	0.2		1	19.5
RUWB005B	1007	0	0	0.1		0	20.7

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To : 24/03/2021

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Sample Point	Rel Press (mBar)
RUBH0006	-0.42
RUBH0007	-0.38
RUBH0008	0.12
RUBH0009	-0.59
RUBH0010	-0.4
RUBH0013	-0.35
RUBH0014	0.02
RUBH0015	-0.36
RUBH0016	-0.05
RUBH001A	0.03
RUBH001B	0.07
RUBH002A	0.02
RUBH002B	-0.02
RUBH003A	-0.35
RUBH003B	-0.38
RUBH004A	-0.57
RUBH004B	-0.47
RUBH011A	-0.05
RUBH011P	-0.02
RUBH012A	-0.21
RUGBH001	0.02
RUGBH002	0.02
RUGBH003	0.05
RUGBH004	0
RUGBH005	0.12
RUGBH006	0.02
RUGBH007	-0.09
RUGBH008	0.05
RUGBH009	0.09
RUGBH010	-0.28
RUGBH02A	0.02
RUGP0001	-0.35
RUGP0002	-0.45
RUGP0003	-0.26
RUGP0004	-0.36
RUGP0008	-0.29
RUGP0009	-0.38
RUGP0010	-0.4
RUGP0011	0
RUGP0012	0.05
RUGP0013	-0.4
RUGP0014	0
RUGP0015	-6.67
RUGP0016	-0.35
RUGP0018	-0.21
RUGP0019	-0.29
RUGP0020	-0.36
RUGP0021	-0.61
RUGP00A1	-0.45
RUGP00A2	-0.42

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To : 24/03/2021

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	Rel Press (mBar)
RUGP00A3	10.35
RUGP00B1	0.07
RUGP00B2	-0.69
RUGP00B3	0.05
RUGP00C1	-0.02
RUGP00C2	-0.38
RUGP00C3	-0.12
RUGP00D1	-0.36
RUGP00D2	-0.45
RUGP00D3	-0.42
RUGP00E1	-0.54
RUGP00E2	-0.26
RUGP00E3	-0.99
RUGP00F1	-0.36
RUGP00F2	-0.24
RUGP00F3	-0.31
RUWB001A	0.02
RUWB001B	0.02
RUWB002A	-0.31
RUWB002B	-0.38
RUWB002C	-0.29
RUWB002D	0.02
RUWB003A	-0.03
RUWB003B	0.1
RUWB004A	-0.03
RUWB004B	0
RUWB005A	-0.4
RUWB005B	-0.09

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From : 06/03/2021

To : 24/03/2021

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Sample Point	Dip to Water (m)	TD (m)	Water Level (mAOD)
RUBH0006	2.85	12.94	111.35
RUBH0007	4.2	40.46	110.90
RUGBH003	2.89	5.35	111.91
RUGBH004	3	22.36	111.85
RUGBH005	3.57	7.37	112.14

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From : 06/03/2021

To : 24/03/2021

12/03/2021

Sample Point	Dip to Water (m)	TD (m)	Water Level (mAOD)
RUBH0006	3.12	12.87	111.08
RUBH0007	4.71	40.24	110.39
RUGBH003	3.2	5.32	111.60
RUGBH004	3.33	22.38	111.52
RUGBH005	4.1	7.39	111.61

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From : 06/03/2021

To : 24/03/2021

16/03/2021

Sample Point	Dip to Water (m)	TD (m)	Water Level (mAOD)
RUBH0006	3.29	22.37	110.91
RUBH0007	4.9	40.27	110.20
RUBH0008	0.41	42.56	119.39
RUBH0009	2.1	7.82	
RUBH0010	2.06	37.89	125.69
RUBH0013	0.79	37.2	136.76
RUBH0014	4.99	10.75	133.16
RUBH0015	5.18	20.7	122.42
RUBH0016	9.95	42.15	122.65
RUBH001A	5.12	13.1	115.08
RUBH001B	5.17	7.04	114.98
RUBH002A	4.95	6.45	114.65
RUBH002B	5.08	11.78	114.52
RUBH003A	5.5	13.21	113.25
RUBH003B	5.12	6.34	113.78
RUBH004A	5.24	11.19	112.26
RUBH004B	5.23	6.5	112.27
RUBH011A	1.68	12.82	131.42
RUBH012A	0.5	5.45	135.30
RUGBH001	6.04	6.15	
RUGBH002	3.07	7.49	111.63
RUGBH003	3.35	5.33	111.45
RUGBH004	3.49	22.38	111.36
RUGBH005	4.3	7.36	111.41
RUGBH006	0.64	7.14	118.79
RUGBH007	0.72	3.15	136.02
RUGBH008	1.12	6.45	135.13
RUGBH009	0.95	8.35	131.20
RUGBH010	0.76	4.19	127.69
RUGBH02A	2	2.22	112.10
RUWB001A	2.34	48.95	115.66
RUWB001B	3.99	7.89	113.96
RUWB002A	4.44	21.46	112.96
RUWB002B	5.65	10.36	111.75
RUWB002C	6	8.05	111.79
RUWB002D	5.7	21.61	113.90
RUWB003A	8.38	10.72	129.62
RUWB003B	0.31	7.6	137.39
RUWB004A	1.26	48.47	131.44
RUWB004B	0.9	8.62	132.05
RUWB005A	1.4	8.5	117.75
RUWB005B	2.55	25.29	116.55

