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: 9/27/14 6:00 AM
Period End: 10/3/14 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 9/27		Sun 9/28		Mon 9/29		Tue 9/30		Wed 10/1		Thu 10/2		Fri 10/3	
				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	0.06	0.07	0.07	0.08	0.04	0.06	0.01	0.02	0.03	0.03	0.01	0.01	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	8.8	8.9	8.6	8.7	8.8	8.8	9.3	10.7	11.2	11.2	11.1	11.6	11.6	9.8

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

Instrument	Analyte	TWA Period	Units	Sat 9/27		Sun 9/28		Mon 9/29		Tue 9/30		Wed 10/1		Thu 10/2		Fri 10/3	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.18	0.18	0.23	0.24	0.23	0.24	0.23	0.24	0.14	0.14	0.10	0.10	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	0.09	0.10	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.05	0.02
Genitron	Gamma	8 hr	µR/hr	10.0	9.7	10.0	9.9	10.1	9.8	9.6	9.5	9.4	9.9	9.8	10.8	10.6	9.0

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

Instrument	Analyte	TWA Period	Units	Sat 9/27		Sun 9/28		Mon 9/29		Tue 9/30		Wed 10/1		Thu 10/2		Fri 10/3	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.14	0.15	0.16	0.19	0.12	0.14	0.18	0.21	0.14	0.17	0.10	0.10	0.02	0.00
	CO	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
	H_2S	8 hr	ppm	0.05	0.06	0.08	0.09	0.04	0.04	0.06	0.06	0.03	0.03	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	11.8	11.9	14.3	14.1	12.1	12.0	11.9	12.0	12.0	12.1	11.9	12.7	11.9	11.0

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

Instrument	Analyte	TWA Period	Units	Sat 9/27		Sun 9/28		Mon 9/29		Tue 9/30		Wed 10/1		Thu 10/2		Fri 10/3	
				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	0.21	0.21	0.22	0.23	0.22	0.23	0.21	0.21	0.20	0.20	0.19	0.19	0.21	0.23
	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	9.9	10.1	10.2	10.0	10.1	10.3	10.4	9.9	10.2	10.4	10.3	10.4	9.0

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

Instrument	Analyte	TWA Period	Units	Sat 9/27		Sun 9/28		Mon 9/29		Tue 9/30		Wed 10/1		Thu 10/2		Fri 10/3	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.74	0.76	0.84	0.78	0.83	0.76	0.82	0.80	0.87	1.08	1.10	0.21	0.42	0.49
	CO	8 hr	ppm	0.16	0.16	0.36	0.36	0.09	0.11	0.17	0.18	0.04	0.05	0.72	0.72	0.20	0.08
	H_2S	8 hr	ppm	0.34	0.36	0.46	0.50	0.36	0.44	0.52	0.56	0.24	0.31	0.85	0.87	0.42	0.14
	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	10.1	9.8	9.5	9.6	9.4	10.0	9.8	9.5	10.1	9.8	10.8	10.7	9.2

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 compounds
H_2S	Hydrogen Sulfide	ppm	Parts per million	TWA	Time-weighted Average		