Well Name: 21-24524W and 21-24524S **Tritium columns, pump on for…** **Tritium co**
Number of ports: 9 13:29 on 9/13/2011
Date (s): 9/13/2011 - 9/15/2011

Port number	Sample ID	QC Sample of	Port top depth (ft bgs)	Port depth (ft bgs)	Port bottom depth (ft bgs)	Total purge (sl)
1	MD21-11-26384	-	42.5	45.0	47.5	4554.711
2	MD21-11-26385	-	122.5	125.0	127.5	5351.990
3	MD21-11-26386	-	172.5	175.0	177.5	4860.325
4	MD21-11-26387	-	257.5	260.0	262.5	4710.202
5	MD21-11-26388	-	300.0	302.5	305.0	5438.468
6	MD21-11-26389	-	327.5	330.0	332.5	5378.187
7	MD21-11-26390	-	377.5	380.0	382.5	4439.372
10	MD21-11-26391	-	677.5	680.0	682.5	4470.526
11	MD21-11-26392	-	712.5	715.0	717.5	3677.981
3 (FD)	MD21-11-26393	MD21-11-26386	172.5	175.0	177.5	3790.398
FB	MD21-11-26394	MD21-11-26386	NA	NA	NA	NA

Notes: First 7 ports located in 21-24524W, ports 10 and 11 located in 21-24524S. All tritium sampling occurred

Elapsed Time Calculation

	9/13/2011	9/15/2011	Time elapsed	
	Start time	End time	runtime (d)	runtime (hrs)
1	9/13/11 13:29	9/15/11 11:00	1.89652778	45.5166667
2	9/13/11 13:29	9/15/11 11:00	1.89652778	45.5166667
3	9/13/11 13:29	9/15/11 11:00	1.89652778	45.5166667
4	9/13/11 13:29	9/15/11 11:00	1.89652778	45.5166667
5	9/13/11 13:29	9/15/11 11:00	1.89652778	45.5166667
6	9/13/11 13:29	9/15/11 11:00	1.89652778	45.5166667
7	9/13/11 13:29	9/15/11 11:00	1.89652778	45.5166667
8	9/13/11 13:29	9/15/11 11:00	1.89652778	45.5166667
9	9/13/11 13:29	9/15/11 11:00	1.89652778	45.5166667
10	9/13/11 13:29	9/15/11 11:00	1.89652778	45.5166667
11	9/13/11 13:29	9/15/11 11:00	1.89652778	45.5166667

olumns, pump off for…
11:00 on 9/15/2011

Barometric Pressure* (in Hg): 30.29
Relative Humidity* (%): 77
Temperature* (F): 55
At: 9/15/2011 at 10:55

Hours of purge	Average flow rate (slpm)	Tritium cylinder #	Silica Gel Mass in the cylinder (gm)	Tritium cylinder initial weight (gm)	Tritium cylinder weight w/moisture (gm)	Accumulated moisture weight (gm)	Port Subatm. Pressure O2 (%)**
45.500	1.7	221	146.96	602.52	654.13	51.61	15.0
45.500	2.0	198	152.22	599.20	649.10	49.90	20.0
45.500	1.8	209	151.92	603.63	622.23	18.60	20.1
45.500	1.7	213	146.04	582.57	627.68	45.11	20.2
45.500	2.0	230	151.77	602.91	645.04	42.13	20.3
45.500	2.0	218	151.92	598.58	636.13	37.55	20.4
45.500	1.6	226	146.02	587.40	620.47	33.07	20.4
45.500	1.6	224	153.32	612.07	650.33	38.26	20.4
45.500	1.3	26	151.02	591.39	625.88	34.49	20.5
45.500	1.4	212	152.22	600.96	640.67	39.71	20.1
NA	NA	12	145.64	576.84	586.99	10.15	NA

d at the same time. Port subatmospheric measurements were taken on 9/13/2011 after purging each port for

Port Subatm. Pressure CO2 (ppm)**	Summa canister #	Summa's Initial Vacuum (in Hg)	Comments
2.19	NA	NA	CO2= 2.19%, 21-24524W
5110	NA	NA	21-24524W
4560	NA	NA	21-24524W
5110	NA	NA	21-24524W
5050	NA	NA	21-24524W
4750	NA	NA	21-24524W
4500	NA	NA	21-24524W
3500	NA	NA	21-24524S
3400	NA	NA	21-24524S
4560	NA	NA	21-24524W
NA	NA	NA	NA

r a minimum of 10 minutes per port. **Entered by** R. Onstott

Reviewed by *Jlinville 10/4/2011*