

LANL '07 TA-LO (SWMU 10-002(a)-99)

Roberts, Kathryn, NMENV

From: Becky-Coel Roback [becky_cr@lanl.gov]
Sent: Thursday, November 29, 2007 10:42 AM
To: Roberts, Kathryn, NMENV
Importance: High
Attachments: Event244_validated_7006.xls

Katie--I'm hoping this email still works, but I see it is the one still listed on the HWB website contact list.

Attached are the data for the direct waste sample collected from cuttings bin. I have sorted it by qualifier first, then analyte name. This way you can see the detects first, then all the nondetects. I'm sure you know the qualifier flags, but NQ means it is not qualified (meaning it's a straight-up hit), J is very near the DL, so it is estimated, and U of course is not detected. We analyzed for TCLP metals, TCLP VOCs, TCLP SVOCs, TCLP herbicides and pesticides, full suite radionuclides, TPH, and PCBs. In summary, no organics were detected, only two TCLP metals were detected (cadmium and barium) well below regulatory limits, and of the detected radionuclides, only Sr-90 exceeds background. The latter was expected...Sr-90 is the main contaminant of concern in Bayo.

Please let me know if you have any other questions regarding the waste or associated data.

Thanks!
Becky

Becky Coel-Roback
EP-CAP
Los Alamos National Laboratory
PO Box 1663, Mail Stop:M992
Los Alamos, NM 87544
phone:(505) 665-5011
e-mail: becky_cr@lanl.gov

This inbound email has been scanned by the MessageLabs Email Security System.

11/29/2007

30164



SAMPLE NAME	LUT ANALYTE DESC	LAB RESULT	RESULT UNIT	LAB UNCERTAINTY	QUALIFIER
RE10-07-7006	Cadmium	0.0094	mg/L		J
RE10-07-7006	Barium	0.39	mg/L		NQ
RE10-07-7006	Bismuth-214	1.4	pCi/g	0.15	NQ
RE10-07-7006	Lead-212	1.7	pCi/g	0.11	NQ
RE10-07-7006	Lead-214	1.69	pCi/g	0.16	NQ
RE10-07-7006	Potassium-40	31	pCi/g	1.6	NQ
RE10-07-7006	Radium-226	1.4	pCi/g	0.15	NQ
RE10-07-7006	Radium-228	1.78	pCi/g	0.22	NQ
RE10-07-7006	Strontium-90	3.3	pCi/g	0.36	NQ
RE10-07-7006	Thallium-208	0.713	pCi/g	0.062	NQ
RE10-07-7006	Uranium-234	1.37	pCi/g	0.098	NQ
RE10-07-7006	Uranium-235	0.0907	pCi/g	0.018	NQ
RE10-07-7006	Uranium-238	1.48	pCi/g	0.1	NQ
RE10-07-7006	Americium-241	-0.0105	pCi/g	0.0051	U
RE10-07-7006	Americium-241	0.0818	pCi/g	0.13	U
RE10-07-7006	Aroclor-1016	3.46	ug/kg		U
RE10-07-7006	Aroclor-1221	3.46	ug/kg		U
RE10-07-7006	Aroclor-1232	3.46	ug/kg		U
RE10-07-7006	Aroclor-1242	3.46	ug/kg		U
RE10-07-7006	Aroclor-1248	3.46	ug/kg		U
RE10-07-7006	Aroclor-1254	3.46	ug/kg		U
RE10-07-7006	Aroclor-1260	3.46	ug/kg		U
RE10-07-7006	Arsenic	0.05	mg/L		U
RE10-07-7006	Benzene	0.01	mg/L		U
RE10-07-7006	BHC[gamma-]	0.0002	mg/L		U
RE10-07-7006	Butanone[2-]	0.05	mg/L		U
RE10-07-7006	Carbon Tetrachloride	0.01	mg/L		U
RE10-07-7006	Cerium-139	-0.00511	pCi/g	0.021	U
RE10-07-7006	Cesium-134	0.0548	pCi/g	0.03	U
RE10-07-7006	Cesium-137	-0.0207	pCi/g	0.029	U
RE10-07-7006	Chlordane(alpha/gam	0.0025	mg/L		U
RE10-07-7006	Chlorobenzene	0.01	mg/L		U
RE10-07-7006	Chloroform	0.01	mg/L		U
RE10-07-7006	Chromium	0.03	mg/L		U
RE10-07-7006	Cobalt-60	0.0317	pCi/g	0.029	U
RE10-07-7006	D[2,4-]	0.05	mg/L		U
RE10-07-7006	Dichlorobenzene[1,4-]	0.01	mg/L		U
RE10-07-7006	Dichlorobenzene[1,4-]	0.05	mg/L		U
RE10-07-7006	Dichloroethane[1,2-]	0.01	mg/L		U
RE10-07-7006	Dichloroethene[1,1-]	0.01	mg/L		U
RE10-07-7006	Dinitrotoluene[2,4-]	0.05	mg/L		U
RE10-07-7006	Endrin	0.0004	mg/L		U
RE10-07-7006	Europium-152	-0.0235	pCi/g	0.098	U
RE10-07-7006	Heptachlor	0.0002	mg/L		U
RE10-07-7006	Heptachlor Epoxide	0.0002	mg/L		U
RE10-07-7006	Hexachlorobenzene	0.05	mg/L		U
RE10-07-7006	Hexachlorobutadiene	0.05	mg/L		U
RE10-07-7006	Hexachloroethane	0.05	mg/L		U
RE10-07-7006	Lanthanum-140	-0.086	pCi/g	0.063	U
RE10-07-7006	Lead	0.02	mg/L		U
RE10-07-7006	Mercury	0.002	mg/L		U
RE10-07-7006	Mercury-203	0.0515	pCi/g	0.031	U
RE10-07-7006	Methoxychlor[4,4'-]	0.002	mg/L		U
RE10-07-7006	Methylphenol[2-]	0.05	mg/L		U
RE10-07-7006	Methylphenol[4-]	0.05	mg/L		U
RE10-07-7006	Nitrobenzene	0.05	mg/L		U
RE10-07-7006	Pentachlorophenol	0.05	mg/L		U
RE10-07-7006	Plutonium-238	0.00127	pCi/g	0.0034	U

