

CP-00295-3,01-2/1/83

Site No.



DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511

TELEPHONE NO.
(804) 444-9566
IN REPLY REFER TO:
114:JGW:pkk
6280

1 FEB 1983

From: Commander, Atlantic Division, Naval Facilities Engineering Command
To: Commanding General, Marine Corps Air Station, Cherry Point

Subj: Chemical analysis of soil sample

Encl: (1) CENTEC Analytical Services Report No. 24 of 20 Jan 1983

1. Enclosure (1) is forwarded as results of analysis of soil sample collected between the fire fighting training pits and Building 1776.
2. Aside from oil contamination caused by less-than-optimal operation of the fire fighting pits, enclosure (1) does not appear to reflect an imminent hazard to health or the environment. The metals levels may be indicative of past IWTP sludge or other incidental chemical waste disposal, however the data are not conclusive.
3. LANTNAVFACENGCOM point of contact is Mr. Jerry Wallmeyer at (804) 444-9566 or AUTOVON 690-9566.

J. R. Bailey
J. R. BAILEY
By direction

Copy to:
CG MCAS CHERRY PT (Natural Resources and Environmental Affairs)
CMC (Code LFF-2)



CENTEC ANALYTICAL SERVICES, INC.
A SUBSIDIARY OF THE CENTEC CORPORATION

P. O. BOX 956
2160 INDUSTRIAL DRIVE
SALEM, VIRGINIA 24153
(703) 387-3995

— ANALYTICAL RESULTS REPORT —

Mr. David Goodwin
Atlantic Division Code 1143
Naval Facilities Engineering Command
Norfolk, VA 23411

Re: Soil Analysis
CAS Commission No. 6094

REPORT DATE/NUMBER: 20 January 1983/24

SAMPLES COLLECTED: 09 November 1982: 1315

BY: Navy personnel

SAMPLES RECEIVED IN LAB: 13 November 1982: 1145

ANALYSIS FOR: Cyanide, Oils & Grease (O&G), pH, Phenolics,
TOX, % Moisture, Silver (Ag), Cadmium (Cd),
Chromium (Cr), and Lead (Pb), wet weight and
dry weight

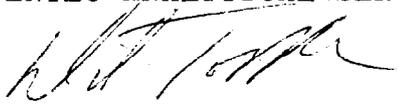
METHOD OF ANALYSIS: Re: EPA SW-846, Test Methods for
Evaluating Solids Waste, May 1980

Results are on the following page.

If you have any questions or comments concerning this report,
please do not hesitate to contact us.

Prepared by:

CENTEC ANALYTICAL SERVICES


David F. Tompkins
Chemist

DFT/mls

Naval Facilities Engineering Command
20 January 1983
Page 2

CAS NO: 27244

DESCRIPTION: Cherry Point between burn pits and Bld 1776
Field 60

PARAMETER	RESULTS (wet weight)	RESULTS (dry weight)
Cyanide $\mu\text{g/g}$	2.5	3.6
Oils & Grease $\mu\text{g/g}$	200	285
pH (Lab)	6.300	
Phenolics $\mu\text{g/g}$	<0.6	<0.8
% Moisture	29.8	
Silver $\mu\text{g/g}$	<1.00	<2.00
Cadmium $\mu\text{g/g}$	1.26	1.80
Chromium $\mu\text{g/g}$	8.44	12.0
Lead $\mu\text{g/g}$	5.98	8.52
TOX	See enclosed report	

[Handwritten Signature]

ETC ENVIRONMENTAL TESTING and CERTIFICATION CORPORATION

DENIS C.K. LIN, Ph.D.

*Vice President
Research and Operations*

January 13, 1983

Mr. David Tompkins
Centec Analytical
P. O. Box 956
2160 Industrial Drive
Salem, Virginia 24153

Dear Mr. Tompkins:

Enclosed are Total Organic Halide (TOX) data for your sludge sample CENTEC CAS#27244 (ETC Sample No. B7051), submitted to ETC on November 30, 1982.

If we can be of further service to your organization in the future, please call.

Sincerely,



Denis C. K. Lin, Ph.D

DCKL/ri
Attachment

CHAIN-OF-CUSTODY RECORD

CHAIN OF CUSTODY

Company: Centec Analytical Services Job No. _____

Address _____
Salem, Virginia

Attention: _____

Sample Description:

*recd at room temp. one soil sample
in a glass jar for TOX analysis*

cust ID

CAS # 27244

ETC #

B7051

Sample(s) Relinquished by: Federal Express

Time: 11³⁰ A Date: 11/30/82

Sample(s) Received by: J. Papozzy

Time: 11³⁰ A Date: 11/30/82

LABORATORY CHAIN-OF-CUSTODY

ETC Sample Number(s) B7051

Relinquished By [Signature]

Received By [Signature] Date 2/20/82 Time 5:16p

Relinquished By _____

Received By _____ Date _____ Time _____

Relinquished By _____

Received By _____ Date _____ Time _____

Relinquished By _____

Received By _____ Date _____ Time _____

Relinquished By _____

Received By _____ Date _____ Time _____

LABORATORY CHAIN-OF-CUSTODY CHRONICLE

ETC Sample Number(s) 07051

Sample Preparation For:	Analyst	Date
Base/Neutral/PCB's & Pesticides _____	_____	_____
Acids _____	_____	_____
Metals _____	_____	_____
Others <u>TOX</u> _____	<u>Pat Alexander</u> _____	<u>1/7/83</u> _____
Other: _____	_____	_____
Others _____	_____	_____
Others _____	_____	_____

Sample Analysis For:	Analyst	Date
Base/Neutral/PCB's & Pesticides _____	_____	_____
Acids _____	_____	_____
VOA Purgeables _____	_____	_____
Metals _____	_____	_____
Others <u>TOX</u> _____	<u>Pat Alexander</u> _____	<u>1/7/83</u> _____
Others _____	_____	_____
Others _____	_____	_____
Others _____	_____	_____
Others _____	_____	_____
Others _____	_____	_____

Verified By 