Red Rocks 1-16
Desert Eagle Operating
Las Animas County Colorado

Results

Sample ID	Depth (bgs	Latitude	Longitude	Method: SW846 8260D - Volatile Organic Compounds by GC/MS					
				Benzene (mg/Kg) 500 mg/kg	1,2,4 - Trimethybenzene (mg/Kg) 30 mg/Kg	Ethylebenzene (mg/Kg) 5.8 mg/Kg	1,3,5-Trimethylbenzene (mg/Kg) 27 mg/Kg	Toluene (mg/Kg) 490 mg/Kg	Xylenes (mg/Kg) 58 mg/Kg
RR116-DCA01	1-3'	37.464542	-103.518805	ND	ND	ND	ND	ND	ND
RR116-DCA02	1-3'	37.464595	-103.518745	ND	ND	ND	ND	ND	ND
RR116-DCA03	1-3'	37.464650	-103.518803	ND	ND	ND	ND	ND	ND
RR116-TA01	3-5'	37.464598	-103.518819	ND	ND	ND	ND	ND	ND
RR116-TA02	3-5'	37.464600	-103.518858	ND	ND	ND	ND	ND	ND
RR116-TA03	3-5'	37.464572	-103.518818	ND	ND	ND	ND	ND	ND
RR116-TA04	3-5'	37.464598	-103.518779	ND	ND	ND	ND	ND	ND
RR116-TA05	3-5'	37.464622	-103.518817	ND	ND	ND	ND	ND	ND
RR116-SA01	1-3'	37.464894	-103.518965	ND	ND	ND	ND	ND	ND
RR116-SA02	1-3'	37.464835	-103.518987	ND	ND	ND	ND	ND	ND
RR116-SA03	1-3'	37.464798	-103.518847	ND	ND	ND	ND	ND	ND
RR116-SA04	1-3'	37.464717	-103.518912	ND	ND	ND	ND	ND	ND
RR116-SA05	1-3'	37.464691	-103.518770	ND	ND	ND	ND	ND	ND
RR116-BG01	1-3'	37.464424	-103.518414	ND	ND	ND	ND	ND	ND
BG01 @ 1'	1-3'	37.463523	-103.518842	<0.0015	ND	<0.0014	ND	<0.0016	ND
BG02 @ 1'	1-3'	37.463712	-103.519528	<0.0015	<0.0016	ND	ND	<0.0016	ND
SP01 @ 1'	1-3'	37.464927	-103.518785	<0.0015	<0.0016	ND	<0.0015	<0.0016	ND
Delin01 @ 1'	1-3'	37.464556	-103.518819	<0.0015	ND	ND	ND	ND	<0.0043
Delin01 @ 3'	1-3'	37.464556	-103.518819	<0.0015	ND	ND	ND	ND	ND
Delin02 @ 1'	1-3'	37.464566	-103.518758	<0.0015	ND	ND	<0.0015	<0.0016	ND
Delin02 @ 3'	1-3'	37.464566	-103.518758	<0.0015	ND	ND	ND	<0.0016	ND
Delin03 @ 1'	1-3'	37.464595	-103.518708	0.0023	<0.0016	ND	<0.0015	0.014	0.015
Delin03 @ 2.5'	1-3'	37.464595	-103.518708	ND	<0.0016	<0.0014	<0.0015	<0.0016	<0.0043
Delin04 @ 1'	1-3'	37.464621	-103.518777	ND	<0.0016	<0.0014	<0.0015	<0.0016	<0.0043
Delin04 @ 3'	1-3'	37.464621	-103.518777	ND	<0.0016	<0.0014	<0.0015	<0.0016	<0.0043
Delin05 @ 1'	1-3'	37.464622	-103.518859	ND	<0.0016	<0.0014	<0.0015	<0.0016	<0.0043
Delin05 @ 2.5'	1-3'	37.464622	-103.518859	ND	<0.0016	<0.0014	<0.0015	<0.0016	<0.0043
Delin06 @ 1'	1-3'	37.464601	-103.518892	ND	<0.0016	<0.0014	<0.0015	<0.0016	<0.0043
Delin06 @ 2.5'	1-3'	37.464601	-103.518892	ND	<0.0016	<0.0014	<0.0015	<0.0016	<0.0043
Delin07 @ 1'	1-3'	37.464568	-103.518863	ND	<0.0016	<0.0014	<0.0015	<0.0016	<0.0043
Delin07 @ 3'	1-3'	37.464568	-103.518863	ND	<0.0016	<0.0014	<0.0015	<0.0016	<0.0043

Sample ID	Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)														
