

Subsurface Gas Monitoring

EPL No:		11584						
Date of Reported Results		28/9/2023 - 9/11/2023						
Date of Sampling rounds	Monitoring Location Identification	Pollutant					Bal (%)	Avg. Flow rate (l/h)
		Methane (% v/v)*	Carbon Dioxide (% v/v)*	Oxygen (% v/v)*	CO (ppm)	H2S (ppm)		
28/9/2023 Follow Up using GHD sampling method (no purge) - Exceedance	HPGAS1R (10)	0	6.1	11.5	0	0	82.3	0.1
	HPGAS2R (11)	0	0.6	20.1	0	0	79.3	0
	HPGAS3R (12)	0	0.1	20.6	0	0	79.3	0.1
	HPGAS4 (13)	0	7.8	10.7	0	0	81.5	0.1
	HPGAS5 (14)	0	0.1	20.7	0	0	79.2	0
	HPGAS6 (15)	0	1.6	19.3	0	0	79.1	0.1
	HPGAS7 (16)	0	3.4	16.9	0	0	79.7	0
	HPGAS8 (17)	0	4.7	14.5	0	0	80.8	0
	HPGAS9S (18)	19.3	7.5	14.2	0	24	59	0
	HPGAS9D (19)	0	0.2	20.6	0	0	79.2	0
	HPGAS10 (20)	0.7	6.8	10.8	1	0	81.7	0.1
28/9/2023 Retest using Veolia method (purging) - Exceedance	HPGAS9S (18)	2.8	1.2	19.6				0
5/10/2023 Follow Up using GHD sampling method (no purge) - Exceedance	HPGAS1R (10)	0	6.8	10.7	0	0	82.5	0
	HPGAS2R (11)	0	2.2	18	0	0	79.8	0
	HPGAS3R (12)	0	0.3	20.7	0	0	79	0
	HPGAS4 (13)	0	0.1	20.8	0	0	79.1	0
	HPGAS5 (14)	0	0.5	20.7	0	0	78.7	0
	HPGAS6 (15)	0	8.8	12.6	0	0	78.5	0
	HPGAS7 (16)	0	12.5	6.9	0	0	80.6	0.1
	HPGAS8 (17)	0	10.1	9.5	0	0	80.4	0
	HPGAS9S (18)	0	0.1	20.4	1	0	79.5	0
	HPGAS9D (19)	0	0.1	20.5	2	0	79.4	0
	HPGAS10 (20)	32	5.4	2.2	1	0	60.3	-0.2
5/10/2023 Retest using Veolia method (purging) - Exceedance	HPGAS10 (20)	27.4	4.2	10.4				-0.2
12/10/2023 Follow Up using GHD sampling method (no purge) - Exceedance	HPGAS1R (10)	0	5.4	11.1	0	0	83.6	0.1
	HPGAS2R (11)	0	1.5	18.6	0	0	79.9	0
	HPGAS3R (12)	0	0.4	20.2	0	0	79.4	0.1
	HPGAS4 (13)	0	8.7	11	1	0	80.3	0.1
	HPGAS5 (14)	0	0.5	20.1	1	0	79.3	0.1
	HPGAS6 (15)	0	10.3	11.1	1	0	78.6	0.1
	HPGAS7 (16)	0	11.2	8.2	0	1	80.6	0.1
	HPGAS8 (17)	0	11	9	0	0	80	0
	HPGAS9S (18)	0.6	3.1	18.2	0	3	78.1	0
	HPGAS9D (19)	0	0.2	20.4	1	0	79.3	0
	HPGAS10 (20)	80.8	8.2	0	0	2	11	0.1
12/10/2023 Retest using Veolia method (purging) - Exceedance	HPGAS10 (20)	29.7	4.5	10.9	0	2	55	0.1
19/10/2023 Follow Up using GHD sampling method (no purge) - Exceedance	HPGAS1R (10)	0	1.5	18.5	0	0	80	0
	HPGAS2R (11)	0	1.5	18.8	0	0	79.7	0
	HPGAS3R (12)	0	0.4	20.5	0	0	79.1	0
	HPGAS4 (13)	0	7.4	12.3	0	0	80.3	0
	HPGAS5 (14)	0	0.6	20.5	0	0	78.9	0
	HPGAS6 (15)	0	11.1	10.8	1	0	78.1	0
	HPGAS7 (16)	0	10.7	9.3	0	0	80	0
	HPGAS8 (17)	0	11.2	9.6	0	0	79.2	-0.4
	HPGAS9S (18)	0	1.2	19.7	0	0	79.1	0
	HPGAS9D (19)	0	0.2	20.5	0	0	79.2	0
	HPGAS10 (20)	6.1	7.5	5.8	2	0	80.7	0
19/10/2023 Retest using Veolia method (purging) - Exceedance	HPGAS10 (20)	0.2	0.5	20.1	1	0	79.2	0
26/10/2023 Follow up using GHD method (no purge)	HPGAS1R (10)	0	3.1	17.4	0	0	79.5	0
	HPGAS7 (16)	0	12.4	7.9	0	0	79.6	0
	HPGAS8 (17)	0	12.3	8.6	1	0	79.1	-0.5
	HPGAS9S (18)	0	0.1	20.9	1	0	79	0
	HPGAS9D (19)	0	0.2	20.8	3	0	79	0
	HPGAS10 (20)	0.4	1.7	18.3	0	0	79.6	0
2/11/2023 Quarterly Monitoring Round using GHD method (no purge)	HPGAS1R (10)	0	0.2	21.5	0	0	78.3	0
	HPGAS2R (11)	0	1.4	19.5	0	0	79.1	0
	HPGAS3R (12)	0	0.5	20.8	0	0	78.7	0
	HPGAS4 (13)	0	4.6	16.8	0	0	78.6	0
	HPGAS5 (14)	0	0.6	21	0	0	78.4	0.1
	HPGAS6 (15)	0	12.4	9.9	0	0	77.7	0
	HPGAS7 (16)	0	13.4	7	0	0	79.6	0
	HPGAS8 (17)	0	11.9	8.7	0	0	79.3	-0.1
	HPGAS9S (18)	0	0.3	20.5	0	1	79.2	0
	HPGAS9D (19)	0	0.2	20.5	1	0	79.3	0
	HPGAS10 (20)	0	1.2	19.4	0	0	79.4	0
9/11/2023 Retest using using GHD method (no purge) - Exceedance	HPGAS9S (18)	55.3	16.5	6.4	2	32	21.9	0
9/11/2023 Retest using Veolia method (purging) - Exceedance	HPGAS9S (18)	10.6	3.8	17.4	1	6	68.2	0

* Unit of Measure Abbreviations

Percent by volume % v/v

<http://www.environment.nsw.gov.au/prpoeapp/ViewPOEOlicence.aspx?DOCID=30721&SYSUID=1&LICID=11584>