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From : 06/03/2021

To : 24/03/2021

24/03/2021

Sample Point	Dip to Water (m)	TD (m)	Water Level (mAOD)
RUBH0006	3.77	12.87	110.43
RUBH0007	5.09	40.24	110.01
RUGBH003	3.75	5.33	111.05
RUGBH004	3.86	22.38	110.99
RUGBH005	4.59	7.36	111.12

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Ruabon Leachate Levels Report March 2021



From : 26/03/2021

To : 26/03/2021

26/03/2021

Sample Point	Depth of Liq (m)	Dip to Water (m)	TD (m)	Water Level (mAOD)
LMP007R	0.72	18.07	18.18	111.52
LMP008R	1.93	20.54	21.94	111.93
LMP009R	1.61	21.37	21.67	111.91
RUGW00M1	1.10	13.07	14.62	111.55
RUGW00M3	1.46	11.43	11.84	113.71
RUGW00M5	2.88	18.44	21.07	113.38
RUGW00M10	3.01	24.49	26.48	99.01
RUGWM4r	1.01	16.82	17.55	111.09
RULMP006		17.5	19.03	113.73
RULMP2r	2.49	13.72	15.93	112.49

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Ruabon LFGX & Balancing Report March 2021



From : 04/03/2021

To : 30/03/2021

04/03/2021

Sample Point	AtPress (mBar)	CH4 (%v/v) (%)	CO (ppm)	CO2 (%v/v) (%)	Engine Output (Kwh)	FlareTemp (Deg C)	Flow (m3/hr)
MW01	998	22.5	1	20.4			
MW02	998	44.7	2	22			
MW05	997	38.9	6	2.4			
MW06	991	0.5	1	5.4			
MW07R	997	49.6	1	28.9			
MW08R	997	52.2	1	21.9			
MW09R	996	44.2	1	25.7			
Ruabon flare		36.6		24.1		0	0
RUALCM10	998	54.9	2	26.5			
RUALMP4a	997	4.5	6	4.1			
RUAR0007	997	21.9	1	21			
RUAR0023	996	22.9	2	25.2			
RUAR0036	998	18.1	2	3.2			
RUAR0045	997	33.8	1	14.5			
RUAR0060	997	71.5	2	27.4			
RUAR0061	996	25.1	1	21			
RUAR0062	996	35.9	1	25.1			
RUAW1401	997	25.3	1	27.2			
RUAW1402	997	35.9	3	29			
RUAW1403	997	33.7	1	24.4			
RUAW1405	996	37.1	2	24.1			
RUAW1418	997	28	1	21.4			
RUAW1601	997	40.1	1	26.9			
RUCOMPND		34.9	1	24.2	172		
RUGW00M4	997	27.3	1	21.4			
RULMP2r	998	17.8	13	9.4			
W01	998	9.8	1	5.1			
W02	998	4.4	1	15.2			
W03	998	48.4	1	22.8			
W08	997	2.5	0	7.1			
W11R	998	47.9	2	28.3			
W12	998	70.6	0	29.1			
W13	997	4.7	0	8.5			
W14	997	51.6	0	24.3			
W15	997	11.6	0	6.8			
W16	996	0.4	0	2			
W17	996	17	1	25.5			
W18	996	53	1	23.8			
W19	996	61.6	1	32.1			
W20	996	17.1	1	22.9			
W21	996	18.8	1	22.4			
W22	996	33.8	1	25.6			
W24	997	0.1	1	2.1			
W27	998	72.3	1	26.4			
W29R	997	30	1	23.7			
W31R	998	40.8	1	25.5			
W32R	997	42.1	1	26.3			
W34R	998	53.8	1	23.3			
W43	997	13.5	1	6.8			
W44	997	65.2	2	34.3			

