West Lake Landfill Baseline Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: West Lake Landfill Baseline Ambient Air Monitoring
Period Start: 8/23/14 6:00 AM
Period End: 8/29/14 6:00 AM

DAY: 6 AM to 6 PM
NIGHT: 6 PM to 6 AM

Statistics displayed: highest 8-hour time-weighted average occurring within the period

Station 1: Robertson Fire Protection Station 2, 3820 Taussig Road, Bridgeton, MO

Instrument	Analyte	TWA Period	Units	Sat 8/23		Sun 8/24		Mon 8/25		Tue 8/26		Wed 8/27		Thu 8/28		Fri 8/29	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	--	--	--	--	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
	CO	8 hr	ppm	--	--	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	H_2S	8 hr	ppm	--	--	--	--	0.70	0.71	0.38	0.40	0.33	0.33	0.16	0.15	0.12	0.13
	SO_2	8 hr	ppm	--	--	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	8.9	8.9	8.9	8.7	9.1	9.1	8.7	8.7	9.0	9.4	8.8	9.7	8.4	8.6

Station 2: Pattonville Fire Department District, 13900 St. Charles Rock Road, Bridgeton, MO

Instrument	Analyte	TWA Period	Units	Sat 8/23		Sun 8/24		Mon 8/25		Tue 8/26		Wed 8/27		Thu 8/28		Fri 8/29	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	--	--	--	--	0.70	0.70	0.40	0.43	0.41	0.42	0.31	0.31	0.28	0.30
	CO	8 hr	ppm	--	--	--	--	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
	H_2S	8 hr	ppm	--	--	--	--	0.40	0.38	0.17	0.18	0.16	0.16	0.11	0.11	0.10	0.10
	SO_2	8 hr	ppm	--	--	--	--	0.01	0.01	0.11	0.12	0.12	0.12	0.08	0.08	0.05	0.05
Genitron	Gamma	8 hr	µR/hr	10.0	9.6	9.7	9.6	9.6	9.5	9.4	9.5	9.8	10.2	9.6	10.4	9.6	9.5

Station 3: Pattonville Fire Department District Station 2, 3365 McKelvey Road, Bridgeton, MO

Instrument	Analyte	TWA Period	Units	Sat 8/23		Sun 8/24		Mon 8/25		Tue 8/26		Wed 8/27		Thu 8/28		Fri 8/29	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	--	--	--	--	0.95	1.19	0.95	1.01	1.01	1.02	0.97	0.98	0.69	0.77
	CO	8 hr	ppm	--	--	--	--	0.05	0.11	0.13	0.13	0.17	0.15	0.19	0.18	0.18	0.18
	H_2S	8 hr	ppm	--	--	--	--	0.74	0.74	0.43	0.45	0.36	0.36	0.33	0.33	0.29	0.31
	SO_2	8 hr	ppm	--	--	--	--	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	11.3	11.0	11.4	11.2	11.3	11.0	11.4	11.2	11.3	11.8	11.3	11.8	11.5	11.6

Station 4: Spanish Village Park, 12827 Spanish Village Drive, Bridgeton, MO

Instrument	Analyte	TWA Period	Units	Sat 8/23		Sun 8/24		Mon 8/25		Tue 8/26		Wed 8/27		Thu 8/28		Fri 8/29	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	--	--	--	--	2.00	1.79	1.03	1.08	0.94	0.95	0.54	0.59	0.40	0.46
	CO	8 hr	ppm	--	--	--	--	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.01	0.02	0.01
	H_2S	8 hr	ppm	--	--	--	--	0.50	0.47	0.21	0.22	0.19	0.19	0.12	0.12	0.16	0.17
	SO_2	8 hr	ppm	--	--	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	10.2	9.9	10.2	10.3	10.2	10.2	10.1	10.2	10.2	11.0	10.0	10.5	10.3	10.1

Station 5: St. Charles Fire Department Station #2, 1550 S. Main Street, St. Charles, MO

Instrument	Analyte	TWA Period	Units	Sat 8/23		Sun 8/24		Mon 8/25		Tue 8/26		Wed 8/27		Thu 8/28		Fri 8/29	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	--	--	--	--	0.01	0.26	0.26	0.24	0.24	0.26	0.26	0.26	0.24	0.26
	CO	8 hr	ppm	--	--	--	--	0.47	0.57	0.17	0.17	0.10	0.10	0.17	0.17	0.18	0.06
	H_2S	8 hr	ppm	--	--	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SO_2	8 hr	ppm	--	--	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	10.4	10.4	9.8	10.0	10.0	10.1	10.2	10.0	10.3	10.3	9.8	10.5	9.9	9.9

Hours of Intrusive Isolation Barrier Construction				*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*

Notes:

CO	Carbon monoxide	µR/hr	microRoentgen per hour	SO_2	Sulfur dioxide
H_2S	Hydrogen Sulfide	NA	Not Applicable	TWA	Time-weighted Average
$\mu g/m^3$	micrograms per cubic meter	ppm	Parts per million	VOC	Volatile organic compounds