

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)					(ppm)	
North Quarry								
GEW-002	1/9/2017	54	40	ND	5.6	ND	ND	
GEW-002	2/15/2017	56	41	ND	ND	ND	ND	
GEW-002	3/9/2017	56	42	ND	ND	ND	ND	
GEW-002	4/11/2017	55	43	ND	ND	ND	ND	
GEW-002	5/9/2017	49	40	2.7	9.1	ND	ND	See Note 3
GEW-02S	1/9/2017	50	34	3.5	12	ND	ND	See Note 3
GEW-02S	3/9/2017	59	38	ND	ND	ND	ND	
GEW-02S	5/9/2017	61	34	ND	3.7	ND	ND	
GEW-003	1/9/2017	49	37	ND	12	0.1	ND	
GEW-003	2/15/2017	50	39	ND	11	0.1	ND	
GEW-003	3/9/2017	49	39	ND	11	0.1	ND	
GEW-003	4/11/2017	51	39	ND	9.8	0.1	ND	
GEW-003	5/9/2017	56	41	ND	ND	0.08	ND	
GEW-004	1/9/2017	54	41	ND	4.5	0.1	ND	
GEW-004	2/15/2017							See Note 7
GEW-004	3/9/2017	47	38	ND	14	0.1	ND	
GEW-004	4/11/2017	50	38	ND	11	0.1	ND	
GEW-004	5/9/2017	54	40	ND	5.7	0.08	ND	
GEW-005	1/10/2017	50	37	ND	11	0.1	ND	
GEW-005	2/15/2017	38	33	ND	28	ND	ND	
GEW-005	3/9/2017	34	29	2.9	34	ND	ND	See Note 3
GEW-005	4/11/2017	46	33	ND	20	ND	ND	
GEW-005	5/9/2017	51	35	ND	14	ND	ND	
GEW-006	1/10/2017	52	37	ND	11	ND	ND	
GEW-006	3/9/2017	44	34	ND	21	ND	ND	
GEW-006	5/9/2017	56	37	ND	6.6	ND	ND	
GEW-007	1/10/2017	56	40	ND	ND	ND	ND	
GEW-007	3/8/2017	57	40	ND	ND	ND	ND	
GEW-007	5/9/2017	44	31	5.7	20	ND	ND	See Note 3
GEW-008	1/10/2017	50	41	1.9	6.8	0.4	ND	See Note 3
GEW-008	2/15/2017	54	43	ND	ND	0.8	ND	
GEW-008	3/8/2017	54	43	ND	ND	1.0	ND	
GEW-008	4/11/2017	53	43	ND	ND	0.7	ND	
GEW-008	5/9/2017	53	44	ND	ND	0.45	ND	
GEW-009	1/10/2017	44	37	ND	17	0.5	ND	
GEW-009	2/15/2017	48	41	ND	9.8	0.6	ND	
GEW-009	3/8/2017	49	41	ND	8.4	0.5	ND	
GEW-009	4/11/2017	45	39	1.7	13	0.4	ND	See Note 3
GEW-009	5/9/2017	52	42	ND	4.2	0.8	ND	
GEW-040	1/9/2017	58	40	ND	ND	ND	ND	
GEW-040	2/15/2017	55	37	1.7	5.7	ND	ND	See Note 3
GEW-040	3/8/2017	57	41	ND	ND	ND	ND	
GEW-040	4/11/2017	57	41	ND	ND	ND	ND	
GEW-040	5/9/2017	58	40	ND	ND	ND	ND	
GEW-041R	1/9/2017	56	40	ND	3.0	ND	ND	
GEW-041R	3/8/2017	56	37	ND	5.9	ND	ND	
GEW-041R	5/15/2017	56	37	ND	5.1	ND	ND	
GEW-042R	1/9/2017	57	39	ND	3	ND	ND	
GEW-042R	2/15/2017	48	36	3.6	13	ND	ND	See Note 3
GEW-042R	3/8/2017	56	42	ND	ND	ND	ND	
GEW-042R	4/11/2017	56	41	ND	ND	ND	ND	
GEW-042R	5/9/2017	56	41	ND	ND	ND	ND	
GEW-043R	1/9/2017	55	42	ND	ND	0.1	ND	
GEW-043R	3/8/2017	55	42	ND	ND	0.1	ND	
GEW-043R	5/9/2017	56	41	ND	ND	0.22	ND	
GEW-044	1/9/2017	56	41	ND	ND	ND	ND	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-044	3/8/2017	51	37	ND	11	ND	ND	
