

December 2010

Z-AREA GROUNDWATER MONITORING REPORT FOR 2010 (U) SRNS-TR-2010-00374



12-2010
Daniel G. Wells

Prepared by:

Savannah River Nuclear Solutions, LLC

Prepared for the U. S. Department of Energy Under
Contract No. DE-AC09-08SR22470

Introduction

In accordance with SRS Z-Area Saltstone Industrial Solid Waste Permit, #025500-1603, eight Z Area monitoring wells (figure 1) were scheduled for sampling during the first and third quarters of 2010. In accordance with the approved monitoring plan, well samples were analyzed for:

pH
Specific Conductance
Water level
Nitrate/nitrite as Nitrogen
Gross alpha
Beta/positron emitters
Iodine 129
Tritium

The 2010 analytical results are presented in table 1. The sampling did not reveal any evidence of new releases from the Saltstone vaults.

Flow Direction and Rate

Equipment problems prevented collection of usable water level measurements at several wells during both sampling events. New equipment is being procured. The usable water level data is presented in figures 2 and 3. The flow rate for the second sampling event can be estimated using the following equation:

$$\text{Flow(ft/day)} = \frac{\text{Hydraulic Conductivity (ft/day)}}{\text{Porosity (unitless)}} \times \frac{dh(\text{ft})}{dl(\text{ft})}$$

where the hydraulic conductivity is 1.7 ft/day, the effective porosity value is 30 percent, the change in head is dh, and the horizontal distance is simply the distance between the 220' and 230' potentiometric contours (figures 2 and 3).

The calculation is as follows:

$$\frac{1.7 \text{ ft/day}}{0.30} \times \frac{10 \text{ ft}}{470 \text{ ft}} = 0.12 \text{ ft/day or } 44 \text{ ft/year}$$

Analytical results

The nitrate/nitrite results are considered particularly important in determining whether or not an unexpected release is occurring. This is because nitrate is a very mobile constituent that is likely to leach from saltstone. As in past years, nitrate/nitrite was detected in the downgradient wells, but higher concentrations were found in background well ZBG-1. Therefore, the downgradient detections do not represent evidence of a release from the vaults.

Tritium was detected in all of the ZBG wells but was well below the 20,000 pCi/L drinking water standard. Results at wells ZBG-6, 7 and 8 (just downgradient of vault 1) exceeded the results at background well ZBG-1. One of these wells, ZBG-8, is located at an end of Vault 1 that never received waste, so its results could be considered background. But ZBG-6, at the other end of the vault, yielded tritium results as high as 4120 pCi/L (on 7/21/10). This well consistently yields tritium results that are elevated with respect to current background but

well below historical background. The background well, ZBG-1 yielded results as high as 19,000 pCi/L in 1989, but the results have dropped about 85% since then. Some of the drop is due to decay, and some is due to migration. It may be that some of the tritium that once caused high background results upgradient has now moved into the area sampled by ZBG-6. In this case the ZBG-6 results would be coming from an upgradient source completely unrelated to the saltstone vaults. It is also plausible that the tritium in ZBG-6 came from a well-documented 1994 leak from Vault 1. However, if that were the case, higher nitrate/nitrite results would be expected from the well.

Conclusions

The ZBG well series was sampled twice during 2010. Tritium results just downgradient of Vault 1 are elevated with respect to current background, but do not clearly indicate an impact from the vault. The estimate of groundwater flow velocity in the area is similar to 2009.

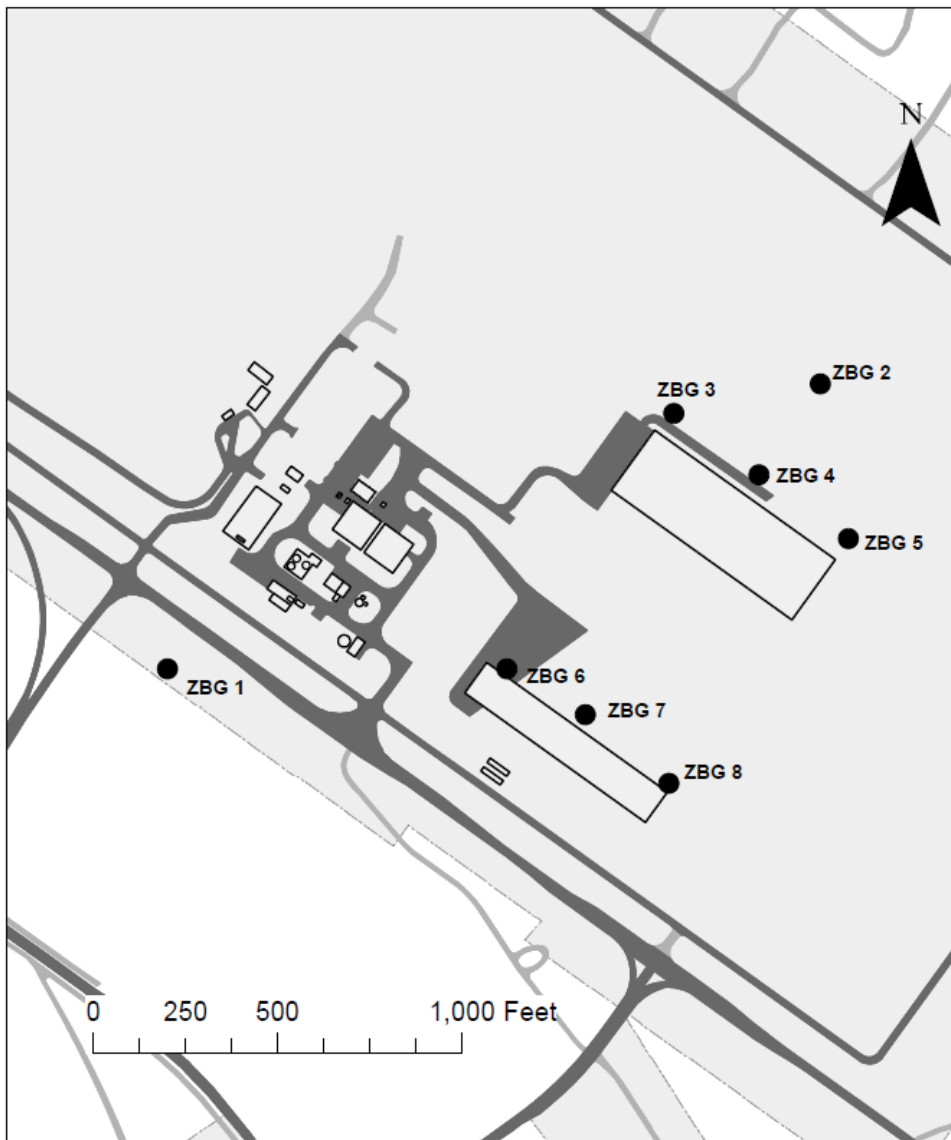


Figure 1. Locations of Z Area wells.

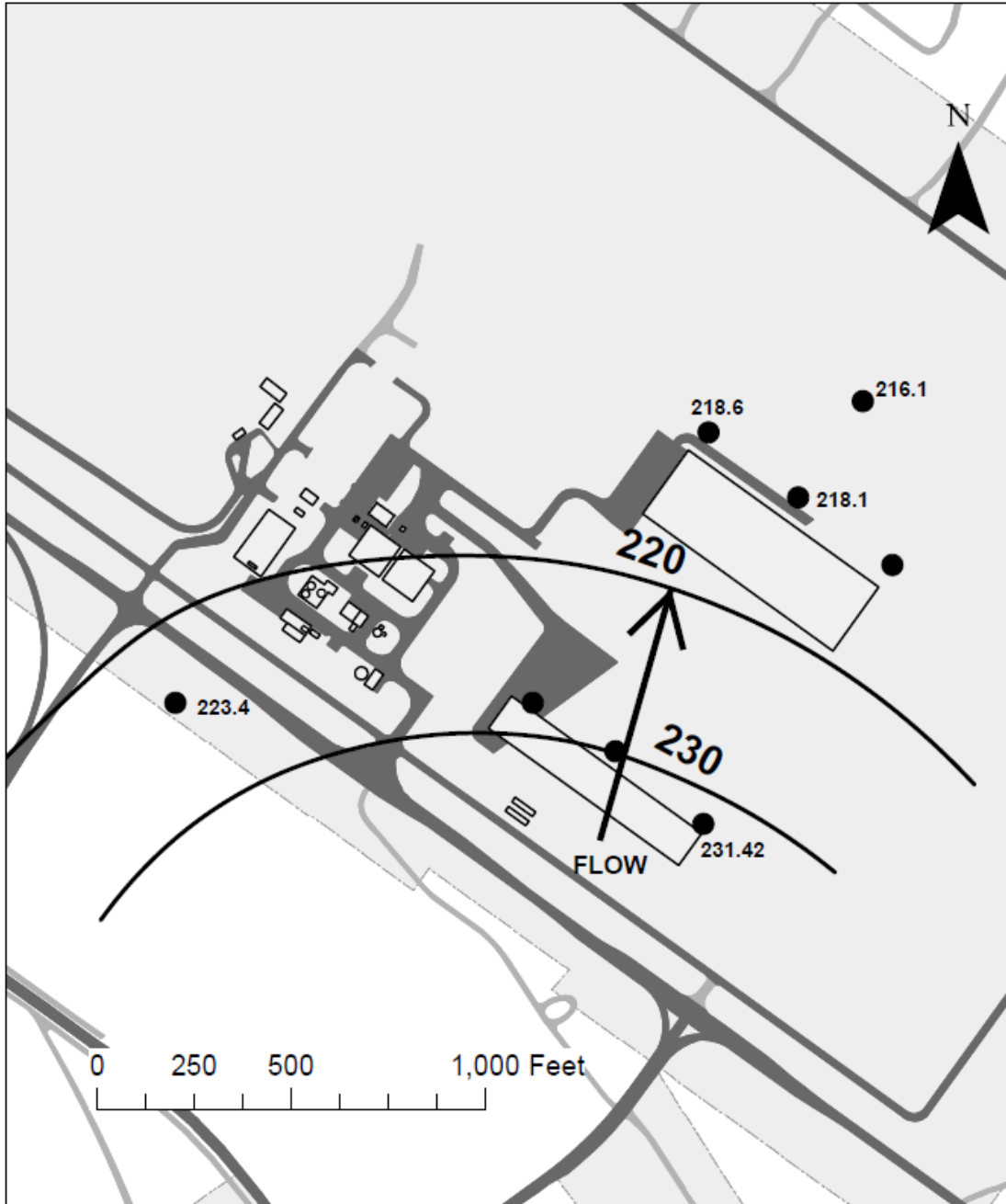


Figure 2. Water elevation data in Z-Area for first quarter of 2010.

