



DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District DATE: 2/19/16 PAGE 1 of 2
 LOCATION: Robert Frost Middle 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)	
0727	0.00	0.00	0	0.002	--	--	--	--	--	Staff Lot
0728	0.00	--	0	0.001	--	--	--	--	--	Music Room
0731	0.00	--	0	0.002	--	--	--	--	--	Main Building
0734	0.00	--	0	0.000	--	--	--	--	--	Courtyard
0740	0.00	0.00	0	0.000	ND	ND	ND	ND	ND	Staff Lot
0805	0.00	--	0	0.003	--	--	--	--	--	Principal Office
0811	0.00	--	0	0.003	--	--	--	--	--	Faculty Workroom
0827	0.00	--	0	0.002	--	--	--	--	--	Quad
0833	0.00	--	0	0.002	--	--	--	--	--	Library
0904	0.00	--	0	0.000	--	--	--	--	--	Hallway B – 2 nd Floor
0920	0.00	--	0	0.004	--	--	--	--	--	Hallway C – 2 nd Floor

Weather Conditions: Clear, Breezy Wind Speed: 1 mph Wind Direction: E Temperature: 61 ° 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)**



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CLIENT: Los Angeles Unified School District DATE: 2/19/16 page 2 of 2
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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)	
0927	0.00	--	0	0.003	--	--	--	--	--	Quad
0930	0.00	0.00	0	0.004	ND	ND	ND	ND	ND	Staff Lot
1009	0.00	--	0	0.002	--	--	--	--	--	Main Office
1012	0.00	--	0	0.002	--	--	--	--	--	Library
1016	0.00	--	0	0.003	--	--	--	--	--	Building D 2 nd Floor
1019	0.00	--	0	0.002	--	--	--	--	--	Quad
1023	0.00	--	0	0.002	--	--	--	--	--	Staff Lot

Weather Conditions: Clear, Breezy Wind Speed: 2 mph Wind Direction: E 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)