GEW-044	5/9/2017	58	39	ND	ND	ND	ND	
GEW-045R	1/9/2017	57	37	ND	5.6	ND	ND	
GEW-045R	2/15/2017	56	37	ND	5.4	ND	ND	
GEW-045R	3/8/2017	60	38	ND	ND	ND	ND	
GEW-045R	4/11/2017	60	37	ND	ND	ND	ND	
GEW-045R	5/9/2017	60	38	ND	ND	ND	ND	
GEW-046R	1/9/2017	54	41	ND	4.5	0.1	ND	
GEW-046R	2/15/2017	47	36	2.5	15	0.1	ND	See Note 3
GEW-046R	3/15/2017	51	39	ND	9.9	0.1	ND	
GEW-046R	4/11/2017	52	39	ND	8.0	0.1	ND	
GEW-046R	5/9/2017	56	39	ND	3.9	0.06	ND	
GEW-047R	1/9/2017	54	41	ND	4.4	0.1	ND	
GEW-047R	2/15/2017	44	35	ND	21	ND	ND	
GEW-047R	3/9/2017	42	34	ND	22	ND	ND	
GEW-047R	4/11/2017	32	27	ND	40	0.1	ND	
GEW-047R	5/9/2017	53	39	ND	7.2	ND	ND	
GEW-048	1/10/2017	55	39	ND	5	ND	ND	
GEW-048	2/15/2017	45	34	3.1	19	ND	ND	See Note 3
GEW-048	3/9/2017	50	38	ND	11	ND	ND	
GEW-048	4/11/2017	50	36	ND	14	ND	ND	
GEW-048	5/9/2017	54	38	ND	6.2	ND	ND	
GEW-049	1/9/2017	54	39	ND	6.2	0.1	ND	
GEW-049	2/14/2017	54	38	ND	6.8	0.1	ND	
GEW-049	3/8/2017	37	31	ND	31	ND	ND	
GEW-049	4/11/2017	43	30	2.5	24	ND	ND	See Note 3
GEW-049	5/9/2017	55	38	ND	5.9	ND	ND	
GEW-050	1/10/2017	51	37	ND	12	0.04	ND	
GEW-050	3/9/2017	41	31	3	25	0.05	ND	See Note 3
GEW-050	5/9/2017	55	38	ND	6	ND	ND	
GEW-051	1/9/2017	55	42	ND	ND	1.5	ND	
GEW-051	3/8/2017	49	38	ND	10	0.9	ND	
GEW-051	5/9/2017	54	41	ND	ND	1.1	ND	
GEW-052	1/10/2017	52	38	ND	9.1	ND	ND	
GEW-052	3/8/2017	34	28	1.9	35	ND	ND	See Note 3
GEW-052	5/9/2017	51	36	ND	12	ND	ND	
GEW-053	1/9/2017	40	34	3.4	2.1	1.8	ND	See Note 3
GEW-053	2/14/2017	44	37	ND	16	2.2	95	
GEW-053	3/8/2017	44	37	ND	14	4.6	110	
GEW-053	4/11/2017	46	36	ND	12	4.2	48	
GEW-053	5/9/2017	51	39	ND	5.8	2.8	55	
GEW-054	1/9/2017	55	41	ND	ND	1.2	ND	
GEW-054	2/14/2017	50	40	ND	4.1	4.9	ND	
GEW-054	3/8/2017	46	38	2.3	9.4	4.7	34	See Note 3
GEW-054	4/11/2017	52	41	ND	4	2.1	35	
GEW-054	5/9/2017	52	40	ND	3.9	2.2	ND	
GEW-055	1/9/2017	47	37	3	11	1.5	ND	See Note 3
GEW-055	2/14/2017	53	43	ND	ND	1.7	ND	
GEW-055	3/8/2017	51	40	1.9	6.3	1.4	ND	See Note 3
GEW-055	4/11/2007	48	41	ND	3.7	5.4	45	
GEW-055	5/9/2017	48	41	ND	ND	6.8	53	
Flare Station ²	1/4/2017	40.7	34.1	2.1	22.0	ND	ND	See Note 5
Flare Station ²	2/7/2017	47.1	36.5	0.9	13.8	ND	ND	See Note 5
Flare Station ²	3/7/2017	42.7	34.9	1.7	18.8	ND	ND	See Note 5
Flare Station ²	4/4/2017	46.5	37.9	ND	11.7	ND	ND	See Note 5
Flare Station ²	5/16/2017	45.9	34.5	2.4	15.5	ND	ND	See Note 5

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)					(ppm)	
