



# DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District      DATE: 1/25/16      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)	
0728	0.00	--	0	0.001	--	--	--	--	--	North Main Office
0800	0.00	--	0	0.001	--	--	--	--	--	School Perimeter – Titan Ave
0835	0.00	--	0	0.000	--	--	--	--	--	Playground NW
0849	0.00	--	0	0.001	--	--	--	--	--	School Perimeter – VG
0910	0.00	0.00	0	0.002	ND	ND	ND	ND	ND	Playground SE
0942	0.00	--	0	0.001	--	--	--	--	--	North Main Office
1000	0.00	--	0	0.000	--	--	--	--	--	Quad
1015	0.00	--	0	0.000	--	--	--	--	--	Auditorium
1036	0.00	0.00	0	0.001	ND	ND	ND	ND	ND	Kinder Playground
1055	0.00	--	0	0.002	--	--	--	--	--	N. Main Office
1105	0.00	--	0	0.001	--	--	--	--	--	Quad

Weather Conditions: Clear      Wind Speed: 7 mph      Wind Direction: North      Temperature: 51 ° 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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 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

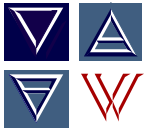
**INSTRUMENT: Multi RAE**  
 FUNCTION TEST:  Pass (No Calibration Required)       Fail (Conduct Calibration)  
 CALIBRATION VALUE:    H2S \_\_\_\_\_ ppmv    CO \_\_\_\_\_ ppmv    LEL \_\_\_\_\_ %    O2 \_\_\_\_\_ %    IB \_\_\_\_\_ ppmv  
 CALIBRATION READING: H2S \_\_\_\_\_ ppmv    CO \_\_\_\_\_ ppmv    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)	
1115	0.00	--	0	0.002	--	--	--	--	--	School Perimeter
1131	0.00	--	0	0.001	--	--	--	--	--	Quad
1149	0.00	--	0	0.001	--	--	--	--	--	N Main Office
1159	0.00	--	0	0.002	--	--	--	--	--	Playground NW
1205	0.00	--	0	0.002	--	--	--	--	--	Playground SE
1213	0.00	--	0	0.002	--	--	--	--	--	School Perimeter VG
1230	0.00	--	0	0.002	--	--	--	--	--	Quad
1240	0.00	--	0	0.002	--	--	--	--	--	N. Main Office
1310	0.00	--	0	0.000	--	--	--	--	--	Kinder Playground
1321	0.00	--	0	0.001	ND	ND	ND	ND	ND	Quad
1340	0.00	--	0	0.001	--	--	--	--	--	Playground

Weather Conditions: Clear      Wind Speed: 1 mph      Wind Direction: NE      Temperature: 67 ° 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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CLIENT: Los Angeles Unified School District      DATE: 1/25/16      PAGE 3 of 3  
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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)	Mercaptans (ppmv)	
1350	0.00	--	0	0.002	ND	ND	ND	ND	ND	Quad
1408	0.00	--	0	0.002	--	--	--	--	--	Perimeter N. Main

Weather Conditions: Clear      Wind Speed: 2 mph      Wind Direction: North      Temperature: 67 ° 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)