TA-21

Darlene Goering

From: Becky Coel-Roback [becky_cr@lanl.gov]
Sent: Monday, April 19, 2004 5:04 PM
To: Darlene Goering
Subject: RE: SWMU 21-013(d)

94-95_Cu_&_Ni_data.xls 2003_Cr-Cu-Ni.xls

Darlene--let me know if these data tables tell you what you need. One is just the 1994/1995 copper and nickel data...it is mostly non-detect. The other table shows the 2003 chrome/copper/nickel data and the ratios between them. I did not include the latter with the NOD response, because I'm not sure what this consistent ratio means, other than the metals appear to travel together and come from the same source.

As far as the field log book goes, I have the copies and can fax them to you. There are ~25 pages of handwritten notes, and I don't believe they mention anything about the nature of the tuff. They do mention some difficulty in sample recovery. To what number shall I fax them?

Becky

-----Original Message-----
From: Becky Coel-Roback [mailto:becky_cr@lanl.gov]
Sent: Thursday, April 15, 2004 4:57 PM
To: Darlene Goering
Subject: RE: SWMU 21-013(d)

Darlene--sorry it's taken me a little while to get back on this. I just want to let you know that I am tracking this information down. I have requested the field logbook from the RPF (there will be no boring logs, because they were hand augered), and I should get that by Monday. Also, the SID table from the 94/95 data is attached, and you will see there is no nickle or copper data in it. That is because they never exceeded soil background in the 94/95 data (they may have exceeded the lower Qbt3 background, but back in those days everything was listed as soil). Therefore, I need to get into the overall database and query everything to get this data. I had hoped to finish that today, but was subjected to four meetings instead. I will get everything together, shooting for Monday.

thanks!
Becky

-----Original Message-----
From: Darlene Goering [mailto:darlene_goering@nmenv.state.nm.us]
Sent: Wednesday, April 14, 2004 1:29 PM
To: becky_cr@lanl.gov
Subject: SWMU 21-013(d)

Becky,

John and I need a little more information on this site before we can make a decision about the VCA completion report. In the NOD response, you provided

10726

the 94/95 chromium data. I thought you were also going to provide the copper and nickel data. We would also like to know if you could provide field/boring logs describing the tuff characteristics. Specifically, we are looking for evidence for the tuff heterogeneity. Could you look into getting us this information. Thanks.

Darlene

SAMPLE_ID	LOCATION_ID	DEPTH	MEDIA_CODE	ANALYTE_NAME	TD_SAMPLE_VALU	REPORTING_U	FU4_QUAL
AAB7150	21-01920	0-2.5 FT	ALLH	Copper	0.08	MG/KG	U
AAB7150	21-01920	0-2.5 FT	ALLH	Nickel	8.7	MG/KG	
AAB7154	21-01921	0-2.5 FT	ALLH	Copper	0.08	MG/KG	U
AAB7154	21-01921	0-2.5 FT	ALLH	Nickel	2.2	MG/KG	U
AAB7158	21-01922	0-2.5 FT	ALLH	Copper	0.08	MG/KG	U
AAB7158	21-01922	0-2.5 FT	ALLH	Nickel	2.9	MG/KG	U
AAB7161	21-01923	0-0.5 FT	ALLH	Copper	4.3	MG/KG	U
AAB7161	21-01923	0-0.5 FT	ALLH	Nickel	6.4	MG/KG	U
AAB7166	21-01924	0-2.5 FT	ALLH	Copper	0.08	MG/KG	U
AAB7166	21-01924	0-2.5 FT	ALLH	Nickel	1.6	MG/KG	U
AAB7170	21-01925	0-2.5 FT	ALLH	Copper	0.09	MG/KG	U
AAB7170	21-01925	0-2.5 FT	ALLH	Nickel	5.1	MG/KG	U
AAB7173	21-01926	0-0.5 FT	ALLH	Copper	0.09	MG/KG	U
AAB7173	21-01926	0-0.5 FT	ALLH	Nickel	8	MG/KG	U
AAB7178	21-01927	0-2.5 FT	ALLH	Copper	5.2	MG/KG	U
AAB7305	21-01927	0-0.5 FT	ALLH	Copper	0.08	MG/KG	U
AAB7177	21-01927	0-0.5 FT	ALLH	Copper	0.08	MG/KG	U
AAB7177	21-01927	0-0.5 FT	ALLH	Nickel	7.1	MG/KG	U
AAB7178	21-01927	0-2.5 FT	ALLH	Nickel	7.5	MG/KG	U
AAB7305	21-01927	0-0.5 FT	ALLH	Nickel	6.8	MG/KG	U
AAB7182	21-01928	0-2.5 FT	ALLH	Copper	3.1	MG/KG	U
AAB7182	21-01928	0-2.5 FT	ALLH	Nickel	5.5	MG/KG	U
AAB7186	21-01929	0-2.5 FT	ALLH	Copper	1.3	MG/KG	U
AAB7186	21-01929	0-2.5 FT	ALLH	Nickel	3.4	MG/KG	U
AAB7198	21-01932	0-2.5 FT	ALLH	Copper	4.8	MG/KG	U
AAB7198	21-01932	0-2.5 FT	ALLH	Nickel	7.3	MG/KG	U
AAB7246	21-01933	0-0.5 FT	ALLH	Copper	0.08	MG/KG	U
AAB7201	21-01933	0-0.5 FT	ALLH	Copper	0.09	MG/KG	U
AAB7201	21-01933	0-0.5 FT	ALLH	Nickel	5.3	MG/KG	U
AAB7246	21-01933	0-0.5 FT	ALLH	Nickel	3.9	MG/KG	U
AAB7205	21-01934	0-0.5 FT	ALLH	Copper	4.5	MG/KG	U