RE10-07-7006	Plutonium-239/240	0 pCi/g	0.004 U
RE10-07-7006	Pyridine	0.05 mg/L	U
RE10-07-7006	Radium-223	-0.987 pCi/g	0.53 U
RE10-07-7006	Ruthenium-106	-0.177 pCi/g	0.24 U
RE10-07-7006	Selenium	0.05 mg/L	U
RE10-07-7006	Silver	0.01 mg/L	U
RE10-07-7006	Sodium-22	-0.0602 pCi/g	0.031 U
RE10-07-7006	Strontium-85	0.0665 pCi/g	0.027 U
RE10-07-7006	Tetrachloroethene	0.01 mg/L	U
RE10-07-7006	Thorium-227	0.214 pCi/g	0.3 U
RE10-07-7006	Tin-113	0.0201 pCi/g	0.032 U
RE10-07-7006	Total Petroleum	5.17 mg/kg	U
RE10-07-7006	Total Petroleum	52.1 ug/kg	U
RE10-07-7006	Toxaphene (Technical	0.005 mg/L	U
RE10-07-7006	TP[2,4,5-]	0.05 mg/L	U
RE10-07-7006	Trichloroethene	0.01 mg/L	U
RE10-07-7006	Trichlorophenol[2,4,5-	0.05 mg/L	U
RE10-07-7006	Trichlorophenol[2,4,6-	0.05 mg/L	U
RE10-07-7006	Uranium-235	0.178 pCi/g	0.16 U
RE10-07-7006	Vinyl Chloride	0.01 mg/L	U
RE10-07-7006	Yttrium-88	0.0357 pCi/g	0.019 U