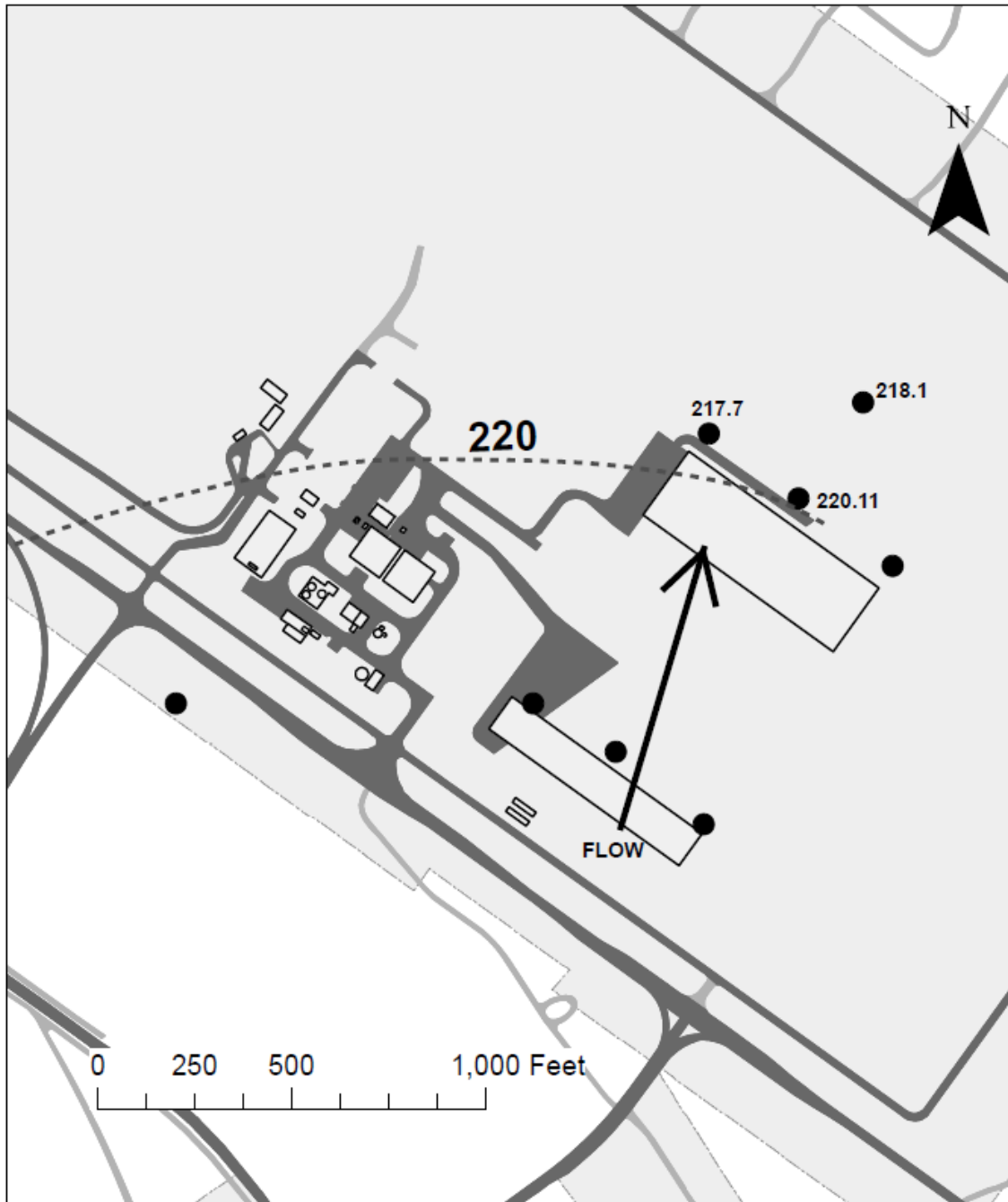


Figure 3. Water elevation data in Z-Area for third quarter of 2010.

Table 1. Monitoring data.

WELL	DATE	ANALYTE_NAME	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 6	3/1/10	ACTINIUM-228	L3.21-10021	31.73	66.70	U	-3.67	pCi/L
ZBG 7	3/1/10	ACTINIUM-228	L3.21-10021	32.34	68.62	U	-7.03	pCi/L
ZBG 8	3/1/10	ACTINIUM-228	L3.21-10021	30.56	65.07	U	-9.44	pCi/L
ZBG 1	4/26/10	ACTINIUM-228	L3.21-10021	40.8	101	U	32.4	pCi/L
ZBG 2	4/26/10	ACTINIUM-228	L3.21-10021	41	87.5	U	-2.82	pCi/L
ZBG 3	4/26/10	ACTINIUM-228	L3.21-10021	37.4	78.1	U	3.47	pCi/L
ZBG 4	4/26/10	ACTINIUM-228	L3.21-10021	37.2	78.8	U	-2.37	pCi/L
ZBG 4	4/26/10	ACTINIUM-228	L3.21-10021	40.8	82.6	U	21.5	pCi/L
ZBG 5	4/26/10	ACTINIUM-228	L3.21-10021	37.22	78.80	U	-2.37	pCi/L
ZBG 1	7/20/10	ACTINIUM-228	RADA-013	17.8	42.6	U	-10.2	pCi/L
ZBG 1	7/20/10	ACTINIUM-228	RADA-013	21.1	47.1	U	0.105	pCi/L
ZBG 2	7/21/10	ACTINIUM-228	RADA-013	18.6	43.2	U	-6.94	pCi/L
ZBG 3	7/21/10	ACTINIUM-228	RADA-013	21.1	46.1	U	-0.797	pCi/L
ZBG 4	7/21/10	ACTINIUM-228	RADA-013	20.9	47.7	U	-8.19	pCi/L
ZBG 5	7/21/10	ACTINIUM-228	RADA-013	20.8	50.6	U	-11.1	pCi/L
ZBG 6	7/21/10	ACTINIUM-228	RADA-013	19	40.6	U	-0.358	pCi/L
ZBG 7	7/21/10	ACTINIUM-228	RADA-013	30.1	63.3	U	5.75	pCi/L
ZBG 8	7/21/10	ACTINIUM-228	RADA-013	19.8	43.2	U	1.93	pCi/L
ZBG 6	3/1/10	AMERICIUM-241	L3.21-10021	24.42	52.49	U	7.80	pCi/L
ZBG 7	3/1/10	AMERICIUM-241	L3.21-10021	23.73	52.87	U	-14.29	pCi/L
ZBG 8	3/1/10	AMERICIUM-241	L3.21-10021	23.37	54.92	U	-7.47	pCi/L
ZBG 1	4/26/10	AMERICIUM-241	L3.21-10005	82.5	179	U	3.21	pCi/L
ZBG 2	4/26/10	AMERICIUM-241	L3.21-10005	93	204	U	-17.4	pCi/L
ZBG 3	4/26/10	AMERICIUM-241	L3.21-10005	83.7	184	U	-18.4	pCi/L
ZBG 4	4/26/10	AMERICIUM-241	L3.21-10005	78.8	172	U	-4.56	pCi/L
ZBG 4	4/26/10	AMERICIUM-241	L3.21-10005	83.6	182	U	-2.08	pCi/L
ZBG 5	4/26/10	AMERICIUM-241	L3.21-10021	78.81	171.86	U	-4.56	pCi/L
ZBG 1	7/20/10	AMERICIUM-241	RADA-013	32.4	72.6	U	-17.1	pCi/L
ZBG 1	7/20/10	AMERICIUM-241	RADA-013	8.19	18	U	1.94	pCi/L
ZBG 1	7/20/10	ANTIMONY-124	RADA-013	14	31.4	U	-0.814	pCi/L
ZBG 1	7/20/10	ANTIMONY-124	RADA-013	16	33.5	U	4.16	pCi/L
ZBG 2	7/21/10	ANTIMONY-124	RADA-013	13.7	30.7	U	-1.8	pCi/L
ZBG 3	7/21/10	ANTIMONY-124	RADA-013	11.5	32.1	U	-13.6	pCi/L
ZBG 4	7/21/10	ANTIMONY-124	RADA-013	14.1	32.8	U	-4.43	pCi/L
ZBG 5	7/21/10	ANTIMONY-124	RADA-013	15.8	34	U	0.885	pCi/L
ZBG 6	7/21/10	ANTIMONY-124	RADA-013	13.2	27.7	U	2.45	pCi/L
ZBG 7	7/21/10	ANTIMONY-124	RADA-013	17.7	39.5	U	-1.17	pCi/L
ZBG 8	7/21/10	ANTIMONY-124	RADA-013	15.1	32.6	U	1.47	pCi/L
ZBG 6	3/1/10	ANTIMONY-125	L3.21-10021	18.67	40.71	U	-3.08	pCi/L
ZBG 7	3/1/10	ANTIMONY-125	L3.21-10021	20.65	43.85	U	6.28	pCi/L
ZBG 8	3/1/10	ANTIMONY-125	L3.21-10021	20.21	43.89	U	-1.64	pCi/L
ZBG 1	4/26/10	ANTIMONY-125	L3.21-10021	25.6	56.5	U	-4.39	pCi/L
ZBG 2	4/26/10	ANTIMONY-125	L3.21-10021	27.2	59.6	U	-1.71	pCi/L
ZBG 3	4/26/10	ANTIMONY-125	L3.21-10021	23.7	53.9	U	-15.5	pCi/L
ZBG 4	4/26/10	ANTIMONY-125	L3.21-10021	22.1	47.5	U	3.04	pCi/L
ZBG 4	4/26/10	ANTIMONY-125	L3.21-10021	25.6	54.5	U	8.22	pCi/L
ZBG 5	4/26/10	ANTIMONY-125	L3.21-10021	22.15	47.50	U	3.04	pCi/L
ZBG 1	7/20/10	ANTIMONY-125	RADA-013	12.6	28.2	U	-2.23	pCi/L