<p>Notes: (1) Based on the comparison of field to laboratory readings, oxygen to balance gas ratios, and historical concentrations, the sample was determined to be suspect due to oxygen introduction which likely occurred during sample collection or laboratory analytical methods. (2) MDNR also collected duplicate LFG samples at these locations during this sampling period. (3) Based on the oxygen verification readings taken with an Envision meter, it was determined there is a sample train leak. (4) Based on the oxygen verification readings taken with an Envision meter, it was determined that the readings are accurate. (5) Flare station gas concentration data is an average of NQ EP14 A (or 1) and NQ EP14 B (or 2), located in the North Quarry. (6) Flare station gas concentration data is an average of Outlets 1 and 2 (A & B) or SQ OU 1 and OU 2, located in the South Quarry. (7) Sample not reported by lab due to canister leak.</p> <p>ND = Analyte not detected in sample. ² = Flare Station measured at EPA Method 2 flow port (blower outlet)</p>								

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)					(ppm)	
South Quarry								
GEW-010	1/11/2017	51	46	ND	ND	0.1	ND	
GEW-010	2/14/2017	47	42	2.5	8.5	0.1	ND	See Note 3
GEW-010	3/7/2017	47	45	1.8	6	0.1	ND	
GEW-010	4/10/2017	56	40	ND	ND	0.13	ND	
GEW-010	5/2/2017	57	40	ND	ND	ND	ND	
GEW-038	1/11/2017	7.2	42	6.3	22	22	1,500	See Note 4
GEW-038	2/14/2017	12	50	2.9	11	24	1,300	See Note 4
GEW-038	3/7/2017	1.3	56	ND	3.4	37	2,800	
GEW-038	4/11/2017	6.4	55	ND	5.1	32	2,100	
GEW-038	5/2/2017	1.1	56	ND	ND	38	2,400	
GEW-039	1/11/2017	45	53	ND	ND	0.1	ND	
GEW-039	2/14/2017	45	52	ND	ND	0.1	ND	
GEW-039	3/7/2017	44	53	ND	ND	0.04	ND	
GEW-039	4/11/2017	44	54	ND	ND	0.07	ND	
GEW-039	5/2/2017	45	53	ND	ND	0.05	ND	
GEW-056R	1/11/2017	13	57	ND	ND	27	1,000	
GEW-056R	2/14/2017	15	52	ND	4.9	27	1,000	
GEW-056R	3/7/2017	16	51	ND	5.2	27	970	
GEW-056R	4/10/2017	14	52	ND	4.3	28	880	
GEW-056R	5/2/2017	16	53	ND	ND	28	920	
GEW-057R	1/12/2017	8.6	39	4.6	29	19	840	See Note 4
GEW-057R	3/3/2017	12	42	1.6	29	16	600	
GEW-057R	5/9/2017	5.9	37	3	42	11	370	
GEW-058	1/12/2017	8.5	32	6.8	38	14	610	See Note 4
GEW-058	3/3/2017	12	40	2.1	34	13	500	
GEW-058	5/8/2017	11	38	1.8	42	7.4	260	
GEW-058A	3/3/2017	8.6	31	2.7	50	6.7	300	
GEW-058A	5/8/2017	9.9	33	2.9	50	4.6	210	
