

Hi Vol Activity - 2016

Sampling Site	Sample Period	241Am Bq/Sample	241Am Bq/M3	239+240Pu Bq/Sample	239+240Pu Bq/M3	238Pu Bq/Sample	238Pu Bq/M3
On-Site							
109 Yards NW of Exh. Shaft	1/8/16 - 1/27/16	n/d	n/d	n/d	n/d	n/d	n/d
(32, 22', 22.75"N;	1/27/16 - 2/10/16	n/d	n/d	n/d	n/d	n/d	n/d
103, 47', 30.26"W; elev. 3,419)	2/15/16 - 2/24/16	4.00E-04	2.78E-08	n/d	n/d	n/d	n/d
	2/24/16 - 3/9/16	3.68E-04	1.89E-08	n/d	n/d	n/d	n/d
	3/9/16 - 3/23/16	n/d	n/d	6.00E-04	3.06E-08	n/d	n/d
	3/23/16 - 4/6/16	n/d	n/d	n/d	n/d	n/d	n/d
	4/6/16 - 4/26/16	7.98E-04	2.47E-08	n/d	n/d	n/d	n/d
	4/26/16 - 5/9/16	4.78E-04	2.38E-08	3.48E-04	1.73E-08	n/d	n/d
	5/9/16 - 5/25/16	n/d	n/d	n/d	n/d	n/d	n/d
	5/25/16 - 6/16/16	1.02E-03	2.94E-08	n/d	n/d	n/d	n/d
	6/16/16 - 7/8/16	1.08E-03	3.10E-08	4.96E-04	1.42E-08	n/d	n/d
	7/8/16 - 7/20/16	4.40E-04	2.31E-08	n/d	n/d	n/d	n/d
	7/20/16 - 7/27/16	1.06E-03	9.58E-08	n/d	n/d	n/d	n/d
	7/27/16 - 8/23/16	6.50E-04	1.67E-08	n/d	n/d	n/d	n/d
	8/23/16 - 9/30/16	1.83E-03	3.02E-08	5.98E-04	9.87E-09	n/d	n/d
	9/30/16 - 10/24/16	6.82E-04	1.79E-08	n/d	n/d	n/d	n/d
	10/24/16 - 11/29/16	1.20E-03	2.08E-08	n/d	n/d	n/d	n/d
	11/29/16 - 12/21/16	n/d	n/d	n/d	n/d	n/d	n/d
	12/21/16 - 1/6/17	n/d	n/d	n/d	n/d	n/d	n/d
Near Field							
0.6 Miles NW of Exh. Shaft	1/8/16 - 1/27/16	8.50E-04	2.76E-08	5.10E-04	1.66E-08	n/d	n/d
(32, 22', 39.69"N;	1/27/16 - 2/10/16	2.76E-04	1.26E-08	n/d	n/d	n/d	n/d
103, 47', 56.24"W; elev. 3,632)	2/10/16 - 2/24/16	n/d	n/d	n/d	n/d	n/d	n/d
	2/24/16 - 3/9/16	n/d	n/d	n/d	n/d	n/d	n/d
	3/9/16 - 3/23/16	n/d	n/d	n/d	n/d	n/d	n/d
	3/23/16 - 4/6/16	n/d	n/d	n/d	n/d	n/d	n/d
	4/6/16 - 4/26/16	2.90E-04	9.36E-09	n/d	n/d	n/d	n/d
	4/26/16 - 5/9/16	n/d	n/d	3.58E-04	1.82E-08	n/d	n/d
	5/9/16 - 5/25/16	n/d	n/d	n/d	n/d	n/d	n/d
	5/25/16 - 6/16/16	n/d	n/d	n/d	n/d	n/d	n/d
	6/16/16 - 7/8/16	3.18E-04	9.18E-09	n/d	n/d	n/d	n/d
	7/8/16 - 7/20/16	n/d	n/d	n/d	n/d	n/d	n/d
	7/20/16 - 7/27/16	n/d	n/d	n/d	n/d	n/d	n/d
	7/27/16 - 8/23/16	3.96E-04	9.54E-09	n/d	n/d	n/d	n/d
	8/23/16 - 9/30/16	4.02E-04	6.43E-09	n/d	n/d	n/d	n/d
	9/30/16 - 10/24/16	n/d	n/d	n/d	n/d	n/d	n/d
	10/24/16 - 11/29/16	4.28E-04	7.50E-09	8.76E-04	1.54E-08	n/d	n/d
	11/29/16 - 12/21/16	n/d	n/d	n/d	n/d	n/d	n/d
	12/21/16 - 1/6/17	n/d	n/d	n/d	n/d	n/d	n/d

