

1985

6241/1
NREAD(L)

DEC 05 1986

From: Commanding General, Marine Corps Base, Camp Lejeune
To: Defense Reutilization and Marketing Officer, Marine
Corps Base, Camp Lejeune

Subj: LABORATORY ANALYSIS OF HAZARDOUS MATERIAL; RESULTS OF

Ref: (a) BO 6240.5


Encl: (1) Excerpts from JTC Environmental Consultants, Inc.
Report No. 54 dated 28 June 1985
(2) Hazardous Waste Characteristic Analysis of Barrels
at FC-251

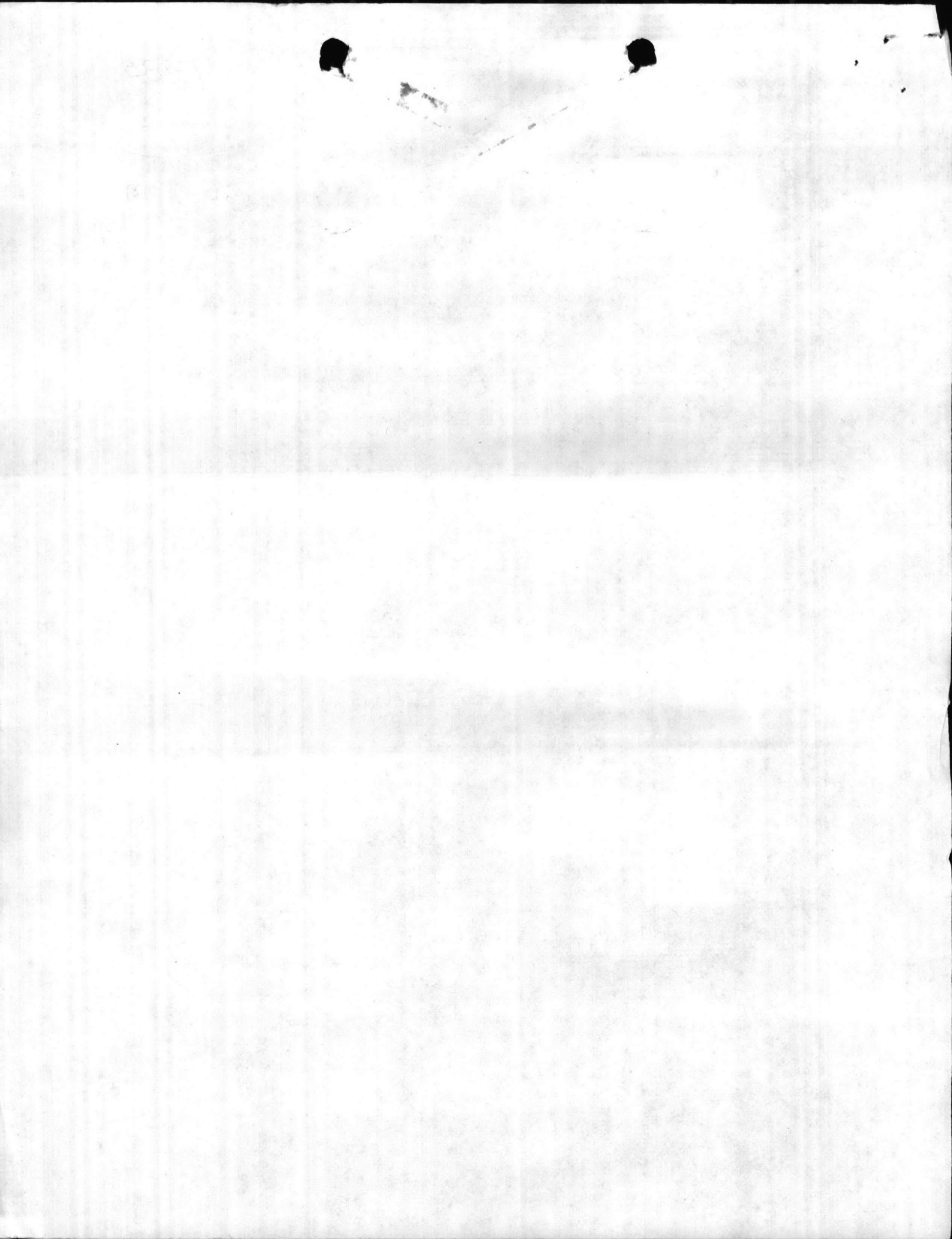
1. Enclosure (1) and (2) show that the two barrels located at FC-251 area a corrosive liquid with toxic levels of metals. It is recommended that the barrels be disposed of as a D002 Hazardous Waste (HW) per the reference. The secondary HW numbers shown in enclosure (2) should also be shown on turn in documents and labels.

2. Point of contact is Ms. Elizabeth Betz, at extension 5977.

J. I. WOOTEN
By direction

Copy to:
2d FSSG (Facilities & Safety Office)
ACISFac
Blind copy to:
Lab (NREAD)





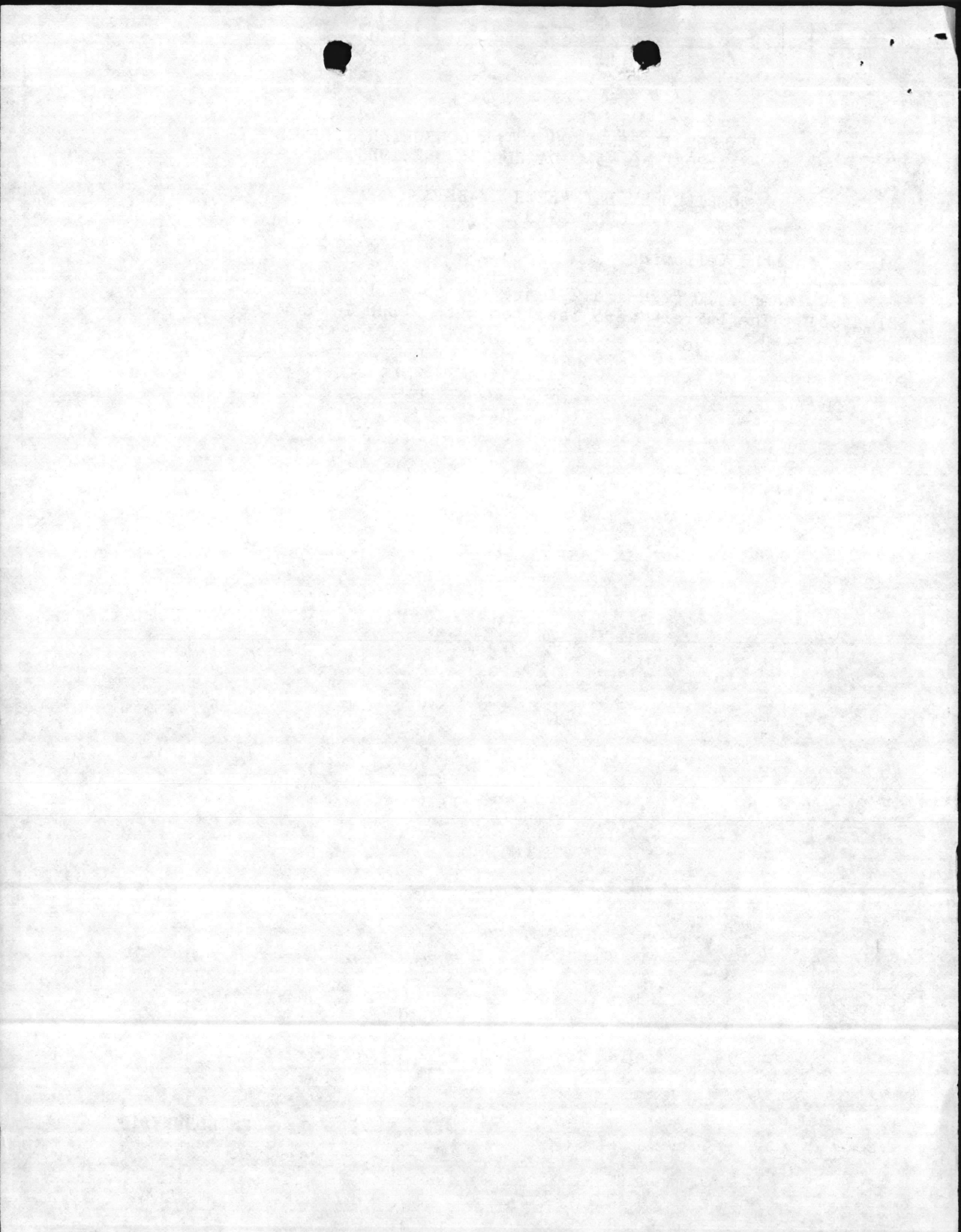
EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INC.
REPORT NO. 54, DATED 28 JUNE 1985

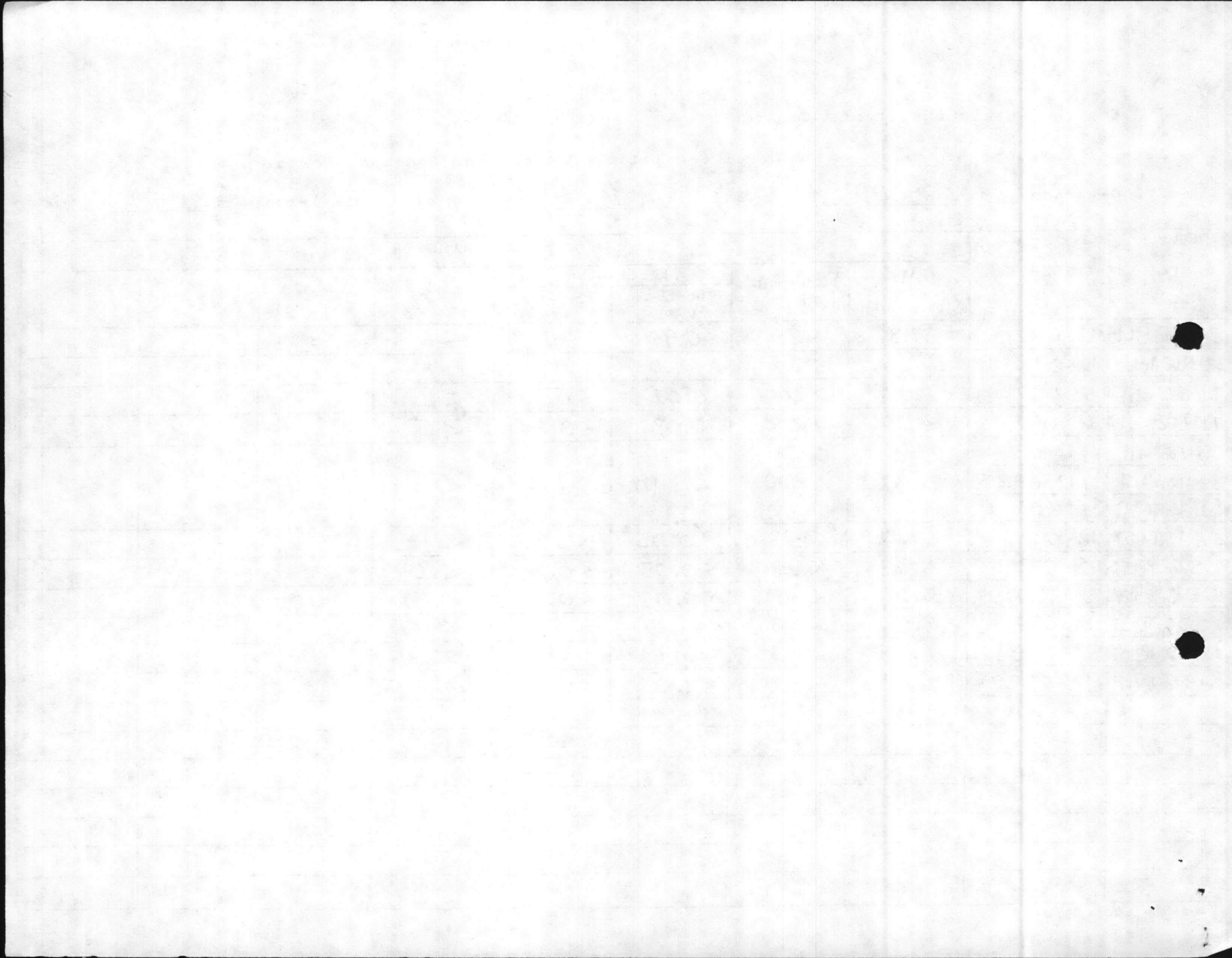
COMPILED BY ELIZABETH A. BETZ
7 AUGUST 1985

