

# DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District      DATE: 01/19/16      PAGE 1 of 4  
 LOCATION: Beckford Avenue Elementary School      BY: Rob 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

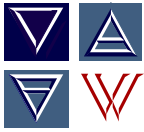
**INSTRUMENT: Jerome J631X Hydrogen Sulfide Analyzer**  
 FUNCTION TEST:  Pass (No Calibration Required)       Fail (Return to Manufacturer for Calibration)  
 CALIBRATION VALUE: N/A Factory Calibrated      CALIBRATION READING: Manufacturer Calibration Only

TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes				Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	
0705	0.00	--	0	0.000	--	--	--	--	Main Office Area
0713	0.00	--	0	0.000	--	--	--	--	Quad Area by Flag
0738	0.00	--	0	0.000	--	--	--	--	Kindergarten Playground
0741	0.00	--	0	0.000	--	--	--	--	Lower Lab
0816	0.00	--	0	0.001	--	--	--	--	Upper Lab
0819	0.00	--	0	0.002	--	--	--	--	Auditorium
0852	--	--	--	--	ND	ND	ND	ND	Main Office Area
0915	0.00	--	0	0.002	--	--	--	--	Auditorium
0918	0.00	--	0	0.003	--	--	--	--	Lunch Pavilion
1923	0.00	--	0	0.002	--	--	--	--	SW Corner of Playground
0926	0.00	--	0	0.001	--	--	--	--	SE Corner of Playground

Weather Conditions: Partly Cloudy      Wind Speed: 0 mph      Wind Direction: East      Temperature: 56 ° 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 and Ethylbenzene. %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: 01/19/16      PAGE 2 of 4  
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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

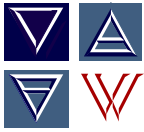
TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes				Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	
0930	0.00	--	0	0.001	--	--	--	--	Inside Bungalow 25
0934	0.00	--	0	0.003	ND	ND	ND	ND	Kindergarten Playground
0951	0.00	--	0	0.003	--	--	--	--	Lower Lab
0953	0.00	--	0	0.002	--	--	--	--	Quad Area by Flag
1109	0.00	--	0	0.002	ND	ND	ND	ND	Lunch Pavilion
1130	0.00	--	0	0.001	--	--	--	--	SW Corner of Playground
1134	0.00	--	0	0.001	--	--	--	--	SE Corner of Playground
1136	0.00	--	0	0.000	--	--	--	--	Inside Bungalow 19
1140	0.00	--	0	0.001	--	--	--	--	Kindergarten Playground
1142	0.00	--	0	0.001	--	--	--	--	Lower Lab
1205	0.00	0.00	0	0.001	--	--	--	--	Auditorium

Weather Conditions: Cloudy      Wind Speed: 1 mph      Wind Direction: South      Temperature: 58 ° 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 and Ethylbenzene. %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)

**ES** = Elementary School



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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

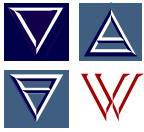
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 CALIBRATION VALUE: N/A Factory Calibrated      CALIBRATION READING: Manufacturer Calibration Only

TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes				Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	
1212	0.00	0.00	0	0.001	--	--	--	--	Upper Lab
1216	0.00	0.00	0	0.001	--	--	--	--	Lower Lab
1218	0.00	0.00	0	0.001	--	--	--	--	Inside Room 17
1221	0.00	0.00	0	0.001	--	--	--	--	SE Corner of Playground
1225	0.00	--	0	0.001	--	--	--	--	SW Corner of Playground
1229	0.00	--	0	0.001	ND	ND	ND	ND	Auditorium
1312	0.00	--	0	0.001	--	--	--	--	Inside Room #11
1314	0.00	--	0	0.002	--	--	--	--	Outside Between Upper and Lower
1317	0.00	--	0	0.000	--	--	--	--	Inside Bungalow #29
1324	0.00	--	0	0.001	--	--	--	--	Inside Bungalow #23
1328	0.00	--	0	0.002	--	--	--	--	SE Corner of Playground

Weather Conditions: Cloudy      Wind Speed: 5-7 mph      Wind Direction: S-SE      Temperature: 60 ° 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 and Ethylbenzene. %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.

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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

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TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes				Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	
1330	0.00	--	0	0.001	--	--	--	--	SW Corner of Playground
1335	0.00	--	0	0.002	--	--	--	--	Library
1408	0.00	--	0	0.001	--	--	--	--	Upper Lab
1410	0.00	--	0	0.001	--	--	--	--	Lower Lab
1413	0.00	--	0	0.001	--	--	--	--	Library
1415	0.00	--	0	0.002	--	--	--	--	Auditorium
1418	0.00	--	0	0.001	--	--	--	--	Lunch Pavilion
1421	0.00	--	0	0.002	--	--	--	--	Main Office Area

Weather Conditions: Cloudy, Light Drizzle      Wind Speed: 0 mph      Wind Direction: S      Temperature: 59 °F

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