

# DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District      DATE: 01/19/16      PAGE 1 of 3  
 LOCATION: Darby Avenue 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

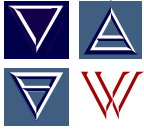
**INSTRUMENT: Jerome J631X Hydrogen Sulfide Analyzer**  
 FUNCTION TEST:  Pass (No Calibration Required)       Fail (Return to Manufacturer for Calibration)  
 CALIBRATION VALUE: N/A Factory Calibrated      CALIBRATION READING: Manufacturer Calibration Only

TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes				Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	
0718	0.00	--	0	0.000	--	--	--	--	Lunch Area
722	0.00	--	0	0.000	--	--	--	--	Outside Room #6
0726	0.00	--	0	0.000	--	--	--	--	Roof Access Room – Library Building
0810	0.00	0.00	0	0.000	ND	ND	ND	ND	Auditorium
0840	0.00	--	0	0.000	--	--	--	--	Principal's Office
0845	0.00	--	0	0.000	--	--	--	--	East End of Playground
0916	0.00	--	0	0.000	--	--	--	--	East side of building A
0920	0.00	--	0	0.000	--	--	--	--	Library
0924	0.00	--	0	0.000	--	--	--	--	Reading Garden – North Fence
1015	0.00	--	0	0.000	--	--	--	--	Nurse's Office
1020	0.00	--	0	0.000	--	--	--	--	Room #24

Weather Conditions: Overcast      Wind Speed: 0-1 mph      Wind Direction: SSW      Temperature: 62 ° 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: 01/19/16      PAGE 2 of 3  
 LOCATION: Darby Avenue 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

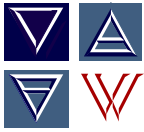
TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes				Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	
1024	0.00	--	0	0.000	--	--	--	--	Rooms #29/30
1027	0.00	--	0	0.000	ND	ND	ND	ND	Field E of Room 30, South Fence
1106	0.00	--	0	0.001	--	--	--	--	Girls room, Hopper Bldg.
1109	0.00	--	0	0.001	--	--	--	--	Wall Ball Courts
1110	0.00	--	0	0.001	--	--	--	--	Playground, NE Corner
1119	0.00	0.00	0	0.001	ND	ND	ND	ND	Playground, NW Corner
1235	0.00	--	0	0.001	--	--	--	--	Supply room
1240	0.00	--	0	0.001	--	--	--	--	West of Bldg. A
1247	0.00	--	0	0.001	--	--	--	--	Room 8
1250	0.00	--	0	0.001	ND	ND	ND	ND	Room 14
1317	0.00	--	0	0.001	--	--	--	--	Outside Communication Bldg.

Weather Conditions: Overcast      Wind Speed: 0 mph      Wind Direction: SW      Temperature: 62 ° 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



# DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District      DATE: 01/19/16      PAGE 3 of 3  
 LOCATION: Darby Avenue 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)	
1320	0.00	--	0	0.001	--	--	--	--	SE Corner of yard
1324	0.00	--	0	0.001	--	--	--	--	Outside room #22
1328	0.00	--	0	0.001	--	--	--	--	Teacher's Lounge
1346	0.00	--	0	0.003	--	--	--	--	School entrance
1354	0.00	--	0	0.003	--	--	--	--	Outside room #10
1400	0.00	--	0	0.003	--	--	--	--	Outside room #15
1401	0.00	--	0	0.003	--	--	--	--	Room #16

Weather Conditions: Overcast/Light rain      Wind Speed: 0-1 mph      Wind Direction: ~S      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.

**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)