

# DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District      DATE: 2/22/16      PAGE 1 of 2  
 LOCATION: Castlebay Lane Elementary School      BY: Robert Pitzer

**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

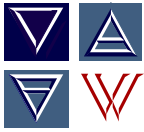
**INSTRUMENT: Multi RAE**  
 FUNCTION TEST:  Pass (No Calibration Required)       Fail (Conduct Calibration)  
 CALIBRATION VALUE: H2S \_\_\_\_\_ ppmv    CO \_\_\_\_\_ ppmv    LEL \_\_\_\_\_ %    O2 \_\_\_\_\_ %    IB \_\_\_\_\_ ppmv  
 CALIBRATION READING: H2S \_\_\_\_\_ ppmv    CO \_\_\_\_\_ ppmv    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)	
1040	0.00	--	0	0.002	--	--	--	--	--	Main Office
1057	0.00	0.00	0	0.002	ND	ND	ND	ND	ND	Room K4
1120	0.00	--	0	0.002	--	--	--	--	--	Room K2
1125	0.00	--	0	0.001	--	--	--	--	--	By Room 17 (Hall)
1127	0.00	--	0	0.002	--	--	--	--	--	Room 14
1130	0.00	--	0	0.001	--	--	--	--	--	Room 22
1134	0.00	--	0	0.002	--	--	--	--	--	Room 18
1208	0.00	--	0	0.002	--	--	--	--	--	Lunch Pavilion
1210	0.00	--	0	0.000	--	--	--	--	--	Multipurpose Room
1212	0.00	--	0	0.000	--	--	--	--	--	YMCA
1215	0.00	--	0	0.002	--	--	--	--	--	SE Corner of Playground

Weather Conditions: \_\_\_\_\_ Wind Speed: \_\_\_\_\_ mph      Wind Direction: \_\_\_\_\_ Temperature: \_\_\_\_\_ °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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 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**  
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 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)	
1220	0.00	--	0	0.002	--	--	--	--	--	SW Corner of Playground
1325	0.00	--	0	0.003	--	--	--	--	--	Parking Lot
1330	0.00	--	0	0.001	--	--	--	--	--	"PAC"
1332	0.00	--	0	0.002	--	--	--	--	--	
1335	0.00	--	0	0.002	--	--	--	--	--	Lunch Pavilion
1337	0.00	--	0	0.002	--	--	--	--	--	Computer Lab
										Room 34

Weather Conditions: Warm, Windy      Wind Speed: \_\_\_\_\_      Wind Direction: \_\_\_\_\_      Temperature: F

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