WELL	DATE	ANALYTE_NAME	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 1	7/20/10	ANTIMONY-125	RADA-013	10.4	22.9	U	-0.617	pCi/L
ZBG 2	7/21/10	ANTIMONY-125	RADA-013	13.8	30.8	U	-2.46	pCi/L
ZBG 3	7/21/10	ANTIMONY-125	RADA-013	12.7	27.4	U	1.8	pCi/L
ZBG 4	7/21/10	ANTIMONY-125	RADA-013	15.1	32.4	U	4.03	pCi/L
ZBG 5	7/21/10	ANTIMONY-125	RADA-013	15	34.3	U	-0.0307	pCi/L
ZBG 6	7/21/10	ANTIMONY-125	RADA-013	11.6	25.2	U	0.291	pCi/L
ZBG 7	7/21/10	ANTIMONY-125	RADA-013	15.1	33.9	U	-2.3	pCi/L
ZBG 8	7/21/10	ANTIMONY-125	RADA-013	10.9	24.5	U	-3.93	pCi/L
ZBG 6	3/1/10	BARIUM-133	L3.21-10021	9.36	21.35	U	2.06	pCi/L
ZBG 7	3/1/10	BARIUM-133	L3.21-10021	8.84	20.77	U	-12.06	pCi/L
ZBG 8	3/1/10	BARIUM-133	L3.21-10021	9.51	21.42	U	-7.12	pCi/L
ZBG 1	4/26/10	BARIUM-133	L3.21-10021	10.8	25.1	U	0.67	pCi/L
ZBG 2	4/26/10	BARIUM-133	L3.21-10021	12.4	28.6	U	2.69	pCi/L
ZBG 3	4/26/10	BARIUM-133	L3.21-10021	12.5	29.6	U	-1.97	pCi/L
ZBG 4	4/26/10	BARIUM-133	L3.21-10021	11.6	28.4	U	-6.07	pCi/L
ZBG 4	4/26/10	BARIUM-133	L3.21-10021	11.3	27.4	U	-5.09	pCi/L
ZBG 5	4/26/10	BARIUM-133	L3.21-10021	11.31	27.43	U	-5.09	pCi/L
ZBG 1	7/20/10	BARIUM-133	RADA-013	5.04	11	U	-0.208	pCi/L
ZBG 1	7/20/10	BARIUM-133	RADA-013	7.23	15.6	U	1.48	pCi/L
ZBG 2	7/21/10	BARIUM-133	RADA-013	6.43	14.7	U	-3.68	pCi/L
ZBG 3	7/21/10	BARIUM-133	RADA-013	5.91	13.6	U	-3.86	pCi/L
ZBG 4	7/21/10	BARIUM-133	RADA-013	7.21	16.2	U	-2.45	pCi/L
ZBG 5	7/21/10	BARIUM-133	RADA-013	7.46	16.2	U	1.03	pCi/L
ZBG 6	7/21/10	BARIUM-133	RADA-013	4.82	10.7	U	-1.47	pCi/L
ZBG 7	7/21/10	BARIUM-133	RADA-013	5.77	13.3	U	-3.01	pCi/L
ZBG 8	7/21/10	BARIUM-133	RADA-013	6.01	13.7	U	-1.64	pCi/L
ZBG 1	7/20/10	BISMUTH-212	RADA-013	59.7	136	U	-18.5	pCi/L
ZBG 1	7/20/10	BISMUTH-212	RADA-013	63.3	146	U	-15.9	pCi/L
ZBG 2	7/21/10	BISMUTH-212	RADA-013	77	180	U	52.9	pCi/L
ZBG 3	7/21/10	BISMUTH-212	RADA-013	57.3	128	U	-1.91	pCi/L
ZBG 4	7/21/10	BISMUTH-212	RADA-013	79.5	173	U	6.15	pCi/L
ZBG 5	7/21/10	BISMUTH-212	RADA-013	78.1	175	U	-11.8	pCi/L
ZBG 6	7/21/10	BISMUTH-212	RADA-013	57.2	130	U	7.56	pCi/L
ZBG 7	7/21/10	BISMUTH-212	RADA-013	88.6	189	U	10.6	pCi/L
ZBG 8	7/21/10	BISMUTH-212	RADA-013	68.7	152	U	-3.61	pCi/L
ZBG 6	3/1/10	BISMUTH-214	L3.21-10021	14.45	38.91	J	22.56	pCi/L
ZBG 7	3/1/10	BISMUTH-214	L3.21-10021	18.69	39.51	U	6.84	pCi/L
ZBG 8	3/1/10	BISMUTH-214	L3.21-10021	19.96	50.39	J	20.40	pCi/L
ZBG 1	4/26/10	BISMUTH-214	L3.21-10021	17.3	56.3		83.6	pCi/L
ZBG 2	4/26/10	BISMUTH-214	L3.21-10021	18.7	75		294	pCi/L
ZBG 3	4/26/10	BISMUTH-214	L3.21-10021	17.6	68.5		205	pCi/L
ZBG 4	4/26/10	BISMUTH-214	L3.21-10021	16.8	57.4		61.1	pCi/L
ZBG 4	4/26/10	BISMUTH-214	L3.21-10021	18.1	62		153	pCi/L
ZBG 5	4/26/10	BISMUTH-214	L3.21-10021	16.77	57.43		61.11	pCi/L
ZBG 1	7/20/10	BISMUTH-214	RADA-013	10.6	24	U	-0.442	pCi/L
ZBG 1	7/20/10	BISMUTH-214	RADA-013	11.2	24.8	U	0.239	pCi/L
ZBG 2	7/21/10	BISMUTH-214	RADA-013	12.3	27	U	1.35	pCi/L
ZBG 3	7/21/10	BISMUTH-214	RADA-013	13.3	29.4	U	5.04	pCi/L
ZBG 4	7/21/10	BISMUTH-214	RADA-013	13.3	28.8	U	1.99	pCi/L
ZBG 5	7/21/10	BISMUTH-214	RADA-013	15.4	32.4	U	7.97	pCi/L
ZBG 6	7/21/10	BISMUTH-214	RADA-013	10.9	24	U	0.618	pCi/L

WELL	DATE	ANALYTE_NAME	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 7	7/21/10	BISMUTH-214	RADA-013	15.4	33.2	U	6.5	pCi/L
ZBG 8	7/21/10	BISMUTH-214	RADA-013	12.3	26.5	U	3.42	pCi/L
ZBG 1	7/20/10	CALIFORNIUM-249	RADA-013	6.08	13	U	1.6	pCi/L
ZBG 1	7/20/10	CALIFORNIUM-249	RADA-013	5.64	11.7	U	2.95	pCi/L
ZBG 2	7/21/10	CALIFORNIUM-249	RADA-013	5.22	12	U	-2.58	pCi/L
ZBG 3	7/21/10	CALIFORNIUM-249	RADA-013	5.47	12.1	U	-0.914	pCi/L
ZBG 4	7/21/10	CALIFORNIUM-249	RADA-013	6.09	13.6	U	-1.24	pCi/L
ZBG 5	7/21/10	CALIFORNIUM-249	RADA-013	6.38	14.3	U	-1.09	pCi/L
ZBG 6	7/21/10	CALIFORNIUM-249	RADA-013	4.81	10.4	U	-0.0975	pCi/L
ZBG 7	7/21/10	CALIFORNIUM-249	RADA-013	6.39	14	U	-0.502	pCi/L
ZBG 8	7/21/10	CALIFORNIUM-249	RADA-013	5.36	11.3	U	1.5	pCi/L
ZBG 1	7/20/10	CALIFORNIUM-251	RADA-013	18.2	40.4	U	-4.21	pCi/L
ZBG 1	7/20/10	CALIFORNIUM-251	RADA-013	22.9	50.7	U	1.69	pCi/L
ZBG 2	7/21/10	CALIFORNIUM-251	RADA-013	20.8	47.4	U	-8.79	pCi/L
ZBG 3	7/21/10	CALIFORNIUM-251	RADA-013	22.6	49	U	7.21	pCi/L
ZBG 4	7/21/10	CALIFORNIUM-251	RADA-013	21.6	49.6	U	-2.94	pCi/L
ZBG 5	7/21/10	CALIFORNIUM-251	RADA-013	21.8	48.2	U	-8.59	pCi/L
ZBG 6	7/21/10	CALIFORNIUM-251	RADA-013	17.9	39.1	U	-0.0228	pCi/L
ZBG 7	7/21/10	CALIFORNIUM-251	RADA-013	18.6	41.6	U	-3.34	pCi/L
ZBG 8	7/21/10	CALIFORNIUM-251	RADA-013	19.5	42.3	U	2.57	pCi/L
ZBG 1	7/20/10	CERIUM-141	RADA-013	15	33.8	U	-4.7	pCi/L
ZBG 1	7/20/10	CERIUM-141	RADA-013	11.5	24.3	U	4.46	pCi/L
ZBG 2	7/21/10	CERIUM-141	RADA-013	14.7	32.3	U	2	pCi/L
ZBG 3	7/21/10	CERIUM-141	RADA-013	12.6	27.9	U	-0.479	pCi/L
ZBG 4	7/21/10	CERIUM-141	RADA-013	13.7	32.3	U	-10	pCi/L
ZBG 5	7/21/10	CERIUM-141	RADA-013	13.6	30.6	U	-2.36	pCi/L
ZBG 6	7/21/10	CERIUM-141	RADA-013	11.5	26	U	-2.74	pCi/L
ZBG 7	7/21/10	CERIUM-141	RADA-013	11.1	26.6	U	-11.8	pCi/L
ZBG 8	7/21/10	CERIUM-141	RADA-013	11.4	25.2	U	-2.18	pCi/L
ZBG 1	7/20/10	CERIUM-144	RADA-013	26.9	58.5	U	-1.16	pCi/L
ZBG 1	7/20/10	CERIUM-144	RADA-013	36.4	80	U	3.84	pCi/L
ZBG 2	7/21/10	CERIUM-144	RADA-013	35.9	80.7	U	-10.8	pCi/L
ZBG 3	7/21/10	CERIUM-144	RADA-013	30.2	69.2	U	-15.5	pCi/L
ZBG 4	7/21/10	CERIUM-144	RADA-013	35	76.6	U	0.379	pCi/L
ZBG 5	7/21/10	CERIUM-144	RADA-013	38	82	U	18.9	pCi/L
ZBG 6	7/21/10	CERIUM-144	RADA-013	28.5	62.7	U	-4.75	pCi/L
ZBG 7	7/21/10	CERIUM-144	RADA-013	29	63.4	U	0.0856	pCi/L
ZBG 8	7/21/10	CERIUM-144	RADA-013	30.2	67	U	-8.78	pCi/L
ZBG 6	3/1/10	CESIUM-134	L3.21-10021	6.43	15.40	U	-1.41	pCi/L
ZBG 7	3/1/10	CESIUM-134	L3.21-10021	6.94	15.28	U	-1.11	pCi/L
ZBG 8	3/1/10	CESIUM-134	L3.21-10021	6.13	15.21	U	-3.57	pCi/L
ZBG 1	4/26/10	CESIUM-134	L3.21-10021	8.88	20	U	2.09	pCi/L
ZBG 2	4/26/10	CESIUM-134	L3.21-10021	9.21	20.2	U	4.65	pCi/L
ZBG 3	4/26/10	CESIUM-134	L3.21-10021	8.22	20	U	-4.83	pCi/L
ZBG 4	4/26/10	CESIUM-134	L3.21-10021	8.75	19.6	U	2.22	pCi/L
ZBG 4	4/26/10	CESIUM-134	L3.21-10021	8.94	20.2	U	4.09	pCi/L
ZBG 5	4/26/10	CESIUM-134	L3.21-10021	8.75	19.62	U	2.22	pCi/L
ZBG 1	7/20/10	CESIUM-134	RADA-013	4.05	10.1	U	-3.11	pCi/L
ZBG 1	7/20/10	CESIUM-134	RADA-013	5.87	13.3	U	-1.78	pCi/L
ZBG 2	7/21/10	CESIUM-134	RADA-013	5.91	13	U	-0.521	pCi/L
ZBG 3	7/21/10	CESIUM-134	RADA-013	5.6	12.8	U	-1.18	pCi/L

