DIRECT READING
AIR MONITORING LOG

CLIENT: Los Angeles Unified School District DATE: 2/19/16 PAGE 1 of 2

LOCATION: Van Gogh Charter School BY: Travis Dagdigian

INSTRUMENT: **Ultra RAE 3000 Photo Ionization Detector**

BENZENE FUNCTION TEST: ☒ Pass (No Calibration Required) ☐ Fail (Conduct Calibration)

BENZENE SENSOR CALIBRATION VALUE: _____ ppmv CALIBRATION READING: _____ ppmv

INSTRUMENT: **Multi RAE**

FUNCTION TEST: ☒ Pass (No Calibration Required) ☐ Fail (Conduct Calibration)

CALIBRATION VALUE: H2S _____ ppmv CO _____ ppmv LEL _____ % O2 _____ % IB _____ ppmv

CALIBRATION READING: H2S _____ ppmv CO _____ ppmv LEL _____ % O2 _____ % IB _____ ppmv

INSTRUMENT: **Jerome J631X Hydrogen Sulfide Analyzer**

FUNCTION TEST: ☒ Pass (No Calibration Required) ☐ Fail (Return to Manufacturer for Calibration)

CALIBRATION VALUE: N/A Factory Calibrated CALIBRATION READING: Manufacturer Calibration Only

TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes					Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Mercaptans (ppmv)	
1110	0.00	0.00	0	0.004	ND	ND	ND	ND	ND	North of Main Office
1137	0.00	--	0	0.005	--	--	--	--	--	Courtyard
1140	0.00	--	0	0.002	--	--	--	--	--	Auditorium
1145	0.00	--	0	0.005	--	--	--	--	--	Playground
1150	0.00	--	0	0.004	--	--	--	--	--	Kindergarten
1152	0.00	--	0	0.005	--	--	--	--	--	Lunch Area
1205	0.00	--	0	0.003	--	--	--	--	--	Teacher's Lounge
1208	0.00	--	0	0.001	--	--	--	--	--	Cafeteria
1212	0.00	--	0	0.003	--	--	--	--	--	Auditorium
1231	0.00	--	0	0.003	--	--	--	--	--	Staff Lot
1238	0.00	0.00	0	0.004	ND	ND	ND	ND	ND	Cafeteria Lounge

Weather Conditions: Clear, Breezy Wind Speed: 5 mph Wind Direction: N Temperature: 64 ° F

Comments: The UltraRAE is used for measuring Volatile Organic Compound (VOC) and Benzene. The MultiRae is used for measuring VOCs and %LEL (used as an indicator of the potential presence of methane). The Jerome J631X is used for measuring Hydrogen Sulfide. Drager tubes are used for measuring Benzene, Toluene, Xylene, Ethylbenzene, and Mercaptans. %LEL is used as an indicator of methane but is not chemical specific. VOC readings are an indicator of all volatile constituents and are not chemical specific. Real time readings are used to guide sample collection. Samples collected daily are submitted to a laboratory for analyses.

H2S = Hydrogen Sulfide; **O2** = Oxygen; **%** = percent; **CO** = Carbon Monoxide; **LEL** = Lower Explosive Limit; **IB** = Isobutylene **ND** = Not Detected; **ppmv** = parts per million by volume; **N/A** = Not Applicable; **--** = No Reading (no measurement taken at this time)

DIRECT READING
AIR MONITORING LOG

CLIENT: Los Angeles Unified School District DATE: 2/19/16 page 2 of 2
LOCATION: Van Gogh Charter School BY: Travis Dagdigian

INSTRUMENT: **Ultra RAE 3000 Photo Ionization Detector**

BENZENE FUNCTION TEST: ☒ Pass (No Calibration Required) ☐ Fail (Conduct Calibration)

BENZENE SENSOR CALIBRATION VALUE: _____ ppmv CALIBRATION READING: _____ ppmv

INSTRUMENT: **Multi RAE**

FUNCTION TEST: ☒ Pass (No Calibration Required) ☐ Fail (Conduct Calibration)

CALIBRATION VALUE: H2S____ ppmv CO____ ppmv LEL____ % O2____ % IB____ ppmv

CALIBRATION READING: H2S____ ppmv CO____ ppmv LEL____ % O2____ % IB____ ppmv

INSTRUMENT: **Jerome J631X Hydrogen Sulfide Analyzer**

FUNCTION TEST: ☒ Pass (No Calibration Required) ☐ Fail (Return to Manufacturer for Calibration)

CALIBRATION VALUE: N/A Factory Calibrated CALIBRATION READING: Manufacturer Calibration Only

TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes					Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Mercaptans (ppmv)	
1307	0.00	--	0	0.004	--	--	--	--	--	Quad
1312	0.00	--	0	0.003	--	--	--	--	--	Lunch Area
1321	0.00	--	0	0.002	--	--	--	--	--	Cafeteria
1325	0.00	--	0	0.005	--	--	--	--	--	Kindergarten
1333	0.00	--	0	0.002	--	--	--	--	--	Main Office
1340	0.00	--	0	0.000	--	--	--	--	--	Library

Weather Conditions: Clear, Breezy Wind Speed: 6 mph Wind Direction: N Temperature: 63 ° F

Comments: The UltraRAE is used for measuring Volatile Organic Compound (VOC) and Benzene. The MultiRae is used for measuring VOCs and %LEL (used as an indicator of the potential presence of methane). The Jerome J631X is used for measuring Hydrogen Sulfide. Drager tubes are used for measuring Benzene, Toluene, Xylene, Ethylbenzene, and Mercaptans. %LEL is used as an indicator of methane but is not chemical specific. VOC readings are an indicator of all volatile constituents and are not chemical specific. Real time readings are used to guide sample collection. Samples collected daily are submitted to a laboratory for analyses.

H2S = Hydrogen Sulfide; **O2** = Oxygen; **%** = percent; **CO** = Carbon Monoxide; **LEL** = Lower Explosive Limit; **IB** = Isobutylene **ND** = Not Detected; **ppmv** = parts per million by volume; **N/A** = Not Applicable; **--** = No Reading (no measurement taken at this time)