

 $K = Kindergarten_{-}$ 

## DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District DATE: 1/28/16 PAGE 1 of 3														
LOCATION: Knollwood Elementary School BY: Mindy Jenkins														
INS	INSTRUMENT: <u>Ultra RAE 3000 Photo Ionization Detector</u>													
BENZ	BENZENE FUNCTION TEST: Pass (No Calibration Required) Fail (Conduct Calibration)													
BENZ	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													
INS	INSTRUMENT: Jerome J631X Hydrogen Sulfide Analyzer													
FUNC'	FUNCTION TEST: Pass (No Calibration Required) Fail (Return to Manufacturer for Calibration)													
CAL	CALIBRATION VALUE: N/A Factory Calibrated CALIBRATION READING: Manufacturer Calibration Only													
TD (E	THATE VOCs Benzene % Hydrogen Drager Tubes													
TIME	(ppmv)	(ppmv)	LEL	Sulfide (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Mercaptans (ppmv)	Location				
0730	0.00	1	0	0.001						Lunch Area				
0732	0.00		0	0.000						Near YMCA				
0734	0.00	-	0	0.000			-			Outside Main Office				
0800	800 0.00 0 0.003 SE Playground									SE Playground				
0830	0.00	1	0 0.002 Upstairs											
0833	0.00		0	0.003					Stairwell					
0835	0.00		0	0.005						K. Playground				
0838	0.00	-	0	0.003						Outside Rm 9				
0840	0.00		0	0.004						Library				
0846	0.00		0	0.005						Cafeteria/Kitchen				
0848	0.00		0	0.003						Main Office				
Weather Conditions: Cool, breezy Wind Speed: 6-10 mph Wind Direction: WNW Temperature: 50 ° F														
indicator of the Xylene, Ethylb	Comments: The <u>UltraRAE</u> is used for measuring Volatile Organic Compound (VOC) and Benzene. The <u>MultiRae</u> 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, Cylene, 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.													
<b>H2S</b> = Hydrog	en Sulfide;	<b>O2</b> = Oxyger	n; % = pero	cent; CO = Ca	rbon Monox	ide; LEL =	Lower Explosive L	imit; <b>IB</b> = Iso	butylene <b>ND</b> = N	ot Detected; <b>ppmv</b> = parts				
er 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: 1/28/16 page 2 of 3  LOCATION: Knollwood Elementary School BY: Mindy Jenkins											
INSTRUMENT: Ultra RAE 3000 Photo Ionization Detector											
BENZENE FUNCTION TEST: Pass (No Calibration Required) Fail (Conduct Calibration)											
BENZ	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										
INS	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											
	VOCs	Benzene	%	Hydrogen							
TIME	(ppmv)	(ppmv)	LEL	Sulfide (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	Mercaptans (ppmv)	Location	
0906	0.00	0.00	0	0.003	ND	ND	ND	ND	ND	Outside Room 9	
1000	0.00		0	0.005						YMCA Outside	
1004	0.00	-	0	0.004						Middle Playground	
1008	0.00	-	0	0.005						Front of Library	
1010	0.00		0	0.005						Lunch Area	
1012	0.00		0	0.007						Kitchen inside	
1014	0.00		0	0.004						Room #3 Inside	
1025		0.00			ND	ND	ND	ND	ND	YMCA Outside	
1050	0.00		0	0.003						Computer Lab	
1053	0.00	1	0	0.003						Main Office	
1100	0.00	-	0	0.005						Lunch Area	
Weather Conditions: Cool, breezy, clear Wind Speed: 5-10 mph Wind Direction: WNW Temperature: 57 ° F											
	omments: The <u>UltraRAE</u> is used for measuring Volatile Organic Compound (VOC) and Benzene. The <u>MultiRae</u> is used for measuring VOCs and %LEL (used as an dicator of the potential presence of methane). The Jerome J631X is used for measuring Hydrogen Sulfide. Drager tubes are used for measuring Benzene, Toluene,										
•		•					not chemical spec		-		
	onstituents and are not chemical specific. Real time readings are used to guide sample collection. Samples collected daily are submitted to a laboratory for analyses.  2S = 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)

