

# DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District      DATE: 1/26/16      PAGE 1 of 3  
 LOCATION: Van Gogh Charter 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

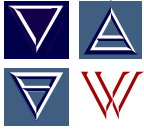
**INSTRUMENT: Jerome J631X Hydrogen Sulfide Analyzer**  
 FUNCTION TEST:  Pass (No Calibration Required)       Fail (Return to Manufacturer for Calibration)  
 CALIBRATION VALUE: N/A Factory Calibrated      CALIBRATION READING: Manufacturer Calibration Only

TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes					Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Mercaptans (ppmv)	
0725	0.00	--	0	0.002	--	--	--	--	--	N. Main Office
0737	0.00	--	0	0.002	--	--	--	--	--	Playground SE
0750	0.00	--	0	0.002	--	--	--	--	--	Playground NW
0800	0.00	--	0	0.002	ND	ND	ND	ND	ND	Kinder Playground
0810	0.00	--	0	0.001	--	--	--	--	--	School Perimeter - Titan
0815	0.00	--	0	0.002	--	--	--	--	--	School Perimeter - Van Gogh
0835	0.00	--	0	0.002	--	--	--	--	--	Quad
0840	0.00	--	0	0.001	--	--	--	--	--	N. Main Office
0851	0.00	0.00	0	0.001	--	--	--	--	--	School Perimeter Van Gogh
0945	0.00	--	0	0.003	--	--	--	--	--	N. Titan Avenue

Weather Conditions: Clear/Windy      Wind Speed: 8 mph      Wind Direction: N      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, 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)**

0900 – Traveled to Robert Frost Middle School to confirm readings at that school. Returned to Van Gogh Charter at 0930.



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 BENZENE SENSOR CALIBRATION VALUE: \_\_\_\_\_ ppmv      CALIBRATION READING: \_\_\_\_\_ ppmv

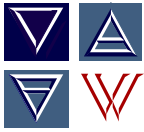
**INSTRUMENT: Multi RAE**  
 FUNCTION TEST:  Pass (No Calibration Required)       Fail (Conduct Calibration)  
 CALIBRATION VALUE:    H2S \_\_\_\_\_ ppmv    CO \_\_\_\_\_ ppmv    LEL \_\_\_\_\_ %    O2 \_\_\_\_\_ %    IB \_\_\_\_\_ ppmv  
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 CALIBRATION 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)	
0957	0.00	0.00	0	0.002	ND	ND	ND	ND	ND	Quad
1010	0.00	--	0	0.003	--	--	--	--	--	N. Playground
1015	0.00	--	0	0.002	--	--	--	--	--	SE Playground
1027	0.00	--	0	0.002	--	--	--	--	--	Kinder Playground
1055	0.00	--	0	0.001	--	--	--	--	--	N. Office Van Gogh Street
1110	0.00	--	0	0.001	--	--	--	--	--	Auditorium
1121	0.00	--	0	0.004	--	--	--	--	--	N. Main Titan Ave
1140	0.00	--	0	0.003	--	--	--	--	--	School Perimeter – Van Gogh
1154	0.00	--	0	0.003	--	--	--	--	--	Quad
1230	0.00	--	0	0.004	--	--	--	--	--	N. Main Office

Weather Conditions: Clear/Windy      Wind Speed: 11 mph      Wind Direction: N      Temperature: 62 ° F

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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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TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes					Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Mercaptans (ppmv)	
1245	0.00	--	0	0.003	ND	ND	ND	ND	ND	Quad
1330	0.00	--	0	0.003	--	--	--	--	--	Kinder Playground
1345	0.00	--	0	0.003	--	--	--	--	--	Auditorium
1355	0.00	--	0	0.003	--	--	--	--	--	Staff Lounge
1357	0.00	--	0	0.004	ND	ND	ND	ND	ND	Perimeter Van Gogh Street

Weather Conditions: Windy, Clear      Wind Speed: 5mph      Wind Direction: NNW      Temperature: 71 ° F

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