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: 11/8/14 6:00 AM
Period End: 11/14/14 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 11/8		Sun 11/9		Mon 11/10		Tue 11/11		Wed 11/12		Thu 11/13		Fri 11/14	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00
	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	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	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	10.0	10.2	10.0	10.2	10.0	10.4	10.2	9.8	9.6	9.7	9.5	9.4	9.7	9.6

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

Instrument	Analyte	TWA Period	Units	Sat 11/8		Sun 11/9		Mon 11/10		Tue 11/11		Wed 11/12		Thu 11/13		Fri 11/14	
				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	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00
	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	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	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	9.5	9.4	9.4	9.6	9.8	9.9	9.3	8.9	8.8	8.8	8.7	8.6	8.6	8.8

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

Instrument	Analyte	TWA Period	Units	Sat 11/8		Sun 11/9		Mon 11/10		Tue 11/11		Wed 11/12		Thu 11/13		Fri 11/14	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CO	8 hr	ppm	0.08	0.12	0.16	0.16	0.19	0.19	0.08	0.01	0.01	0.01	0.01	0.01	0.06	0.15
	H_2S	8 hr	ppm	0.04	0.04	0.07	0.07	0.07	0.06	0.02	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	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	11.3	11.1	11.1	11.5	13.5	14.2	12.1	10.8	10.1	10.5	10.6	10.4	10.3	10.2

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

Instrument	Analyte	TWA Period	Units	Sat 11/8		Sun 11/9		Mon 11/10		Tue 11/11		Wed 11/12		Thu 11/13		Fri 11/14	
				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	0.00	0.04	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CO	8 hr	ppm	0.12	0.15	0.14	0.14	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.11	0.12	0.19
	H_2S	8 hr	ppm	0.10	0.10	0.13	0.09	0.10	0.08	0.20	0.21	0.22	0.29	0.34	0.05	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	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	9.4	9.2	9.4	9.6	9.4	9.6	9.5	9.1	9.0	9.0	9.2	9.0	9.3	9.2

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

Instrument	Analyte	TWA Period	Units	Sat 11/8		Sun 11/9		Mon 11/10		Tue 11/11		Wed 11/12		Thu 11/13		Fri 11/14	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.00	0.00	0.04	0.04	0.02	0.05	0.02	0.00	0.00	0.00	0.02	0.01	0.05	0.06
	CO	8 hr	ppm	0.09	0.11	0.14	0.14	0.10	0.12	0.09	0.00	0.00	0.00	0.00	0.00	0.01	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	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	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	9.1	9.4	9.1	9.5	9.5	9.5	9.3	8.9	8.7	8.7	8.7	9.0	8.8	8.8

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	VOC	Volatile organic compound
H_2S	Hydrogen Sulfide	ppm	Parts per million	TWA	Time-weighted Average		