GEW-059R	1/12/2017	4.1	49	ND	ND	44	1,800	
GEW-059R	3/3/2017	6.8	47	ND	ND	43	1,600	
GEW-059R	5/8/2017	7.8	45	ND	ND	43	1,500	
GEW-082R	1/12/2017	3.2	50	ND	ND	43	1,900	
GEW-082R	3/10/2017	7.2	47	1.7	5.8	38	1,500	See Note 3
GEW-082R	5/8/2017	2.5	49	ND	ND	45	1,700	
GEW-086	3/10/2017	4.2	55	ND	3.1	36	960	
GEW-090	1/12/2017	11	46	ND	ND	40	1,800	
GEW-090	3/10/2017	12	44	ND	3.6	39	1,600	
GEW-090	5/9/2017	8.4	38	4.2	15	34	1,300	See Note 3
GEW-102	1/12/2017	2	53	ND	3	40	830	
GEW-102	5/9/2017	7.2	47	2.5	8.6	34	640	
GEW-107	1/12/2017	24	47	2	7	20	1,200	See Note 4
GEW-107	3/3/2017	37	40	4	14	5.1	230	
GEW-109	1/11/2017	21	51	ND	6.5	20	790	
GEW-109	2/14/2017	19	49	ND	8.3	22	910	
GEW-109	3/7/2017	27	47	ND	9.1	16	510	
GEW-109	4/11/2017	24	49	ND	9.6	17	510	
GEW-109	5/2/2017	23	50	ND	8	18	530	
GEW-110	1/11/2017	13	48	ND	13	25	1,300	
GEW-110	2/14/2017	10	34	5.2	35	15	800	See Note 4
GEW-110	3/7/2017	12	35	6.7	35	11	570	See Note 4
GEW-110	4/10/2017	5.5	22	12.0	50	10	500	See Note 4
GEW-110	5/2/2017	5.8	22	11	50	11	540	
GEW-116	1/12/2017	1.8	59	ND	4.8	33	2,100	
GEW-116	5/8/2017	1.8	42	7.4	26	21	1,200	See Note 3
GEW-117	1/12/2017	7.4	61	1.7	5.9	23	1,900	See Note 4
GEW-117	3/9/2017	7	65	ND	ND	25	1,600	

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-117	5/9/2017	4.3	43	6.4	22	23	1,100	See Note 4
GEW-118	1/12/2017	1.3	53	2.1	7.6	35	1,500	See Note 3
GEW-118	3/9/2017	1.5	56	ND	ND	38	1,500	
GEW-118	5/8/2017	1.1	54	ND	ND	39	1,600	
GEW-120	3/9/2017	38	58	ND	ND	1.8	43	
GEW-120	5/2/2017	16	54	ND	23	5.8	280	
GEW-121	1/11/2017	9.2	56	ND	6.3	27	1,500	
GEW-121	3/9/2017	10	56	ND	7.7	25	1,200	
GEW-121	5/2/2017	8.8	50	2.7	18	20	980	See Note 3
GEW-122	3/9/2017	0.3	56	ND	ND	41	2,800	
GEW-122	5/2/2017	11	41	ND	30	16	1,200	
GEW-123	3/7/2017	0.4	60	ND	ND	36	3,100	
GEW-123	5/5/2017	18	37	3	35	7	420	See Note 3
GEW-124	1/11/2017	35.0	49	2.9	10.0	2.4	280	See Note 4
GEW-125	1/11/2017	2.4	55	ND	ND	38	2,600	
GEW-125	3/6/2017	3.4	56	ND	ND	37	2,500	
GEW-125	5/2/2017	3.5	54	ND	5.7	35	2,200	
GEW-126	1/11/2017	24	52	ND	5.4	18	1,600	
GEW-126	3/6/2017	23	51	ND	18	6.4	460	
GEW-126	5/2/2017	18	49	ND	26	5.7	440	
GEW-127	1/11/2017	2.9	46	7	25	18	2,200	See Note 4
GEW-127	3/2/2017	3.9	58	2.6	12	23	2,700	
GEW-127	5/2/2017	6.4	57	2.6	14	18	1,900	
GEW-128	1/12/2017	6.4	64	ND	ND	26	2,900	
GEW-128	3/2/2017	5.7	61	ND	5.1	27	3,000	
GEW-128	5/2/2017	2.6	64	ND	ND	29	3,300	
