

Red Butte Creek Oil Release Air Monitoring Journal

Date	Location (Time)	Analyte	Method	Result	Comment
6/14/10	Liberty Park (LP) (1615-1715)	Volatile Organic Compounds (VOCs)	Photo Ionization Detector (PID)	0.0 ppm	Industrial hygienists tested the air along the construction fence line on the north end of the Liberty Park pond. A moderately strong petroleum odor was present.
		Hydrogen Sulfide (H ₂ S)	QRAEII	0.0 ppm	
		Carbon Monoxide (CO)	QRAEII	0.0 ppm	
		Lower Explosive Limit (LEL)	QRAEII	0.0%	
		Benzene	Draeger Tube	None Detected	NW corner of the lake
		Benzene	Draeger Tube	None Detected	NE corner of the lake
6/15/10	Miller Park, along Red Butte Creek (1145-1230)	VOCs	PID	0.3 ppm	~20 yards from outlet from Miller Park, 10 ft above creek
				9.9 ppm	~50 yards from outlet, on edge of creek
				1.5 ppm	~75 yards from outlet, 2 ft above creek
				2.5 ppm	~75 yards from outlet, on edge of creek
				0.2-0.8 ppm	at waterfall on bridge, 12 ft above creek
				1.5 ppm	at waterfall below bridge, on edge of creek
				1.0 ppm	at waterfall below bridge, 5 ft above creek
	Benzene	Draeger Tube	None Detected	West side of the waterfall	
	Confluence of Jordan River and Red Butte Creek (1340-1355)	VOCs	PID	0.6-0.8 ppm	At inlet to Jordan River, 3 ft from water
	923 Diestel Ave. (1500-1515)	VOCs	PID	0.0 ppm	Owner not home- not much of a smell was detected while we were there, strong winds
	966 Military Avenue (1515-1530)	VOCs	PID	0.1-0.6 ppm	There were strong winds when we arrived and we were detecting 0.0-0.1ppm VOCs. When the wind stopped briefly, the smell became more noticeable and the VOC readings spiked to 0.6ppm.
	Garden Park Ward 1140 Harvard (1530-1550)	VOCs	PID	1.6 ppm	At water level
				0.3 ppm	~6' from water

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6/15/10	1100 East & Harvard where creek goes under 1100 E (1550-1600)	VOC	PID	0.5-1.3ppm	about 5 feet from water

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Weather	K7PB Salt Lake City, UT				Elev: 4615 ft; Latitude: 40.73067; Longitude: -111.82667				
Time : (MDT)	Temp. (f)	Dew Point (f)	Relative Humidity (%)	Wind Direction	Wind Speed (mph)	Altimeter Setting (inches)	Station Pressure (inches)	Precip 24 hour (inches)	Quality Control
6/15/2010 15:58	83	43	24	S	4G19	29.56	24.95	0	OK
6/15/2010 15:48	83	45	26	SSE	3G19	29.56	24.95	0	OK
6/15/2010 15:38	82	43	25	SSW	9G19	29.58	24.967	0	OK
6/15/2010 15:28	82	42	24	SSW	5G19	29.58	24.967	0	OK
6/15/2010 15:18	82	41	23	SSE	4G17	29.58	24.967	0	OK
6/15/2010 15:08	81	41	24	SSE	4G15	29.59	24.976	0	OK
6/15/2010 14:58	81	43	26	SSW	15G22	29.58	24.967	0	OK
6/15/2010 14:48	81	41	24	SW	5G22	29.58	24.967	0	OK
6/15/2010 14:38	82	43	25	SSW	10G22	29.58	24.967	0	OK
6/15/2010 14:28	81	42	25	SW	9G21	29.59	24.976	0	OK
6/15/2010 14:18	81	45	28	S	11G21	29.58	24.967	0	OK
6/15/2010 14:08	81	44	27	WSW	9G13	29.59	24.976	0	OK
6/15/2010 13:58	80	41	25	SSW	12G23	29.59	24.976	0	OK
6/15/2010 13:48	80	42	26	SSW	13G23	29.59	24.976	0	OK
6/15/2010 13:38	80	43	27	SSW	6G21	29.59	24.976	0	OK
6/15/2010 13:28	80	43	27	SSE	8G21	29.6	24.984	0	OK
6/15/2010 13:18	80	46	30	E	12G17	29.59	24.976	0	OK
6/15/2010 13:08	80	44	28	S	4G17	29.61	24.993	0	OK
6/15/2010 12:58	80	43	27	SW	6G17	29.61	24.993	0	OK
6/15/2010 12:48	79	42	27	S	8G17	29.61	24.993	0	OK
6/15/2010 12:38	79	42	27	SSW	3G17	29.61	24.993	0	OK
6/15/2010 12:28	79	43	28	SSE	15G17	29.62	25.002	0	OK
6/15/2010 12:18	79	43	28	SW	10G16	29.62	25.002	0	OK
6/15/2010 12:08	79	42	27	WSW	5G16	29.62	25.002	0	OK
6/15/2010 11:58	78	41	27	ESE	2G09	29.64	25.019	0	OK
6/15/2010 11:48	77	42	29	E	1G08	29.66	25.037	0	OK
6/15/2010 11:38	77	45	32	ESE	6G06	29.65	25.028	0	OK
6/15/2010 11:28	76	43	31	NE	3G05	29.66	25.037	0	OK
6/15/2010 11:18	76	44	32	NE	1G03	29.66	25.037	0	OK
6/15/2010 11:08	75	46	35	ESE	2G02	29.67	25.045	0	OK
6/15/2010 10:58	74	44	34	W	1G05	29.67	25.045	0	OK
6/14/2010 17:18	75	44	33	SW	G10	29.86	25.211	0.02	OK
6/14/2010 17:08	75	46	35	WNW	1G09	29.86	25.211	0.02	OK
6/14/2010 16:58	76	46	34	SW	3G10	29.85	25.202	0.02	OK
6/14/2010 16:48	75	47	37	W	3G10	29.86	25.211	0.02	OK
6/14/2010 16:38	75	47	37	SSW	3G10	29.86	25.211	0.02	OK
6/14/2010 16:28	75	46	36	WSW	2G10	29.86	25.211	0.02	OK
6/14/2010 16:18	75	47	37	W	4G09	29.87	25.22	0.02	OK
6/14/2010 16:08	75	47	37	SW	1G09	29.87	25.22	0.02	OK
6/14/2010 15:58	75	46	36	NW	2G10	29.87	25.22	0.02	OK