DIRECT READING
AIR MONITORING LOG

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

LOCATION: Darby Avenue Charter School BY: Travis Dagdigian

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)	
0723	0.00	--	0	0.004	--	--	--	--	--	Staff Lounge
0726	0.00	--	0	0.005	--	--	--	--	--	Cafeteria
0730	0.00	--	0	0.005	--	--	--	--	--	Auditorium
0745	0.00	--	0	0.006	--	--	--	--	--	Playground
0800	0.00	--	0	0.005	--	--	--	--	--	Library
0805	0.00	--	0	0.006	--	--	--	--	--	Main Office
0820	0.00	--	0	0.005	--	--	--	--	--	Teacher's Lounge
0829	0.00	--	0	0.007	--	--	--	--	--	Staff Lot
0905	0.00	--	0	0.002	--	--	--	--	--	Teacher Supply
0915	0.00	0.0	0	0.005	ND	ND	ND	ND	ND	Auditorium
0923	0.00	--	0	0.006	--	--	--	--	--	Garden

Weather Conditions: Clear Wind Speed: 0 mph Wind Direction: SW Temperature: ° 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: Darby Avenue Charter School BY: Travis Dagdigian

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)	
0935	0.00	0.00	0	0.006	ND	ND	ND	ND	ND	Staff Lot
1005	0.00	--	0	0.006	--	--	--	--	--	Teacher's Lounge
1009	0.00	--	0	0.005	--	--	--	--	--	Cafeteria
1225	0.00	--	0	0.004	ND	ND	ND	ND	ND	Teacher's Lounge
1248	0.00	--	0	0.006	--	--	--	--	--	Library
1255	0.00	--	0	0.003	--	--	--	--	--	Garden
1305	0.00	--	0	0.005	ND	ND	ND	ND	ND	Playground
1328	0.00	--	0	0.006	--	--	--	--	--	Staff Lot
1333	0.00	--	0	0.004	--	--	--	--	--	Teacher's Lounge
1336	0.00	--	0	0.006	--	--	--	--	--	Auditorium
1340	0.00	--	0	0.004	--	--	--	--	--	Playground

Weather Conditions: Clear, breezy Wind Speed: 5 mph Wind Direction: SW Temperature: 69 ° 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 3 of 3
LOCATION: Darby Avenue Charter School BY: Travis Dagdigian

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)	
1345	0.00	--	0	0.006	--	--	--	--	--	Library
1350	0.00	--	0	0.005	--	--	--	--	--	Playground
1353	0.00	--	0	0.004	--	--	--	--	--	Lunch Area
1356	0.00	--	0	0.006	--	--	--	--	--	Staff Lot

Weather Conditions: Clear Wind Speed: 3 mph Wind Direction: SE Temperature: 80 ° 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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