

DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District DATE: 01/21/16 PAGE 1 of 3
 LOCATION: Germain Street Elementary School BY: Robert 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

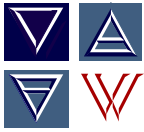
INSTRUMENT: Jerome J631X Hydrogen Sulfide Analyzer
 FUNCTION TEST: Pass (No Calibration Required) Fail (Return to Manufacturer for Calibration)
 CALIBRATION VALUE: N/A Factory Calibrated CALIBRATION READING: Manufacturer Calibration Only

TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes				Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	
0657	0.00	--	0	0.002	--	--	--	--	Teacher's Lounge
0700	0.00	--	0	0.003	--	--	--	--	Main Entrance
0702	0.00	--	0	0.002	--	--	--	--	Main Office
0707	0.00	--	0	0.003	--	--	--	--	Playground Equipment
0712	0.00	--	0	0.003	--	--	--	--	SE Corner of Playground
0715	0.00	--	0	0.003	--	--	--	--	SE Corner of Playground
0838	0.00	0.00	0	0.003	--	--	--	--	Outside North side of school
0902	0.00	--	0	0.003	--	--	--	--	Nurse's Office
0904	0.00	--	0	0.004	--	--	--	--	Auditorium
0906	0.00	--	0	0.004	ND	ND	ND	ND	Lunch Area
0937	0.00	--	0	0.004	--	--	--	--	Kindergarten Playground

Weather Conditions: Partly Cloudy Wind Speed: 0-5 mph Wind Direction: SSW Temperature: 55 ° 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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 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

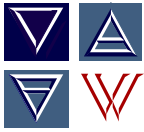
INSTRUMENT: **Jerome J631X Hydrogen Sulfide Analyzer**
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TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Drager Tubes				Location
					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	
0945	0.00	--	0	0.000	--	--	--	--	Inside Bungalow #35
0948	0.00	--	0	0.003	--	--	--	--	SE Corner of Playground
0951	0.00	--	0	0.003	--	--	--	--	SW Corner of Playground
0958	0.00	--	0	0.003	--	--	--	--	Inside Room #21
1048	0.00	--	0	0.004	--	--	--	--	Auditorium
1055	0.00	--	0	0.003	--	--	--	--	Library
1057	0.00	--	0	0.003	--	--	--	--	Inside Room #4
1100	0.00	--	0	0.003	--	--	--	--	Inside Room #8
1102	0.00	--	0	0.002	--	--	--	--	Outside Room #16
1105	0.00	--	0	0.003	--	--	--	--	Hallway near Room #14
1220	0.00	--	0	0.003	ND	ND	ND	ND	Kindergarten Playground

Weather Conditions: Sunny Wind Speed: 0-5 mph Wind Direction: SW Temperature: 76 ° 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 (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	
1249	0.00	--	0	0.003	--	--	--	--	Inside Bungalow #31
1251	0.00	--	0	0.001	--	--	--	--	Inside Bungalo #32
1255	0.00	--	0	0.001	--	--	--	--	Inside YMCA
1257	0.00	--	0	0.003	--	--	--	--	SE Corner of Playground
1300	0.00	--	0	0.003	--	--	--	--	Playground Equipment
1302	0.00	--	0	0.003	--	--	--	--	Lunch Area
1318	0.00	0.00	0	0.003	ND	ND	ND	ND	South Hall @ Room #16
1412	0.00	--	0	0.003	--	--	--	--	SW Corner of Playground
1415	0.00	--	0	0.003	ND	ND	ND	ND	Inside Room #21

Weather Conditions: _____ Wind Speed: _____ Wind Direction: _____ Temperature: _____

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