WELL	DATE	ANALYTE_NAME	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 4	7/21/10	CESIUM-134	RADA-013	6.23	13.3	U	1.26	pCi/L
ZBG 5	7/21/10	CESIUM-134	RADA-013	5.34	10.9	U	2.13	pCi/L
ZBG 6	7/21/10	CESIUM-134	RADA-013	4.55	10.9	U	-3.22	pCi/L
ZBG 7	7/21/10	CESIUM-134	RADA-013	7.01	15.2	U	0.00712	pCi/L
ZBG 8	7/21/10	CESIUM-134	RADA-013	4.94	10.6	U	0.749	pCi/L
ZBG 6	3/1/10	CESIUM-137	L3.21-10021	6.49	13.84	U	-1.21	pCi/L
ZBG 7	3/1/10	CESIUM-137	L3.21-10021	7.21	15.06	U	0.79	pCi/L
ZBG 8	3/1/10	CESIUM-137	L3.21-10021	8.35	17.33	U	2.54	pCi/L
ZBG 1	4/26/10	CESIUM-137	L3.21-10021	9.03	18.9	U	1.43	pCi/L
ZBG 2	4/26/10	CESIUM-137	L3.21-10021	8.43	19.2	U	-7.14	pCi/L
ZBG 3	4/26/10	CESIUM-137	L3.21-10021	9.23	20.4	U	-4.21	pCi/L
ZBG 4	4/26/10	CESIUM-137	L3.21-10021	8.37	18.4	U	-3.22	pCi/L
ZBG 4	4/26/10	CESIUM-137	L3.21-10021	8.84	19.2	U	-2.54	pCi/L
ZBG 5	4/26/10	CESIUM-137	L3.21-10021	8.84	19.23	U	-2.54	pCi/L
ZBG 1	7/20/10	CESIUM-137	RADA-013	6.87	15.2	U	-5.3	pCi/L
ZBG 1	7/20/10	CESIUM-137	RADA-013	5.46	11.5	U	1.71	pCi/L
ZBG 2	7/21/10	CESIUM-137	RADA-013	5.04	10.9	U	0.113	pCi/L
ZBG 3	7/21/10	CESIUM-137	RADA-013	5.13	10.3	U	3.58	pCi/L
ZBG 4	7/21/10	CESIUM-137	RADA-013	5.1	11.1	U	0.0269	pCi/L
ZBG 5	7/21/10	CESIUM-137	RADA-013	5.29	11	U	1.94	pCi/L
ZBG 6	7/21/10	CESIUM-137	RADA-013	3.82	8.38	U	0.166	pCi/L
ZBG 7	7/21/10	CESIUM-137	RADA-013	5.89	12.9	U	0.655	pCi/L
ZBG 8	7/21/10	CESIUM-137	RADA-013	4.56	9.84	U	0.56	pCi/L
ZBG 1	7/20/10	COBALT-57	RADA-013	3.37	7.23	U	0.319	pCi/L
ZBG 1	7/20/10	COBALT-57	RADA-013	5.01	10.9	U	1.31	pCi/L
ZBG 2	7/21/10	COBALT-57	RADA-013	4.93	11	U	-1.14	pCi/L
ZBG 3	7/21/10	COBALT-57	RADA-013	4.17	9.23	U	-0.244	pCi/L
ZBG 4	7/21/10	COBALT-57	RADA-013	4.58	10.1	U	-0.96	pCi/L
ZBG 5	7/21/10	COBALT-57	RADA-013	4.9	10.6	U	1.59	pCi/L
ZBG 6	7/21/10	COBALT-57	RADA-013	4.41	9.39	U	1.44	pCi/L
ZBG 7	7/21/10	COBALT-57	RADA-013	3.93	8.37	U	1.42	pCi/L
ZBG 8	7/21/10	COBALT-57	RADA-013	3.99	8.73	U	-0.237	pCi/L
ZBG 1	7/20/10	COBALT-58	RADA-013	5.26	11.5	U	0.0435	pCi/L
ZBG 1	7/20/10	COBALT-58	RADA-013	5.6	11.7	U	1.8	pCi/L
ZBG 2	7/21/10	COBALT-58	RADA-013	4.79	11.4	U	-3.2	pCi/L
ZBG 3	7/21/10	COBALT-58	RADA-013	6.53	13.9	U	1.99	pCi/L
ZBG 4	7/21/10	COBALT-58	RADA-013	6.94	14.4	U	3.14	pCi/L
ZBG 5	7/21/10	COBALT-58	RADA-013	5.72	13.2	U	-1.53	pCi/L
ZBG 6	7/21/10	COBALT-58	RADA-013	5.33	12.2	U	-2.23	pCi/L
ZBG 7	7/21/10	COBALT-58	RADA-013	7.79	16.4	U	1.83	pCi/L
ZBG 8	7/21/10	COBALT-58	RADA-013	4.97	11.6	U	-1.87	pCi/L
ZBG 6	3/1/10	COBALT-60	L3.21-10021	7.34	15.83	U	-1.16	pCi/L
ZBG 7	3/1/10	COBALT-60	L3.21-10021	8.64	17.09	U	6.03	pCi/L
ZBG 8	3/1/10	COBALT-60	L3.21-10021	6.96	14.98	U	-1.01	pCi/L
ZBG 1	4/26/10	COBALT-60	L3.21-10021	7.86	15.8	U	1.27	pCi/L
ZBG 2	4/26/10	COBALT-60	L3.21-10021	8.37	18.2	U	-3.15	pCi/L
ZBG 3	4/26/10	COBALT-60	L3.21-10021	8.4	18.3	U	-3.1	pCi/L
ZBG 4	4/26/10	COBALT-60	L3.21-10021	8.46	17	U	1.84	pCi/L
ZBG 4	4/26/10	COBALT-60	L3.21-10021	10	19.8	U	5.16	pCi/L
ZBG 5	4/26/10	COBALT-60	L3.21-10021	8.46	17.03	U	1.84	pCi/L
ZBG 1	7/20/10	COBALT-60	RADA-013	3.72	8.88	U	-1.94	pCi/L

WELL	DATE	ANALYTE_NAME	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 1	7/20/10	COBALT-60	RADA-013	6.03	13.1	U	0.294	pCi/L
ZBG 2	7/21/10	COBALT-60	RADA-013	4.55	10.2	U	-0.76	pCi/L
ZBG 3	7/21/10	COBALT-60	RADA-013	3.92	9.5	U	-2	pCi/L
ZBG 4	7/21/10	COBALT-60	RADA-013	4.09	10.8	U	-3.84	pCi/L
ZBG 5	7/21/10	COBALT-60	RADA-013	5.79	12.8	U	-0.0879	pCi/L
ZBG 6	7/21/10	COBALT-60	RADA-013	4.66	10.4	U	-0.147	pCi/L
ZBG 7	7/21/10	COBALT-60	RADA-013	6.8	14.3	U	1.1	pCi/L
ZBG 8	7/21/10	COBALT-60	RADA-013	5.13	10.9	U	0.903	pCi/L
ZBG 7	3/1/10	DEPTH_TO_WATER					81.6	ft
ZBG 8	3/1/10	DEPTH_TO_WATER					57	ft
ZBG 1	4/26/10	DEPTH_TO_WATER					68	ft
ZBG 1A	4/26/10	DEPTH_TO_WATER					14.2	ft
ZBG 2	4/26/10	DEPTH_TO_WATER					62	ft
ZBG 3	4/26/10	DEPTH_TO_WATER					54	ft
ZBG 4	4/26/10	DEPTH_TO_WATER					56	ft
ZBG 5	4/26/10	DEPTH_TO_WATER					62.1	ft
ZBG 2	7/21/10	DEPTH_TO_WATER					60	ft
ZBG 3	7/21/10	DEPTH_TO_WATER					54.9	ft
ZBG 4	7/21/10	DEPTH_TO_WATER					54	ft
ZBG 5	7/21/10	DEPTH_TO_WATER					61	ft
ZBG 6	3/1/10	EUROPIUM-152	L3.21-10021	18.84	42.75	U	-13.82	pCi/L
ZBG 7	3/1/10	EUROPIUM-152	L3.21-10021	20.31	44.58	U	4.05	pCi/L
ZBG 8	3/1/10	EUROPIUM-152	L3.21-10021	19.21	43.05	U	-7.77	pCi/L
ZBG 1	4/26/10	EUROPIUM-152	L3.21-10021	24.6	55.3	U	-9.19	pCi/L
ZBG 2	4/26/10	EUROPIUM-152	L3.21-10021	28.7	63.8	U	-0.466	pCi/L
ZBG 3	4/26/10	EUROPIUM-152	L3.21-10021	27	59.6	U	3.71	pCi/L
ZBG 4	4/26/10	EUROPIUM-152	L3.21-10021	25.9	58.9	U	-16	pCi/L
ZBG 4	4/26/10	EUROPIUM-152	L3.21-10021	25.7	56	U	10.1	pCi/L
ZBG 5	4/26/10	EUROPIUM-152	L3.21-10021	25.65	56.04	U	10.12	pCi/L
ZBG 1	7/20/10	EUROPIUM-152	RADA-013	12.5	27.1	U	-0.52	pCi/L
ZBG 1	7/20/10	EUROPIUM-152	RADA-013	15.5	32.9	U	6.18	pCi/L
ZBG 2	7/21/10	EUROPIUM-152	RADA-013	15	32.6	U	0.805	pCi/L
ZBG 3	7/21/10	EUROPIUM-152	RADA-013	12.1	27.2	U	-4.65	pCi/L
ZBG 4	7/21/10	EUROPIUM-152	RADA-013	16.9	36	U	5.89	pCi/L
ZBG 5	7/21/10	EUROPIUM-152	RADA-013	15.4	33.8	U	0.28	pCi/L
ZBG 6	7/21/10	EUROPIUM-152	RADA-013	11.4	25.5	U	-4.75	pCi/L
ZBG 7	7/21/10	EUROPIUM-152	RADA-013	15.6	33	U	4.04	pCi/L
ZBG 8	7/21/10	EUROPIUM-152	RADA-013	12.5	27.6	U	1.01	pCi/L
ZBG 6	3/1/10	EUROPIUM-154	L3.21-10021	13.70	30.35	U	-1.12	pCi/L
ZBG 7	3/1/10	EUROPIUM-154	L3.21-10021	14.65	32.00	U	5.55	pCi/L
ZBG 8	3/1/10	EUROPIUM-154	L3.21-10021	13.83	30.85	U	-3.81	pCi/L
ZBG 1	4/26/10	EUROPIUM-154	L3.21-10021	17.8	39.3	U	2.12	pCi/L
ZBG 2	4/26/10	EUROPIUM-154	L3.21-10021	20.3	44.4	U	8.78	pCi/L
ZBG 3	4/26/10	EUROPIUM-154	L3.21-10021	19	42.2	U	-1.35	pCi/L
ZBG 4	4/26/10	EUROPIUM-154	L3.21-10021	17.7	39.7	U	-3.88	pCi/L
ZBG 4	4/26/10	EUROPIUM-154	L3.21-10021	18.4	40.9	U	-1.31	pCi/L
ZBG 5	4/26/10	EUROPIUM-154	L3.21-10021	17.75	39.72	U	-3.88	pCi/L
ZBG 1	7/20/10	EUROPIUM-154	RADA-013	9.12	24.1	U	-10	pCi/L
ZBG 1	7/20/10	EUROPIUM-154	RADA-013	11.1	25.6	U	-2.88	pCi/L
ZBG 2	7/21/10	EUROPIUM-154	RADA-013	11	26	U	-5.65	pCi/L
ZBG 3	7/21/10	EUROPIUM-154	RADA-013	15.5	34.6	U	-1.93	pCi/L