n/d = no detection (results were below minimum detection concentrations)
 Bq/M3 = Bq adjusted for flow volume using flow rate and time

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Sampling Site	Sample Period	241Am Bq/Sample	241Am Bq/M3	239+240Pu Bq/Sample	239+240Pu Bq/M3	238Pu Bq/Sample	238Pu Bq/M3
Cactus Flats							
11.8 Miles SE of Exh. Shaft	1/8/16 - 1/27/16	5.70E-04	1.86E-08	1.16E-04	3.78E-09	n/d	n/d
(32, 13', 5.54"N;	1/27/16 - 2/10/16	4.56E-04	2.01E-08	n/d	n/d	n/d	n/d
103, 41', 42.5"W; elev. 3,579)	2/10/16 - 2/24/16	n/d	n/d	n/d	n/d	n/d	n/d
	2/24/16 - 3/9/16	1.40E-03	6.18E-08	n/d	n/d	n/d	n/d
	3/9/16 - 3/23/16	4.06E-04	1.79E-08	5.20E-04	2.29E-08	n/d	n/d
	3/23/16 - 4/6/16	n/d	n/d	4.76E-04	2.09E-08	n/d	n/d
	4/6/16 - 4/26/16	n/d	n/d	n/d	n/d	n/d	n/d
	4/26/16 - 5/9/16	n/d	n/d	5.74E-04	2.73E-08	n/d	n/d
	5/9/16 - 5/25/16	n/d	n/d	n/d	n/d	n/d	n/d
	5/25/16 - 6/16/16	2.66E-04	7.69E-09	n/d	n/d	n/d	n/d
	6/16/16 - 7/8/16	n/d	n/d	n/d	n/d	n/d	n/d
	7/8/16 - 7/20/16	n/d	n/d	n/d	n/d	n/d	n/d
	7/20/16 - 7/27/16	4.26E-04	1.13E-07	n/d	n/d	n/d	n/d
	7/27/16 - 8/23/16	n/d	n/d	n/d	n/d	n/d	n/d
	8/23/16 - 9/30/16	n/d	n/d	n/d	n/d	n/d	n/d
	9/30/16 - 10/24/16	n/d	n/d	n/d	n/d	n/d	n/d
	10/24/16 - 11/29/16	n/d	n/d	n/d	n/d	n/d	n/d
	11/29/16 - 12/21/16	n/d	n/d	8.34E-04	2.38E-08	n/d	n/d
	12/21/16 - 1/6/17	n/d	n/d	n/d	n/d	n/d	n/d
Loving							
29 Miles SW of Exh. Shaft	1/8/16 - 1/27/16	3.58E-04	1.16E-08	n/d	n/d	n/d	n/d
(32, 16', 39.62"N;	1/27/16 - 2/10/16	n/d	n/d	n/d	n/d	n/d	n/d
104, 05', 43.22"W; elev. 3,066)	2/10/16 - 2/24/16	4.32E-04	1.89E-08	n/d	n/d	n/d	n/d
	2/24/16 - 3/9/16	3.50E-04	1.54E-08	n/d	n/d	n/d	n/d
	3/9/16 - 3/23/16	3.92E-04	1.72E-08	4.38E-04	1.92E-08	n/d	n/d
	3/23/16 - 4/6/16	4.66E-04	2.07E-08	8.44E-04	3.74E-08	n/d	n/d
