DIRECT READING
AIR MONITORING LOG

CLIENT: Los Angeles Unified School District DATE: 12/16/15 PAGE 1 of 3

LOCATION: Porter Ranch Community 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)	
0701	0.0	--	0	0.000	--	--	--	--	M.S. 2nd Fl @ East Stairs
0705	0.0	--	0	0.001	--	--	--	--	Founders Park Area
0708	0.0	--	0	0.000	--	--	--	--	Gym
0711	0.0	--	0	0.001	--	--	--	--	N.E. Corner of B.B. Courts
0713	0.0	--	0	0.000	--	--	--	--	Lunch Area (Outside)
0740	--	--	--	--	ND	ND	ND	ND	Main Office
0805	0.0	0.0	0	0.000	--	--	--	--	E.S. Bldg. 2nd Fl @ Elevator
0817	0.0	--	0	0.000	--	--	--	--	Corner of Mason @ Sesnon
0821	0.0	--	0	0.000	--	--	--	--	N.E. Corner on Sesnon
0824	0.0	--	0	0.000	--	--	--	--	Middle of Soccer Field
0833	0.0	--	0	0.000	--	--	--	--	Main Office

Weather Conditions: Clearn, Windy Wind Speed: 7 mph Wind Direction: NNE Temperature: 45 ° 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: 12/16/15 PAGE 2 of 3

LOCATION: Porter Ranch Community 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)	
1108	0.0	--	0	0.002	--	--	--	--	Library
1111	0.0	0.0	0	0.003	--	--	--	--	Lunch Area (Outside)
1118	0.0	--	0	0.003	--	--	--	--	Founders Park Area
1126	0.0	--	0	0.001	--	--	--	--	Gym
1134	0.0	--	0	0.002	--	--	--	--	N.E. Corner of BB Courts
1136	0.0	0.0	0	0.002	--	--	--	--	Asst. Principal (Room 1-110)
1146	0.0	--	0	0.003	--	--	--	--	Main Office
1248	0.0	--	0	0.002	ND	ND	ND	ND	E.S. 1st Floor @ Elevator
1310	0.0	--	0	0.002	ND	ND	ND	ND	Lunch Area (Outside)
1330	0.0	--	0	0.002	ND	ND	ND	ND	Middle School Office
1409	0.0	--	0	0.001	--	--	--	--	Library

Weather Conditions: Clear, Breezy Wind Speed: 5 mph Wind Direction: NNW Temperature: 51 ° 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: 12/16/15 PAGE 3 of 3

LOCATION: Porter Ranch Community 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)	
1413	0.0	--	0	0.002	--	--	--	--	E.S. Bldg. 2nd Fl East End
1416	0.0	--	0	0.002	--	--	--	--	Kinder Yard

Weather Conditions: Clearn, Breezy Wind Speed: 0-5 mph Wind Direction: SSW Temperature: 59 ° 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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