

# DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District      DATE: 2/05/16      PAGE 1 of 3  
 LOCATION: Topeka Drive Elementary 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

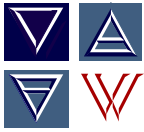
**INSTRUMENT: Multi RAE**  
 FUNCTION TEST:  Pass (No Calibration Required)       Fail (Conduct Calibration)  
 CALIBRATION VALUE: H2S \_\_\_\_\_ ppmv    CO \_\_\_\_\_ ppmv    LEL \_\_\_\_\_ %    O2 \_\_\_\_\_ %    IB \_\_\_\_\_ ppmv  
 CALIBRATION READING: H2S \_\_\_\_\_ ppmv    CO \_\_\_\_\_ ppmv    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)	
0730	0.00	--	0	0.007	--	--	--	--	--	Staff Lot
0749	0.00	--	0	0.007	--	--	--	--	--	Main office
0755	0.00	--	0	0.006	--	--	--	--	--	Playground
0805	0.00	--	0	0.007	--	--	--	--	--	Library
0809	0.00	--	0	0.007	--	--	--	--	--	Computer Lab
0821	0.00	--	0	0.007	--	--	--	--	--	Main Nurse's Office
0840	0.00	--	0	0.007	--	--	--	--	--	Lunch Pavilion
0855	0.00	--	0	0.006	--	--	--	--	--	Multipurpose Room
0900	0.00	0.0	0	0.007	ND	ND	ND	ND	ND	Staff Lot
0930	0.00	--	0	0.007	--	--	--	--	--	Auditorium
0939	0.00	--	0	0.006	--	--	--	--	--	Playground

Weather Conditions: Clear, Windy      Wind Speed: 10 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)**



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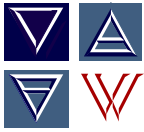
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 CALIBRATION VALUE: N/A Factory Calibrated      CALIBRATION READING: Manufacturer Calibration Only

TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes					Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Mercaptans (ppmv)	
0950	0.00	--	0	0.006	--	--	--	--	--	Library West
1000	0.00	--	0	0.006	--	--	--	--	--	Lunch Pavilion
1020	0.00	--	0	0.006	--	--	--	--	--	Playground
1031	0.00	0.0	0	0.006	ND	ND	ND	ND	ND	Pavilion
1059	0.00	--	0	0.006	--	--	--	--	--	Staff Lot
1115	0.00	--	0	0.006	--	--	--	--	--	Perimeter, North Kindergarten
1138	0.00	--	0	0.006	ND	ND	ND	ND	ND	Nurse's Office
1205	0.00	--	0	0.006	--	--	--	--	--	Quad Area
1215	0.00	--	0	0.006	--	--	--	--	--	Staff Dining Room
1227	0.00	--	0	0.006	--	--	--	--	--	Playground
1230	0.00	--	0	0.006	ND	ND	ND	ND	ND	Staff Dining

Weather Conditions: Windy      Wind Speed: 9 mph      Wind Direction: N      Temperature: 63 °F

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**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)	
1258	0.00	--	0	0.004	--	--	--	--	--	Pavilion
1310	0.00	--	0	0.006	--	--	--	--	--	Cafeteria

Weather Conditions: Clear, windy      Wind Speed: 7 mph      Wind Direction: N      Temperature: 70.7 ° F

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