GEW-129	1/12/2017	1.4	69	1.7	5.9	22	3,300	See Note 4
GEW-129	3/2/2017	3.4	70	ND	4.6	19	2,400	
GEW-129	5/2/2017	0.7	76	ND	ND	20	2,300	
GEW-130	1/11/2017	0.4	55	ND	ND	41	3,600	
GEW-130	3/2/2017	1.1	36	8.3	30	24	1,900	See Note 4
GEW-130	5/2/2017	3.3	39	6.9	28	22	1,700	See Note 4
GEW-131	1/11/2017	0.8	61	ND	ND	36	2,000	
GEW-131	3/6/2017	19	46	ND	11	22	1,200	
GEW-131	5/23/2017	12	41	ND	19	26	1,700	
GEW-132	1/9/2017	4.8	53	ND	ND	39	2,000	
GEW-132	3/9/2017	7.5	46	2.1	18	26	1,300	
GEW-132	5/2/2017	5.9	38	3.1	37	15	810	
GEW-133	1/9/2017	0.6	18	15	53	14	1,000	See Note 3
GEW-133	3/9/2017	1.0	55	ND	ND	41	1,600	
GEW-133	5/2/2017	0.88	57	2.4	8.4	30	2,200	
GEW-134	1/9/2017	18	52	ND	ND	26	1,300	
GEW-134	3/15/2017	15	47	2.1	18	18	900	
GEW-134	5/5/2017	8.9	34	6.1	41	11	480	See Note 4
GEW-135	1/9/2017	0.2	6.6	19	68	6.4	190	See Note 4
GEW-135	3/9/2017	0.6	62	ND	ND	34	2,600	
GEW-135	5/5/2017	4.4	33	4.8	44	14	690	
GEW-136	1/9/2017	7.5	41	ND	39	11	410	
GEW-136	3/15/2017	3.4	19	13	55	10	320	See Note 4
GEW-137	1/9/2017	0.6	57	ND	ND	39	2,600	
GEW-137	3/9/2017	9.9	23	3.9	63	0.06	ND	
GEW-137	5/5/2017	8.4	20	6.7	65	ND	ND	See Note 3
GEW-138	5/5/2017	5.3	33	3.1	41	17	1,000	
GEW-139	1/12/2017	3	40	6	23	27	2100	See Note 4
GEW-139	3/2/2017	3.1	48	2.8	11	34	2700	
GEW-139	5/9/2017	3.1	48	2.7	10	36	2500	
GEW-140	1/12/2017	5.7	37	7.9	30	19	1,100	See Note 4

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-140	3/3/2017	3.6	38	6.3	25	28	1,400	See Note 4
GEW-140	5/8/2017	9.8	35	5.7	35	15	730	See Note 4
GEW-141	1/12/2017	0.31	54	2.1	7.3	36	4100	See Note 4
GEW-141	3/3/2017	1.9	43	5.6	20	29	3200	See Note 4
GEW-141	5/8/2017	0.19	45	5.4	19	29	3300	See Note 4
GEW-142	1/12/2017	2.3	58	3.5	12	23	2,100	See Note 4
GEW-144	1/12/2017	4.7	55	ND	4.7	33	1600	
GEW-144	3/3/2017	0.78	45	4.8	17	32	1800	See Note 4
GEW-146	1/9/2017	2.8	9	13	75	0.9	120	See Note 4
GEW-147	1/9/2017	12	50	ND	9.8	27	1200	
GEW-147	3/7/2017	13	46	ND	18	22	920	
GEW-147	5/5/2017	0.5	53	ND	ND	41	2400	
GEW-148	1/9/2017	0.2	1.9	21	76	0.6	31	See Note 4
GEW-148	5/2/2017	7.1	55	1.8	6.1	30	2,300	
GEW-149	1/9/2017	17	48	1.5	16	17	750	See Note 4
GEW-149	3/10/2017	11	43	3.4	30	13	580	
GEW-149	5/2/2017	12	41	3.6	33	9.9	400	
GEW-150	1/11/2017	5.4	50	3.5	18	22	1,400	See Note 4
GEW-150	3/3/2017	11.0	38	5.1	38	7.8	420	See Note 4
GEW-150	5/9/2017	9.2	37	7.2	35	12	590	See Note 4
GEW-151	1/9/2017	1.4	45	ND	ND	51	1000	