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To : 30/03/2021

04/03/2021

	AtPress (mBar)	CH4 (%v/v) (%)	CO (ppm)	CO2 (%v/v) (%)	Engine Output (Kwh)	FlareTemp (Deg C)	Flow (m3/hr)
W46	996	22.7	1	24.3			
W47	997	23.2	1	21.7			
W48	996	18.1	3	21.2			
W49	996	37.2	2	26.7			
W50R	997	6.8	4	23.7			
W51	997	52.1	2	28.1			
W53	998	14.6	1	14			
W54	998	0	1	6			
W55	997	10.4	2	19.5			
W56R	998	60.8	1	37.2			
W57R	997	29.4	1	24.8			
W59	997	49.2	2	32.1			
W63	997	0.2	1	12			
W64	996	22.5	1	26.5			
W66	996	25	1	21.4			
W67	997	19.5	1	21.6			
W68	996	40.9	3	23.3			

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From : 04/03/2021

To : 30/03/2021

04/03/2021

Sample Point	Flow (scmh)	H2S (ppm)	LFG-Bal (%)	O2 (%v/v)	Rel Press (mBar)	Valve Adj	Valve Position
MW01		0	58.1	0.4	-4.5	10	10
MW02		0	32.9	0.4	-5.72	10	10
MW05		0	76.6	3.3	-5.84	10	10
MW06		0	74.9	20.9	-3.6	0	10
MW07R		0	22.4	1.4	-6.57	10	10
MW08R		0	23.6	2.3	-5.16	10	10
MW09R		0	28.9	1.2	-13.91	10	10
Ruabon flare			37.1	2.2	128.88		
RUALCM10		0	14.8	3.8	-30.71	50	50
RUALMP4a		0	73.5	18.6	-32.45	10	10
RUAR0007		2	57	0.1	-5.03	10	10
RUAR0023		0	51.9	0	-16.28	10	10
RUAR0036		0	63.1	16.5	-7.83	10	10
RUAR0045		0	41.7	10.6	-33.29	0	10
RUAR0060		1	1.4	0.7	-17.34	10	10
RUAR0061		0	53.5	0.4	-12.88	10	10
RUAR0062		0	38.6	0.4	-7.02	10	10
RUAW1401		0	47.1	0.4	-4.34	10	10
RUAW1402		0	35.4	0.3	-5.57	10	10
RUAW1403		0	41.3	0.6	-22.22	20	20
RUAW1405		0	38.3	0.5	-6.67	10	10
RUAW1418		0	47.4	3.2	-26.22	10	10
RUAW1601		0	32.7	0.3	-27.52	20	20
RUCOMPND	146	1	40.7	2.8	-33.62		
RUGW00M4		0	51	0.3	-5.67	10	10
RULMP2r		0	62.7	10.2	-28.97	10	10
W01		0	76.3	20.7	-9.07	10	10
W02		0	78.8	7.5	-3.59	10	10
W03		0	28.4	0.4	-29.28	10	10
W08		1	77.8	20.5	-6.24	10	10
W11R		0	23.4	0.4	-9.93	10	10
W12		0	0	0.6	2.84	50	50
W13		0	75.7	13.7	-6.41	0	10
W14		0	19.5	4.6	-0.79	10	10
W15		0	63.9	17.9	-32.76	10	10
W16		0	77.9	20.7	-11.03	10	10
W17		0	60.6	0.3	-2.86	10	10
W18		0	22.4	1	-30	10	10
W19		0	6.3	0	-5.22	10	10
W20		0	60	0.6	-4.97	0	10
W21		0	62	0	-7.78	10	10
W22		0	40	0.6	-27.66	10	10
W24		0	77.3	20.9	-28.14	10	10
W27		0	0.6	0.7	-30.67	50	50
W29R		0	42.7	3.6	-12.97	10	10
W31R		0	30.3	3.4	-11.36	10	10
W32R		0	30.8	0.8	-19.24	10	10
W34R		0	19.1	3.8	-9.09	10	10
W43		0	63	18.2	-32.93	10	10
W44		1	4.8	1.2	-12.33	10	10

