DIRECT READING
AIR MONITORING LOG

CLIENT: Los Angeles Unified School District DATE: 2/08/16 PAGE 1 of 3

LOCATION: Stoney Point HS/Chatsworth HS BY: Mindy Jenkins

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)	
0645	0.00	--	0	--	--	--	--	--	--	Room S85
0647	0.00	--	0	--	--	--	--	--	--	Room N206
0650	0.00	--	0	--	--	--	--	--	--	D Building
0700	0.00	--	0	0.005	--	--	--	--	--	Plant Manager's Office
0720	0.00	--	0	0.007	--	--	--	--	--	Basketball Courts
0723	0.00	--	0	0.007	--	--	--	--	--	J Building Hall
0725	0.00	--	0	0.007	--	--	--	--	--	Main Quad
0730	0.00	--	0	0.008	--	--	--	--	--	Main office
0735	0.00	--	0	0.007	--	--	--	--	--	Building C Hall
0830	0.00	0.00	0	--	ND	ND	ND	ND	ND	Baseball Field
1000	0.00	--	0	0.007	--	--	--	--	--	Plant Manager

Weather Conditions: Windy and Mild Wind Speed: 18 mph Wind Direction: N to NNE Temperature: 70 ° 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)

0700 – Conducting Regernation for Jerome J631X Hydrogen Sulfide Meter until this time

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CLIENT: Los Angeles Unified School District DATE: 2/08/16 page 2 of 3
LOCATION: Stoney Point HS/Chatsworth HS BY: Mindy Jenkins

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)	
1005	0.00	--	0	0.004	--	--	--	--	--	Main office
1010	0.00	--	0	0.006	--	--	--	--	--	Stoney Point HS Quad
1025	0.00	0.00	0	0.005	ND	ND	ND	ND	ND	Between Bldg D and F
1045	0.00	--	0	0.006	--	--	--	--	--	Quad
1115	0.00	--	0	0.006	--	--	--	--	--	Agriculture Center
1118	0.00	--	0	0.006	--	--	--	--	--	Stoney Point HS Quad
1120	0.00	--	0	0.004	--	--	--	--	--	N 208 Room
1210	0.00	0.00	0	--	ND	ND	ND	ND	ND	Quad Stage
1310	0.00	--	0	0.004	--	--	--	--	--	Track
1312	0.00	--	0	0.004	--	--	--	--	--	Agriculture Center
1315	0.00	--	0	0.004	--	--	--	--	--	Stoney Point HS Room 6

Weather Conditions: Windy, warm, clear Wind Speed: 10 mph Wind Direction: NNE Temperature: 75 ° 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)

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AIR MONITORING LOG

CLIENT: Los Angeles Unified School District DATE: 2/8/16 PAGE 3 of 3
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INSTRUMENT: **Ultra RAE 3000 Photo Ionization Detector**

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BENZENE SENSOR CALIBRATION VALUE: _____ ppmv CALIBRATION READING: _____ ppmv

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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**

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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)	
1320	0.00	--	0	0.004	--	--	--	--	--	Hall @ Room 96
1323	0.00	--	0	0.004	--	--	--	--	--	Main Office
1326	0.00	--	0	0.004	--	--	--	--	--	Student Parking Lot
1341	0.00	0.00	--	--	ND	ND	ND	ND	ND	Agriculture Center
1405	0.00	--	0	0.003	--	--	--	--	--	Main office
1407	0.00	--	0	0.004	--	--	--	--	--	Quad
1409	0.00	--	0	0.004	--	--	--	--	--	Baseball Field
1412	0.00	--	0	0.004	--	--	--	--	--	Student Lot

Weather Conditions: Hot, windy, dry Wind Speed: 15-20 mph Wind Direction: NNW 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.

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