RM = Room



## DIRECT READING AIR MONITORING LOG

INSTRUMENT:	CLIENT: Los Angeles Unified School District DATE: 1/28/16 PAGE 3 of 3											
BENZENE FUNCTION TEST:   Pass (No Calibration Required)   Fail (Conduct Calibration)	LOCATION: Knollwood Elementary School BY: Mindy Jenkins  INSTRUMENT. Litra PAE 2000 Photo Logication Detector											
BENZENE SENSOR CALIBRATION VALUE:   ppmv												
INSTRUMENT:   Multi RAE   Pass (No Calibration Required)		<u> </u>										
CALIBRATION VALUE: H2S		· · · · · · · · · · · · · · · · · · ·										
CALIBRATION READING:   H2S												
INSTRUMENT:	CALIBRATION VALUE: H2S ppmv CO ppmv LEL % O2 % IB ppmv											
Function Test:   Pass (No Calibration Required)   Fail (Return to Manufacturer for Calibration)	C	CALIBRATION READING: H2S ppmv CO ppmv LEL % O2 % IB ppmv										
CALIBRATION VALUE: N/A Factory Calibrated   CALIBRATION READING: Manufacturer Calibration Only	INS	INSTRUMENT: Jerome J631X Hydrogen Sulfide Analyzer										
TIME	FUNC'	FUNCTION TEST: Pass (No Calibration Required) Fail (Return to Manufacturer for Calibration)										
TIME   VOCs   Benzene   Cppmv   LEL   VOCs   Sulfide   Cppmv   Vocs   Cppmv   Cppmv	CAL	CALIBRATION VALUE: N/A Factory Calibrated CALIBRATION READING: Manufacturer Calibration Only										
Comments: The UltraRAE is used for measuring Volatile Organic Compound (VOC) and Benzene (ppmv)   Ethylbenzene (ppmv)   Mercaptans (ppmv)   Location	TD (F	VOCs   Benzene   %   Hydrogen										
1210	TIME	(ppmv)	(ppmv)	LEL			1				Location	
1215	1152		0.00			ND	ND	ND	ND	ND	Kindergarten Playground	
1218	1210	0.00	0.00	0	0.006						Kindergarten Playground	
1222   0.00     0   0.004             Hall in front of Room #18     1224   0.00     0   0.003               Room #25     1230   0.00     0   0.003	1215	0.00	1	0	0.006				-1		Lunch Area	
1224 0.00 0 0.003 Room #25  1230 0.00 0 0.003 Inside Library  132 0.00 0 0.005 Main Office  1245 0.00 0 0.006 ND ND ND ND ND ND ND ND Lunch Area  1312 0.00 0 0.006 Room 12  1318 0.00 0 0.005 Cafeteria Front Room  Weather Conditions: Sunny, clear, breezy Wind Speed: 8 mph Wind Direction: WNW Temperature: 65° 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, sylene, Ethylbenzene, and Mercaptans. %LEL is used as an indicator of methane but is not chemical specific. VOC readings are an indicator of all volatile onstituents and are not chemical specific. Real time readings are used to guide sample collection. Samples collected daily are submitted to a laboratory for analyses.	1218	1218 0.00 0 0.007 Main Playground-Center										
1230 0.00 0 0.003 Main Office  1245 0.00 ND ND ND ND ND ND ND ND Lunch Area  1312 0.00 0 0.006 ND ND ND ND ND ND ND ND ND Lunch Area  1318 0.00 0 0.006 Cafeteria Front Room  Weather Conditions: Sunny, clear, breezy Wind Speed: 8 mph Wind Direction: WNW Temperature: 65° 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 adicator of the potential presence of methane). The Jerome J631X is used for measuring Hydrogen Sulfide. Drager tubes are used for measuring Benzene, Toluene, sylene, 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.	1222	0.00	0 0.004 Hall in front of Room #18									
132 0.00 0 0.005 ND ND ND ND ND ND Lunch Area  1312 0.00 0 0.006 Room 12  1318 0.00 0 0.005 Cafeteria Front Room  Weather Conditions: Sunny, clear, breezy Wind Speed: 8 mph Wind Direction: WNW Temperature: 65° 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 addicator of the potential presence of methane). The Jerome J631X is used for measuring Hydrogen Sulfide. Drager tubes are used for measuring Benzene, Toluene, sylene, 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.	1224	0.00 0 0.003 Room #25										
1245 0.00 ND ND ND ND ND ND Lunch Area  1312 0.00 0 0.006 Room 12  1318 0.00 0 0.005 Cafeteria Front Room  Weather Conditions: Sunny, clear, breezy Wind Speed: 8 mph Wind Direction: WNW Temperature: 65° 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, sylene, 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.	1230	0.00	-	0	0.003						Inside Library	
1312 0.00 0 0.006 Room 12  1318 0.00 0 0.005 Cafeteria Front Room  Weather Conditions: Sunny, clear, breezy Wind Speed: 8 mph Wind Direction: WNW Temperature: 65° 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 addicator of the potential presence of methane). The Jerome J631X is used for measuring Hydrogen Sulfide. Drager tubes are used for measuring Benzene, Toluene, sylene, 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.	132	0.00	1	0	0.005			1	1		Main Office	
Weather Conditions: Sunny, clear, breezy Wind Speed: 8 mph Wind Direction: WNW Temperature: 65° 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 adicator of the potential presence of methane). The Jerome J631X is used for measuring Hydrogen Sulfide. Drager tubes are used for measuring Benzene, Toluene, sylene, 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.	1245		0.00			ND	ND	ND	ND	ND	Lunch Area	
Weather Conditions: Sunny, clear, breezy Wind Speed: 8 mph Wind Direction: WNW Temperature: 65° 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 addicator of the potential presence of methane). The Jerome J631X is used for measuring Hydrogen Sulfide. Drager tubes are used for measuring Benzene, Toluene, sylene, 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.	1312	0.00		0	0.006						Room 12	
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, (ylene, 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.	1318	0.00		0	0.005						Cafeteria Front Room	
dicator of the potential presence of methane). The Jerome J631X is used for measuring Hydrogen Sulfide. Drager tubes are used for measuring Benzene, Toluene, tylene, 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.	Weather Conditions: Sunny, clear, breezy Wind Speed: 8 mph Wind Direction: WNW Temperature: 65° F											
2S = Hydrogen Sulfide; O2 = Oxygen; % = percent; CO = Carbon Monoxide; LEL = Lower Explosive Limit; IB = Isobutylene ND = Not Detected; ppmv = parts	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, Kylene, 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.											
er million by volume; N/A = Not Applicable; = No Reading (no measurement taken at this time)		Not Detected; <b>ppmv</b> = parts										