



ANALYTICAL SERVICES

XVII

CERTIFICATE OF ANALYSIS

IT Corporation
5301 Central Avenue N.E.
Suite 700
Albuquerque, NM 87108
ATTN: Brian Klenk

August 11, 1989



XVII

Job Number: ITNA 43802

P.O. Number: 301289

This is the Certificate of Analysis for the following samples:

Client Project ID:	Cannon AFB
Date Received by Lab:	07/18/89
Number of Samples:	Four (4)
Sample Type:	PUF-two (2), filter-two (2)

I. Introduction

On 07/18/89, two (2) PUF samples and two (2) filter samples arrived at the ITAS-Knoxville, Tennessee laboratory from Cannon AFB. The list of analytical tests performed, as well as date of receipt and analysis, can be found in the attached report.

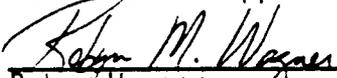
II. Analytical Results/Methodology

The analytical results for this report are presented by analytical test. Each set of data will include sample identification information and the analytical results. Please note that the data are not blank corrected.

The samples were analyzed for TCL semivolatile organics by gas chromatography/mass spectroscopy (GC/MS) based on method T01 and EPA SW-846 method 8270.

The samples were analyzed for priority pollutant pesticides by gas chromatography/electron capture detection (GE-ECD) based on method T01 and EPA method 608.

Reviewed and Approved:


 Robynn Wagner
 Operations Manager

American Council of Independent Laboratories
 International Association of Environmental Testing Laboratories
 American Association for Laboratory Accreditation

IT Corporation
August 11, 1989

IT ANALYTICAL SERVICES
5815 MIDDLEBROOK PIKE
KNOXVILLE, TN

Client Project ID: Cannon AFB

Job Number: ITNA 43802

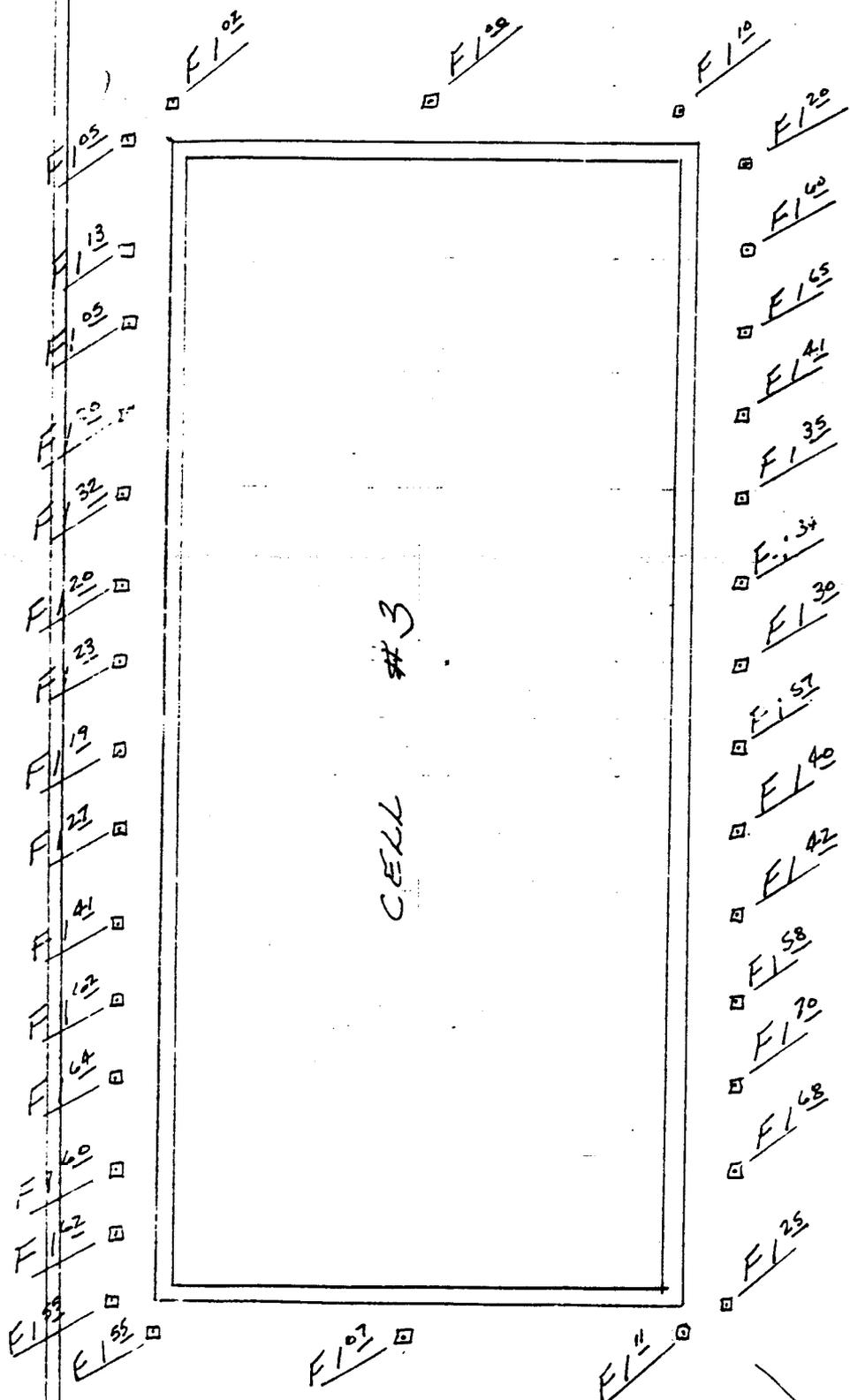
III. Quality Control

Routine laboratory level I QC was followed.