WELL	DATE	ANALYTE_NAME	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 4	7/21/10	EUROPIUM-154	RADA-013	15.3	32.5	U	2.54	pCi/L
ZBG 5	7/21/10	EUROPIUM-154	RADA-013	18	37	U	6.2	pCi/L
ZBG 6	7/21/10	EUROPIUM-154	RADA-013	12.8	28.4	U	-0.269	pCi/L
ZBG 7	7/21/10	EUROPIUM-154	RADA-013	18.8	43.4	U	-3.93	pCi/L
ZBG 8	7/21/10	EUROPIUM-154	RADA-013	10.9	25.4	U	-3.53	pCi/L
ZBG 6	3/1/10	EUROPIUM-155	L3.21-10021	20.07	44.79	U	0.72	pCi/L
ZBG 7	3/1/10	EUROPIUM-155	L3.21-10021	19.68	44.57	U	-6.81	pCi/L
ZBG 8	3/1/10	EUROPIUM-155	L3.21-10021	19.39	44.08	U	-8.26	pCi/L
ZBG 1	4/26/10	EUROPIUM-155	L3.21-10021	31.1	68.7	U	-4.14	pCi/L
ZBG 2	4/26/10	EUROPIUM-155	L3.21-10021	40.5	94.6	R	43.7	pCi/L
ZBG 3	4/26/10	EUROPIUM-155	L3.21-10021	37.1	80.9	U	11.2	pCi/L
ZBG 4	4/26/10	EUROPIUM-155	L3.21-10021	31.5	70.2	U	-9.41	pCi/L
ZBG 4	4/26/10	EUROPIUM-155	L3.21-10021	35.9	77.9	U	17	pCi/L
ZBG 5	4/26/10	EUROPIUM-155	L3.21-10021	31.53	70.22	U	-9.41	pCi/L
ZBG 1	7/20/10	EUROPIUM-155	RADA-013	12.2	26.9	U	-4.55	pCi/L
ZBG 1	7/20/10	EUROPIUM-155	RADA-013	19.7	43.7	U	-2.33	pCi/L
ZBG 2	7/21/10	EUROPIUM-155	RADA-013	20.4	45	U	-0.731	pCi/L
ZBG 3	7/21/10	EUROPIUM-155	RADA-013	15.6	35.2	U	-5.84	pCi/L
ZBG 4	7/21/10	EUROPIUM-155	RADA-013	19.8	42.8	U	1.99	pCi/L
ZBG 5	7/21/10	EUROPIUM-155	RADA-013	18.9	42.1	U	-2.83	pCi/L
ZBG 6	7/21/10	EUROPIUM-155	RADA-013	16.9	35.6	U	6.96	pCi/L
ZBG 7	7/21/10	EUROPIUM-155	RADA-013	15	31.8	U	5.8	pCi/L
ZBG 8	7/21/10	EUROPIUM-155	RADA-013	17.4	37.2	U	4.17	pCi/L
ZBG 6	3/1/10	GROSS ALPHA	L3.21-10008	2.54	7.88	J	3.56	pCi/L
ZBG 7	3/1/10	GROSS ALPHA	L3.21-10008	2.55	3.33	U	-0.387	pCi/L
ZBG 8	3/1/10	GROSS ALPHA	L3.21-10008	2.56	5.72	U	0.939	pCi/L
ZBG 1	4/26/10	GROSS ALPHA	L3.21-10008	2.44	4.3	U	0.145	pCi/L
ZBG 2	4/26/10	GROSS ALPHA	L3.21-10008	2.44	6.5	U	1.95	pCi/L
ZBG 3	4/26/10	GROSS ALPHA	L3.21-10008	2.44	2.9	U	-0.304	pCi/L
ZBG 4	4/26/10	GROSS ALPHA	L3.21-10008	2.45	7.27	J	2.87	pCi/L
ZBG 5	4/26/10	GROSS ALPHA	L3.21-10008	2.54	5.83	U	1.09	pCi/L
ZBG 1	7/20/10	GROSS ALPHA	RADA-001	1.92	5.86	J	4.1	pCi/L
ZBG 2	7/21/10	GROSS ALPHA	RADA-001	1.53	4.09	J	1.8	pCi/L
ZBG 3	7/21/10	GROSS ALPHA	RADA-001	1.53	4.01	J	1.67	pCi/L
ZBG 4	7/21/10	GROSS ALPHA	RADA-001	1.59	4.09	J	1.71	pCi/L
ZBG 5	7/21/10	GROSS ALPHA	RADA-001	2.57	5.07	U	0.241	pCi/L
ZBG 5	7/21/10	GROSS ALPHA	RADA-001	1.3	2.64	U	0.343	pCi/L
ZBG 6	7/21/10	GROSS ALPHA	RADA-001	1.42	4.1	J	2.25	pCi/L
ZBG 7	7/21/10	GROSS ALPHA	RADA-001	2.35	4.63	U	0.22	pCi/L
ZBG 8	7/21/10	GROSS ALPHA	RADA-001	1.45	4.61	J	3.05	pCi/L
ZBG 6	3/1/10	IODINE-129	L3.21-10021	0.742	1.56	U	0.183	pCi/L
ZBG 7	3/1/10	IODINE-129	L3.21-10021	0.757	1.6	U	0.132	pCi/L
ZBG 8	3/1/10	IODINE-129	L3.21-10021	0.79	1.82	U	0.167	pCi/L
ZBG 1	4/26/10	IODINE-129	L3.21-10021	0.544	1.18	U	-0.0993	pCi/L
ZBG 2	4/26/10	IODINE-129	L3.21-10021	0.561	1.27	U	-0.21	pCi/L
ZBG 2	4/26/10	IODINE-129	L3.21-10021	0.559	1.18	U	0.179	pCi/L
ZBG 3	4/26/10	IODINE-129	L3.21-10021	0.562	1.2	U	0.0684	pCi/L
ZBG 4	4/26/10	IODINE-129	L3.21-10021	0.568	1.25	U	0.187	pCi/L
ZBG 5	4/26/10	IODINE-129	L3.21-10021	0.551	1.33	U	-0.0996	pCi/L
ZBG 1	7/20/10	IODINE-129	RADA-006	0.692	1.58	U	-0.109	pCi/L
ZBG 1	7/20/10	IODINE-129	RADA-006	0.904	1.89	U	0.316	pCi/L

