DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District   DATE: 12/18/15   PAGE <u>1</u>   of <u>3</u>

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)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Location
					Drager Tubes				
0713	0.0	--	0	0.001	--	--	--	--	MS Building 2nd Floor East Stairs
0715	0.0	--	0	0.000	--	--	--	--	Founders Park Area
0718	0.0	--	0	0.000	--	--	--	--	NE Corner of BB courts
0720	0.0	--	0	0.000	--	--	--	--	Bungalo Room 34
0751	0.0	0.00	0	0.000	ND	ND	ND	ND	Shuffleboard area
0832	0.0	--	0	0.001	--	--	--	--	Main office
0835	0.0	--	0	0.001	--	--	--	--	Kinder Yard
0937	0.0	--	0	0.001	--	--	--	--	Main office
0944	0.0	0.00	0	0.001	--	--	--	--	Middle School Office
0949	0.0	0.00	0	0.001	ND	ND	ND	ND	MS Building 2nd Floor east stairs
1001	0.0	0.00	0	0.002	--	--	--	--	Founders Park Area

Weather Conditions: <u>Clear, Breezy</u>   Wind Speed: <u>5-10 mph</u>   Wind Direction: <u>NNE</u>   Temperature: <u>54</u> ° 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) _____

MS = Middle School; **NE** = northeast; **BB** = Basketball _____

DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District   DATE: 12/18/15
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)
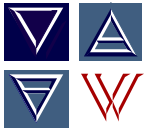CALIBRATION VALUE: N/A Factory Calibrated   CALIBRATION READING: Manufacturer Calibration Only

TIME	VOCs (ppmv)	Benzene (ppmv)	% LEL	Hydrogen Sulfide (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Location
					Drager Tubes				
1103	0.0	0.00	0	0.000	--	--	--	--	Middle School Office
1106	0.0	0.00	0	0.001	--	--	--	--	Lunch area (outside)
1108	0.0	0.00	0	0.001	--	--	--	--	Library
1110	0.0	0.00	0	0.000	--	--	--	--	Multi-Purpose Room
1113	0.0	0.00	0	0.002	ND	ND	ND	ND	Faculty Lounge
1239	0.0	0.00	0	0.001	--	--	--	--	ES Building 1st Floor north stairs
1241	0.0	0.00	0	0.001	--	--	--	--	ES Building 1st Floor at elevators
1243	0.0	0.00	0	0.000	--	--	--	--	ES Building 2nd Floor at elevators
1246	0.0	0.00	0	0.000	--	--	--	--	Middle School Office
1248	0.0	--	0	0.001	--	--	--	--	Founders Park Area
1251	0.0	--	0	0.000	--	--	--	--	Gym

Weather Conditions: __Clear, Breezy__   Wind Speed: __11 mph__   Wind Direction: __NNE__   Temperature: __60__ ° 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)

ES = Elementary School

DIRECT READING AIR MONITORING LOG

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 Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Location
1258	0.0	--	0	0.002	--	--	--	--	Main Office

Weather Conditions: _____   Wind Speed: _____   Wind Direction: _____   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 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)