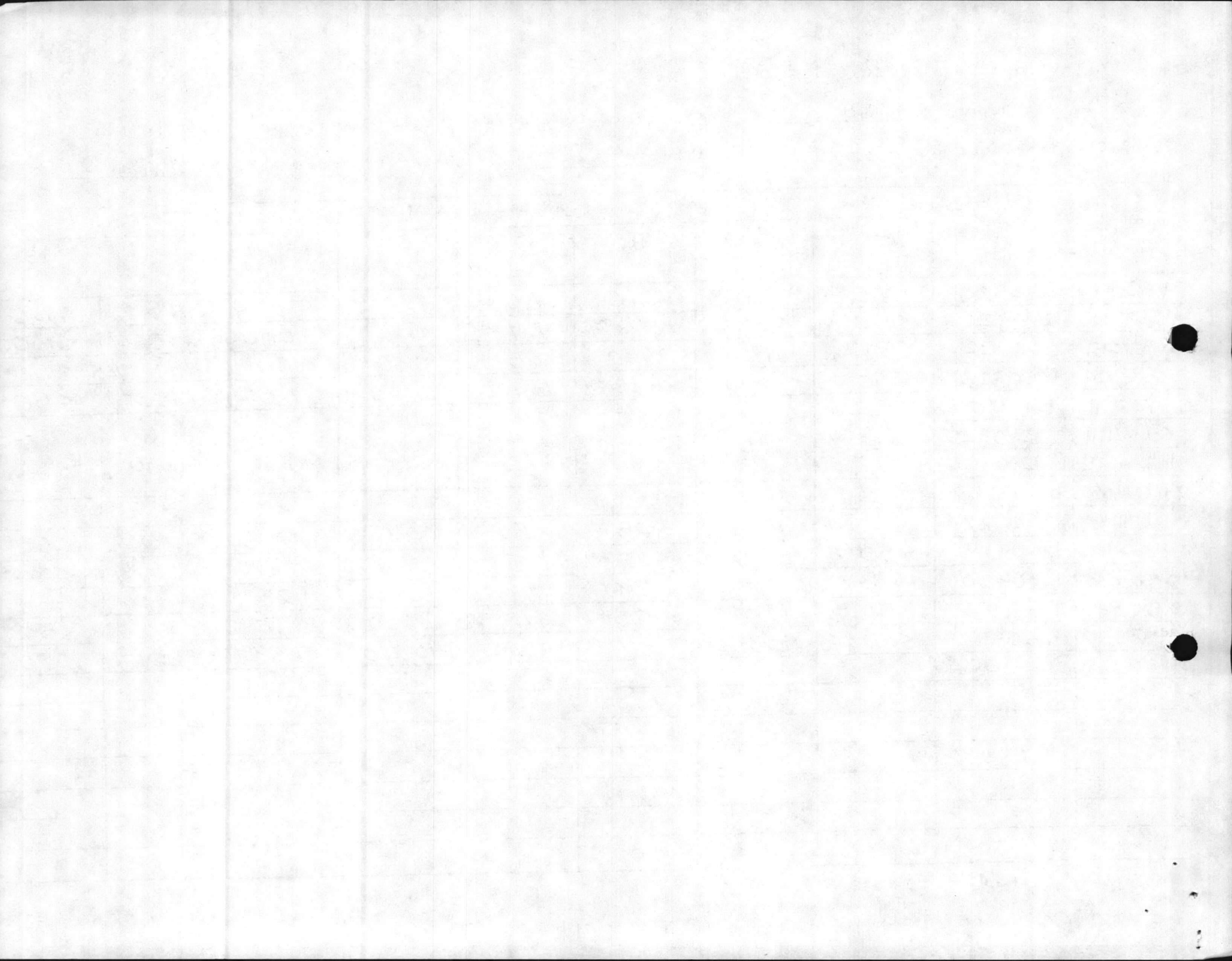
Please note the following:

- a. Navy sample ID #27H and 27I are two 55-gallon drums at Bldg 251. The barrels were labelled with H and I when they were sampled.

(ENCLOSURE 1)



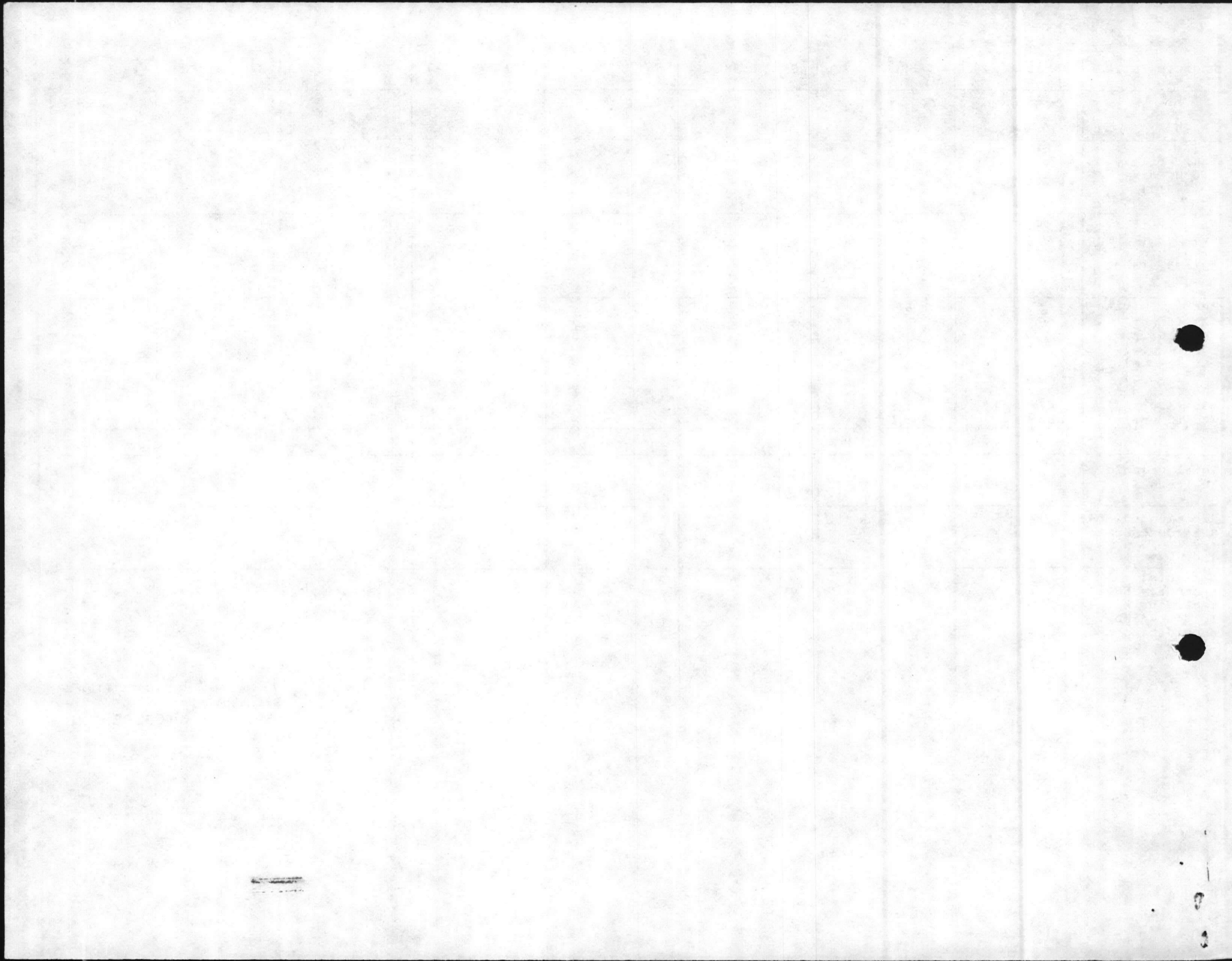




CHARACTERISTICS	SAMPLE #27H	SAMPLE #27I	SAMPLE #86-	SAMPLE #86-0	SAMPLE #86-0	SAMPLE #86-	SAMPLE #86-	SAMPLE #86-
Corrosivity: pH	CORROSIVE 1.52	CORROSIVE <1.0						
Ignitability: Flash Point (140°F)	>200°F	>200°F						
Reactivity Cyanide (250mg /kg)	mg/L 0.02	mg/L 0.03						
Sulfide (500mg /kg)	<0.1	<0.1						
Toxicity-Limits As (5 ppm)	mg/L <0.05	mg/L 0.290						
B (100 ppm)	1.17	<1.0						
Cd (1 ppm)	2.44	0.68						
Cr (5 ppm)	0.065	13.1						
Pb (5 ppm)	9.85	3.12						
Hg (0.2 ppm)	<0.001	<0.001						
Se (1.0 ppm)	0.141	1.94						
Ag (5 ppm)	<0.05	<0.05						
PCB mg/9	<1	<5						
Total Organic Halogen %	NOT TESTED →							
Recommended EPA Hazardous Waste ID#	D002	D002						
Comments: Secondary EPA Hazardous Waste ID #'s which should be shown	D006 D008	D007 D010						

Prepared by: Elizabeth Betz Date: 21 Nov 86

ENCLOSURE (2)



9 Aug 85
6240/2
NREAD

9 Aug 85

From: Commanding General, Marine Corps Base, Camp Lejeune
To: Commanding General, 2d Force Service Support Group,
(Attn: EngrSPT), Camp Lejeune

Subj: REQUEST FOR ANALYSIS

Ref: (a) CO 2dANGLICO ltr 4400 S-4 of 14 Feb 1985
(b) BO 6240.5

Encl: (1) Excerpts from JTC Environmental Consultants, Inc.
Report No. 54 dated 28 June 1985

1. The enclosure is forwarded as requested by the endorsement to reference (a). The information is required to turn the hazardous property in to Defense Reutilization and Marketing Office per reference (b). Both of these containers should be handled as corrosive wastes. Point of contact in this matter is Mr. Danny Sharpe, Natural Resources and Environmental Affairs Division, extension 2083.

R. A. TIEBOUT
By direction

→ Blind copy to:
SupvChem NREAD

BLDG 251
2-55⁴ DRUMS
UNKNOWN

Writer: D. D. Sharpe, NREAD 5003
Typist: J. Cross 9Aug85

1000

Faint, illegible text, possibly bleed-through from the reverse side of the page.



9 Aug 85
6240/2
NREAD

9 Aug 85

From: Commanding General, Marine Corps Base, Camp Lejeune
To: Commanding General, 2d Force Service Support Group,
(Attn: EngrSPT), Camp Lejeune

Subj: REQUEST FOR ANALYSIS

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R. A. TIEBOUT
By direction

Blind copy to:
→ SupvChem NREAD

Writer: D. D. Sharpe, NREAD 5003
Typist: J. Cross 9Aug85

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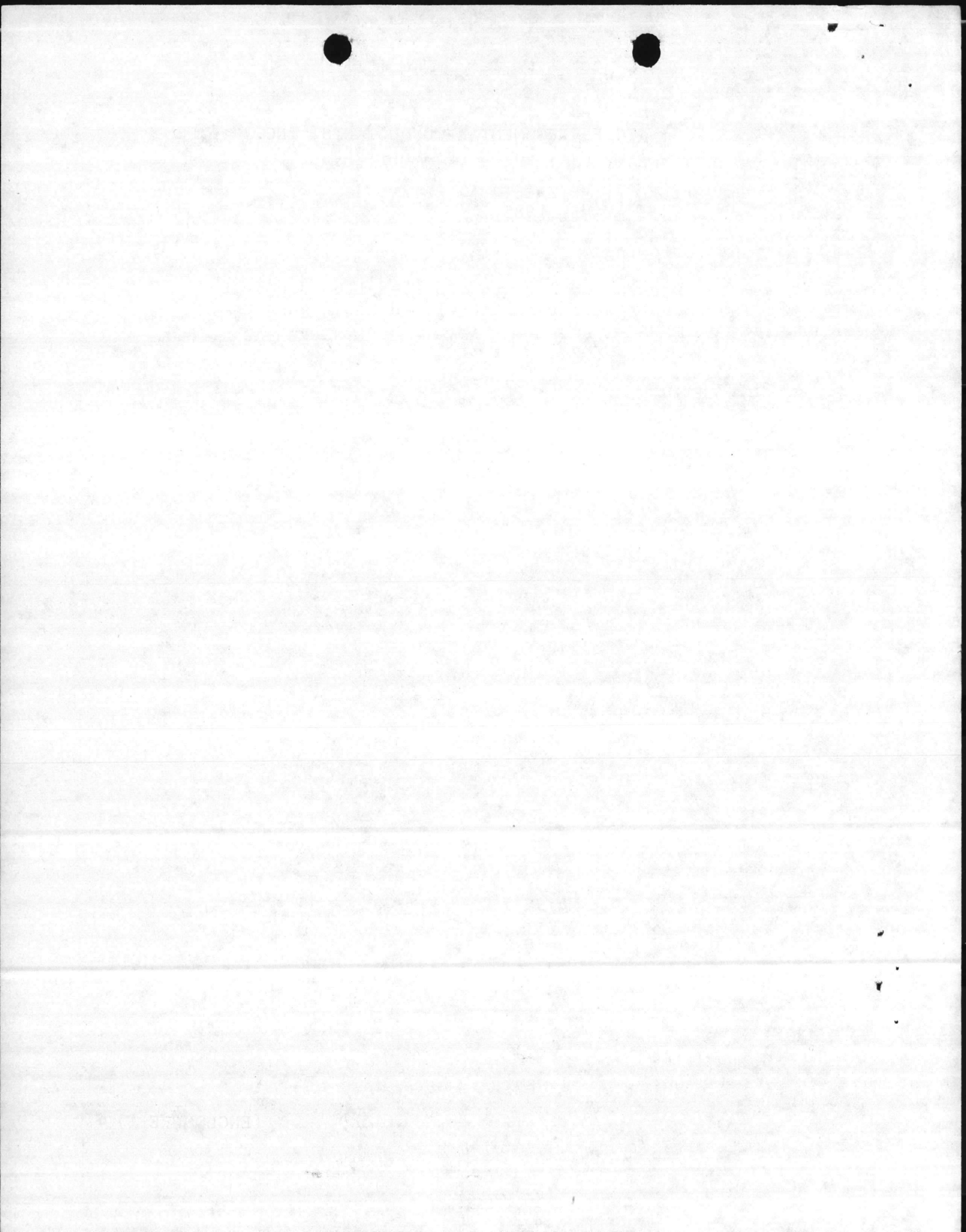
EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INC.
REPORT NO. 54, DATED 28 JUNE 1985