GEW-151	3/10/2017	1	41	1.9	6.5	49	900	See Note 3
GEW-153	1/11/2017	31.0	43.0	2.4	8.4	14.0	530	See Note 4
GEW-153	3/3/2017	37.0	44.0	ND	ND	16.0	430	
GEW-153	5/8/2017	25	39	2.7	23	10	350	
GEW-154	1/9/2017	1.7	4.3	20	72	1.3	89	See Note 4
GEW-154	3/10/2017	33	42	2.3	8	15	700	
GEW-154	5/2/2017	22	29	8.7	38	1.6	140	See Note 4
GEW-155	1/9/2017	5.4	52	ND	8.2	33	1,200	
GEW-155	5/8/2017	2.4	38	2.2	32	25	940	
GEW-156	3/3/2017	16	32	5.3	44	2	95	See Note 4
GEW-156	5/9/2017	10	25	8	56	0.77	40	See Note 4
GEW-157	5/9/2017	14	50	ND	5.4	28	1,500	
GEW-158	3/10/2017	26	33	4.4	25	11	490	
GEW-158	5/8/2017	5	51	ND	ND	40	1700	
GEW-159	5/8/2017	7.3	27	10	38	17	920	See Note 4
GEW-160	1/9/2017	5.5	54	ND	ND	37	2,100	
GEW-160	3/10/2017	11	52	ND	3.6	32	2,000	
GEW-160	5/2/2017	6	51	ND	ND	39	2,300	
GEW-161	1/9/2017	2.8	54	ND	ND	40	2,200	
GEW-161	5/2/2017	16	42	6	24	11	480	See Note 3
GEW-162	3/10/2017	6.8	31	11	38	13	690	See Note 4
GEW-163	1/11/2017	0.95	16	16	59	7.8	490	See Note 4
GEW-163	3/7/2017	4.8	30	8.8	46	9.3	590	See Note 4
GEW-163	5/2/2017	3.1	41	4.8	36	14	900	
GEW-164	1/11/2017	5	25	13	49	7	540	See Note 4
GEW-164	3/7/2017	10	41	7.1	32	8.6	660	See Note 4
GEW-164	5/2/2017	13	64	ND	6.4	15	1,200	
GEW-165	1/11/2017	3.2	63	ND	ND	30	2,800	
GEW-165	3/6/2017	5.6	62	ND	ND	29	2,400	
GEW-165	5/2/2017	5.1	59	1.7	6	28	2,100	
GEW-166	1/11/2017	5.6	32	8.2	36	18	1,400	See Note 4
GEW-166	3/6/2017	0.3	54	1.7	5.7	38	3,200	
GEW-166	5/2/2017	0.51	44	4.9	17	32	2,500	
GEW-167	1/11/2017	3.6	39	5.1	23	29	1,900	See Note 4
GEW-167	3/6/2017	1.5	46	3.5	14	34	2,400	
GEW-167	5/2/2017	1.4	41	5.1	21	31	2,100	See Note 4

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GEW-168	1/11/2017	4.2	59	ND	ND	32	2,600	
GEW-168	3/6/2017	3.4	53	2.2	7.5	33	2,600	
GEW-168	5/2/2017	3.3	58	ND	ND	34	2,400	
GEW-169	1/11/2017	3.3	53	4.5	16	22	2,300	See Note 4
GEW-169	3/6/2017	2.1	36	9	32	20	1,700	See Note 4
GEW-169	5/2/2017	1.5	35	9.6	35	18	1,600	See Note 4
GEW-170	1/11/2017	4.2	50	5.8	22	17	2,400	See Note 4
GEW-170	3/2/2017	3.3	57	4	16	20	2,700	
GEW-170	5/2/2017	2.9	65	ND	ND	29	3,200	
GEW-172	1/12/2017	0.7	57	ND	ND	40	3,200	
GEW-172	5/9/2017	0.25	48	3.3	12	36	2,800	
GEW-173	1/12/2017	4.3	16	15	62	2.6	260	See Note 4
GEW-173	5/8/2017	7.1	21	9.2	59	2.7	310	See Note 4
GEW-174	1/12/2017	4.6	39	4.9	29	21	1,500	See Note 4
GEW-174	3/3/2017	5.5	34	6.6	34	20	1,200	See Note 4
