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: 10/18/14 6:00 AM
Period End: 10/24/14 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 10/18		Sun 10/19		Mon 10/20		Tue 10/21		Wed 10/22		Thu 10/23		Fri 10/24	
				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	10.1	10.0	9.9	9.8	10.7	10.8	10.2	10.3	9.8	9.9	10.2	10.3	10.4	10.4

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

Instrument	Analyte	TWA Period	Units	Sat 10/18		Sun 10/19		Mon 10/20		Tue 10/21		Wed 10/22		Thu 10/23		Fri 10/24	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.04	0.04	0.01	0.01	0.09	0.10	0.08	0.09	0.01	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	0.07	0.07	0.05	0.06	0.09	0.09	0.08	0.09	0.01	0.00	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	9.2	9.2	9.3	9.3	10.1	10.0	9.5	9.3	8.9	9.1	9.4	9.5	9.9	9.6

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

Instrument	Analyte	TWA Period	Units	Sat 10/18		Sun 10/19		Mon 10/20		Tue 10/21		Wed 10/22		Thu 10/23		Fri 10/24	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.02	0.02	0.03	0.05	0.05	0.06	0.09	0.10	0.08	0.11	0.00	0.02	0.09	0.12
	CO	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.35	0.25	0.26	0.30	0.32
	H_2S	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.07	0.07	0.07	0.07	0.07	0.07
	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	11.2	11.2	11.2	11.9	11.7	12.3	11.1	11.1	10.9	10.7	11.0	11.9	11.9

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

Instrument	Analyte	TWA Period	Units	Sat 10/18		Sun 10/19		Mon 10/20		Tue 10/21		Wed 10/22		Thu 10/23		Fri 10/24	
				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	0.17	0.22	0.09	0.12	0.05	0.13	0.22	0.29
	CO	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.12	0.13	0.15	0.15	0.12	0.16	0.16
	H_2S	8 hr	ppm	0.21	0.21	0.23	0.20	0.20	0.19	0.20	0.09	0.10	0.09	0.09	0.09	0.08	0.08
	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	9.0	9.2	9.7	9.6	9.4	9.3	9.0	9.2	9.4	9.5	9.4	9.5

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

Instrument	Analyte	TWA Period	Units	Sat 10/18		Sun 10/19		Mon 10/20		Tue 10/21		Wed 10/22		Thu 10/23		Fri 10/24	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.42	0.45	0.49	0.26	0.31	0.38	0.40	0.07	0.04	0.04	0.07	0.07	0.14	0.04
	CO	8 hr	ppm	0.15	0.17	0.20	0.24	0.34	0.42	0.24	0.25	0.23	0.24	0.17	0.23	0.40	0.36
	H_2S	8 hr	ppm	0.29	0.30	0.45	0.47	0.69	0.70	0.17	0.16	0.08	0.08	0.04	0.10	0.39	0.45
	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	9.3	9.2	9.1	9.3	9.3	9.3	9.3	9.3	9.0	9.2	9.3	9.5	9.5	9.3

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