



DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District DATE: 1/29/16 PAGE 1 of 3
 LOCATION: Granada 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)	Mercaptans (ppmv)	
0707	0.00	--	0	0.003	--	--	--	--	--	Staff Dining
0710	0.00	--	0	0.003	--	--	--	--	--	Auditorium
0713	0.00	--	0	0.003	--	--	--	--	--	Lunch Pavilion
0716	0.00	--	0	0.003	--	--	--	--	--	Inside Room #14
0802	0.00	--	0	0.005	--	--	--	--	--	Outside Auditorium
0805	0.00	--	0	0.003	--	--	--	--	--	Inside Room #7
0810	0.00	--	0	0.003	--	--	--	--	--	Inside Room #23
0812	0.00	--	0	0.005	--	--	--	--	--	Inside Room #24
0815	0.00	0.00	0	0.004	--	--	--	--	--	SW Corner of Playground
0934	0.00	--	0	0.005	--	--	--	--	--	Main Office
0939	0.00	0.00	0	0.002	ND	ND	ND	ND	ND	Library

Weather Conditions: Clear, cool Wind Speed: 8-15 mph Wind Direction: NW to NE Temperature: 65 ° 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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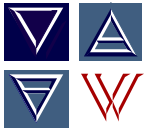
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					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Mercaptans (ppmv)	
1026	0.00	--	0	0.003	--	--	--	--	--	Inside Room #26
1029	0.00	--	0	0.003	--	--	--	--	--	Inside Room #30
1045	0.00	--	0	0.004	--	--	--	--	--	Inside Room #33
1048	0.00	0.00	0	0.005	ND	ND	ND	ND	ND	Lunch Pavilion
1112	0.00	--	0	0.004	--	--	--	--	--	Lunch Pavilion
1117	0.00	--	0	0.003	--	--	--	--	--	Kinder Playground
1119	0.00	--	0	0.004	--	--	--	--	--	Inside Room #11
1121	0.00	--	0	0.003	--	--	--	--	--	Inside Room #3
1215	0.00	0.00	0	0.005	--	--	--	--	--	Staff Dining
1220	0.00	--	0	0.001	ND	ND	ND	ND	ND	Inside Room #23
1244	0.00	--	0	0.003	--	--	--	--	--	Inside room #16

Weather Conditions: Clear, Windy Wind Speed: 1-15 mph Wind Direction: S Temperature: 76 ° F

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					Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Mercaptans (ppmv)	
1308	0.00	--	0	0.003	--	--	--	--	--	Inside YMCA
1312	0.00	0.00	0	0.009	--	--	--	--	--	South Playground
1314	0.00	--	0	0.009	ND	ND	ND	ND	ND	Hand Ball Court
1341	0.00	--	0	0.004	--	--	--	--	--	Auditorium
1344	0.00	--	0	0.005	--	--	--	--	--	Staff Dining
1350	0.00	--	0	0.002	--	--	--	--	--	Library

Weather Conditions: Clear Wind Speed: 1-8 mph Wind Direction: South Temperature: 86 ° 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)

H2S concentrations outdoor increased in the afternoon; however, the wind is blowing from the south (towards the well, not from it)