	Anthracene (mg/Kg) 1800 mg/Kg	Benzo[a]anthracene (mg/Kg) 1.1 mg/Kg	Benzo[a]pyrene (mg/Kg) 0.11 mg/Kg	Benzo[b]fluoranthene (mg/Kg) 1.1 mg/Kg	Benzo[k]fluoranthene (mg/Kg) 11 mg/Kg	Chrysene (mg/Kg) 110 mg/Kg	Dibenzo[a,h]anthracene (mg/Kg) 0.11 mg/Kg	Fluoranthene (mg/Kg) 240 mgKg	Fluorene (mg/Kg) 240 mg/Kg	2-Methylnaphthalene (mg/Kg) 24 mg/Kg	Acenaphthene (mg/Kg) 360 mg/Kg	Indeno[1,2,3-cd]pyrene (mg/Kg) 1.1 mg/Kg	Naphthalene (mg/Kg) 2.0 mg/Kg	Pyrene (mg/Kg) 180 mg/Kg	1-Methylnaphthalene (mg/Kg) 18 mg/Kg
RR116-DCA01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RR116-DCA02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RR116-DCA03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RR116-TA01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RR116-TA02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RR116-TA03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RR116-TA04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RR116-TA05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RR116-SA01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0021	ND	ND
RR116-SA02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RR116-SA03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RR116-SA04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RR116-SA05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RR116-BG01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG01 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG02 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SP01 @ 1'	ND	<0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin01 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin01 @ 3'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin02 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin02 @ 3'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin03 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.00313
Delin03 @ 2.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin04 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin04 @ 3'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin05 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin05 @ 2.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin06 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin06 @ 2.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin07 @ 1'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delin07 @ 3'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID	Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)	Method: SW846 8015D - Diesel Range Organics (DRO) (GC)		Method: LA 298 SAR - Sodium Adsorption Ratio - Soluble	Method: SW846 6010D - Metals (ICP)	Method: SW846 6020B - Metals (ICP/MS)								