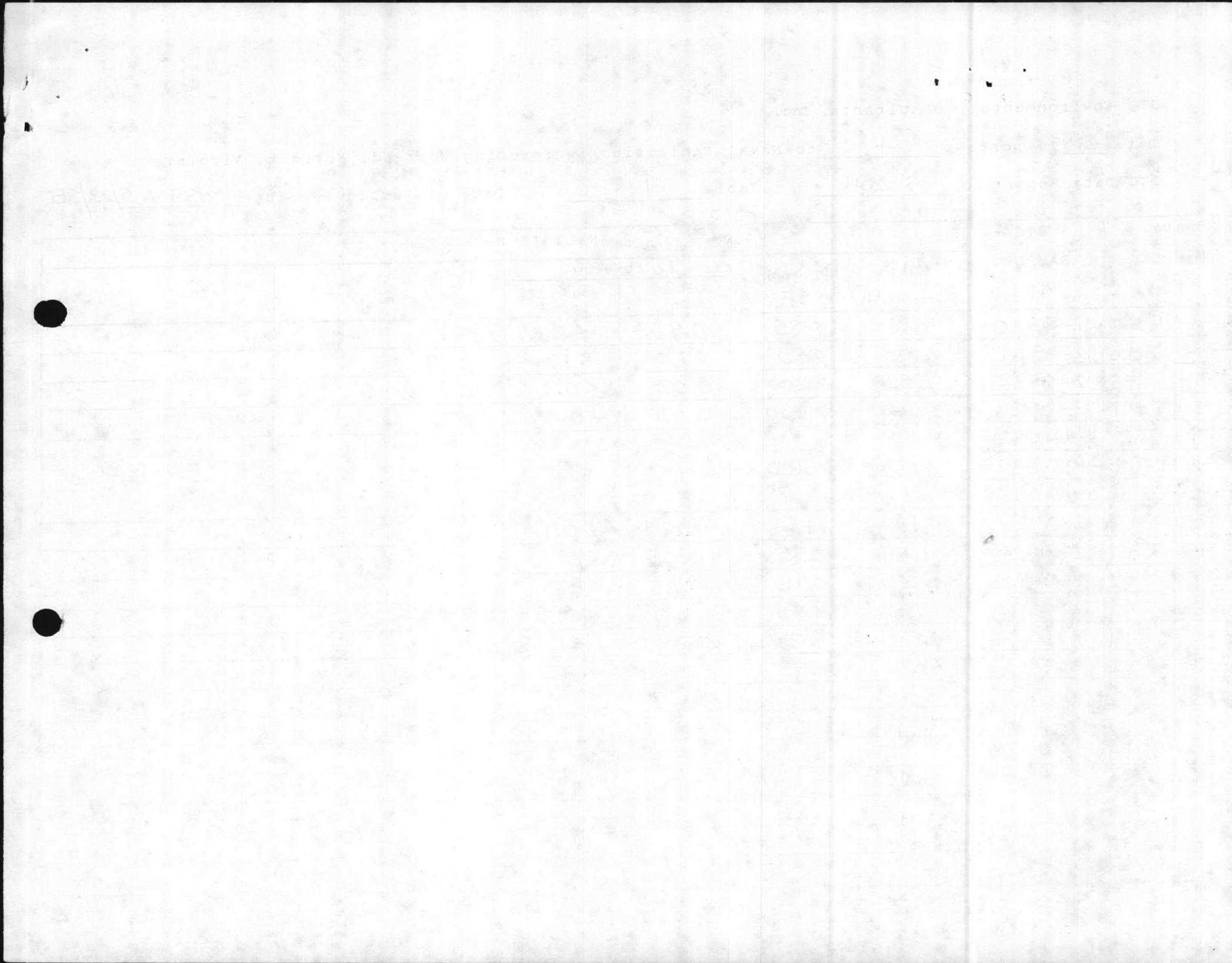
COMPILED BY ELIZABETH A. BETZ
7 AUGUST 1985

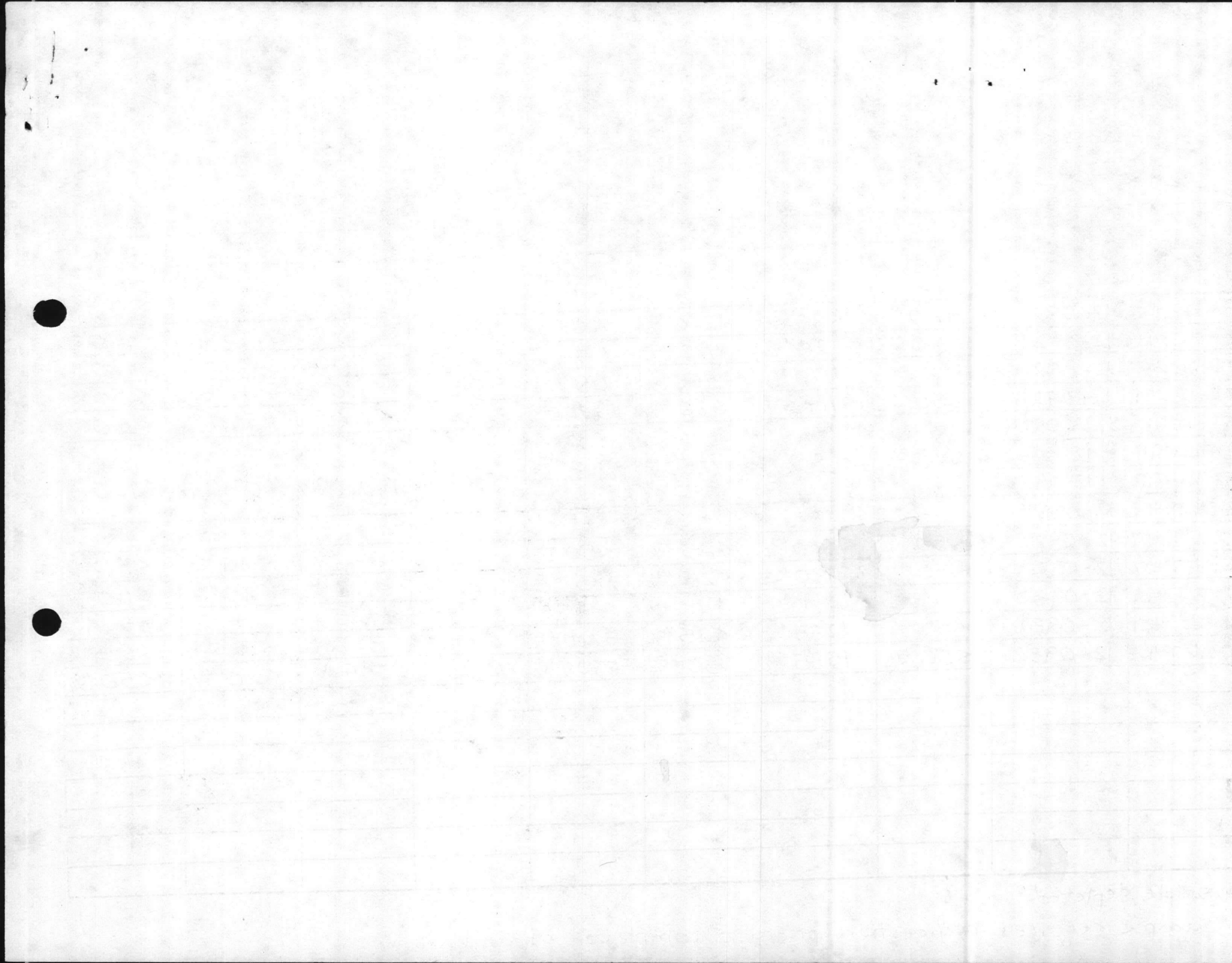
Please note the following:

- a. Navy sample ID #27H and 27I are two 55-gallon drums at Bldg 251. The barrels were labelled with H and I when they were sampled.

(ENCLOSURE 1)







6241/1
NREAD
7 August 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental
Branch
To: Director, Natural Resources and Environmental Affairs Division
Via: Supervisory Ecologist, Environmental Branch

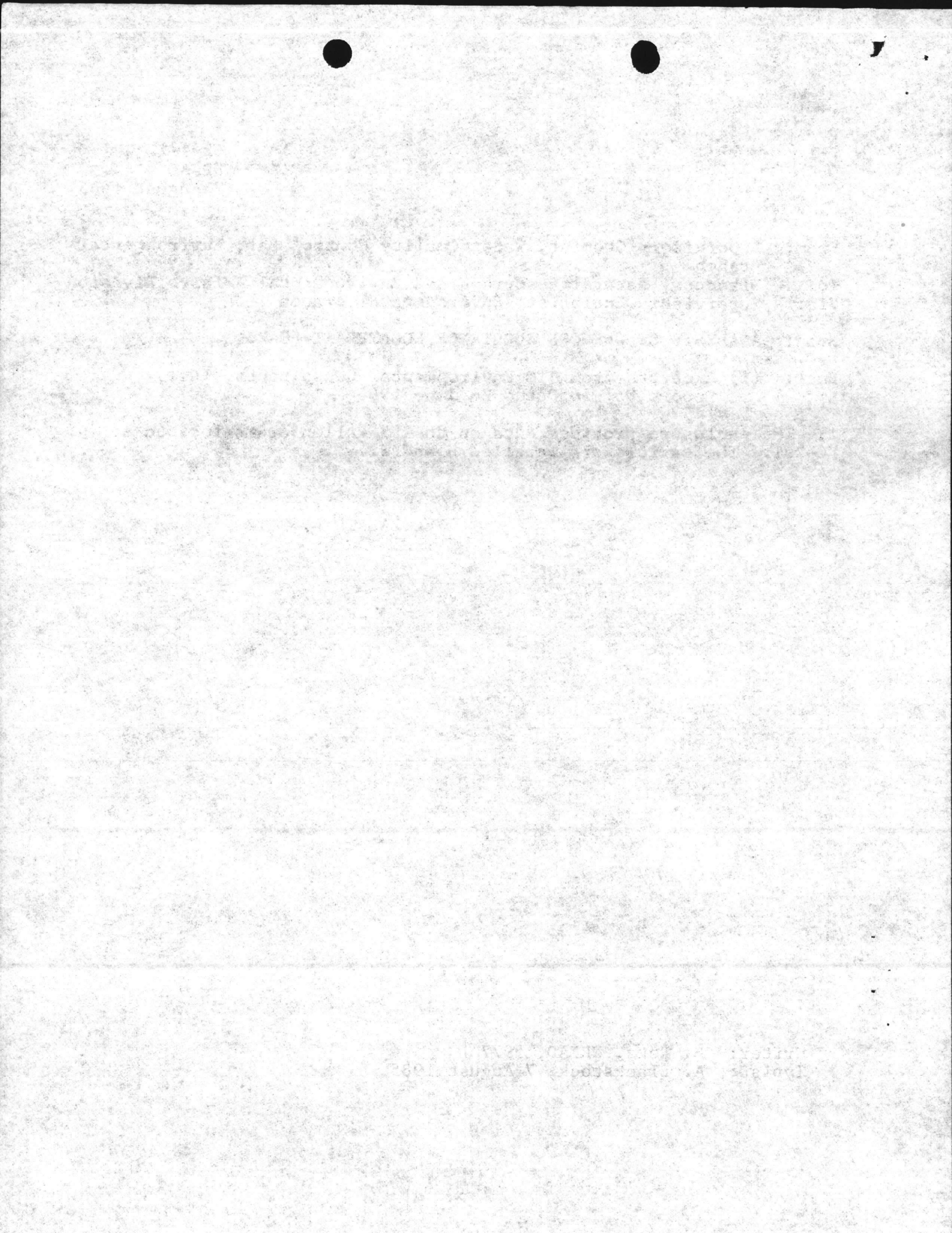
Subj: ANALYSIS OF UNKNOWN SUBSTANCE LOCATED AT FC-251

Encl: (1) Excerpts from JTC Environmental Consultants, Inc.
Report No. 54 Dated 28 June 1985

1. The enclosure provides data on the 55-gallon drums located at
FC-251. The barrels are labelled H and I.

ELIZABETH A. BETZ

Writer: E. Betz, NREAD, 5977
Typist: A. Blackstock, 7 August 1985



EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INC.
REPORT NO. 54, DATED 28 JUNE 1985

COMPILED BY ELIZABETH A. BETZ
7 AUGUST 1985

Please note the following:

- a. Navy sample ID #27H and 27I are two 55-gallon drums at Bldg 251. The barrels were labelled with H and I when they were sampled.

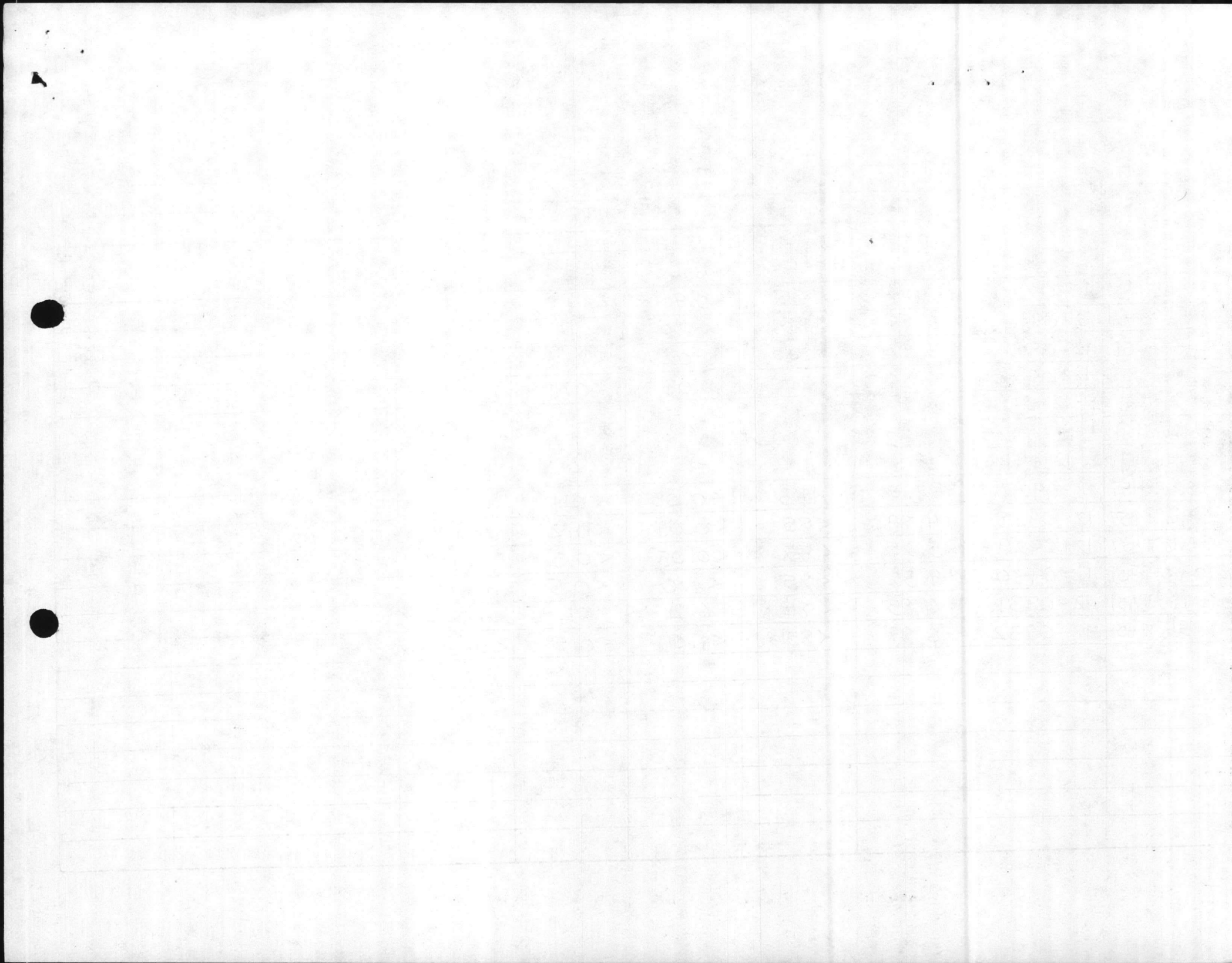
(ENCLOSURE 1)

CONFIDENTIAL - SECURITY INFORMATION

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CONFIDENTIAL - SECURITY INFORMATION



JTC Environmental Consultants, Inc.