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From : 04/03/2021

To : 30/03/2021

04/03/2021

	Flow (scmh)	H2S (ppm)	LFG-Bal (%)	O2 (%v/v)	Rel Press (mBar)	Valve Adj	Valve Position
W46		0	52.4	0.6	-5.03	10	10
W47		0	55.3	9.3	-29.22	10	10
W48		1	50.1	11.2	-30.05	10	10
W49		0	37.8	9.7	-30.4	10	10
W50R		1	77.9	8.5	-5.45	10	10
W51		0	15.7	4.1	-14.72	10	10
W53		0	76.3	3.4	-3.83	10	10
W54		0	80.5	13.7	-1.97	10	10
W55		1	70.4	0.3	-4.36	10	10
W56R		0	1.6	0.4	-7.57	10	10
W57R		0	45.4	0.4	-22.05	10	10
W59		0	26.5	6.6	-29.66	10	10
W63		0	81.3	6.8	-5.26	10	10
W64		0	51	0	-3.19	10	0
W66		0	60.1	3.4	-8.86	10	10
W67		1	58.7	0.2	-10.22	10	10
W68		0	33.7	7.4	-31.79	10	10

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From : 04/03/2021

To : 30/03/2021

30/03/2021

Sample Point	AtPress (mBar)	CH4 (%v/v) (%)	CO (ppm)	CO2 (%v/v) (%)	Engine Output (Kwh)	FlareTemp (Deg C)	Flow (m3/hr)
MW03	1013	7.5	1	4.6			
Ruabon flare		29.7		21.7		832	228
RUALCM10	1013	61.8	3	25.1			
RUAW1404	1012	8.1	2	15.1			
RUAW1412	1013	34	6	24.8			
RUAW1413	1013	35.3	4	25.5			
RUAW1414	1013	23.6	2	22.8			
RUAW1415	1013	7.5	1	10.1			
RUAW1416	1013	39	2	19.8			
RUAW1417	1014	0.2	1	1.9			
RUAW1418	1013	28.4	4	22.2			
RUAW1602	1013	30.1	1	12			
RUAW1603	1013	23.4	2	8.2			
RUCOMPND		30.8	8	23.3	165		
W04	1013	56.6	1	23			
W05	1013	74.8	1	28.5			
W33R	1013	0.2	1	1.5			
W35	1013	6.8	1	4.8			
W37R	1014	48.3	6	26.2			
W38R	1014	66.5	3	31.4			
W39R	1014	45.1	9	23.4			
W40R	1014	0.8	2	3.2			
W41R	1014	73	2	26.5			
W42R	1014	40.5	1	17.9			
W52	1013	33.8	1	14.3			
W65R	1012	40.1	2	25.7			

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From : 04/03/2021

To : 30/03/2021

30/03/2021

Sample Point	Flow (scmh)	H2S (ppm)	LFG-Bal (%)	O2 (%v/v)	Rel Press (mBar)	Valve Adj	Valve Position
MW03		0	71.1	18.7	-33.54	10	10
Ruabon flare			45.8	2.8	30.54		
RUALCM10		0	10.4	2.7	-29.12	10	10
RUAW1404		0	61.7	15.4	-4.75	10	10
RUAW1412		0	40.8	0.4	-30.27	20	20
RUAW1413		0	38.5	0.7	-32.02	20	20
RUAW1414		0	52	1.6	-32.39	10	10
RUAW1415		0	71.7	10.7	-32.59	10	10
RUAW1416		0	38.5	2.7	-33.47	10	10
RUAW1417		0	78.4	20.8	-34.61	10	10
RUAW1418		0	48.9	0.5	-30.48	20	20
RUAW1602		0	45.8	12.1	-23.28	10	10
RUAW1603		0	54.7	13.7	-33.54	10	10
RUCOMPND	270	0	46	2.7	-36.22		
W04		0	16.8	4.7	-19.89	10	10
W05		0	0	0.3	-31.82	10	10
W33R		0	77.6	20.7	-33.35	10	10
W35		0	71	17.4	-32.37	10	10
W37R		0	25.1	0.4	-33.07	20	20
W38R		0	3.7	1.2	-4.03	10	10
W39R		0	30.9	0.6	-30.84	20	20
W40R		0	77.5	20.2	-34.95	10	10
W41R		0	0	0.5	-24.45	100	100
W42R		0	33.1	8.5	-15.16	10	10
W52		0	42.6	9.7	-34.52	0	10
W65R		0	33.6	0.6	-15.26	10	10

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Ruabon Groundwater Levels Report March 2021



From : 16/03/2021

To : 16/03/2021

16/03/2021

Sample Point	Dip to Water (m)	TD (m)	Water Level (mAOD)
RUBH0013	0.79	37.2	136.76
RUWB002A	4.44	21.46	112.96
RUWB002B	5.65	10.36	111.75
RUWB002C	6	8.05	111.79
RUWB002D	5.7	21.61	113.90
RUWB003A	8.38	10.72	129.62
RUWB004A	1.26	48.47	131.44
RUWB005A	1.4	8.5	117.75
RUWB005B	2.55	25.29	116.55