	GRO (C6 - C10) (mg/Kg) 500mg/Kg	DRO (C10 - C28) (mg/Kg) 500 mg/Kg	ORO (C20 - C38) (mg/Kg) 500 mg/Kg	SAR (unitless) <6	Boron (mg/Kg) 2 mg/L	Silver (mg/Kg) 390 mg/Kg	Arsenic (mg/Kg) 0.68 mg/Kg	Barium (mg/Kg) 15,000 mg/Kg	Cadmium (mg/Kg) 71 mg/Kg	Copper (mg/Kg) 3,100 mg/Kg	Nickel (mg/Kg) 1,500 mg/Kg	Lead (mg/Kg) 400 mg/Kg	Selenium (mg/Kg) 390 mg/Kg	Zinc (mg/Kg) 23,000 mg/Kg
RR116-DCA01	ND	ND	18	0.59	11	0.048	6.2	250	0.27	11	11	6.9	0.32	31
RR116-DCA02	ND	ND	ND	7.3	13	0.055	7.1	220	0.33	15	16	10	0.56	50
RR116-DCA03	ND	ND	22	0.82	12	0.06	7.3	260	0.35	17	17	12	0.41	57
RR116-TA01	ND	ND	15	0.84	13	0.046	6.5	220	0.29	14	14	10	0.55	46
RR116-TA02	ND	ND	22	0.99	12	0.042	6.4	250	0.25	14	14	9.9	0.44	45
RR116-TA03	ND	ND	21	4	12	0.059	7.4	240	0.34	18	17	12	0.48	61
RR116-TA04	ND	15	28	1.1	12	0.038	6	250	0.26	13	13	9.4	0.4	42
RR116-TA05	ND	ND	16	0.34	11	0.034	6.9	280	0.33	15	15	9.9	0.36	46
RR116-SA01	ND	ND	21	0.21	9	0.043	7.1	150	0.32	12	13	9	0.4	45
RR116-SA02	ND	ND	18	0.16	8.7	0.037	6.8	220	0.28	12	14	9.2	0.39	40
RR116-SA03	ND	14	25	2.8	11	0.039	9.7	390	0.29	14	17	12	0.5	45
RR116-SA04	ND	ND	17	0.22	8.4	0.033	6.5	220	0.24	12	12	7.5	0.32	34
RR116-SA05	ND	14	24	0.95	11	0.045	7.5	270	0.29	16	18	11	0.4	52
RR116-BG01	ND	ND	23	6.4	12	0.056	7.6	390	0.3	19	20	14	0.41	66
BG01 @ 1'	<0.223	ND	ND	0.39	0.62	<0.25	5.27	132.41	0.26	11.69	10.33	11.39	2.56	42.03
BG02 @ 1'	<0.223	ND	ND	13.5	0.28	<0.25	4.85	112.86	0.25	11.25	10.58	11.65	2.77	38.55
SP01 @ 1'	<0.223	ND	ND	1.12	1.28	<0.25	4.88	145.89	0.29	12.1	10.11	16.24	2.65	47.42
Delin01 @ 1'	<0.223	ND	ND	1.22	0.35	<0.25	5.39	197.22	0.24	11.4	10.05	9.44	2.34	36.96
Delin01 @ 3'	<0.223	ND	ND	0.2	0.24	<0.03	4.27	484.08	0.2	7.09	7.7	5.34	1.57	21.13
Delin02 @ 1'	ND	ND	ND	0.31	0.42	<0.25	4.65	139.06	0.22	11	9.51	9.54	2.27	36.23
Delin02 @ 3'	<0.223	ND	ND	4.69	1.97	<0.03	5.35	288	0.26	9.86	9.42	7.36	1.98	29.21
Delin03 @ 1'	<0.223	ND	ND	0.88	0.34	<0.25	5.4	155.46	0.27	12.42	11.18	10.98	2.61	41.79
Delin03 @ 2.5'	<0.223	ND	ND	5.56	0.67	<0.25	5.04	223.78	0.25	11.28	12.57	9.94	2.36	37.89
Delin04 @ 1'	<0.223	ND	ND	0.24	0.33	<0.25	5.35	153.94	0.26	12.3	10.7	10.3	2.49	40.95
Delin04 @ 3'	<0.223	ND	ND	1.85	0.28	<0.03	3.89	293.16	0.17	6.82	6.38	5	1.29	19.77
Delin05 @ 1'	<0.223	ND	ND	0.53	0.3	<0.25	5.43	155.6	0.27	12.69	11.44	11.19	2.67	42.91
Delin05 @ 2.5'	<0.223	ND	ND	0.95	0.26	<0.25	5.99	216.4	0.28	11.49	11.54	11.01	2.51	40.52
Delin06 @ 1'	<0.223	ND	ND	0.2	0.38	<0.25	5.96	164.8	0.28	11.75	11.32	10.82	2.59	41.31
Delin06 @ 2.5'	<0.223	ND	ND	0.18	0.28	<0.25	5.43	157.16	0.31	9.89	11.09	9.03	2.27	34.14
Delin07 @ 1'	<0.223	ND	ND	0.13	0.32	<0.25	4.14	119.21	0.22	9.73	9.02	9.47	2.03	36.23
Delin07 @ 3'	<0.223	ND	ND	2.18	0.26	<0.25	5.18	269.42	0.25	9.44	9.84	8.64	2.13	34.86

Area of Defined Impact	~165 square feet
Area of Delineation	~888 square feet
Background Samples	~350' S & SSW Up-gradient of Wellhead