Date 6-28-85 Report No. 54 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-254

Table 5

Date of Sample Receipt 3/28/85 & 5/23/85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As	Ba	Cd	Cr	Pb	Hg	Se	Ag
#23A Bldg HP100	12-0920	<1.0 mg/kg	<20 mg/kg	22.6 mg/kg	1.6 mg/kg	148 mg/kg	0.18 mg/kg	1.5 mg/kg	<1.0 mg/kg
#23B Bldg HP100	12-0921	<1.0 mg/kg	<20 mg/kg	4.8 mg/kg	1.4 mg/kg	0.8 mg/kg	<0.10 mg/kg	2.2 mg/kg	<1.0 mg/kg
#27H Bldg 251	12-0922	<50 ug/L	1170 ug/L	2440 ug/L	65 ug/L	9850 ug/L	<1.0 ug/L	141 ug/L	<50 ug/L
#27I Bldg 251	12-0923	290 ug/L	<1000 ug/L	680 ug/L	13,100 ug/L	3,120 ug/L	<1.0 ug/L	1960 ug/L	<50 ug/L
#28J Landfill	12-0924	2.3 mg/kg	<20 mg/kg	<0.50 mg/kg	2.3 mg/kg	4.5 mg/kg	<0.10 mg/kg	<0.40 mg/kg	<1.0 mg/kg
#28K Landfill	12-0925								
#28L Landfill	12-0926								
#29 Bldg TP457	12-0927	*	*	*	*	*	*	*	*
#30 Bldg TP457	12-0928	<50 ug/L	7800 ug/L	<25 ug/L	<50 ug/L	62.5 ug/L	22 ug/L	<20 ug/L	<50 ug/L
#31 Bldg TP457	12-0929	<50 ug/L	3130 ug/L	<25 ug/L	185 ug/L	21 ug/L	<1.0 ug/L	<20 ug/L	<50 ug/L
#320 Bldg TP451	12-0930	+	+	+	+	+	1925	+	+
#32P Bldg TP451	12-0931	<50 ug/L	1295 ug/L	<25 ug/L	63,600 ug/L	6250 ug/L	3.7 ug/L	<20 ug/L	<50 ug/L
#32Q Bldg TP451	12-0932	<50 ug/L	1535 ug/L	130 ug/L	93,900 ug/L	40,200 ug/L	7.9 ug/L	<20 ug/L	<50 ug/L

* sample depleted
 + sample requires redigestion prior to completion of analysis

11

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STATE OF CALIFORNIA



UNITED STATES MARINE CORPS
2d Force Service Support Group (Rein)
Fleet Marine Force, Atlantic
Camp Lejeune, North Carolina 28542-5701

IN REPLY REFER TO:

6280

48

19 Feb 1985

FIRST ENDORSEMENT on CO, 2d ANGLICO ltr 4400 S-4 of 14 Feb 1985

From: Commanding General
To: Commanding General, Marine Corps Base, Camp Lejeune NC
(Attn: Director, Natural Resources and Environmental Affairs)

Subj: REQUEST FOR ANALYSIS

1. Forwarded for action.

D. A. Cerveny
D. A. CERVENY
By direction

Copy to:
CO, 2d ANGLICO

*Sampled 28 MAR 85, by H, B.
Sample numbers 27 H and 27 I.*

UNITED STATES MARINE CORPS
HEADQUARTERS
MARINE CORPS
WASHINGTON, D.C.





UNITED STATES MARINE CORPS
2d Air and Naval Gunfire Liaison Company
Fleet Marine Force, Atlantic
Camp Lejeune, North Carolina 28542-7311

IN REPLY REFER TO:

4400
S-4
14 Feb 1985

From: Commanding Officer, 2d Air and Naval Gunfire Liaison Company
To: Commanding General, 2d Force Service Support Group (ENGR SPT)

Subj: REQUEST ANALYSIS OF UNKNOWN SUBSTANCE

1. It is requested an analysis check be run on 55 gallons of a unknown substance located at FC-251. POC this HQ, Sgt LONDON ext. 5212.

2. Cleaning solvent, battery acid and motor oil are used frequently.

G.A. Mattes
G.A. MATTES
By direction

1952
2-1
14-1-1952

To: Commanding General, 2d Air and Naval Logistic Group (ANLWG)
From: Commanding Officer, 2d Air and Naval Logistic Group (ANLWG)

SUBJECT: REPORT ANALYSIS OF UNKNOWN SUBSTANCE

1. It is requested an analysis check be run on 25 grams of an
unknown substance located at 10-151, 700 this HQ, 2d ANLWG
ext. 2312.

2. Cleaning solvent, battery acid and motor oil are used frequently.

C. A. WATERS
By Direction

6280
48
19 Feb 1985

FIRST ENDORSEMENT on CO, 2d ANGLICO ltr 4400 S-4 of 14 Feb 1985

From: Commanding General
To: Commanding General, Marine Corps Base, Camp Lejeune NC
(Attn: Director, Natural Resources and Environmental Affairs)

Subj: REQUEST FOR ANALYSIS

1. Forwarded for action.

D. A. CERVENY
By direction

Copy to:
CO, 2d ANGLICO

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1000 UNIVERSITY AVENUE
LOS ANGELES, CALIF. 90024



UNITED STATES MARINE CORPS
2d Air and Naval Gunfire Liaison Company
Fleet Marine Force, Atlantic
Camp Lejeune, North Carolina 28542-7311

IN REPLY REFER TO:

4400

S-4

14 Feb 1985

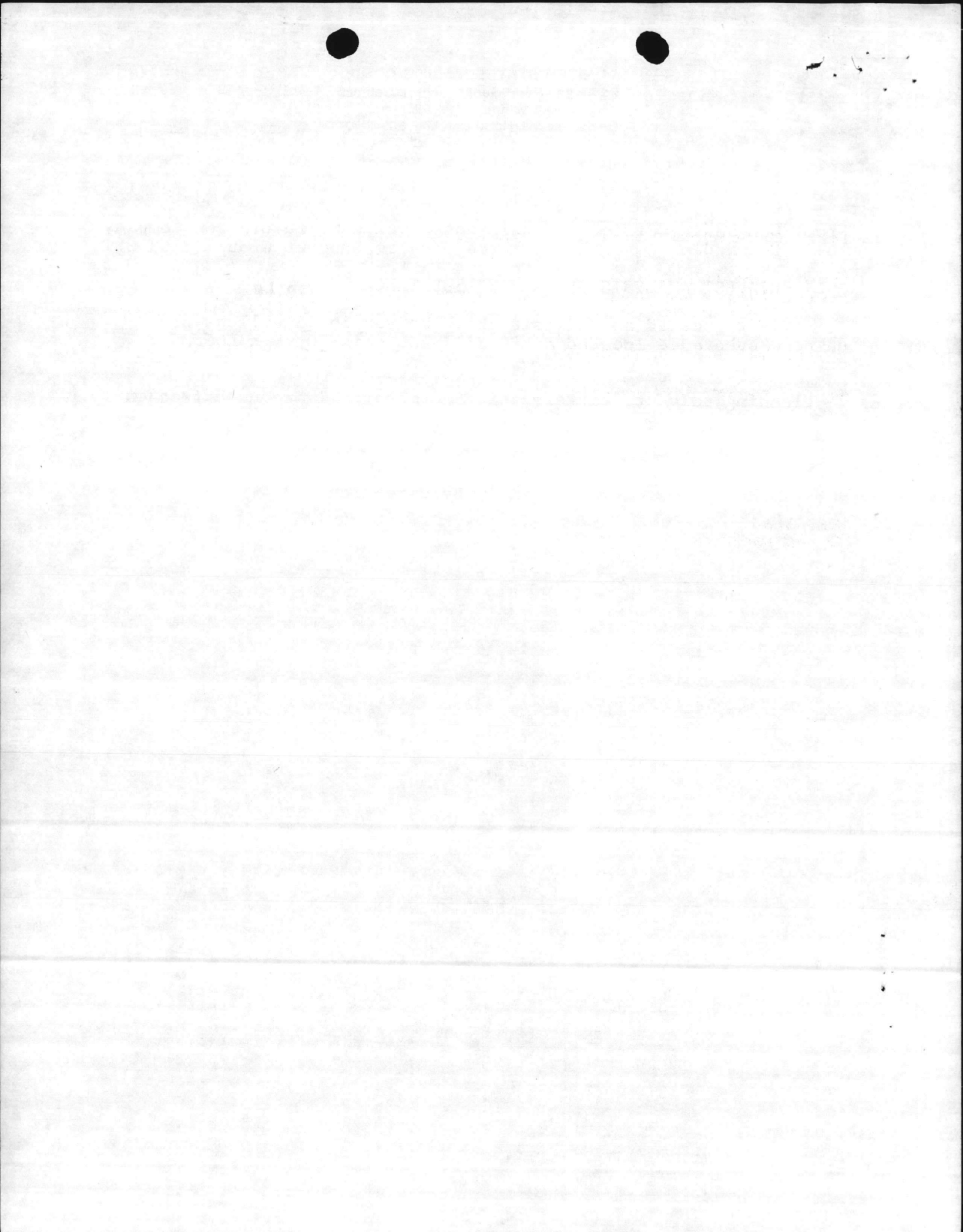
From: Commanding Officer, 2d Air and Naval Gunfire Liaison Company
To: Commanding General, 2d Force Service Support Group (ENGR SPT)

Subj: REQUEST ANALYSIS OF UNKNOWN SUBSTANCE

1. It is requested an analysis check be run on 55 gallons of a
unknown substance located at FC-251. POC this HQ, Sgt LONDON
ext. 5212.

2. Cleaning solvent, battery acid and motor oil are used frequently.

G.A. Mattes
G.A. MATTES
By direction



6280
48
19 Feb 1985

FIRST ENDORSEMENT on CO, 2d ANGLICO ltr 4400 S-4 of 14 Feb 1985

From: Commanding General
To: Commanding General, Marine Corps Base, Camp Lejeune NC
(Attn: Director, Natural Resources and Environmental Affairs)

Subj: REQUEST FOR ANALYSIS

1. Forwarded for action.

D. A. CERVENY
By direction

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CO, 2d ANGLICO

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UNITED STATES MARINE CORPS
2d Air and Naval Gunfire Liaison Company
Fleet Marine Force, Atlantic
Camp Lejeune, North Carolina 28542-7311

IN REPLY REFER TO:

4400

S-4

14 Feb 1985

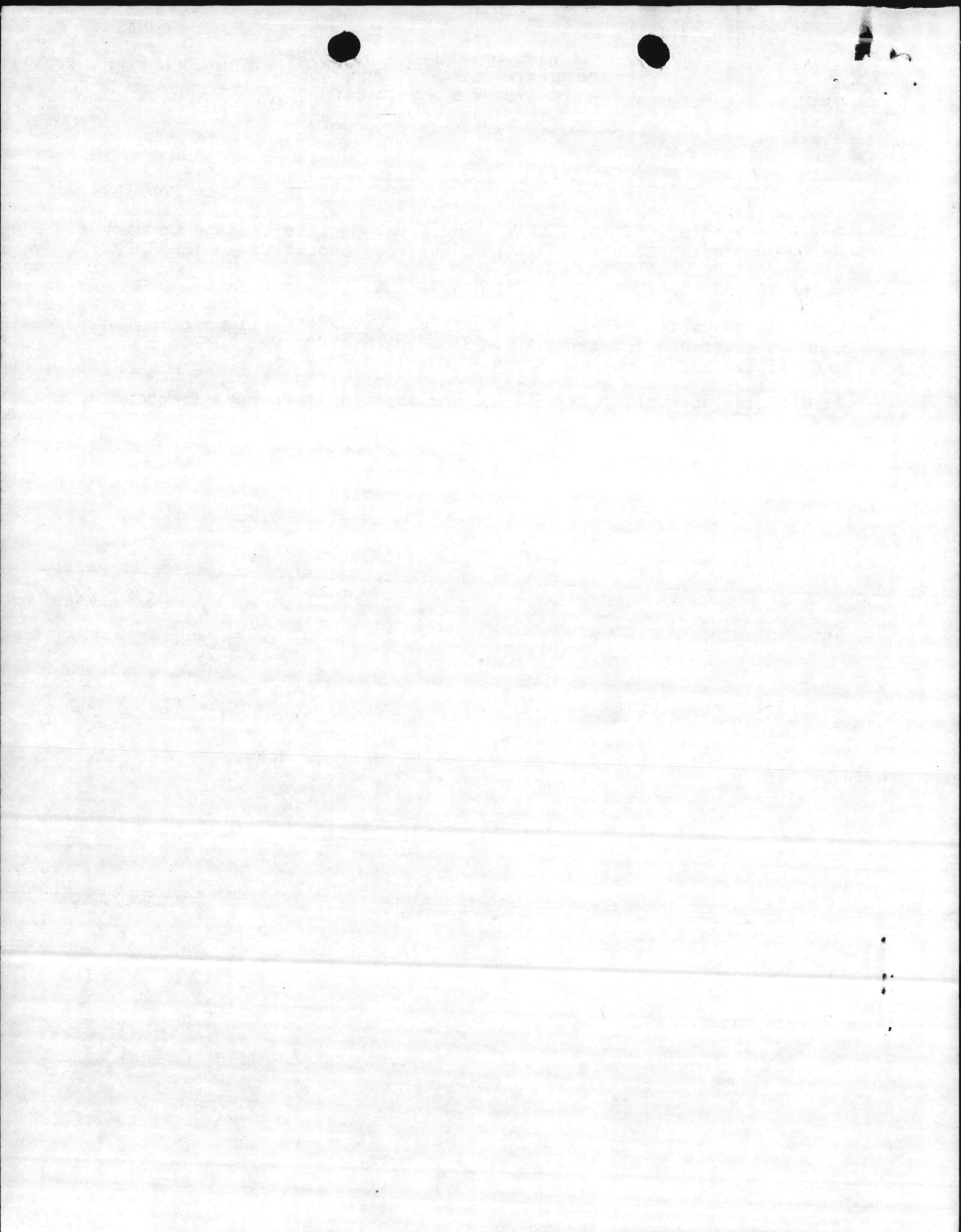
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To: Commanding General, 2d Force Service Support Group (ENGR SPT)

Subj: REQUEST ANALYSIS OF UNKNOWN SUBSTANCE

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unknown substance located at FC-251. POC this HQ, Sgt LONDON
ext. 5212.

2. Cleaning solvent, battery acid and motor oil are used frequently.

G.A. Mattes
G.A. MATTES
By direction



SAMPLE # 27H DATE COLLECTED 3/26/85 TIME COLLECTED 1150
 NAME OF COLLECTOR H: B LOCATION AND DESCRIPTION OF IT
 SAMPLED Bld 251

COMMENTS: 55 gal drum of unknown Marked (H)
yellow fibreglass (?) drum. Clear solution in contents.
oily.

SAMPLE # 27I DATE COLLECTED 3/28/85 TIME COLLECTED 1150
 NAME OF COLLECTOR H: B LOCATION AND DESCRIPTION OF IT
 SAMPLED Bld 251

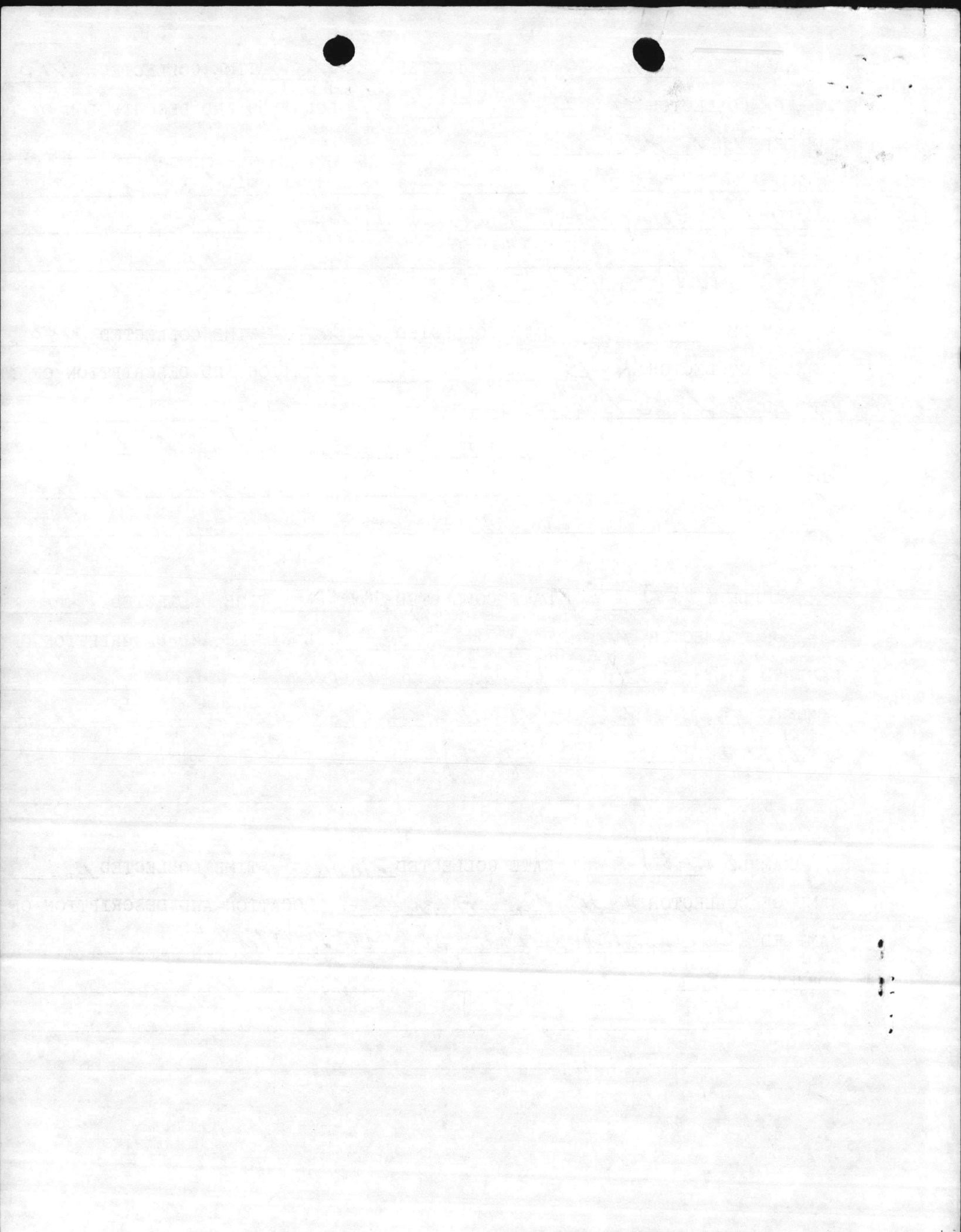
COMMENTS 55 gal drum of unknown Marked I
yellow w/ drum. Contents: clear solution, oily.

SAMPLE # 28 J DATE COLLECTED 29 MAR 85 TIME COLLECTED 1300
 NAME OF COLLECTOR MARTY, HUNYCUIT, BARBEE LOCATION AND DESCRIPTION OF
 SAMPLED Contaminated soil dumped at landfill

COMMENTS 5 piles from dump truck. Composite from covering soil. Sample
of six cores. Filled 3 quart jars.

SAMPLE # 28 K DATE COLLECTED 29 MAR 85 TIME COLLECTED 1300
 NAME OF COLLECTOR Marty, Hunycutt, Barber LOCATION AND DESCRIPTION OF
 SAMPLED Contaminated soil dumped at landfill

COMMENTS Same as 28 J



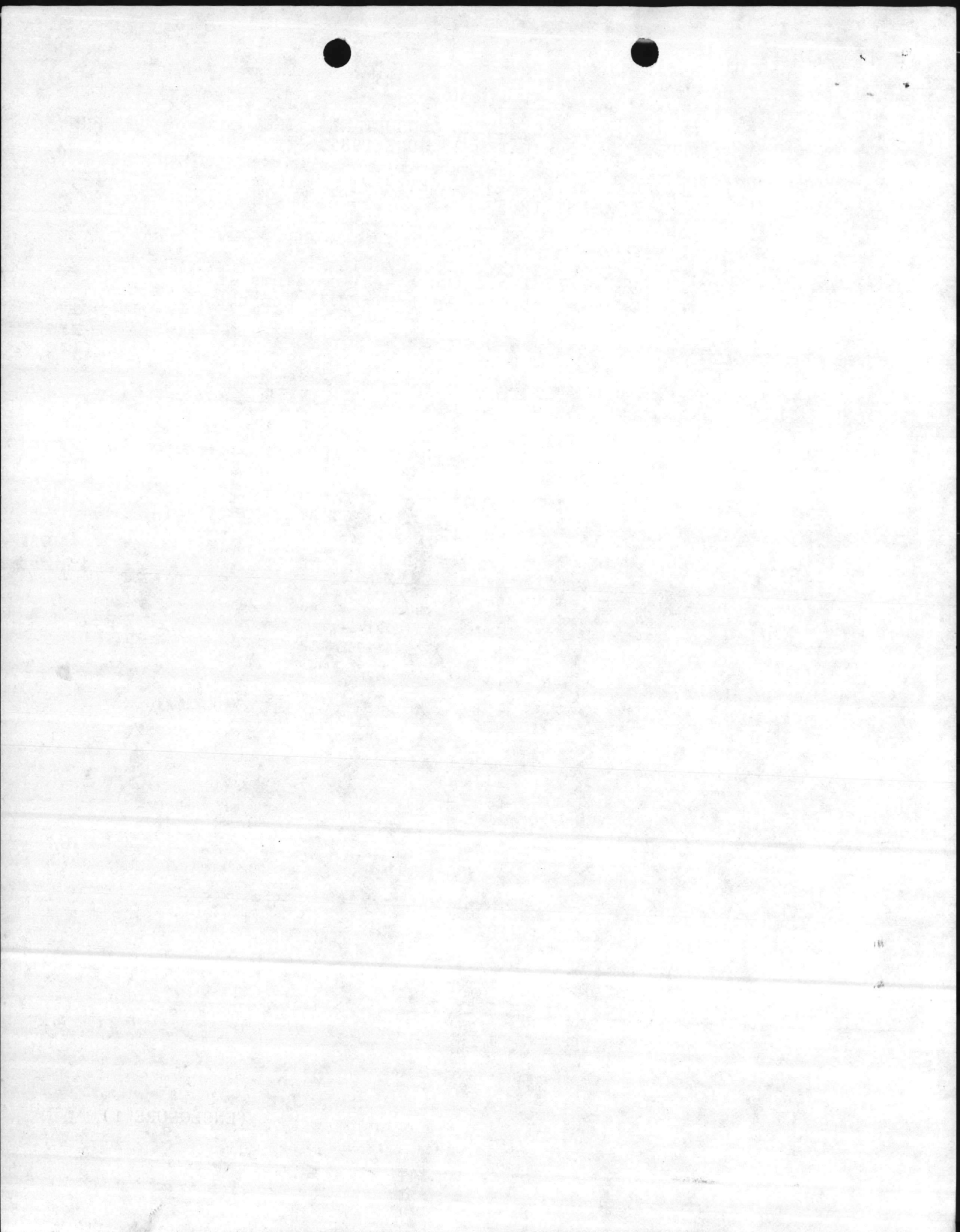
EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INC.
REPORT NO. 54, DATED 28 JUNE 1985

COMPILED BY ELIZABETH A. BETZ
7 AUGUST 1985

Please note the following:

- a. Navy sample ID #27H and 27I are two 55-gallon drums at Bldg 251. The barrels were labelled with H and I when they were sampled.

(ENCLOSURE 1)



CHARACTERISTICS	SAMPLE #27H	SAMPLE #27I	SAMPLE #86-	SAMPLE #86-0	SAMPLE #86-0	SAMPLE #86-	SAMPLE #86-	SAMPLE #86-
Corrosivity: pH	CORROSIVE 1.52	CORROSIVE <1.0						
Ignitability: Flash Point (140°F)	>200°F	>200°F						
Reactivity Cyanide (250mg /kg)	mg/L 0.02	mg/L 0.03						
Sulfide (500mg /kg)	<0.1	<0.1						
Toxicity-Limits As (5 ppm)	mg/L <0.05	mg/L 0.290						
Ba (100 ppm)	1.17	<1.0						
Cd (1 ppm)	2.44	0.68						
Cr (5 ppm)	0.065	13.1						
Pb (5 ppm)	9.85	3.12						
Hg (0.2 ppm)	<0.001	<0.001						
Se (1.0 ppm)	0.141	1.94						
Ag (5 ppm)	<0.05	<0.05						
PCB mg/9	<1	<5						
Total Organic Halogen %	NOT TESTED →							
Recommended EPA Hazardous Waste ID#	D002	D002						
Comments: Secondary EPA Hazardous Waste ID #'s which should be shown	D006 D008	D007 D010						

Prepared by: Elizabeth Betz Date: 21 Nov 86

ENCLOSURE (2)

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6240/1
NREAD
12 Sep 1985

From: Director, Natural Resources and Environmental Affairs
Division, Marine Corps Base, Camp Lejeune
To: Commanding Officer, Marine Corps Air Station, New River
(Attn: Grounds Safety Manager)

Subj: LABORATORY ANALYSIS OF HAZARDOUS MATERIAL; RESULTS OF

Ref: (a) CO, MCAS, New River ltr 5100/222 of 10 May 1985

Encl: (1) JTC Environmental Consultants, Inc. Report No. 88
dated 6 Aug 1985
(2) Hazardous Wastes Characteristic Analysis of Air Station
Barrels dated 11 Sep 1985

1. Enclosures (1) and (2) provide data requested by the reference for 26 drums stored at the Air Station's Hazardous Waste Storage Area. The drums were marked with the sample numbers at the time of collection. The drums with sample numbers 38, 39, 41, 42, 43 and 44 will have to be sampled again due to breakage of samples during shipment to commercial laboratory.