WELL	DATE	ANALYTE_NAME	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 2	7/21/10	IODINE-129	RADA-006	0.235	0.515	U	-0.0106	pCi/L
ZBG 3	7/21/10	IODINE-129	RADA-006	0.778	1.56	U	0.331	pCi/L
ZBG 4	7/21/10	IODINE-129	RADA-006	0.927	1.85	U	0.396	pCi/L
ZBG 5	7/21/10	IODINE-129	RADA-006	0.766	1.63	U	0.179	pCi/L
ZBG 6	7/21/10	IODINE-129	RADA-006	0.602	1.24	U	0.116	pCi/L
ZBG 7	7/21/10	IODINE-129	RADA-006	0.763	1.62	U	0.174	pCi/L
ZBG 8	7/21/10	IODINE-129	RADA-006	0.922	2.1	U	-0.119	pCi/L
ZBG 1	7/20/10	LEAD-212	RADA-013	12.3	25.9	U	-1.34	pCi/L
ZBG 1	7/20/10	LEAD-212	RADA-013	10.1	22.1	U	3.93	pCi/L
ZBG 2	7/21/10	LEAD-212	RADA-013	11.6	24.7	U	-4.12	pCi/L
ZBG 3	7/21/10	LEAD-212	RADA-013	9.98	22.7	U	-1.32	pCi/L
ZBG 4	7/21/10	LEAD-212	RADA-013	10.4	23.1	U	-2.09	pCi/L
ZBG 5	7/21/10	LEAD-212	RADA-013	11.4	26.3	U	-4.29	pCi/L
ZBG 6	7/21/10	LEAD-212	RADA-013	9.74	22	U	6.19	pCi/L
ZBG 7	7/21/10	LEAD-212	RADA-013	11.1	24.4	U	-0.636	pCi/L
ZBG 8	7/21/10	LEAD-212	RADA-013	8.27	18.8	U	-1.94	pCi/L
ZBG 6	3/1/10	LEAD-214	L3.21-10021	20.04	47.92	U	18.37	pCi/L
ZBG 7	3/1/10	LEAD-214	L3.21-10021	18.08	38.99	U	9.43	pCi/L
ZBG 8	3/1/10	LEAD-214	L3.21-10021	18.04	39.92	U	-1.93	pCi/L
ZBG 1	4/26/10	LEAD-214	L3.21-10021	18.2	53.1		61.7	pCi/L
ZBG 2	4/26/10	LEAD-214	L3.21-10021	20.8	74.4		273	pCi/L
ZBG 3	4/26/10	LEAD-214	L3.21-10021	19.8	66.5		190	pCi/L
ZBG 4	4/26/10	LEAD-214	L3.21-10021	19.4	60.6	J	55.1	pCi/L
ZBG 4	4/26/10	LEAD-214	L3.21-10021	18.2	59.1		125	pCi/L
ZBG 5	4/26/10	LEAD-214	L3.21-10021	19.44	60.60	J	55.10	pCi/L
ZBG 1	7/20/10	MANGANESE-54	RADA-013	4.92	10.8	U	-0.239	pCi/L
ZBG 1	7/20/10	MANGANESE-54	RADA-013	5.13	10.7	U	2.21	pCi/L
ZBG 2	7/21/10	MANGANESE-54	RADA-013	4.51	10.2	U	-1.28	pCi/L
ZBG 3	7/21/10	MANGANESE-54	RADA-013	4.04	9.18	U	-0.599	pCi/L
ZBG 4	7/21/10	MANGANESE-54	RADA-013	5.73	12.7	U	-0.0358	pCi/L
ZBG 5	7/21/10	MANGANESE-54	RADA-013	4.01	10.2	U	-3.34	pCi/L
ZBG 6	7/21/10	MANGANESE-54	RADA-013	3.71	8.39	U	-1.02	pCi/L
ZBG 7	7/21/10	MANGANESE-54	RADA-013	6.81	14	U	2.67	pCi/L
ZBG 8	7/21/10	MANGANESE-54	RADA-013	4.08	10.7	U	-3.31	pCi/L
ZBG 1	7/20/10	NEPTUNIUM-239	RADA-013	49.8	110	U	-4.53	pCi/L
ZBG 1	7/20/10	NEPTUNIUM-239	RADA-013	33.8	72.8	U	1.08	pCi/L
ZBG 2	7/21/10	NEPTUNIUM-239	RADA-013	53.6	117	U	6.56	pCi/L
ZBG 3	7/21/10	NEPTUNIUM-239	RADA-013	45.1	100	U	-8.26	pCi/L
ZBG 4	7/21/10	NEPTUNIUM-239	RADA-013	48.8	105	U	9.47	pCi/L
ZBG 5	7/21/10	NEPTUNIUM-239	RADA-013	50.6	109	U	21.2	pCi/L
ZBG 6	7/21/10	NEPTUNIUM-239	RADA-013	38.7	85.5	U	-11.9	pCi/L
ZBG 7	7/21/10	NEPTUNIUM-239	RADA-013	38.7	82.5	U	13.2	pCi/L
ZBG 8	7/21/10	NEPTUNIUM-239	RADA-013	41.2	91.2	U	-11.6	pCi/L
ZBG 1	7/20/10	NIOBIUM-94	RADA-013	3.57	8.21	U	-1.45	pCi/L
ZBG 1	7/20/10	NIOBIUM-94	RADA-013	4.27	9.03	U	1.06	pCi/L
ZBG 2	7/21/10	NIOBIUM-94	RADA-013	4.43	9.43	U	0.822	pCi/L
ZBG 3	7/21/10	NIOBIUM-94	RADA-013	4.61	10.3	U	-0.263	pCi/L
ZBG 4	7/21/10	NIOBIUM-94	RADA-013	4.72	10.2	U	0.287	pCi/L
ZBG 5	7/21/10	NIOBIUM-94	RADA-013	4.86	10.8	U	-0.437	pCi/L
ZBG 6	7/21/10	NIOBIUM-94	RADA-013	4.42	9.62	U	0.6	pCi/L
ZBG 7	7/21/10	NIOBIUM-94	RADA-013	4.49	10	U	-0.923	pCi/L

WELL	DATE	ANALYTE_NAME	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 8	7/21/10	NIOBIUM-94 NITRATE-NITRITE AS	RADA-013	4.89	10.3	U	1.63	pCi/L
ZBG 6	3/1/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.605	mg/L
ZBG 7	3/1/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		1.02	mg/L
ZBG 8	3/1/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.1	0.5		0.803	mg/L
ZBG 1	4/26/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		1.46	mg/L
ZBG 2	4/26/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.575	mg/L
ZBG 3	4/26/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.935	mg/L
ZBG 4	4/26/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.755	mg/L
ZBG 5	4/26/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.41	mg/L
ZBG 1	7/20/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.84	mg/L
ZBG 1	7/20/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.845	mg/L
ZBG 2	7/21/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.51	mg/L
ZBG 3	7/21/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.79	mg/L
ZBG 4	7/21/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.62	mg/L
ZBG 5	7/21/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.373	mg/L
ZBG 6	7/21/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.449	mg/L
ZBG 7	7/21/10	NITROGEN NITRATE-NITRITE AS	EPA353.2	0.05	0.25		0.805	mg/L
ZBG 8	7/21/10	NITROGEN	EPA353.2	0.05	0.25		0.835	mg/L
ZBG 6	3/1/10	NONVOLATILE BETA	L3.21-10008	4.7	10.1	U	0.538	pCi/L
ZBG 7	3/1/10	NONVOLATILE BETA	L3.21-10008	4.23	9.84	U	2.47	pCi/L
ZBG 8	3/1/10	NONVOLATILE BETA	L3.21-10008	4.39	9.78	U	1.41	pCi/L
ZBG 1	4/26/10	NONVOLATILE BETA	L3.21-10008	4.07	10.4	J	5.34	pCi/L
ZBG 2	4/26/10	NONVOLATILE BETA	L3.21-10008	4.29	9.18	U	0.862	pCi/L
ZBG 3	4/26/10	NONVOLATILE BETA	L3.21-10008	4.02	8.25	U	0.0798	pCi/L
ZBG 4	4/26/10	NONVOLATILE BETA	L3.21-10008	4.4	9.82	U	1.94	pCi/L
ZBG 5	4/26/10	NONVOLATILE BETA	L3.21-10008	4.2	9.38	U	1.84	pCi/L
ZBG 1	7/20/10	NONVOLATILE BETA	RADA-001	2.63	6.79		7.62	pCi/L
ZBG 2	7/21/10	NONVOLATILE BETA	RADA-001	2.58	5.72	U	1.65	pCi/L
ZBG 3	7/21/10	NONVOLATILE BETA	RADA-001	2.59	5.49	U	0.436	pCi/L
ZBG 4	7/21/10	NONVOLATILE BETA	RADA-001	2.4	5.52	J	2.52	pCi/L
ZBG 5	7/21/10	NONVOLATILE BETA	RADA-001	2.2	4.76	U	0.849	pCi/L
ZBG 5	7/21/10	NONVOLATILE BETA	RADA-001	2.87	6.21	U	1.15	pCi/L
ZBG 6	7/21/10	NONVOLATILE BETA	RADA-001	2.38	5.22	U	1.24	pCi/L
ZBG 7	7/21/10	NONVOLATILE BETA	RADA-001	2.77	5.77	U	-0.0501	pCi/L
ZBG 8	7/21/10	NONVOLATILE BETA	RADA-001	2.3	5.74	J	4.83	pCi/L
ZBG 6	3/1/10	PH					4.4	pH
ZBG 7	3/1/10	PH					4.7	pH
ZBG 8	3/1/10	PH					5.3	pH
ZBG 1	4/26/10	PH					5.6	pH
ZBG 2	4/26/10	PH					5.8	pH
ZBG 3	4/26/10	PH					5.1	pH
ZBG 4	4/26/10	PH					4.7	pH
ZBG 5	4/26/10	PH					6.2	pH

WELL	DATE	ANALYTE_NAME	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 1	7/20/10	PH					5.3	pH
ZBG 2	7/21/10	PH					6.4	pH
ZBG 3	7/21/10	PH					5.4	pH
ZBG 4	7/21/10	PH					6	pH
ZBG 5	7/21/10	PH					6.6	pH
ZBG 6	7/21/10	PH					4.5	pH
ZBG 7	7/21/10	PH					4.4	pH
ZBG 8	7/21/10	PH					4	pH
ZBG 6	3/1/10	POTASSIUM-40	L3.21-10021	73.59	262.93	J	98.66	pCi/L
ZBG 7	3/1/10	POTASSIUM-40	L3.21-10021	60.98	243.29	J	99.04	pCi/L
ZBG 8	3/1/10	POTASSIUM-40	L3.21-10021	169.18	332.82	U	13.93	pCi/L
ZBG 1	4/26/10	POTASSIUM-40	L3.21-10021	194	384	U	13.9	pCi/L
ZBG 2	4/26/10	POTASSIUM-40	L3.21-10021	177	356	U	-28.4	pCi/L
ZBG 3	4/26/10	POTASSIUM-40	L3.21-10021	191	378	U	-2.21	pCi/L
ZBG 4	4/26/10	POTASSIUM-40	L3.21-10021	175	344	U	-22.1	pCi/L
ZBG 4	4/26/10	POTASSIUM-40	L3.21-10021	186	367	U	-7.95	pCi/L
ZBG 5	4/26/10	POTASSIUM-40	L3.21-10021	175.37	343.75	U	-22.14	pCi/L
ZBG 1	7/20/10	POTASSIUM-40	RADA-013	69.9	145	U	2.77	pCi/L
ZBG 1	7/20/10	POTASSIUM-40	RADA-013	78	160	U	17.3	pCi/L
ZBG 2	7/21/10	POTASSIUM-40	RADA-013	67.7	140	U	1.61	pCi/L
ZBG 3	7/21/10	POTASSIUM-40	RADA-013	61.6	134	U	-4.41	pCi/L
ZBG 4	7/21/10	POTASSIUM-40	RADA-013	80.2	174	U	-22.5	pCi/L
ZBG 5	7/21/10	POTASSIUM-40	RADA-013	80.9	175	U	11.5	pCi/L
ZBG 6	7/21/10	POTASSIUM-40	RADA-013	64.6	135	U	-4.35	pCi/L
ZBG 7	7/21/10	POTASSIUM-40	RADA-013	62.2	136	U	0.812	pCi/L
ZBG 8	7/21/10	POTASSIUM-40	RADA-013	58.6	127	U	-14.5	pCi/L
ZBG 1	7/20/10	PROMETHIUM-144	RADA-013	4.24	9.44	U	-0.921	pCi/L
ZBG 1	7/20/10	PROMETHIUM-144	RADA-013	5.37	11.7	U	-0.361	pCi/L
ZBG 2	7/21/10	PROMETHIUM-144	RADA-013	3.97	8.85	U	-0.837	pCi/L
ZBG 3	7/21/10	PROMETHIUM-144	RADA-013	4.71	10.6	U	-0.754	pCi/L
ZBG 4	7/21/10	PROMETHIUM-144	RADA-013	5.65	11.6	U	3.22	pCi/L
ZBG 5	7/21/10	PROMETHIUM-144	RADA-013	5.47	11.5	U	1.98	pCi/L
ZBG 6	7/21/10	PROMETHIUM-144	RADA-013	4.49	9.85	U	0.334	pCi/L
ZBG 7	7/21/10	PROMETHIUM-144	RADA-013	5.51	12	U	-0.473	pCi/L
ZBG 8	7/21/10	PROMETHIUM-144	RADA-013	5.46	11.4	U	2.58	pCi/L
ZBG 6	3/1/10	PROMETHIUM-146	L3.21-10021	9.52	19.92	U	5.22	pCi/L
ZBG 7	3/1/10	PROMETHIUM-146	L3.21-10021	9.46	20.25	U	1.83	pCi/L
ZBG 8	3/1/10	PROMETHIUM-146	L3.21-10021	8.34	18.70	U	-4.76	pCi/L
ZBG 1	4/26/10	PROMETHIUM-146	L3.21-10021	10.9	23.9	U	-0.979	pCi/L
ZBG 2	4/26/10	PROMETHIUM-146	L3.21-10021	12.7	27.2	U	3.62	pCi/L
ZBG 3	4/26/10	PROMETHIUM-146	L3.21-10021	11.1	25.7	U	1.33	pCi/L
ZBG 4	4/26/10	PROMETHIUM-146	L3.21-10021	11.4	25.4	U	-3.46	pCi/L
ZBG 4	4/26/10	PROMETHIUM-146	L3.21-10021	10.9	23.8	U	-0.867	pCi/L
ZBG 5	4/26/10	PROMETHIUM-146	L3.21-10021	10.87	23.80	U	-0.87	pCi/L
ZBG 1	7/20/10	PROMETHIUM-146	RADA-013	4.53	10.7	U	-2.56	pCi/L
ZBG 1	7/20/10	PROMETHIUM-146	RADA-013	7	15	U	2.52	pCi/L
ZBG 2	7/21/10	PROMETHIUM-146	RADA-013	5.86	13.5	U	-3.01	pCi/L
ZBG 3	7/21/10	PROMETHIUM-146	RADA-013	6.72	14.1	U	2.91	pCi/L
ZBG 4	7/21/10	PROMETHIUM-146	RADA-013	6.23	13.9	U	-0.565	pCi/L
ZBG 5	7/21/10	PROMETHIUM-146	RADA-013	6.49	13.8	U	2.26	pCi/L
ZBG 6	7/21/10	PROMETHIUM-146	RADA-013	5.33	11.8	U	-0.584	pCi/L

