



# DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District  
LOCATION: Porter Ranch Community School

DATE: 12/14/15 PAGE 1 of 3  
BY: Robert Pitzer

INSTRUMENT: **Ultra RAE 3000 Photo Ionization Detector** (New Equipment – Factory Calibrated , no field calibration required)

PID CALIBRATION VALUE (Isobutylene):     N/A     CALIBRATION READING:     N/A    

BENZENE SENSOR CALIBRATION VALUE:     N/A     CALIBRATION READING:     N/A    

INSTRUMENT: **Multi RAE** (New Equipment – Factory Calibrated , no field calibration required)

CALIBRATION VALUE:   H2S     N/A     CO     N/A     LEL     N/A     O2     N/A  

CALIBRATION READING:   H2S     N/A     CO     N/A     LEL     N/A     O2     N/A  

INSTRUMENT: **Jerome J631X Hydrogen Sulfide Analyzer**

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) |  |
| 0645 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Main Office                                |
| 0650 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Middle School 2 <sup>nd</sup> Floor East   |
| 0653 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | NE Corner of BB Courts                     |
| 0659 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Founders Park Area                         |
| 0803 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | E.S. 2 <sup>nd</sup> Floor @ Elevator      |
| 0810 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Multipurpose Room                          |
| 0855 | 0.0         | --             | 0     | 0.000                   | ND             | ND             | ND                  | ND            | Library                                    |
| 0920 | 0.0         | --             | 0     | 0.000                   | ND             | ND             | ND                  | ND            | Gym  |
| 1010 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Main Office                                |
| 1015 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Kinder Yard                                |
| 1020 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | ES 1 <sup>st</sup> Floor; east end of hall |

Weather Conditions: Clear, windy Wind Speed: 10-30 mph Wind Direction: NNW Temperature: 42°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; **ND** = Not Detected; **ppmv** = parts per million by volume; **N/A** = Not Applicable; **--** = No Reading (no measurement taken at this time); **ES** = Elementary School; **NE** = northeast; **°F** = degrees Fahrenheit; **MPH** = miles per hour



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BENZENE SENSOR CALIBRATION VALUE:     N/A     CALIBRATION READING:     N/A    

INSTRUMENT: **Multi RAE** (New Equipment – Factory Calibrated , no field calibration required)

CALIBRATION VALUE:   H2S     N/A     CO     N/A     LEL     N/A     O2     N/A  

CALIBRATION READING:   H2S     N/A     CO     N/A     LEL     N/A     O2     N/A  

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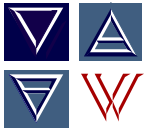
CALIBRATION VALUE:   N/A     Factory Calibrated   CALIBRATION READING:   Manufacturer Calibration Only  

| TIME | VOCs (ppmv) | Benzene (ppmv) | % LEL | Hydrogen Sulfide (ppmv) | Drager Tubes   |                |                     |               | Location  |
|------|-------------|----------------|-------|-------------------------|----------------|----------------|---------------------|---------------|---|
|      |             |                |       |                         | Benzene (ppmv) | Toluene (ppmv) | Ethylbenzene (ppmv) | Xylene (ppmv) |   |
| 1103 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | E.S. 2nd Floor at Elevator                      |
| 1109 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | E.S. 1 <sup>st</sup> Floor at east end hall     |
| 1113 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Kinder yard                                     |
| 1120 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | E.S. 2 <sup>nd</sup> Floor at northern stairs   |
| 1125 | 0.0         | --             | 0     | 0.001                   | --             | --             | --                  | --            | Library   |
| 1316 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Middle School office                            |
| 1324 | --          | --             | --    | 0.000                   | ND             | ND             | ND                  | ND            | Middle School 2 <sup>nd</sup> Floor east stairs |
| 1345 | 0.0         | --             | 0     | 0.000                   | ND             | ND             | ND                  | ND            | NE corner of BB courts                          |
| 1407 | 0.0         | --             | 0     | 0.001                   | --             | --             | --                  | --            | Lunch area (outside)                            |
| 1410 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Middle School office                            |
| 1415 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Founders Park area                              |

Weather Conditions:   Clear, windy   Wind Speed:   10-30 mph   Wind Direction:   NNW   Temperature:   49 ° F  

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BENZENE SENSOR CALIBRATION VALUE:     N/A     CALIBRATION READING:     N/A    

INSTRUMENT: **Multi RAE** (New Equipment – Factory Calibrated , no field calibration required)

CALIBRATION VALUE: H2S N/A CO N/A LEL N/A O2 N/A

CALIBRATION READING: H2S N/A CO N/A LEL N/A O2 N/A

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|------|-------------|----------------|-------|-------------------------|----------------|----------------|---------------------|---------------|------------------------|
|      |             |                |       |                         | Benzene (ppmv) | Toluene (ppmv) | Ethylbenzene (ppmv) | Xylene (ppmv) |                        |
| 1418 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Gym                    |
| 1420 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | ME Corner of BB Courts |
| 1424 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Main Office            |
| 1426 | 0.0         | --             | 0     | 0.000                   | --             | --             | --                  | --            | Kinder Yard            |
|      |             |                |       |                         |                |                |                     |               |                        |
|      |             |                |       |                         |                |                |                     |               |                        |
|      |             |                |       |                         |                |                |                     |               |                        |
|      |             |                |       |                         |                |                |                     |               |                        |
|      |             |                |       |                         |                |                |                     |               |                        |
|      |             |                |       |                         |                |                |                     |               |                        |
|      |             |                |       |                         |                |                |                     |               |                        |
|      |             |                |       |                         |                |                |                     |               |                        |

Weather Conditions: \_\_\_\_\_ Wind Speed: \_\_\_\_\_ Wind Direction: \_\_\_\_\_ Temperature:      ° F

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