2. Enclosure (2) summarizes the data in enclosure (1) and also includes the EPA hazardous waste ID number. Point of contact in this matter is Ms. Elizabeth Betz, Natural Resources and Environmental Affairs Division, telephone extension 5977.

J. I. WOOTEN

Blind copy (w/o encl) to:
SupvChemist

AS
BARRELS

Writer: E. Betz, NREAD 5977
Typist: J. Cross 12Sep85

Faint, illegible text, possibly bleed-through from the reverse side of the page. The text is too light to transcribe accurately.

Faint, illegible text, possibly bleed-through from the reverse side of the page.



6240/1
NREAD
12 Sep 1985

From: Director, Natural Resources and Environmental Affairs
Division, Marine Corps Base, Camp Lejeune
To: Commanding Officer, Marine Corps Air Station, New River
(Attn: Grounds Safety Manager)

Subj: LABORATORY ANALYSIS OF HAZARDOUS MATERIAL; RESULTS OF

Ref: (a) CO, MCAS, New River ltr 5100/222 of 10 May 1985

Encl: (1) JTC Environmental Consultants, Inc. Report No. 88
dated 6 Aug 1985
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Barrels dated 11 Sep 1985

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J. I. WOOTEN

Blind copy (w/o encl) to:
SupvChemist

Writer: E. Betz, NREAD 5977
Typist: J. Cross 12Sep85

6241/1
NREAD

SEP 11 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental Branch
To: Director, Natural Resources and Environmental Affairs Division
Via: Supervisory Ecologist, Environmental Branch

Subj: LABORATORY ANALYSIS OF HAZARDOUS MATERIAL; RESULTS OF

Ref: (a) CO, MCAS(H) New River Ltr 5100/222 of 10 May 1985

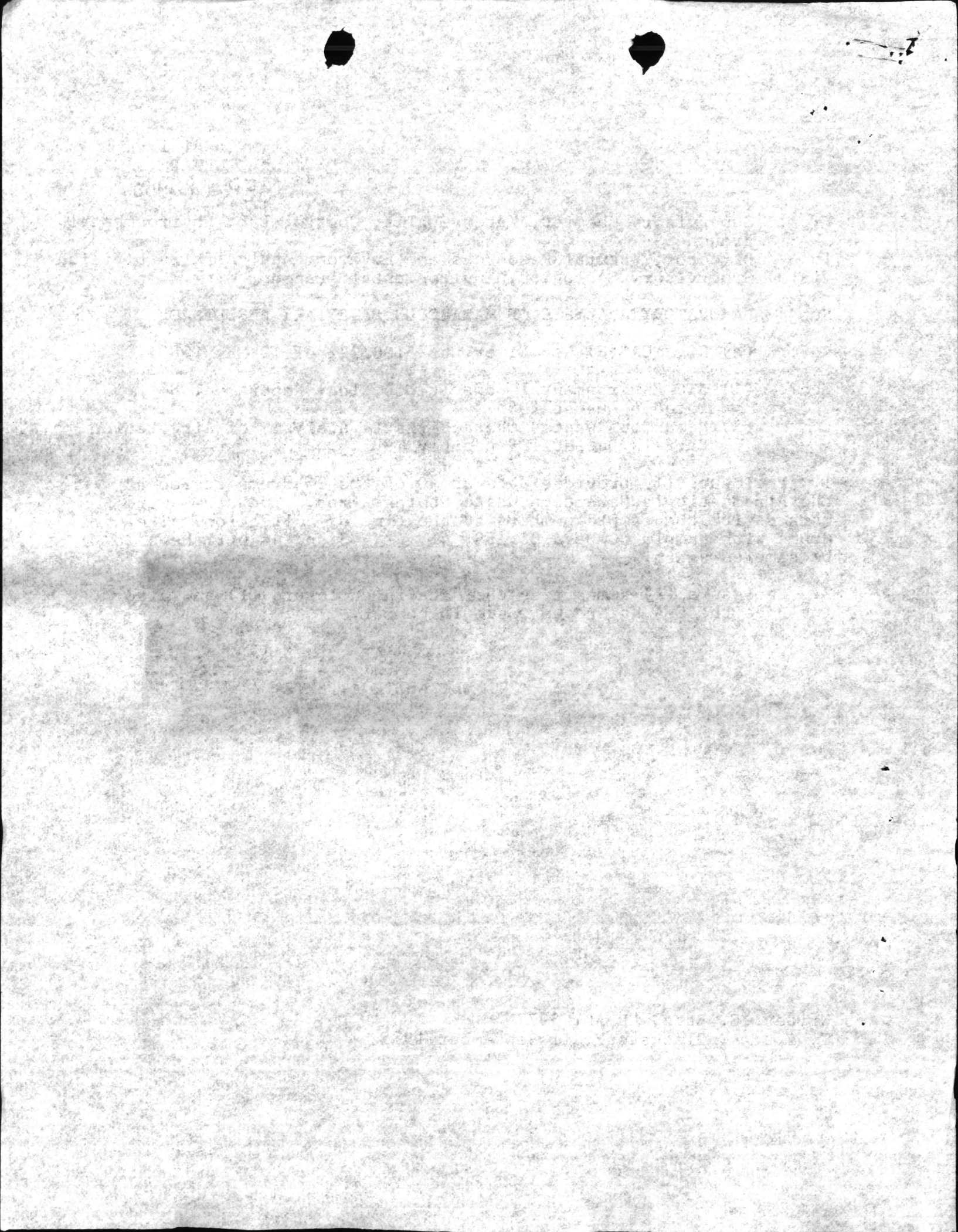
Encl: (1) JTC Environmental Consultants, Inc. Report No. 88
Dated 6 August 1985
(2) Hazardous Wastes Characteristic Analysis of Air Station
Barrels Dated 11 September 1985

1. Enclosure (1) provides data on 20 of the 26 drums stored at the Air Station's Hazardous Waste Storage Area. The drums were marked with the sample numbers at the time of collection. The drums with sample numbers 38, 39, 41, 42, 43 and 44 will have to be sampled again.

2. Enclosure (2) summarizes the data in enclosure (1) and also includes the EPA hazardous waste ID number.

ELIZABETH A. BETZ

Writer: E. Betz, NREAD, 5977
Typist: A. Blackstock, 11 September 1985



0104 901 4901

DATE 12 AUG 85

FROM

LANTON COOR 1142

FILE NUMBER

6280 1142A/C

SUBJECT

WASTE OIL TESTS

REFERENCE

TO: MCO CAMP LABRUNE
BASK MAINTENANCE
ENVIRONMENTAL AFFAIRS
DIVISION

ENCLOSURE

(1) JTC #88 (RECEIVED)
12 AUG 85

This form may be used in a window envelope.

VIA

Endorsement on

FORWARDED RETURNED FOLLOW-UP REQUEST ADVISE SUBMIT

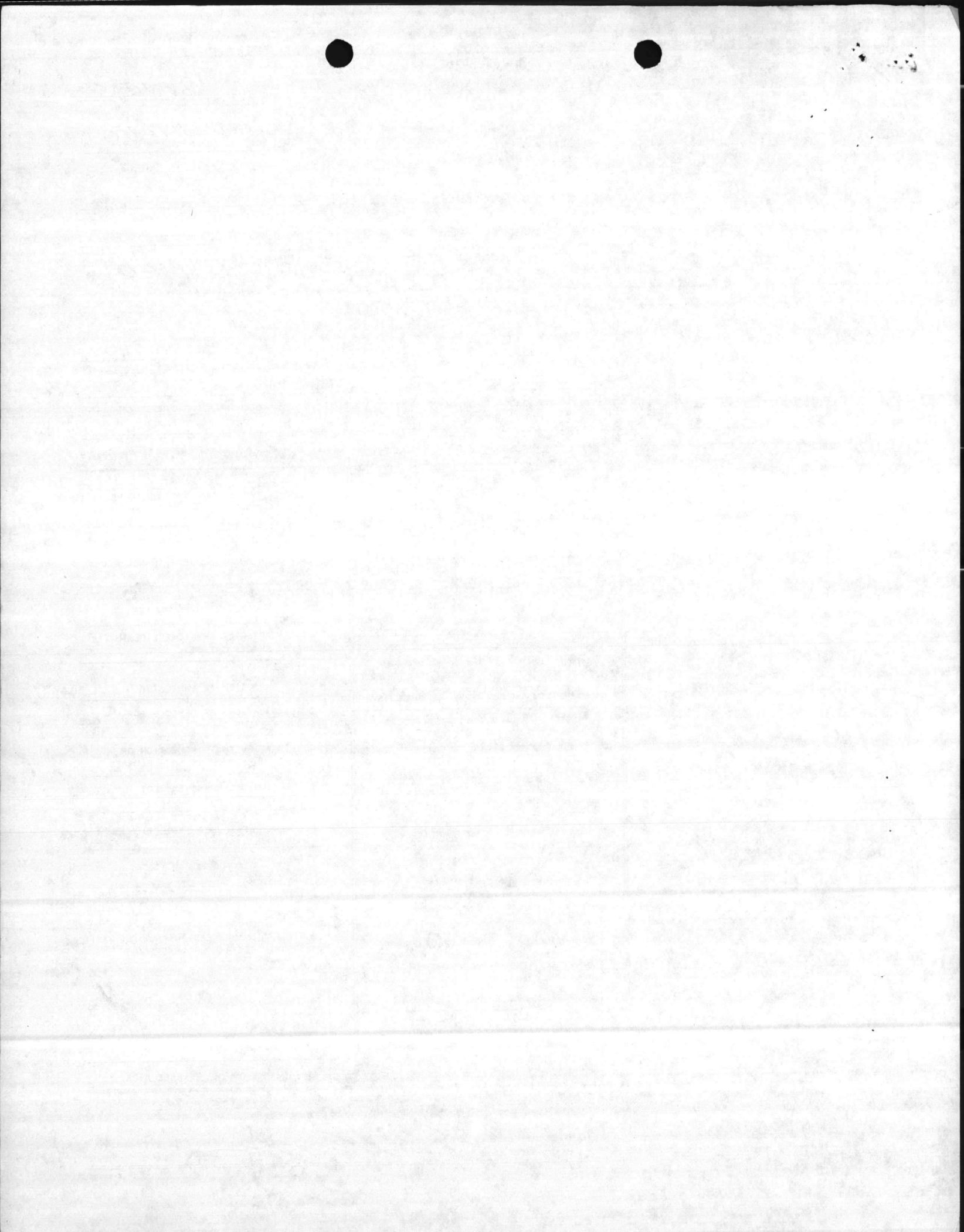
X	MESSAGE	X	MESSAGE	X	MESSAGE
<input checked="" type="checkbox"/>	FOR APPROPRIATE ACTION		SUBJECT DOCUMENT(S) WAS/WERE FORWARDED TO YOUR OFFICE AS A MATTER UNDER YOUR JURISDICTION.		CERTIFY ENCLOSURE _____ AS TO RECEIPT AND ACCEPTANCE OF MATERIAL AND FORWARD TO _____
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	APPROVAL <input type="checkbox"/> IS <input type="checkbox"/> IS NOT RECOMMENDED		ENCLOSURE(S) _____ IS/ARE FORWARDED AS REQUESTED BY REFERENCE _____		_____ COPIES OF APPLICABLE PLANS AND/OR SPECIFICATIONS.
	CONCURRING IN RECOMMENDATIONS MADE IN THE BASIC CORRESPONDENCE.		ENCLOSURE(S) IS/ARE RETURNED FOR CORRECTION AS INDICATED.		FOR PLAN ACTION AS INDICATED
	COMMENTS AND/OR RECOMMENDATIONS.		CORRECTED ENCLOSURE(S) AS REQUESTED		CLASSIFICATIONS OF DEFECTS FOR SUBJECT ITEMS
	MAILING LIST ACTION		SUBJECT PERSON'S ATTENTION SHOULD BE INVITED TO THIS MATTER		CONFIRMATION THAT INSPECTION OR SOURCE INSPECTION IS NOT REQUIRED
	FOR ASSIGNMENT OF BUREAU FILE NUMBER(S)		SUBJECT PERSON(S) REPORTED TO THIS COMMAND		INSPECTION UNDER THE SUBJECT SUBCONTRACT IS NOT REQUIRED
	ON A LOAN BASIS RETURN BY _____		SUBJECT PERSON(S) COMPLETED HIS/THEIR DUTY AND WAS/WERE DETACHED FROM THIS COMMAND		_____ COPIES OF SUBJECT PURCHASE DOCUMENT. IF SOURCE INSPECTION OR PROGRESSING IS REQUIRED
	SIGN ORIGINAL RECEIPT AND RETURN TO THIS OFFICE.		NAME AND LOCATION OF SUPPLIER OF SUBJECT ITEMS.		STATUS OF MATERIAL ON SUBJECT PURCHASE DOCUMENT
	SUBJECT FILES, WHICH ARE LOCATED IN BOX NO. _____ SHIPMENT NO. _____		SUBCONTRACT NUMBER FOR SUBJECT ITEM		CLEARANCE AS INDICATED IN BASIC CORRESPONDENCE VERIFIED. NO REPLY UNLESS NEGATIVE.
	REPLY TO THE ABOVE REFERENCE(S) BY _____		SUBJECT PURCHASE DOCUMENT HAS BEEN REQUESTED AND WILL BE FORWARDED WHEN RECEIVED.		VERIFICATION OF NEED-TO-KNOW FOR VISIT PERSONNEL CLEARANCES VERIFIED.
	_____ COPY(IES) OF REFERENCE DESCRIBED ABOVE WAS/WERE NOT RECEIVED.		ENDORSEMENT _____ OF SUBJECT SUBCONTRACT IS BEING DELAYED PENDING RECEIPT OF BASIC PURCHASE DOCUMENT.		
	SUBJECT DOCUMENT(S) WAS/WERE FORWARDED TO _____		APPROPRIATION SYMBOL SUBHEAD AND CHARGEABLE ACTIVITY		
	SUBJECT DOCUMENT(S) IS/ARE WAS/WERE RETURNED FOR _____		WHETHER SUBJECT ITEMS ARE TO BE COMMERCIALY SHIPPED OR AT GOVERNMENT EXPENSE		
			A CERTIFICATE IN LIEU OF SUBJECT BILL OF LADING WHICH HAS BEEN LOST.		SEE REMARKS ON THE REVERSE SIDE.

