DIRECT READING
AIR MONITORING LOG

CLIENT: Los Angeles Unified School District DATE: 2/16/16 PAGE 1 of 4

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)	
0642	0.00	--	0	0.002	--	--	--	--	--	Main office
0644	0.00	--	0	0.002	--	--	--	--	--	Quad by Flag
0646	0.00	--	0	0.002	--	--	--	--	--	By Room 9
0648	0.00	--	0	0.002	--	--	--	--	--	Kindergarten Playground
0651	0.00	--	0	0.000	--	--	--	--	--	YMCA
0654	0.00	--	0	0.003	--	--	--	--	--	SE Corner of Playground
0656	0.00	--	0	0.004	--	--	--	--	--	SW Corner of Playground
0658	0.00	--	0	0.004	--	--	--	--	--	Lunch Pavilion
0740	0.00	0.00	0	0.002	ND	ND	ND	ND	ND	Lower Lab
0805	0.00	--	0	0.005	--	--	--	--	--	SE Corner of Playground
0807	0.00	--	0	0.004	--	--	--	--	--	SW Corner of Playground

Weather Conditions: Clear, Cool Wind Speed: 0-2 mph Wind Direction: SW Temperature: 61 ° 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: 2/16/16 page 2 of 4
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)	
0809	0.00	--	0	0.004	--	--	--	--	--	Lunch Pavilion
0811	0.00	0.00	0	0.005	--	--	--	--	--	Teacher's Lounge
0926	0.00	--	0	0.005	--	--	--	--	--	Main Office
0928	0.00	--	0	0.005	--	--	--	--	--	Auditorium
0930	0.00	--	0	0.004	--	--	--	--	--	Upper Lab
0932	0.00	--	0	0.004	ND	ND	ND	ND	ND	Kindergarten Playground
1014	0.00	0.00	0	0.005	--	--	--	--	--	Lunch Pavilion
1016	0.00	--	0	0.004	--	--	--	--	--	Inside Room 3
1020	0.00	--	0	0.003	--	--	--	--	--	Inside Room 28
1024	0.00	--	0	0.003	--	--	--	--	--	Inside Room 21
1030	0.00	--	0	0.002	--	--	--	--	--	Inside Room 18

Weather Conditions: Clear, Warm Wind Speed: 0-2 mph Wind Direction: SW Temperature: 67 ° 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: 2/16/16 PAGE 3 of 4
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)	
1109	0.00	0.00	0	0.002	--	--	--	--	--	Library
1113	0.00	--	0	0.002	--	--	--	--	--	By Room #13
1115	0.00	--	0	0.001	--	--	--	--	--	Inside Room #15
1117	0.00	--	0	0.001	--	--	--	--	--	Inside Room #9
1120	0.00	0.00	0	0.001	--	--	--	--	--	Inside Room #12
1122	0.00	--	0	0.002	--	--	--	--	--	Handball Courts
1211	0.00	--	0	0.002	ND	ND	ND	ND	ND	Quad by Flag
1232	0.00	--	0	0.000	--	--	--	--	--	Lower Lab
1234	0.00	--	0	0.002	--	--	--	--	--	By Room #14
1236	0.00	--	0	0.002	--	--	--	--	--	SE Corner of Playground
1238	0.00	--	0	0.002	--	--	--	--	--	SW Corner of Playground

Weather Conditions: Clear, Hot Wind Speed: 2-10 mph Wind Direction: WSW Temperature: 85 ° 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: 2/16/16 PAGE 4 of 4

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)	
1241	0.00	--	0	0.001	--	--	--	--	--	Upper Lab
1243	0.00	--	0	0.001	--	--	--	--	--	Auditorium
1245	0.00	--	0	0.001	--	--	--	--	--	Main Office
1250	0.00	--	0	0.002	ND	ND	ND	ND	ND	Teacher's Lounge
1324	0.00	--	0	0.002	--	--	--	--	--	Library
1326	0.00	--	0	0.001	--	--	--	--	--	Auditorium
1328	0.00	--	0	0.002	--	--	--	--	--	Lunch Pavilion
1331	0.00	--	0	0.001	--	--	--	--	--	Inside Room #27
1333	0.00	--	0	0.000	--	--	--	--	--	Inside Room #20
1337	0.00	--	0	0.001	--	--	--	--	--	Kindergarten Playground
1340	0.00	--	0	0.000	--	--	--	--	--	Lower Lab

Weather Conditions: Clear, hot Wind Speed: 0-10 mph Wind Direction: NW to NE Temperature: 89 ° 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)