	4/6/16 - 4/26/16	5.60E-04	1.72E-08	3.72E-04	1.14E-08	n/d	n/d
	4/26/16 - 5/9/16	n/d	n/d	n/d	n/d	n/d	n/d
	5/9/16 - 5/25/16	n/d	n/d	n/d	n/d	n/d	n/d
	5/25/16 - 6/16/16	n/d	n/d	4.12E-04	1.17E-08	n/d	n/d
	6/16/16 - 7/8/16	4.04E-04	1.16E-08	4.34E-04	1.25E-08	n/d	n/d
	7/8/16 - 7/20/16	n/d	n/d	n/d	n/d	n/d	n/d
	7/20/16 - 7/27/16	n/d	n/d	n/d	n/d	n/d	n/d
	7/27/16 - 8/23/16	3.94E-04	9.73E-09	n/d	n/d	n/d	n/d
	8/23/16 - 9/30/16	n/d	n/d	n/d	n/d	n/d	n/d
	9/30/16 - 10/24/16	n/d	n/d	n/d	n/d	n/d	n/d
	10/24/16 - 11/29/16	4.38E-04	7.86E-09	n/d	n/d	n/d	n/d
	11/29/16 - 12/21/16	n/d	n/d	n/d	n/d	n/d	n/d
	12/21/16 - 1/6/17	4.60E-04	1.76E-08	n/d	n/d	n/d	n/d
Carlsbad							
35 Miles NW of Exh. Shaft	1/8/16 - 1/27/16	n/d	n/d	n/d	n/d	n/d	n/d
(32, 26', 18.36"N;	1/27/16 - 2/10/16	n/d	n/d	n/d	n/d	n/d	n/d
104, 15', 58.17"W; elev. 3,219)	2/10/16 - 2/24/16	n/d	n/d	n/d	n/d	n/d	n/d
	2/24/16 - 3/9/16	4.98E-04	2.20E-08	n/d	n/d	n/d	n/d
	3/9/16 - 3/23/16	3.90E-04	1.72E-08	n/d	n/d	n/d	n/d
	3/23/16 - 4/6/16	5.00E-04	2.20E-08	4.14E-04	1.82E-08	n/d	n/d
	4/6/16 - 4/26/16	n/d	n/d	n/d	n/d	n/d	n/d
	4/26/16 - 5/9/16	n/d	n/d	3.92E-04	1.87E-08	n/d	n/d
	5/9/16 - 5/25/16	3.96E-04	1.53E-08	n/d	n/d	n/d	n/d
	5/25/16 - 6/16/16	3.90E-04	1.13E-08	n/d	n/d	n/d	n/d
	6/16/16 - 7/8/16	n/d	n/d	7.94E-04	2.38E-08	n/d	n/d
	7/8/16 - 7/20/16	n/d	n/d	n/d	n/d	n/d	n/d
	7/20/16 - 7/27/16	4.58E-04	4.03E-08	n/d	n/d	n/d	n/d
	7/27/16 - 8/23/16	n/d	n/d	n/d	n/d	n/d	n/d
	8/23/16 - 9/30/16	4.46E-04	7.02E-09	n/d	n/d	n/d	n/d
	9/30/16 - 10/24/16	n/d	n/d	n/d	n/d	n/d	n/d
	10/24/16 - 11/29/16	n/d	n/d	n/d	n/d	n/d	n/d
	11/29/16 - 12/21/16	n/d	n/d	n/d	n/d	n/d	n/d
	12/21/16 - 1/6/17	n/d	n/d	n/d	n/d	n/d	n/d

n/d = no detection (results were below minimum detection concentrations)
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