COPY TO

114,1145

SIGNATURE

Paul Wood



REPORT # 88
LABORATORY ANALYSIS ON
NAVAL SAMPLES
(A/E CONTRACT N62470-84-B-6932)
JTC REPORT # 85-313

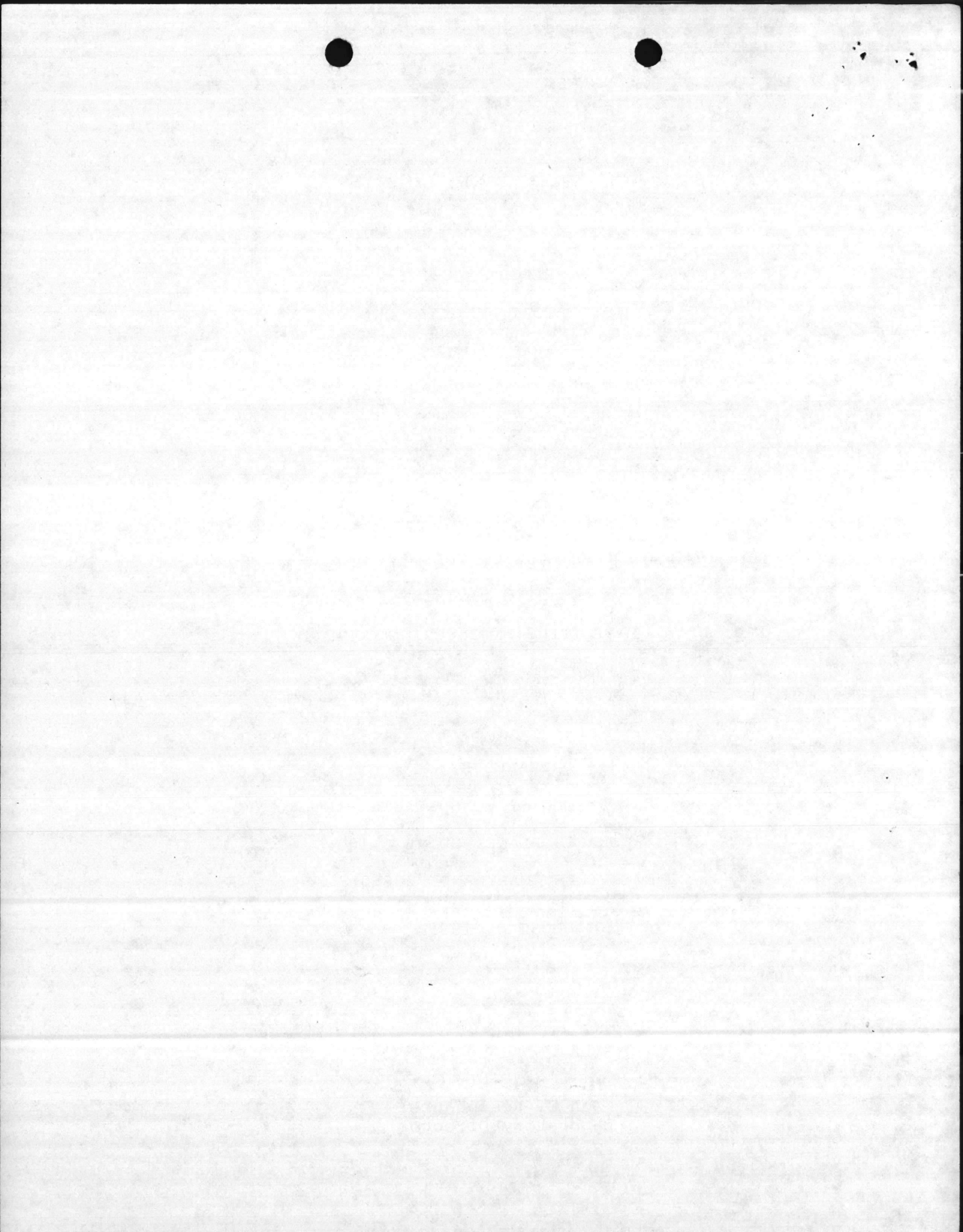
PREPARED FOR:
DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VA 23511

PREPARED BY:
JTC ENVIRONMENTAL CONSULTANTS, INC.
4 RESEARCH PLACE, SUITE L-10
ROCKVILLE, MARYLAND 20850

AUGUST 6, 1985

Ann E. Rosecrance

Ann E. Rosecrance
Laboratory Director



JTC Environmental Consultants, Inc.

Date 8-6-85 Report No. 88 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-313

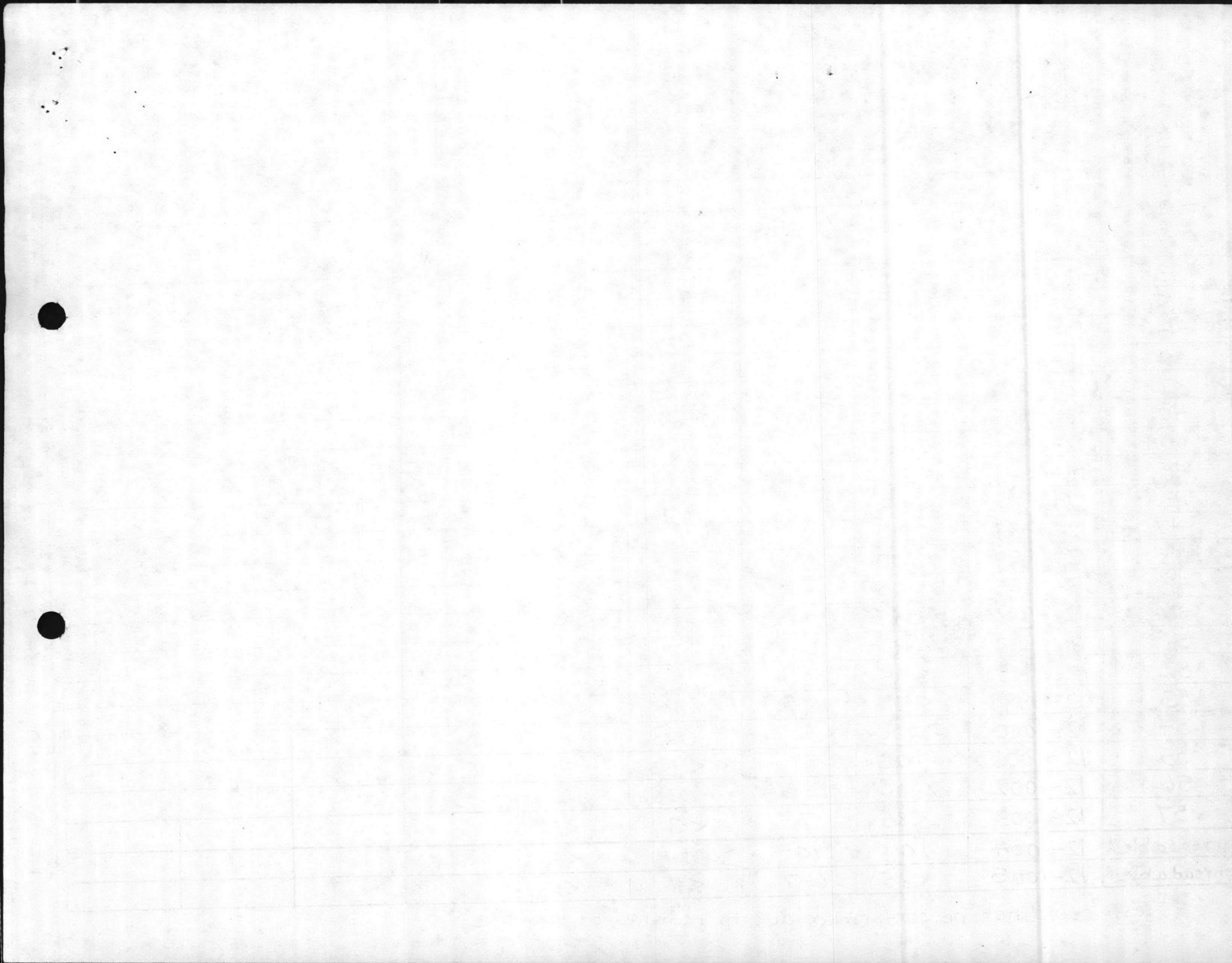
Table 1

Date of Sample Receipt 6-28-85

Camp Lejeune

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER					
		Flashpoint °F	Corrosivity (pH)	Reactivity			
				Cyanide mg/kg	Sulfide mg/kg		
#33	12-0984	130	†	2	<5		
34	12-0985	117	6-7	2	<5		
35	12-0986	95	6-7	0.6	<5		
36	12-0987	<85	6-7	3	<5		
37	12-0988	118	10	0.5	<5		
40	12-0989	>200	6-7	1	<5		
40A	12-0990	<85	6	2	<5		
45	12-0991	<85	5	0.4	<5		
46	12-0992	<85	6-7	1	<5		
47	12-0993	<85	5	1	<5		
48	12-0994	>200	5	2	<5		
49	12-0995	>200	6-7	1	<5		
50	12-0996	<85	7	3	<5		
51	12-0997	110	6	1	<5		
52	12-0998	<85	8	2	<5		
53	12-0999	<85	11-12	1	<5		
54	12-1000	>200	5	0.3	<5		
55	12-1001	105	8	<1	<5		
56	12-1002	>200	5-6	0.8	12		
57	12-1003	<85	7	<3	<5		
unreadable A	12-1004	101	10	0.4	<5		
unreadable B	12-1005	<85	6-7	<4	<5		

† test could not be performed due to nature of sample



JTC Environmental Consultants, Inc.

Date 8-6-85 Report No. 88 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-313

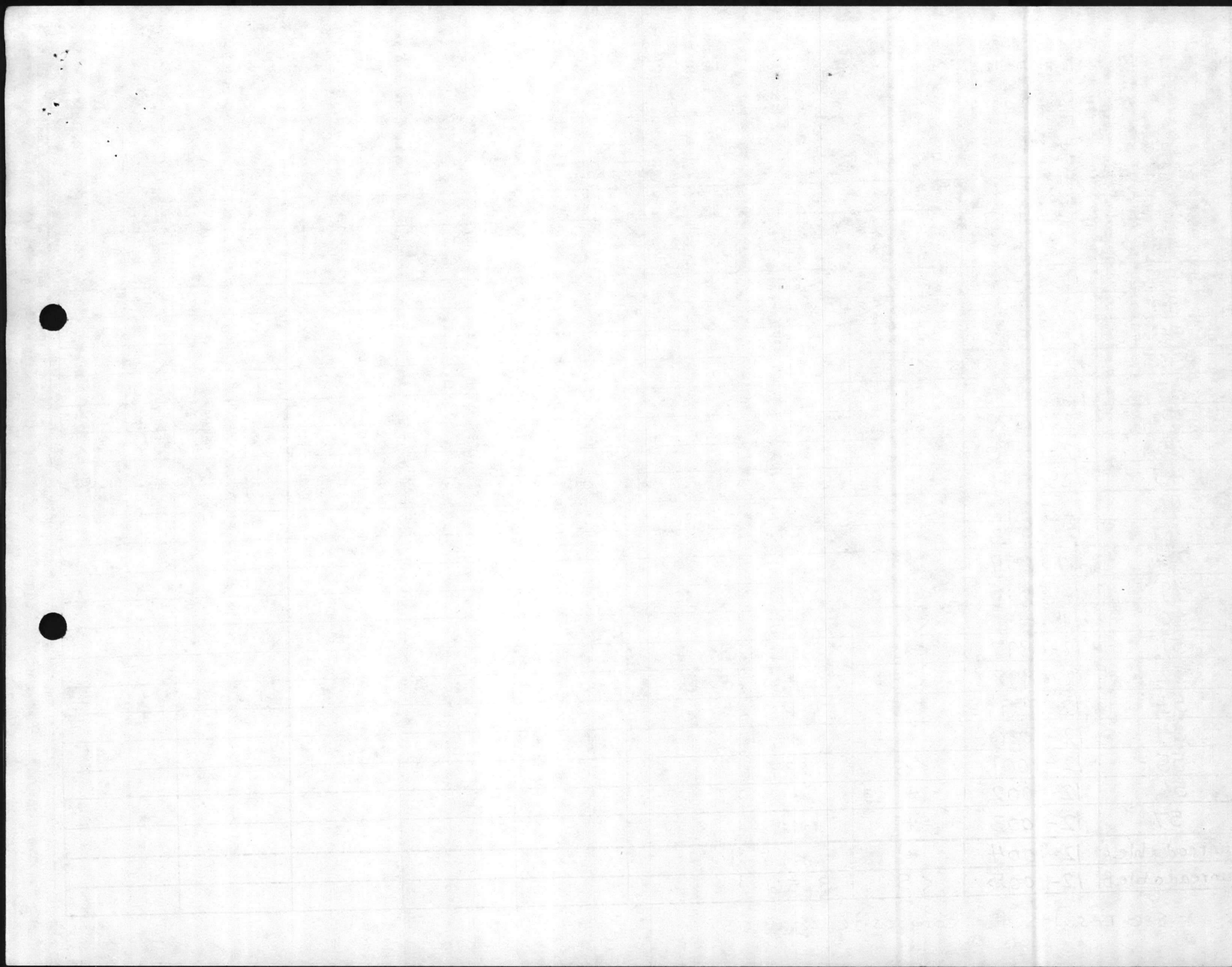
Table 2

Date of Sample Receipt 6-28-85

Camp Lejeune

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER					
		PCB mg/lg	TOX %				
#33	12-0984	<10	0.09				
34	12-0985	<5	0.07				
35	12-0986	<5	6.05				
36	12-0987	<5	0.10				
37	12-0988	*	*				
40	12-0989	*	*				
40A	12-0990	*	*				
45	12-0991	*	*				
46	12-0992	<5	3.52				
47	12-0993	*	*				
48	12-0994	*	*				
49	12-0995	<5	0.08				
50	12-0996	<5	0.35				
51	12-0997	<10	3.07				
52	12-0998	<5	0.10				
53	12-0999	<5	54.4				
54	12-1000	*	*				
55	12-1001	<5	1.34				
56	12-1002	*	*				
57	12-1003	*	*				
unreadableA	12-1004	*	*				
unreadableB	12-1005	<5	3.56				

* see results for composite analysis



JTC Environmental Consultants, Inc.

