



BRUCE KING
GOVERNOR

State of New Mexico
ENVIRONMENT DEPARTMENT

TA 49

DOE/LANL OVERSIGHT PROGRAM
TECHNICAL AREA 52, BUILDING 1, ROOM 109
MAIL STOP K-571

JUDITH M. ESPINOSA
SECRETARY

RON CURRY
DEPUTY SECRETARY

MEMORANDUM

To: Fraser Goff
From: Teri Davis
Date: July 13, 1993
Subject: DT-5A (ES Station) May 1993 Sampling Results

Thank you for your July 1 memo informing me as to the results you have for Pb and Sb from DT-5A. The difference between our values appears to be associated with colloidal effects. It is interesting to note that your filtered samples exceed EPA MCL standards for Pb (0.015 mg/L). It is also interesting that your previous filtered results are similar from 10/91 to 5/93 and that previous EM-8 unfiltered results are close in concentration to your filtered results.

We should get together to discuss specifics of a verification sampling "to see how we all shake down". NMED will probably take both filtered and unfiltered samples for analysis of metals as well as nitrates and general chemistry.

cc: Bruce Swanton
File LANL/AIP 93

enclosure

LANL/en/6v 1144

X-721144-16
238





Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 305364

CLIENT : NEW MEXICO ENVIRONMENTAL DEPT.
 PROJECT # : (NONE)
 PROJECT NAME : LANL ENVIRONMENTAL SURVEILLANCE

DATE RECEIVED : 05/21/93

REPORT DATE : 06/14/93

PARAMETER	UNITS	06	07	08
SILVER (EPA 272.2/7761)	MG/L	0.0003	0.0004	<0.0002
ALUMINUM (EPA 200.7/6010)	MG/L	<0.05	18.8	0.05
ARSENIC (EPA 206.2/7060)	MG/L	<0.005	<0.005	0.010
BORON (EPA 200.7/6010)	MG/L	<0.10	<0.10	0.40
BARIUM (EPA 200.7/6010)	MG/L	0.023	0.406	0.109
BERYLLIUM (EPA 210.2/7091)	MG/L	<0.0005	0.0009	<0.0005
CALCIUM (EPA 200.7/6010)	MG/L	8.1	41.8	29.7
CADMIUM (EPA 213.2/7131)	MG/L	0.0012	0.011	<0.0005
COBALT (EPA 200.7/6010)	MG/L	<0.010	<0.010	<0.010
CHROMIUM (EPA 218.2/7191)	MG/L	0.001	0.020	0.002
COPPER (EPA 220.2/7211)	MG/L	0.0027	0.014	0.0016
IRON (EPA 200.7/6010)	MG/L	0.619	15.2	0.056
MERCURY (EPA 245.1/7470)	MG/L	<0.0002	<0.0002	<0.0002
POTASSIUM (EPA 200.7/6010)	MG/L	2.0	8.4	2.7
LITHIUM (EPA 200.7/6010)	MG/L	<0.05	0.06	0.11
MAGNESIUM (EPA 200.7/6010)	MG/L	2.3	5.6	1.9
MANGANESE (EPA 200.7/6010)	MG/L	0.026	0.447	<0.010
MOLYBDENUM (EPA 200.7/6010)	MG/L	<0.02	<0.02	<0.02
SODIUM (EPA 200.7/6010)	MG/L	10.8	14.6	120
NICKEL (EPA 200.7/6010)	MG/L	<0.020	<0.020	<0.020
LEAD (EPA 239.2/7421)	MG/L	4.60*	0.024	<0.002
ANTIMONY (EPA 200.7/6010)	MG/L	0.22**	<0.05	<0.05
SELENIUM (EPA 270.2/7740)	MG/L	<0.005	<0.005	<0.005
SILICON (EPA 200.7/6010)	MG/L	32.6	37.6	17.8
TIN (EPA 200.7/6010)	MG/L	<0.03	<0.03	<0.03
STRONTIUM (EPA 200.7/6010)	MG/L	0.042	0.280	0.538
THALLIUM (EPA 279.2/7841)	MG/L	<0.005	<0.005	<0.005
VANADIUM (EPA 200.7/6010)	MG/L	<0.010	0.059	0.029
ZINC (EPA 200.7/6010)	MG/L	1.86	0.142	0.024

* Analyzed by EPA Method 200.7/6010

** Analyzed by EPA Method 204.2/7041

06 - DT-5A