WELL	DATE	ANALYTE_NAME	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 7	7/21/10	PROMETHIUM-146	RADA-013	5.31	12.2	U	-1.81	pCi/L
ZBG 8	7/21/10	PROMETHIUM-146	RADA-013	5.5	12.1	U	-0.712	pCi/L
ZBG 1	7/20/10	PROTACTINIUM-233	RADA-013	8.18	17.7	U	-0.453	pCi/L
ZBG 1	7/20/10	PROTACTINIUM-233	RADA-013	10.7	22.4	U	5.83	pCi/L
ZBG 2	7/21/10	PROTACTINIUM-233	RADA-013	10.8	23.2	U	2.42	pCi/L
ZBG 3	7/21/10	PROTACTINIUM-233	RADA-013	8.63	19.4	U	-3.37	pCi/L
ZBG 4	7/21/10	PROTACTINIUM-233	RADA-013	10.5	22.9	U	-0.0574	pCi/L
ZBG 5	7/21/10	PROTACTINIUM-233	RADA-013	10.4	23.2	U	-2.08	pCi/L
ZBG 6	7/21/10	PROTACTINIUM-233	RADA-013	9.2	20.2	U	1.57	pCi/L
ZBG 7	7/21/10	PROTACTINIUM-233	RADA-013	9.97	20.9	U	3.3	pCi/L
ZBG 8	7/21/10	PROTACTINIUM-233	RADA-013	9.01	19.7	U	1.36	pCi/L
ZBG 1	7/20/10	RUTHENIUM-103	RADA-013	6.04	13.8	U	-2	pCi/L
ZBG 1	7/20/10	RUTHENIUM-103	RADA-013	7.77	16.9	U	1.13	pCi/L
ZBG 2	7/21/10	RUTHENIUM-103	RADA-013	7.16	15.9	U	-0.322	pCi/L
ZBG 3	7/21/10	RUTHENIUM-103	RADA-013	7.13	15.4	U	0.978	pCi/L
ZBG 4	7/21/10	RUTHENIUM-103	RADA-013	6.64	15.9	U	-4.29	pCi/L
ZBG 5	7/21/10	RUTHENIUM-103	RADA-013	7.64	15.7	U	3.57	pCi/L
ZBG 6	7/21/10	RUTHENIUM-103	RADA-013	6.19	13.6	U	-0.283	pCi/L
ZBG 7	7/21/10	RUTHENIUM-103	RADA-013	8.27	19	U	-3.02	pCi/L
ZBG 8	7/21/10	RUTHENIUM-103	RADA-013	6.96	15.2	U	-0.381	pCi/L
ZBG 1	7/20/10	RUTHENIUM-106	RADA-013	43.3	95.1	U	-6.06	pCi/L
ZBG 1	7/20/10	RUTHENIUM-106	RADA-013	48.1	106	U	1.62	pCi/L
ZBG 2	7/21/10	RUTHENIUM-106	RADA-013	45.1	96.3	U	5.94	pCi/L
ZBG 3	7/21/10	RUTHENIUM-106	RADA-013	49.3	107	U	8.36	pCi/L
ZBG 4	7/21/10	RUTHENIUM-106	RADA-013	55.3	120	U	1.38	pCi/L
ZBG 5	7/21/10	RUTHENIUM-106	RADA-013	48.4	107	U	-4.9	pCi/L
ZBG 6	7/21/10	RUTHENIUM-106	RADA-013	37.6	82.2	U	2.16	pCi/L
ZBG 7	7/21/10	RUTHENIUM-106	RADA-013	50.7	118	U	-16.1	pCi/L
ZBG 8	7/21/10	RUTHENIUM-106	RADA-013	41.4	93.2	U	-10.4	pCi/L
ZBG 6	3/1/10	SODIUM-22	L3.21-10021	7.19	14.41	U	2.68	pCi/L
ZBG 7	3/1/10	SODIUM-22	L3.21-10021	7.18	14.82	U	1.21	pCi/L
ZBG 8	3/1/10	SODIUM-22	L3.21-10021	7.14	15.65	U	-2.03	pCi/L
ZBG 1	4/26/10	SODIUM-22	L3.21-10021	10	19.9	U	3.91	pCi/L
ZBG 2	4/26/10	SODIUM-22	L3.21-10021	9.81	20.9	U	-1.47	pCi/L
ZBG 3	4/26/10	SODIUM-22	L3.21-10021	9.66	20.3	U	-0.392	pCi/L
ZBG 4	4/26/10	SODIUM-22	L3.21-10021	8.68	18.2	U	-0.362	pCi/L
ZBG 4	4/26/10	SODIUM-22	L3.21-10021	8.37	17.3	U	0.084	pCi/L
ZBG 5	4/26/10	SODIUM-22	L3.21-10021	8.68	18.15	U	-0.36	pCi/L
ZBG 1	7/20/10	SODIUM-22	RADA-013	3.19	8.47	U	-3.61	pCi/L
ZBG 1	7/20/10	SODIUM-22	RADA-013	3.94	9.08	U	-1.02	pCi/L
ZBG 2	7/21/10	SODIUM-22	RADA-013	3.93	9.27	U	-1.95	pCi/L
ZBG 3	7/21/10	SODIUM-22	RADA-013	5.48	12.2	U	-0.746	pCi/L
ZBG 4	7/21/10	SODIUM-22	RADA-013	5.42	11.5	U	0.9	pCi/L
ZBG 5	7/21/10	SODIUM-22	RADA-013	6.37	13.1	U	2.2	pCi/L
ZBG 6	7/21/10	SODIUM-22	RADA-013	4.59	10.2	U	-0.0378	pCi/L
ZBG 7	7/21/10	SODIUM-22	RADA-013	6.74	15.7	U	-1.78	pCi/L
ZBG 8	7/21/10	SODIUM-22	RADA-013	3.93	9.11	U	-1.19	pCi/L
ZBG 6	3/1/10	SPECIFIC CONDUCTANCE					15	us/cm
ZBG 7	3/1/10	SPECIFIC CONDUCTANCE					16	us/cm
ZBG 8	3/1/10	SPECIFIC CONDUCTANCE					18	us/cm
ZBG 1	4/26/10	SPECIFIC CONDUCTANCE					26	us/cm

