DIRECT READING
AIR MONITORING LOG

CLIENT: Los Angeles Unified School District DATE: 2/12/16 PAGE 1 of 3

LOCATION: Beckford Avenue 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)	
0658	0.00	--	0	0.003	--	--	--	--	--	Main Office
0702	0.00	--	0	0.001	--	--	--	--	--	Upper Lab
0704	0.00	--	0	0.007	--	--	--	--	--	Lunch Pavilion
0707	0.00	--	0	0.006	--	--	--	--	--	SW Corner of Playground
0709	0.00	--	0	0.006	--	--	--	--	--	SE Corner of Playground
0712	0.00	--	0	0.003	--	--	--	--	--	YMCA
0736	0.00	--	0	0.006	ND	ND	ND	ND	ND	NW Parking Lot
0817	0.00	0.00	0	0.006	--	--	--	--	--	Auditorium
0819	0.00	--	0	0.008	--	--	--	--	--	Lower Lab
0823	0.00	--	0	0.007	--	--	--	--	--	Kindergarten Playground
0832	0.00	--	0	0.001	--	--	--	--	--	Inside Room #16

Weather Conditions: Cool, Clear Wind Speed: 0-5 mph Wind Direction: NNW Temperature: 47 ° 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)

DIRECT READING
AIR MONITORING LOG

CLIENT: Los Angeles Unified School District DATE: 2/12/16 page 2 of 3
LOCATION: Beckford Avenue 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)	
0835	0.00	--	0	0.005	--	--	--	--	--	Inside Room #23
0842	0.00	0.00	0	0.005	--	--	--	--	--	Faculty Lounge
0935	0.00	--	0	0.004	--	--	--	--	--	Library
0939	0.00	--	0	0.003	--	--	--	--	--	Inside Room #6
0942	0.00	0.00	0	0.005	--	--	--	--	--	By Room #7
1056	0.00	0.00	0	0.002	--	--	--	--	--	Inside Room #19
1058	0.00	--	0	0.005	--	--	--	--	--	Inside Room #25
1103	0.00	--	0	0.007	ND	ND	ND	ND	ND	SE Corner of Playground
1223	0.00	--	0	0.002	--	--	--	--	--	Quad by Flag Pole
1225	0.00	--	0	0.002	--	--	--	--	--	Upper Lab
1227	0.00	--	0	0.002	--	--	--	--	--	Lunch Pavilion

Weather Conditions: Cool, Clear Wind Speed: 0-2 mph Wind Direction: SW Temperature: 68 ° 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.

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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)	
1230	0.00	--	0	0.001	--	--	--	--	--	Inside Room #26
1234	0.00	--	0	0.002	--	--	--	--	--	Inside Room #27
1236	0.00	--	0	0.003	--	--	--	--	--	Kindergarten Playground
1312	0.00	0.00	0	0.002	ND	ND	ND	ND	ND	Lower Lab
1335	0.00	--	0	0.002	--	--	--	--	--	YMCA
1340	0.00	--	0	0.003	--	--	--	--	--	Teacher's Lounge
1354	0.00	--	0	0.002	ND	ND	ND	ND	ND	Main Office

Weather Conditions: Hot, Clear Wind Speed: 0-8 mph Wind Direction: SW Temperature: 84 ° 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.

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