GEW-174	5/8/2017	8.7	31	6.5	38	15	850	See Note 4
GEW-175	1/11/2017	18	52	3.2	16	11	610	See Note 4
GEW-175	3/3/2017	16	45	4.5	23	11	510	
GEW-175	5/8/2017	15	43	5.9	24	12	470	See Note 4
GEW-176	1/11/2017	23	53	1.9	8.9	13	590	See Note 4
GEW-176	3/3/2017	18	40	6	25	10	400	
GEW-176	5/8/2017	18	54	ND	8.1	17	730	
GEW-177	1/12/2017	0.2	55	3.8	13	27	4,300	See Note 4
GIW-01	1/11/2017	4.5	67	ND	3.8	23	2,100	
GIW-01	2/14/2017	3.5	66	ND	4.7	25	1,900	
GIW-01	3/7/2017	12	58	3.6	16	10	720	
GIW-01	4/10/2017	17	40	6.6	35	1.2	170	See Note 4
GIW-01	5/1/2017	6.1	28	11	53	1.9	250	See Note 4
GIW-02	1/11/2017	12	67	ND	ND	19	970	
GIW-02	2/14/2017	1.8	60	1.7	5.8	30	1,800	See Note 4
GIW-02	3/7/2017	4.7	32	9.9	44	9.1	460	See Note 4
GIW-02	4/10/2017	2.9	16	16	63	1.9	130	See Note 4
GIW-02	5/1/2017	5.9	31	11	43	8.2	300	See Note 4
GIW-03	1/11/2017	1	66	ND	ND	29	2,000	
GIW-03	2/14/2017	7.1	42	6.4	33	11	490	See Note 3
GIW-03	3/7/2017	1	57	2.3	8	31	1,900	
GIW-03	4/10/2017	0.85	48	4.6	16	31	1,700	See Note 4
GIW-03	5/1/2017	0.82	52	3.4	12	31	1,800	
GIW-04	1/11/2017	1.1	53	ND	ND	43	2,400	
GIW-04	2/14/2017	0.5	37	6.5	23	33	1,800	See Note 4
GIW-04	3/7/2017	0.1	8.1	19	66	7.2	400	See Note 4
GIW-04	4/10/2017	0.4	24	11	41	23	1,200	See Note 4
GIW-04	5/2/2017	0.61	29	9.5	33	27	1,600	See Note 4
GIW-05	1/11/2017	0.2	1.6	22	77	ND	ND	See Note 4
GIW-05	2/14/2017	0.05	2.1	22	76	ND	ND	See Note 4
GIW-05	3/7/2017	0.07	1.6	22	77	0.04	ND	See Note 4
GIW-05	4/10/2017	0.01	1.5	22	77	ND	ND	See Note 4
GIW-05	5/2/2017	0.013	2.6	21	76	ND	ND	See Note 4
GIW-06	1/11/2017	3.1	36	ND	37	21	1,200	
GIW-06	2/14/2017	22	45	2.1	7.2	22	550	See Note 3
GIW-06	3/7/2017	24	39	4.2	14	18	480	See Note 3
GIW-06	4/11/2017	6.4	50	ND	17	25	600	
GIW-06	5/2/2017	4.5	48	1.7	13	32	640	
GIW-07	1/11/2017	37	49	ND	6.4	6	410	
GIW-07	2/14/2017	32	50	2.4	8	7	430	See Note 4
GIW-07	3/7/2017	35	49	1.8	5.9	8.4	540	
GIW-07	4/11/2017	13	51	5.8	21	9.4	680	See Note 4

Laboratory Analysis - Bridgeton Landfill

Well Name	Date Sampled	Methane	CO ₂	O ₂ /Argon	Nitrogen	Hydrogen	Carbon Monoxide	Comments
		(%)						
GIW-07	5/2/2017	17	56	3.3	12	12	940	
GIW-08	1/11/2017	35	46	ND	18	0.3	88	
GIW-08	2/14/2017	42	55	ND	ND	0.7	140	
GIW-08	3/7/2017	36	59	ND	4.1	0.7	160	
GIW-08	4/11/2017	21	68	ND	9.4	0.5	200	
GIW-08	5/2/2017	26	68	ND	4.2	0.7	220	
GIW-09	1/11/2017	24	36	3.9	31	4.4	150	See Note 4
