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: 8/16/14 6:00 AM
Period End: 8/15/14 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 8/16		Sun 8/17		Mon 8/18		Tue 8/19		Wed 8/20		Thu 8/21		Fri 8/22	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.02	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	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---
	H_2S	8 hr	ppm	0.01	0.04	0.01	0.09	0.17	0.20	0.07	0.12	0.14	0.18	0.14	0.25	0.30	---
	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	---
Genitron	Gamma	8 hr	µR/hr	12.9	13.3	12.7	10.6	10.7	10.7	11.0	11.1	11.0	11.1	10.6	11.4	11.4	9.1

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

Instrument	Analyte	TWA Period	Units	Sat 8/16		Sun 8/17		Mon 8/18		Tue 8/19		Wed 8/20		Thu 8/21		Fri 8/22	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.03	0.09	0.10	0.15	0.27	0.29	0.17	0.27	0.29	0.33	0.30	0.39	0.50	---
	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	---
	H_2S	8 hr	ppm	0.10	0.09	0.09	0.09	0.12	0.12	0.10	0.12	0.12	0.14	0.16	0.19	0.30	---
	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	---
Genitron	Gamma	8 hr	µR/hr	10.9	10.7	9.9	9.6	9.6	9.6	10.2	10.1	9.9	9.7	9.6	9.5	9.6	9.8

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

Instrument	Analyte	TWA Period	Units	Sat 8/16		Sun 8/17		Mon 8/18		Tue 8/19		Wed 8/20		Thu 8/21		Fri 8/22	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.28	0.11	0.19	0.24	0.41	0.54	0.30	0.41	0.64	0.85	0.73	1.15	0.74	---
	CO	8 hr	ppm	0.14	0.16	0.10	0.10	0.17	0.17	0.15	0.15	0.19	0.18	0.16	0.16	0.14	---
	H_2S	8 hr	ppm	0.10	0.13	0.12	0.12	0.29	0.34	0.22	0.30	0.33	0.39	0.38	0.53	0.60	---
	SO_2	8 hr	ppm	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.03	0.03	---
Genitron	Gamma	8 hr	µR/hr	13.0	12.1	11.8	11.6	11.7	11.8	11.8	11.6	11.8	11.8	11.2	11.1	11.3	11.2

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

Instrument	Analyte	TWA Period	Units	Sat 8/16		Sun 8/17		Mon 8/18		Tue 8/19		Wed 8/20		Thu 8/21		Fri 8/22	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.07	0.13	0.25	0.36	0.38	0.41	0.32	0.39	0.40	0.50	0.48	0.61	1.00	---
	CO	8 hr	ppm	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.02	0.02	0.01	0.01	---
	H_2S	8 hr	ppm	0.07	0.11	0.12	0.16	0.15	0.12	0.11	0.11	0.13	0.14	0.16	0.20	0.30	---
	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	---
Genitron	Gamma	8 hr	µR/hr	11.2	10.3	9.7	9.7	9.8	9.9	9.9	10.1	10.1	10.2	9.8	9.8	9.9	9.8

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

Instrument	Analyte	TWA Period	Units	Sat 8/16		Sun 8/17		Mon 8/18		Tue 8/19		Wed 8/20		Thu 8/21		Fri 8/22	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.54	0.46	0.45	0.42	0.31	0.30	0.31	0.27	0.25	0.28	0.26	0.25	0.25	---
	CO	8 hr	ppm	0.02	0.05	0.03	0.03	0.11	0.11	0.18	0.09	0.07	0.07	0.08	0.09	0.04	---
	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	---
	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	---
Genitron	Gamma	8 hr	µR/hr	11.1	10.4	9.9	9.5	9.4	9.5	10.0	9.7	9.8	9.9	9.7	9.7	9.8	9.8

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
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