WELL	DATE	ANALYTE_NAME	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 2	4/26/10	SPECIFIC CONDUCTANCE					19	us/cm
ZBG 3	4/26/10	SPECIFIC CONDUCTANCE					21	us/cm
ZBG 4	4/26/10	SPECIFIC CONDUCTANCE					33	us/cm
ZBG 5	4/26/10	SPECIFIC CONDUCTANCE					106	us/cm
ZBG 1	7/20/10	SPECIFIC CONDUCTANCE					21	us/cm
ZBG 2	7/21/10	SPECIFIC CONDUCTANCE					18	us/cm
ZBG 3	7/21/10	SPECIFIC CONDUCTANCE					20	us/cm
ZBG 4	7/21/10	SPECIFIC CONDUCTANCE					29	us/cm
ZBG 5	7/21/10	SPECIFIC CONDUCTANCE					101	us/cm
ZBG 6	7/21/10	SPECIFIC CONDUCTANCE					15	us/cm
ZBG 7	7/21/10	SPECIFIC CONDUCTANCE					16	us/cm
ZBG 8	7/21/10	SPECIFIC CONDUCTANCE					16	us/cm
ZBG 6	3/1/10	THALLIUM-208	L3.21-10021	8.85	19.19	U	0.35	pCi/L
ZBG 7	3/1/10	THALLIUM-208	L3.21-10021	8.97	19.19	U	2.40	pCi/L
ZBG 8	3/1/10	THALLIUM-208	L3.21-10021	8.53	18.14	U	2.52	pCi/L
ZBG 1	4/26/10	THALLIUM-208	L3.21-10021	10.4	22.7	U	-2.22	pCi/L
ZBG 2	4/26/10	THALLIUM-208	L3.21-10021	11	24.6	U	-6.2	pCi/L
ZBG 3	4/26/10	THALLIUM-208	L3.21-10021	11.4	24.6	U	0.944	pCi/L
ZBG 4	4/26/10	THALLIUM-208	L3.21-10021	10.1	22.7	U	-5.57	pCi/L
ZBG 4	4/26/10	THALLIUM-208	L3.21-10021	9.91	22.4	U	-5.24	pCi/L
ZBG 5	4/26/10	THALLIUM-208	L3.21-10021	9.91	22.36	U	-5.24	pCi/L
ZBG 1	7/20/10	THALLIUM-208	RADA-013	5.78	13	U	-2.79	pCi/L
ZBG 1	7/20/10	THALLIUM-208	RADA-013	6.21	13.6	U	1.44	pCi/L
ZBG 2	7/21/10	THALLIUM-208	RADA-013	4.63	14.2	J	6.65	pCi/L
ZBG 3	7/21/10	THALLIUM-208	RADA-013	5.76	13	U	-0.995	pCi/L
ZBG 4	7/21/10	THALLIUM-208	RADA-013	6.54	14	U	1.5	pCi/L
ZBG 5	7/21/10	THALLIUM-208	RADA-013	6.99	14.5	U	1.92	pCi/L
ZBG 6	7/21/10	THALLIUM-208	RADA-013	5.47	11.6	U	0.858	pCi/L
ZBG 7	7/21/10	THALLIUM-208	RADA-013	6.28	14.3	U	-1.08	pCi/L
ZBG 8	7/21/10	THALLIUM-208	RADA-013	4.86	11.1	U	-1.53	pCi/L
ZBG 1	7/20/10	TIN-113	RADA-013	5.35	11.7	U	-0.338	pCi/L
ZBG 1	7/20/10	TIN-113	RADA-013	6.72	14.8	U	-0.24	pCi/L
ZBG 2	7/21/10	TIN-113	RADA-013	7.11	15.9	U	-1.9	pCi/L
ZBG 3	7/21/10	TIN-113	RADA-013	5.86	13.6	U	-3.76	pCi/L
ZBG 4	7/21/10	TIN-113	RADA-013	7.28	16.4	U	-2.04	pCi/L
ZBG 5	7/21/10	TIN-113	RADA-013	7.21	16.3	U	-1.37	pCi/L
ZBG 6	7/21/10	TIN-113	RADA-013	6.06	12.9	U	1.03	pCi/L
ZBG 7	7/21/10	TIN-113	RADA-013	7.84	16.7	U	1.66	pCi/L
ZBG 8	7/21/10	TIN-113	RADA-013	7.01	14.7	U	2.36	pCi/L
ZBG 1	7/20/10	TIN-126	RADA-013	14.8	32.6	U	-1.07	pCi/L
ZBG 1	7/20/10	TIN-126	RADA-013	8	17.2	U	5.8	pCi/L
ZBG 2	7/21/10	TIN-126	RADA-013	14.3	31	U	3.63	pCi/L
ZBG 3	7/21/10	TIN-126	RADA-013	11.5	25.9	U	-5.31	pCi/L
ZBG 4	7/21/10	TIN-126	RADA-013	12.8	27.9	U	-1.99	pCi/L
ZBG 5	7/21/10	TIN-126	RADA-013	13.1	28.6	U	1.55	pCi/L
ZBG 6	7/21/10	TIN-126	RADA-013	10.3	23.1	U	-3.97	pCi/L
ZBG 7	7/21/10	TIN-126	RADA-013	8.81	19.7	U	-2.33	pCi/L
ZBG 8	7/21/10	TIN-126	RADA-013	11.5	26.3	U	2.62	pCi/L
ZBG 6	3/1/10	TRITIUM	L3.21-10015	525	1450		3510	pCi/L
ZBG 7	3/1/10	TRITIUM	L3.21-10015	524	1430		3350	pCi/L
ZBG 8	3/1/10	TRITIUM	L3.21-10015	524	1420		3190	pCi/L

WELL	DATE	ANALYTE_NAME	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 1	4/26/10	TRITIUM	RADA-002	515	1363		2520	pCi/L
ZBG 2	4/26/10	TRITIUM	RADA-002	515	1295		1740	pCi/L
ZBG 3	4/26/10	TRITIUM	RADA-002	513	1385		2820	pCi/L
ZBG 4	4/26/10	TRITIUM	RADA-002	534	1330		1740	pCi/L
ZBG 5	4/26/10	TRITIUM	RADA-002	535	1283	J	1220	pCi/L
ZBG 1	7/20/10	TRITIUM	RADA-002	549	1480		2450	pCi/L
ZBG 1	7/20/10	TRITIUM	RADA-002	548	1480		2530	pCi/L
ZBG 2	7/21/10	TRITIUM	RADA-002	567	1440		1720	pCi/L
ZBG 3	7/21/10	TRITIUM	RADA-002	548	1450		2250	pCi/L
ZBG 4	7/21/10	TRITIUM	RADA-002	549	1310	J	1020	pCi/L
ZBG 5	7/21/10	TRITIUM	RADA-002	561	1310	J	835	pCi/L
ZBG 6	7/21/10	TRITIUM	RADA-002	548	1640		4120	pCi/L
ZBG 7	7/21/10	TRITIUM	RADA-002	551	1610		3700	pCi/L
ZBG 8	7/21/10	TRITIUM	RADA-002	550	1560		3160	pCi/L
ZBG 6	3/1/10	TURBIDITY					0.9	NTU
ZBG 7	3/1/10	TURBIDITY					2.5	NTU
ZBG 8	3/1/10	TURBIDITY					6	NTU
ZBG 1	4/26/10	TURBIDITY					2.1	NTU
ZBG 2	4/26/10	TURBIDITY					9.4	NTU
ZBG 3	4/26/10	TURBIDITY					3.3	NTU
ZBG 4	4/26/10	TURBIDITY					5.1	NTU
ZBG 5	4/26/10	TURBIDITY					33	NTU
ZBG 1	7/20/10	TURBIDITY					5.4	NTU
ZBG 2	7/21/10	TURBIDITY					15.4	NTU
ZBG 3	7/21/10	TURBIDITY					0.9	NTU
ZBG 4	7/21/10	TURBIDITY					8.7	NTU
ZBG 5	7/21/10	TURBIDITY					21.5	NTU
ZBG 6	7/21/10	TURBIDITY					3.4	NTU
ZBG 7	7/21/10	TURBIDITY					7.6	NTU
ZBG 8	7/21/10	TURBIDITY					9.4	NTU
ZBG 6	3/1/10	WATER TEMPERATURE					20	degC
ZBG 7	3/1/10	WATER TEMPERATURE					20.2	degC
ZBG 8	3/1/10	WATER TEMPERATURE					19.7	degC
ZBG 1	4/26/10	WATER TEMPERATURE					23.7	degC
ZBG 2	4/26/10	WATER TEMPERATURE					27.6	degC
ZBG 3	4/26/10	WATER TEMPERATURE					22.6	degC
ZBG 4	4/26/10	WATER TEMPERATURE					22.5	degC
ZBG 5	4/26/10	WATER TEMPERATURE					22.7	degC
ZBG 1	7/20/10	WATER TEMPERATURE					22.3	degC
ZBG 2	7/21/10	WATER TEMPERATURE					21.4	degC
ZBG 3	7/21/10	WATER TEMPERATURE					22.3	degC
ZBG 4	7/21/10	WATER TEMPERATURE					24	degC
ZBG 5	7/21/10	WATER TEMPERATURE					22.1	degC
ZBG 6	7/21/10	WATER TEMPERATURE					21.4	degC
ZBG 7	7/21/10	WATER					21.6	degC

WELL	DATE	ANALYTE_NAME TEMPERATURE	METHOD	MDL	PQL	LAB QUALIFIER	RESULT	UNITS
ZBG 8	7/21/10	WATER TEMPERATURE					21.8	degC
ZBG 1	7/20/10	YTTRIUM-88	RADA-013	6.59	15.2	U	-1.87	pCi/L
ZBG 1	7/20/10	YTTRIUM-88	RADA-013	5.44	12	U	-0.113	pCi/L
ZBG 2	7/21/10	YTTRIUM-88	RADA-013	6.33	13.1	U	1.97	pCi/L
ZBG 3	7/21/10	YTTRIUM-88	RADA-013	2.99	7.97	U	-1.53	pCi/L
ZBG 4	7/21/10	YTTRIUM-88	RADA-013	6.68	14.2	U	0.934	pCi/L
ZBG 5	7/21/10	YTTRIUM-88	RADA-013	9.32	19.2	U	2.97	pCi/L
ZBG 6	7/21/10	YTTRIUM-88	RADA-013	4.92	10.8	U	-0.0158	pCi/L
ZBG 7	7/21/10	YTTRIUM-88	RADA-013	10	21.1	U	1.87	pCi/L
ZBG 8	7/21/10	YTTRIUM-88	RADA-013	6	14.4	U	-2.57	pCi/L
ZBG 1	7/20/10	ZINC-65	RADA-013	9.72	22.4	U	-2.77	pCi/L
ZBG 1	7/20/10	ZINC-65	RADA-013	9.56	20.9	U	0.601	pCi/L
ZBG 2	7/21/10	ZINC-65	RADA-013	8.64	20.2	U	-2.98	pCi/L
ZBG 3	7/21/10	ZINC-65	RADA-013	10.2	22.9	U	-1.86	pCi/L
ZBG 4	7/21/10	ZINC-65	RADA-013	9.61	24.7	U	-10.6	pCi/L
ZBG 5	7/21/10	ZINC-65	RADA-013	10.9	26.4	U	-7.02	pCi/L
ZBG 6	7/21/10	ZINC-65	RADA-013	8.26	21.1	U	-7.8	pCi/L
ZBG 7	7/21/10	ZINC-65	RADA-013	13.7	32.2	U	-5.38	pCi/L
ZBG 8	7/21/10	ZINC-65	RADA-013	12.6	27.3	U	0.00829	pCi/L
ZBG 1	7/20/10	ZIRCONIUM-95	RADA-013	11	23.7	U	1.09	pCi/L
ZBG 1	7/20/10	ZIRCONIUM-95	RADA-013	12.6	26.6	U	3.13	pCi/L
ZBG 2	7/21/10	ZIRCONIUM-95	RADA-013	9.57	20.8	U	0.168	pCi/L
ZBG 3	7/21/10	ZIRCONIUM-95	RADA-013	10.7	24	U	-0.849	pCi/L
ZBG 4	7/21/10	ZIRCONIUM-95	RADA-013	10.2	22.8	U	-1.13	pCi/L
ZBG 5	7/21/10	ZIRCONIUM-95	RADA-013	11.1	25.6	U	-3.74	pCi/L
ZBG 6	7/21/10	ZIRCONIUM-95	RADA-013	10.2	21.6	U	3.2	pCi/L
ZBG 7	7/21/10	ZIRCONIUM-95	RADA-013	13.1	27.9	U	1.62	pCi/L
ZBG 8	7/21/10	ZIRCONIUM-95	RADA-013	9.52	21.1	U	-0.498	pCi/L

Definitions:

MDL	method detection limit
PQL	practical quantitation limit
LAB CODE	USEPA Functional Guideline Codes applied by labs.

USEPA Functional Guideline Codes

- J The detected analyte was positively identified but the result is approximate.
- NJ The detected analyte was only tentatively identified and the result is approximate. All usable TIC results receive this code.
- U The analyte was analyzed for, but not detected. The sample detection and quantitation limits (MDL & SQL) are valid unless blank contamination is indicated.
- UJ The analyte was analyzed for, but not detected. The MDL & SQL are approximate, and may be inaccurate or imprecise.
- R The sample result is rejected as unusable due to serious deficiencies in meeting quality control criteria. The analyte may be present or absent.