GIW-09	2/14/2017	29	41	2.3	19	8.3	280	See Note 4
GIW-09	3/7/2017	6.2	25	7	56	5.4	320	
GIW-09	4/11/2017	2.3	15	12	66	4.6	160	See Note 4
GIW-09	5/2/2017	11	28	4.4	51	5.7	220	
GIW-10	1/11/2017	6.7	53	ND	ND	37	1,400	
GIW-10	2/14/2017	8.3	49	ND	4.4	36	1,200	
GIW-10	3/7/2017	6.4	51	ND	ND	40	1,300	
GIW-10	4/10/2017	1.5	51	ND	ND	43	1,200	
GIW-10	5/2/2017	4	51	ND	ND	42	1,100	
GIW-11	1/11/2017	1.8	64	ND	ND	31	2,100	
GIW-11	2/14/2017	5.5	60	ND	7.2	27	1,500	
GIW-11	3/7/2017	5.3	56	ND	11	26	1,400	
GIW-11	4/11/2017	3	61	ND	4.3	30	1,500	
GIW-11	5/2/2017	1.9	60	ND	ND	36	1,600	
GIW-12	1/11/2017	3.5	64	ND	ND	31	1500	
GIW-12	2/14/2017	10	40	5.9	31	13	590	See Note 4
GIW-12	3/7/2017	9.1	33	8.1	39	10	490	See Note 4
GIW-12	4/10/2017	10	37	6.9	35	11	380	See Note 4
GIW-12	5/2/2017	11	39	6	30	14	470	See Note 4
GIW-13	1/11/2017	9.9	69	ND	ND	18	890	
GIW-13	2/14/2017	12	68	ND	ND	17	660	
GIW-13	3/7/2017	13	66	ND	ND	18	760	
GIW-13	4/10/2017	11	67	ND	ND	18	680	
GIW-13	5/2/2017	9.6	66	ND	ND	22	880	
Flare Station ²	1/4/2017	9.8	38.7	7.4	30.6	12.8	815	See Note 6
Flare Station ²	2/7/2017	9.7	37.7	7.9	31.7	12.2	840	See Note 6
Flare Station ²	3/7/2017	9.1	35.0	8.6	35.2	11.6	695	See Note 6
Flare Station ²	4/4/2017	9.3	35.6	8.5	34.5	11.5	680	See Note 6
Flare Station ²	5/11/2017	14.5	34.2	7.8	33.2	9.5	525	See Note 6

Notes: (1) Based on the comparison of field to laboratory readings, oxygen to balance gas ratios, and historical concentrations, the sample was determined to be suspect due to oxygen introduction which likely occurred during sample collection or laboratory analytical methods. (2) MDNR also collected duplicate LFG samples at these locations during this sampling period. (3) Based on the oxygen verification readings taken with an Envirovision meter, it was determined there is a sample train leak. (4) Based on the oxygen verification readings taken with an Envirovision meter, it was determined that the readings are accurate. (5) Flare station gas concentration data is an average of NQ EP14 A (or 1) and NQ EP14 B (or 2), located in the North Quarry. (6) Flare station gas concentration data is an average of Outlets 1 and 2 (A & B) or SQ OU 1 and OU 2, located in the South Quarry. (7) Sample not reported by lab due to canister leak.

ND = Analyte not detected in sample.

² = Flare Station Inlet measured at EPA Method 2 flow port (blower outlet)