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Ruabon Groundwater Quality Report March 2021



From : 16/03/2021

To : 16/03/2021

16/03/2021

Sample Point	Alk (CaCO3:mg/l)	Amm-N (N:mg/l)	BOD (mg/l)	Ca(D) (mg/l)	Cd(D) (mg/l)	Chloride (mg/l)	Cr(D) (mg/l)
RUBH0013	352	0.2	<1	152	<0.00002	7	<0.001
RUWB002A	63.9	2	4.1	97	0.00007	656	<0.001
RUWB002B	276	0.5	<1	91	0.00011	85	<0.001
RUWB002C	623	3.4	<1.3	148	0.00003	242	<0.001
RUWB002D	461	0.6	<1	7	<0.00002	34	<0.001
RUWB003A	305	0.4	3.9	7	<0.00002	22	<0.001
RUWB004A	477	0.4	3.2	4	<0.00002	24	<0.001
RUWB005A	289	0.5	<1	136	0.00005	47	<0.001
RUWB005B	295	0.6	3.2	2	<0.00002	38	<0.001

Sample Point	COD (mg/l)	Cond (uS / cm)	Cond(Fld) (uS / cm)	Cu(D) (mg/l)	Fe(D) (mg/l)	Field Comments	Pb(D) (mg/l)
RUBH0013	17	741	648	0.001	<0.01	Sampled	<0.001
RUWB002A	6	2120	1705	<0.001	<0.01	Sampled	<0.001
RUWB002B	<5	781	775	<0.001	<0.01	Sampled	<0.001
RUWB002C	20	1860	1501	<0.001	0.02	Sampled	<0.001
RUWB002D	<5	1080	967	<0.001	0.08	Sampled	<0.001
RUWB003A	6	648	628	<0.001	<0.01	Sampled	<0.001
RUWB004A	<5	958	857	<0.001	0.01	Sampled	<0.001
RUWB005A	10	989	879	<0.001	<0.01	Sampled	<0.001
RUWB005B	<5	1080	896	<0.001	0.09	Sampled	<0.001

Sample Point	K(D) (mg/l)	Mg(D) (mg/l)	Mn(D) (mg/l)	Ni(D) (mg/l)	pH (Lab)	pH(Fld)	Purge Vol. (litres)
RUBH0013	4	13	0.785	0.002	7.1	7.1	71.49
RUWB002A	34	52	0.245	0.005	7.2	7.4	33.42
RUWB002B	11	16	0.128	<0.001	7.6	7.9	9.25
RUWB002C	34	19	3.55	0.023	7	7.3	14.53
RUWB002D	9	2	0.026	<0.001	8.2	7.7	179.94
RUWB003A	20	13	0.036	0.001	7.6	8.3	
RUWB004A	11	<1	0.011	<0.001	8.7	8.6	100.26
RUWB005A	19	33	0.121	0.003	7.7	7.5	13.94
RUWB005B	7	<1	0.003	<0.001	9.9	9.5	54.03

Sample Point	Na(D) (mg/l)	S.Solids (mg/l)	TOC (mg/l)	TON (mg/l)	Total S(D) SO4:mg/l	WtrTemp (Deg C)	Zn(D) (mg/l)
RUBH0013	22	119	4.6	<0.2	39	12.4	0.003
RUWB002A	222	2100	4.6	<0.2	<3	12	<0.002
RUWB002B	60	54	0.66	<0.2	<3	10.5	<0.002
RUWB002C	242	479	9.8	0.8	10	10.1	0.008
RUWB002D	261	21	2	<0.2	41	10.8	<0.002
RUWB003A	125	119	1.6	0.5	<3	11.6	0.002
RUWB004A	234	60	1.4	<0.2	<3	11.6	<0.002
RUWB005A	44	44	4.3	<0.2	170	9.6	<0.002
RUWB005B	240	112	0.65	<0.2	187	10.3	<0.002

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Ruabon Surface Water Quality Report March 2021



From : 16/03/2021

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Sample Point	Amm-N (N:mg/l)	BOD (mg/l)	Chloride (mg/l)	COD (mg/l)	Cond (uS / cm)	Cond(Fld) (uS / cm)	DO(Lab) (mg/l)
RUWP004A	6.3	4.5	31	27	594	594	8.4

Sample Point	pH (Lab)	pH(Fld)	S.Solids (mg/l)	WtrTemp (Deg C)
RUWP004A	7.6	7.6	11	9.6

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