



# DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District      DATE: 01/22/16      PAGE 1 of 3  
 LOCATION: Superior Street Elementary School      BY: Heather Fields

**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)	
0720	0.00	--	0	0.004	--	--	--	--	Library
0722	0.00	--	0	0.004	--	--	--	--	N of Kindergarten Playground
0730	0.00	--	0	0.004	--	--	--	--	SE Corner of Playground
0745	0.00	--	0	0.004	--	--	--	--	Admin Office
0810	0.00	--	0	0.002	--	--	--	--	Room #23 – Preschool
0830	0.00	--	0	0.002	--	--	--	--	South of room #27
0832	0.00	--	0	0.002	--	--	--	--	E of computer room
0835	0.00	--	0	0.002	--	--	--	--	Auditorium
0841	0.00	0.00	0	0.002	ND	ND	ND	ND	Speech room
0908	0.00	--	0	0.002	--	--	--	--	Pavilion
0910	0.00	--	0	0.002	--	--	--	--	Lunch Area

Weather Conditions: Partly Cloudy      Wind Speed: 0 mph      Wind Direction: ESE      Temperature: 49 ° 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)**



# DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District      DATE: 01/22/16      PAGE 2 of 3  
 LOCATION: Superior Street Elementary School      BY: Heather Fields

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

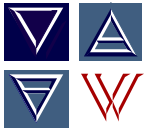
INSTRUMENT: **Jerome J631X Hydrogen Sulfide Analyzer**  
 FUNCTION TEST:  Pass (No Calibration Required)       Fail (Return to Manufacturer for Calibration)  
 CALIBRATION VALUE: N/A Factory Calibrated      CALIBRATION READING: Manufacturer Calibration Only

TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes				Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	
1005	0.00	--	0	0.000	--	--	--	--	South of YMCA
1008	0.00	--	0	0.000	--	--	--	--	Center of Playground
1011	0.00	--	0	0.000	ND	ND	ND	ND	North Courtyard
1038	0.00	--	0	0.000	--	--	--	--	Storage bins
1041	0.00	--	0	0.000	--	--	--	--	West of room #22
1142	0.00	--	0	0.000	--	--	--	--	South of main office
1147	0.00	--	0	0.000	--	--	--	--	Room #13
1150	0.00	--	0	0.000	ND	ND	ND	ND	Room 31
1202	0.00	--	0	0.000	--	--	--	--	Ball room
1206	0.00	--	0	0.000	--	--	--	--	North of room #21
1225	0.00	--	0	0.000	--	--	--	--	Computer room

Weather Conditions: Partly Cloudy      Wind Speed: 0 mph      Wind Direction: ~SE      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 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)



# DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District      DATE: 01/22/16      PAGE 3 of 3  
 LOCATION: Superior Street Elementary School      BY: Heather Fields

**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)	
1228	0.00	--	0	0.000	--	--	--	--	Girls Restroom, Bldg A
1241	0.00	--	0	0.000	--	--	--	--	SE Corner of Yard
1305	0.00	--	0	0.000	--	--	--	--	Outside room #11
1308	0.00	--	0	0.000	--	--	--	--	PM office
1310	0.00	--	0	0.000	--	--	--	--	Outside room #28
1312	0.00	0.00	0	0.000	ND	ND	ND	ND	South end of Playground
1335	0.00	--	0	0.000	--	--	--	--	Soccer field
1340	0.00	--	0	0.000	--	--	--	--	Employee Lounge
1358	0.00	--	0	0.000	--	--	--	--	Northeast Gate
1401	0.00	--	0	0.000	--	--	--	--	Bicycle Yard
1407	0.00	--	0	0.000	--	--	--	--	Copy Room

Weather Conditions: Partly Cloudy      Wind Speed: 0 mph      Wind Direction: SE      Temperature: 71 ° 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)