# DIRECT READING
# AIR MONITORING LOG

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

LOCATION: Porter Ranch Community School BY: Robert Pitzer

INSTRUMENT: **Ultra RAE 3000 Photo Ionization Detector** – see notes below

BENZENE FUNCTION TEST: ☐ Pass (No Calibration Required) ☐ Fail (Conduct Calibration)

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

INSTRUMENT: **Multi RAE** – see notes below

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** – see notes below

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) | |
| 0700 | Due to potential terrorist threat, all LAUSD campuses evacuated. School evacuated prior to equipment calibration or any air monitoring activities | | | | | | | | |
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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)

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