The semivolatiles analyses were performed on 07/28/89 by direct injection of sample extract on a Restek RTX-5 capillary column on a Finnigan 4500 GC/MS/DS. PUF and glass fiber filters were extracted together and the extracts analyzed. The sample runs went well. Moderate dilution of the extract was required due to expected levels. The samples showed high levels of phthalates. Sample JJ1892/2003 had one value in the upper range for instrument quantitation, but the peak was not saturated, and result should be good. Several tentatively identified compounds (TIC's) were seen. Where a reasonable match was found, the peak was tentatively identified with the name from the NBS library spectrum. All peaks at 2% or greater of internal standard height (at 40 μ g) were examined. No other problems were seen in data review.

The samples were analyzed for priority pollutant pesticides on 08/01/89 on a Varian 3740 instrument using a mixed phase (SP-2250/SP-2401) column. The samples show instances of elevated detection limits due to matrix interferences.

SURVEY REPORT



HUBS ARE 30' OFFSET EDGE OF 30" FOOTING

ALL GRADES ARE TO TOP OF FOOTING.

FOOTING IS 12" DEPTH

Bradley Construction, Inc.
 830 Washington, NE
 Albuquerque, N.M. 87113
 (505) 823-2800

9/20/89	SK-02	ell
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NOTES:
1) SURVEY DONE BY LYDICK ENGS. - CIVILS.

CONST. RUNDOWN SECTION TO S.E.

CLOSURE OF CELL 3
 LANDFILL AREA 5
 CANNON AFB NM
 F29605-89-00009

NATIONAL AGRIMATE BIOLABS & SUPPLIES, INC.

DATE: 08/25/89

(Agricultural and Analytical Laboratories)

Atch 5

SAMPLE NO.: #1

P. O. Box 1924, 1113 Thornton Street

CLOVIS, NEW MEXICO 88102-1924

PHONE: (505) 769-0343

NO.: B- 85766

RECEIVED: 08/22/89

SOIL ANALYSIS REPORT

SUBMITTED BY: BRADLEY CONSTRUCTION

GROWER: _____

ADDRESS: 8300 WASHINGTON NE, ALBUQUERQUE, NM 87113

ADDRESS: _____

% ORGANIC MATTER		0.6	CROP				
SOIL pH		7.9	YIELD GOAL				
BUFFER pH							
FREE LIME							
% SOLUBLE SALTS		0.02	SOIL FERTILITY RECOMMENDATION (LBS. PER ACRE.)				
NITROGEN - N RESIDUAL		2 VL	NITROGEN - N	3			
PHOSPHORUS AVAILABLE	1	3 VL	PHOSPHATE - P ₂ O ₅	6			
	2	7 L					
POTASSIUM - K EXCHANGEABLE		229 M	POTASH - K ₂ O				
MAGNESIUM - Mg EXCHANGEABLE		281 M	MgO				
SULFUR - S AVAILABLE		9 VL	S - As SULFATE				
CALCIUM - Ca EXCHANGEABLE		1776 M	LIME - CaCO ₃				
SODIUM - Na EXCHANGEABLE		167 M	GYPSUM				
ZINC - Zn AVAILABLE		.1 VL	ZINC - Zn				
MANGANESE - Mn AVAILABLE		2.3 VL	MANGANESE - Mn				
IRON - Fe AVAILABLE		2.1 L	IRON - Fe				
COPPER - Cu AVAILABLE		.1 L	COPPER - Cu				
BORON - B AVAILABLE		.5 L	BORON - B		SULFUR ELEMENTAL		
PARTICLE SIZE ANALYSIS		% SAND 89.20	% SILT 8.40	% CLAY 2.40	SOIL TEXTURE SAND		
PERCENT BASE SATURATION		% K 4.68	% Mg 18.68	% Ca 70.84	% Na 5.79 % H ₂ O 0		
C.E.C. meq/100g (BY ADDITION)	12.53	FIELD CAPACITY	5.31	WILTING POINT	2.92	AVAILABLE WATER (10P 18")	0.60

All elements reported in ppm (Parts per Million). Multiply by 2 for approximate lbs./Acre.

COMMENTS:

DR. P. I. ITTYCHERIAH

BY:

This report applies only to sample(s) tested. Samples are retained a maximum of 30 days after test date. Our reports, letters and name of National Agrimate Biolabs are not to be used under any circumstances in advertising to the general public.