Air Monitoring Summary Tables

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

Project Name: Knoxville College

Date: June 10, 2014

Time: 9:25 - 17:00

Northeast Corner						
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**
AreaRAE (.232)	VOC	No	2302	0	0 - 0 ppm	0 ppm
	CO	No	4605	2200	0 - 5.3 ppm	1.69 ppm
	LEL	No	0	0	0 - 0%	-
	O2	No	2303	2303	20.9 - 21.3%	21.04%
	H2S	No	2303	0	0 - 0.2 ppm	0.03 ppm
DataRAM (.140)	PM-2.5	No	478	478	2 - 16.8 ug/m3	8.03 ug/m3

Southwest Corner						
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**
AreaRAE (.137)	VOC	No	457	10	0 - 0.6 ppm	0.01 ppm
	CO	No	457	0	0 - 0.7 ppm	0.06 ppm
	LEL	No	457	0	0 - 0%	0 ppm
	O2	No	457	457	20.9 - 22.9%	22.02%
	H2S	No	457	0	0 - 0 ppm	0 ppm
DataRAM (.139)	PM-2.5	No	340	340	3.5 - 15.8 ug/m3	9.33 ug/m3

Building Interior						
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**
AreaRAE (.134)	VOC	No	664	0	0 - 0 ppm	0 ppm
	CO	No	664	1	0 - 1.1 ppm	0.06 ppm
	LEL	No	664	0	0 - 0%	0 ppm
	O2	No	442	442	20.9 - 20.9%	20.9%
	H2S	No	664	0	0 - 0.1 ppm	0 ppm
DataRAM (.228)	PM-2.5	No	435	397	0 - 33.9 ug/m3	13.4 ug/m3

Personal Monitor Multiple locations within the building interior						
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**
MultiRAE (.230)	VOC	No	1178	1174	0 - 18 ppb	7.02 ppb
	CO	No	1177	0	0 - 0 ppm	0 ppm
	LEL	No	1177	0	0 - 0%	0 ppm
	O2	No	1173	1173	20.9 - 20.9%	20.9%
	H2S	No	1178	700	0 - 15 ppm	6.99 ppm
	Gamma	No	250	0	0 - 0 ppm	0 ppm

Notes:

CO	Carbon monoxide
H_2S	Hydrogen sulfide
LEL	Lower explosive limit
O_2	Oxygen
PM-2.5	Particulate matter with an average diameter less than 2.5 microns
ppm	Parts per million
ppb	Parts per billion
ug/m^3	micrograms per cubic meter
VOC	Volatile organic compounds