AAB7205	21-01934	0-0.5 FT	ALLH	Nickel	6	MG/KG	U
AAB7210	21-01935	0-2.5 FT	ALLH	Copper	0.82	MG/KG	U
AAB7210	21-01935	0-2.5 FT	ALLH	Nickel	2.9	MG/KG	U
AAB7214	21-01936	0-2.5 FT	ALLH	Copper	2	MG/KG	U
AAB7214	21-01936	0-2.5 FT	ALLH	Nickel	5.5	MG/KG	U
AAB7226	21-01939	0-2.5 FT	ALLH	Copper	0.83	MG/KG	U
AAB7226	21-01939	0-2.5 FT	ALLH	Nickel	3.9	MG/KG	U
AAB7230	21-01940	0-2.5 FT	ALLH	Copper	0.88	MG/KG	U
AAB7230	21-01940	0-2.5 FT	ALLH	Nickel	4.1	MG/KG	U
AAB7234	21-01941	0-2.5 FT	ALLH	Copper	0.85	MG/KG	U
AAB7234	21-01941	0-2.5 FT	ALLH	Nickel	2.9	MG/KG	U
VCXX-95-0046	21-09008	0-0.5 FT	ALLH	Copper	6.5	MG/KG	
VCXX-95-0046	21-09008	0-0.5 FT	ALLH	Nickel	8.9	MG/KG	U
VCXX-95-0047	21-09009	0-0.5 FT	ALLH	Copper	4.6	MG/KG	
VCXX-95-0047	21-09009	0-0.5 FT	ALLH	Nickel	8.3	MG/KG	U
VCXX-95-0048	21-09010	0-0.25 FT	ALLH	Copper	6.6	MG/KG	
VCXX-95-0048	21-09010	0-0.25 FT	ALLH	Nickel	8.3	MG/KG	U
VCXX-95-0049	21-09011	0-0.25 FT	ALLH	Copper	6.5	MG/KG	
VCXX-95-0049	21-09011	0-0.25 FT	ALLH	Nickel	8.8	MG/KG	

Sample ID	Location ID	Depth (ft)	Media	Chromium	Copper	Nickel	Cr to Cu	Cr to Ni	Cu to Ni
Soil Background Value				-	-	-			
Qbt 2,3,4 Background Value				**7.14**	**4.66**	**6.58**			
MD21-03-50473	21-01932	3.50-4.50	Qbt 3	502	10.4	40	48.27	12.55	0.26
MD21-03-50474	21-01933	0.00-0.50	Soil	-	-	-			
MD21-03-50475	21-01933	2.00-3.00	Qbt 3	679	15.5	48.8	43.81	13.91	0.32
MD21-03-50476	21-01934	0.00-0.50	Soil	-	-	-			
MD21-03-50477	21-01934	2.50-3.00	Qbt 3	224	-	22.2	NA	10.09	NA
MD21-03-50479	21-01935	3.50-4.50	Qbt 3	335	7.28	29.8	46.02	11.24	0.24
MD21-03-50480	21-01936	0.00-0.50	Soil	-	-	-			
MD21-03-50481	21-01936	3.50-4.50	Qbt 3	229	5.59	30.5	40.97	7.51	0.18
MD21-03-50482	21-01939	0.00-0.50	Soil	-	-	-			
MD21-03-50538	21-01939	6.00-7.00	Qbt 3	171	-	12.4	NA	13.79	NA
MD21-03-50484	21-01940	0.00-0.50	Soil	-	-	-			
MD21-03-50485	21-01940	3.50-4.50	Qbt 3	460	8.2	28	56.10	16.43	0.29
MD21-03-50486	21-01941	0.00-0.50	Soil	-	-	-			
MD21-03-50487	21-01941	3.50-4.50	Qbt 3	286	7.56	19.7	37.83	14.52	0.38

Waste Profile Sample ID	Location ID	Depth (ft)	Media	Antimony	Cadmium	Calcium	Lead
Soil Background Value				**0.83**	**0.4**	**6120**	**22.3**
PRS							
AAB7150	21-01920	0.00-2.50	Soil	-	-	8970	-
AAB7161	21-01923	0.00-0.50	Soil	-	-	-	89.4
AAB7178	21-01927	0.00-2.50	Soil	-	-	-	
AAB7246	21-01933	0.00-0.50	Soil	-	-	-	-
AAB7205	21-01934	0.00-0.50	Soil	-		-	-
VCXX-95-0046	21-09008	0.00-0.50	Soil	8.9 (U)	1.1 (U)	-	

Mercury	Molybdenum	Silver	Strontium	Thallium	Uranium	Zinc
0.1	**-**	**1**	**-**	**0.73**	**1.82**	**48.8**
-	-	-	-	-		-
	-	-	-	-		58.6 (J)
0.34 (J)	-	-	-	-		-
-	-	-	-	-	4.29 (J)	-
-	-	2.3 (U)	-	-		-
	4.4 (U)		33	1.2 (U)	-	-