

# DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District      DATE: 2/11/16      PAGE 1 of 3  
 LOCATION: Ernest Lawrence Middle 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

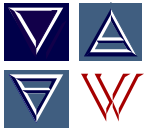
**INSTRUMENT: Multi RAE**  
 FUNCTION TEST:  Pass (No Calibration Required)       Fail (Conduct Calibration)  
 CALIBRATION VALUE:    H2S \_\_\_\_\_ ppmv    CO \_\_\_\_\_ ppmv    LEL \_\_\_\_\_ %    O2 \_\_\_\_\_ %    IB \_\_\_\_\_ ppmv  
 CALIBRATION READING: H2S \_\_\_\_\_ ppmv    CO \_\_\_\_\_ ppmv    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)	
0630	0.00	--	0	0.005	--	--	--	--	--	Covered Lunch Area
0632	0.00	--	0	0.005	--	--	--	--	--	Cafeteria
0635	0.00	--	0	0.005	--	--	--	--	--	Teachers Lounge
0637	0.00	--	0	0.006	--	--	--	--	--	Exterior At Stage
0754	0.00	--	0	0.003	--	--	--	--	--	Main Office
0756	0.00	0.00	0	0.001	ND	ND	ND	ND	ND	Counseling Office
0845	0.00	--	0	0.008	--	--	--	--	--	N. Side of Room 25
0849	0.00	--	0	0.008	--	--	--	--	--	Plant Manager Building
0855	0.00	--	0	0.005	--	--	--	--	--	East Side of Basketball Courts
0857	0.00	--	0	0.008	--	--	--	--	--	By Student Store
0859	0.00	--	0	0.005	--	--	--	--	--	MultiPurpose Room

Weather Conditions: Clear, cool      Wind Speed: 0-2 mph      Wind Direction: NNE      Temperature: 52 ° 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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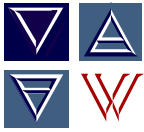
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					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Mercaptans (ppmv)	
0953	0.00	0.00	0	0.004	ND	ND	ND	ND	ND	Library
1021	0.00	--	0	0.004	--	--	--	--	--	Inside Room 56
1026	0.00	--	0	0.005	--	--	--	--	--	Inside Room 69
1028	0.00	--	0	0.004	--	--	--	--	--	Inside Room 70
1030	0.00	--	0	0.005	--	--	--	--	--	Inside Parents Center
1106	0.00	0.00	0	0.004	--	--	--	--	--	Attendance Offices
1112	0.00	--	0	0.005	--	--	--	--	--	Multipurpose Room
1118	0.00	--	0	0.006	ND	ND	ND	ND	ND	Teachers Lounge
1223	0.00	--	0	0.003	--	--	--	--	--	Deans Office
1226	0.00	--	0	0.004	--	--	--	--	--	By Room #9
1230	0.00	--	0	0.004	--	--	--	--	--	By Room #10

Weather Conditions: Clear, warm      Wind Speed: 0-2 mph      Wind Direction: NE-SE      Temperature: 75 ° 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 (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Mercaptans (ppmv)	
1235	0.00	0.00	0	0.003	ND	ND	ND	ND	ND	Inside Room #37
1341	0.00	--	0	0.005	--	--	--	--	--	By Student Store
1345	0.00	--	0	0.005	--	--	--	--	--	West Side Basketball Courts
1347	0.00	--	0	0.005	--	--	--	--	--	East Side Basketball Courts

Weather Conditions: Clear, hot      Wind Speed: 2-8 mph      Wind Direction: SE      Temperature: 84 ° F

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