Date 8-5-85 Report No. 88 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-313

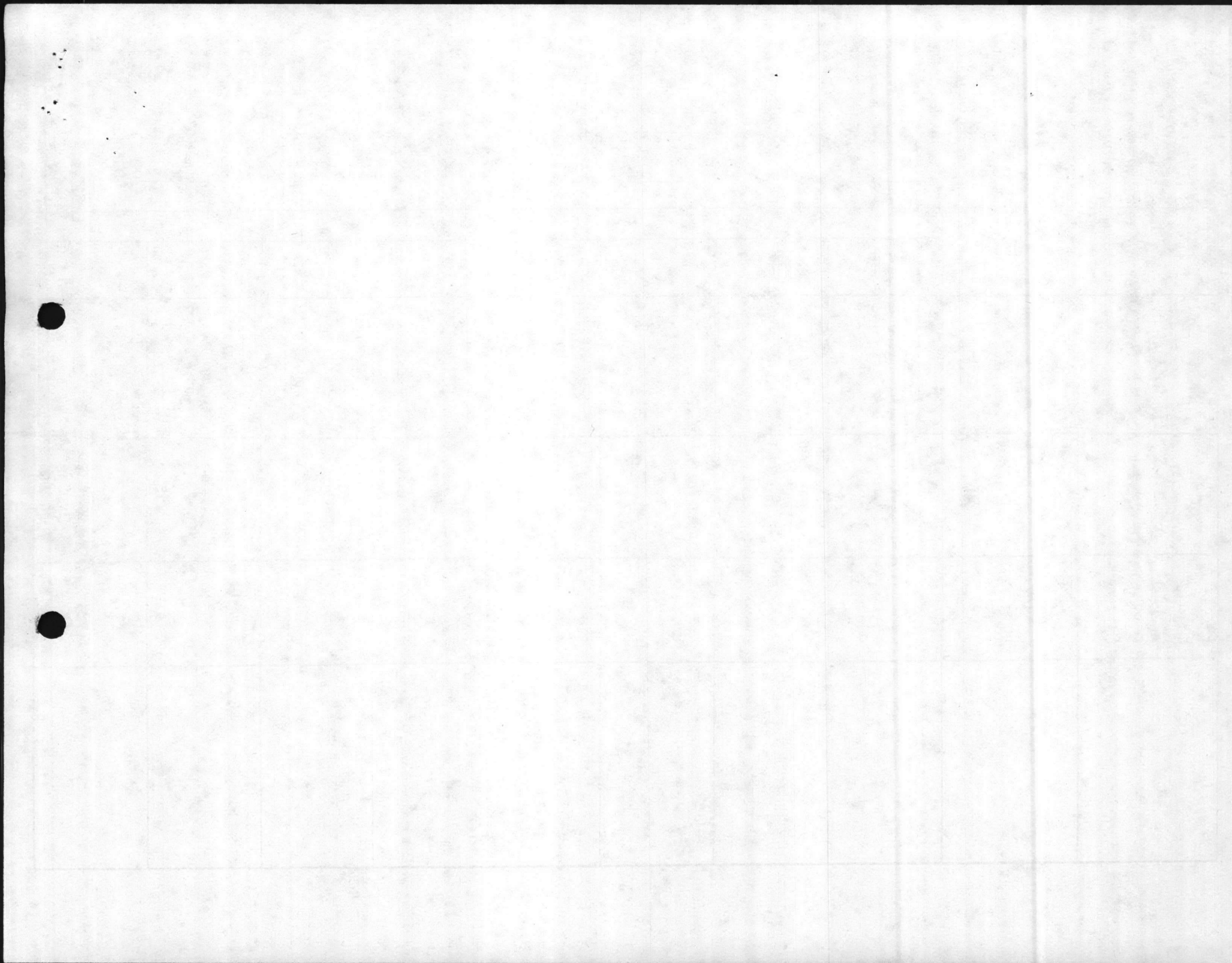
Table 3

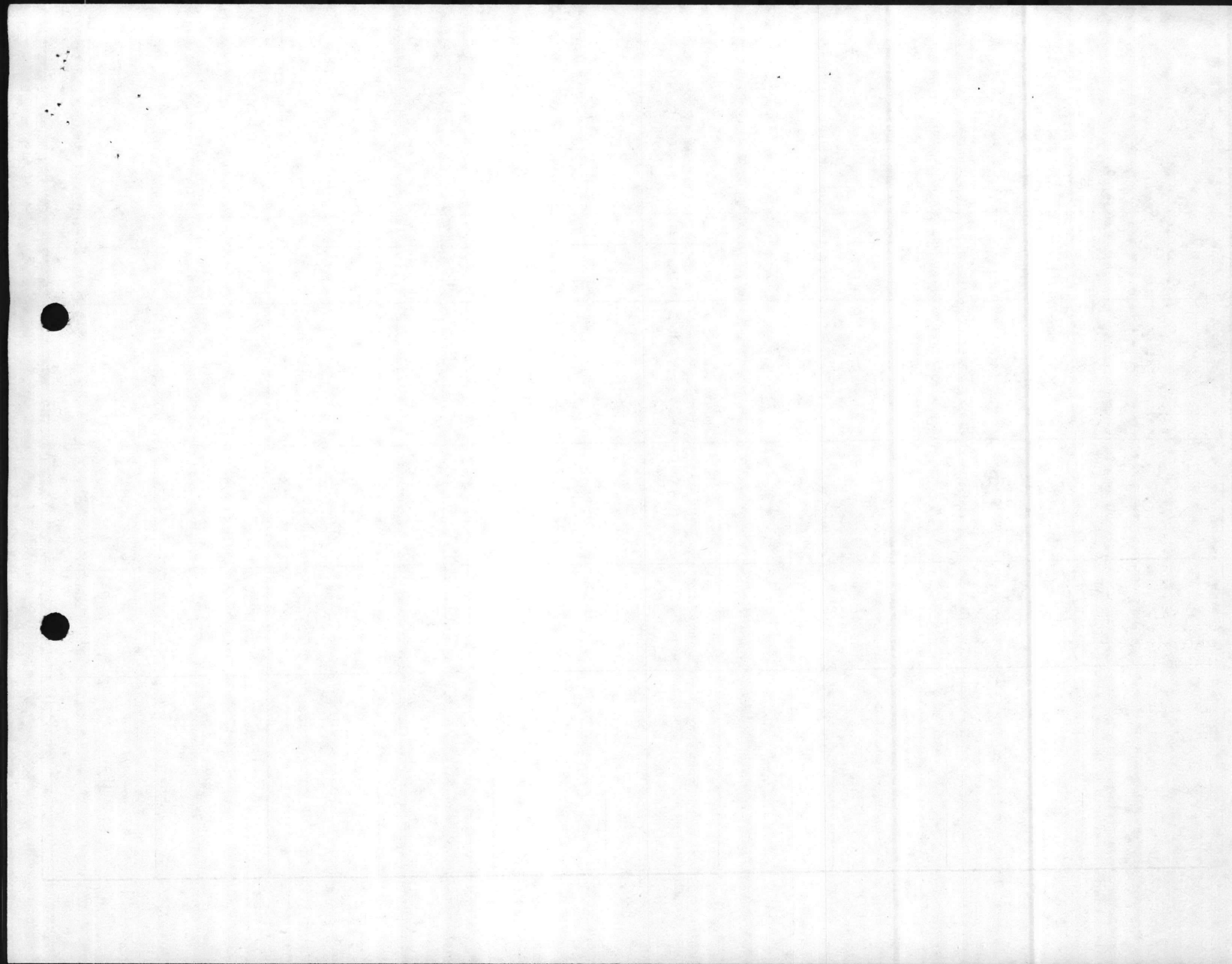
Date of Sample Receipt 6-28-85

Camp Lejeune

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As mg/kg	Ba mg/kg	Cd mg/kg	Cr mg/kg	Pb mg/kg	Hg mg/kg	Se mg/kg	Ag mg/kg
#33	12-0984	<1	30	<1	160	440	0.06	<1	<1
34	12-0985	<1	100	<1	<10	<5	<0.05	<1	<1
35	12-0986	<1	500	13	320	20	<0.05	<1	<1
36	12-0987	<1	<20	<1	30	100	<0.05	<1	<1
37	12-0988	*	*	*	*	*	*	*	*
40	12-0989	*	*	*	*	*	*	*	*
40A	12-0990	*	*	*	*	*	*	*	*
45	12-0991	*	*	*	*	*	*	*	*
46	12-0992	<1	<20	2	2100	5	0.13	<1	<1
47	12-0993	*	*	*	*	*	*	*	*
48	12-0994	*	*	*	*	*	*	*	*
49	12-0995	<1	<20	<1	<10	20	<0.05	<1	<1
50	12-0996	<1	100	3	300	900	0.25	<1	<1
51	12-0997	<1	100	1	30	40	<0.05	<1	<1
52	12-0998	<1	<20	<1	1600	<5	<0.05	<1	<1
53	12-0999	<1	500	<1	5400	<5	<0.05	<1	<1
54	12-1000	*	*	*	*	*	*	*	*
55	12-1001	<1	50	3	1200	7	<0.05	<1	<1
56	12-1002	*	*	*	*	*	*	*	*
57	12-1003	*	*	*	*	*	*	*	*
unreadable A	12-1004	*	*	*	*	*	*	*	*
unreadable B	12-1005	<1	<20	5	1600	60	0.71	<1	<1

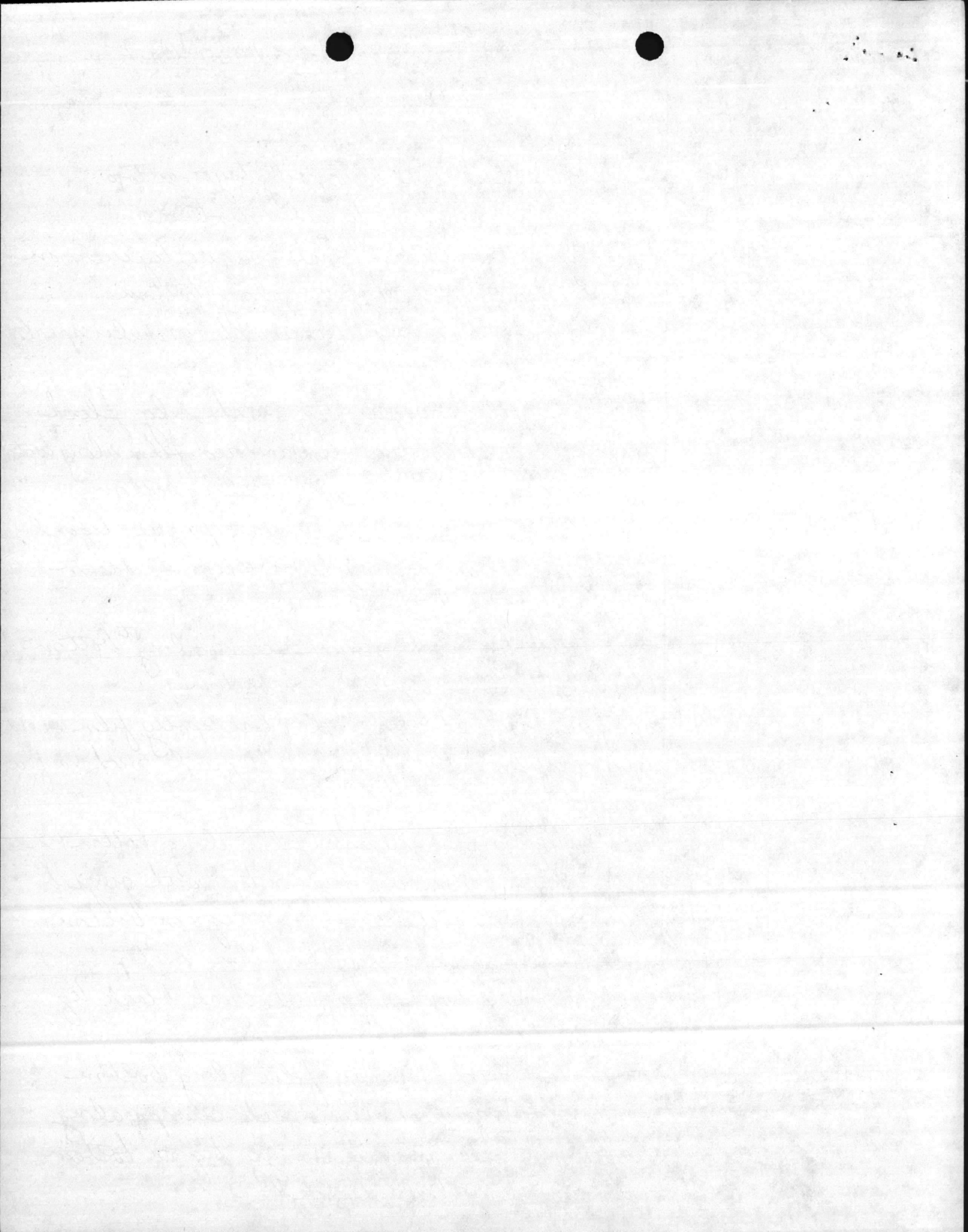
* see results for composite analysis



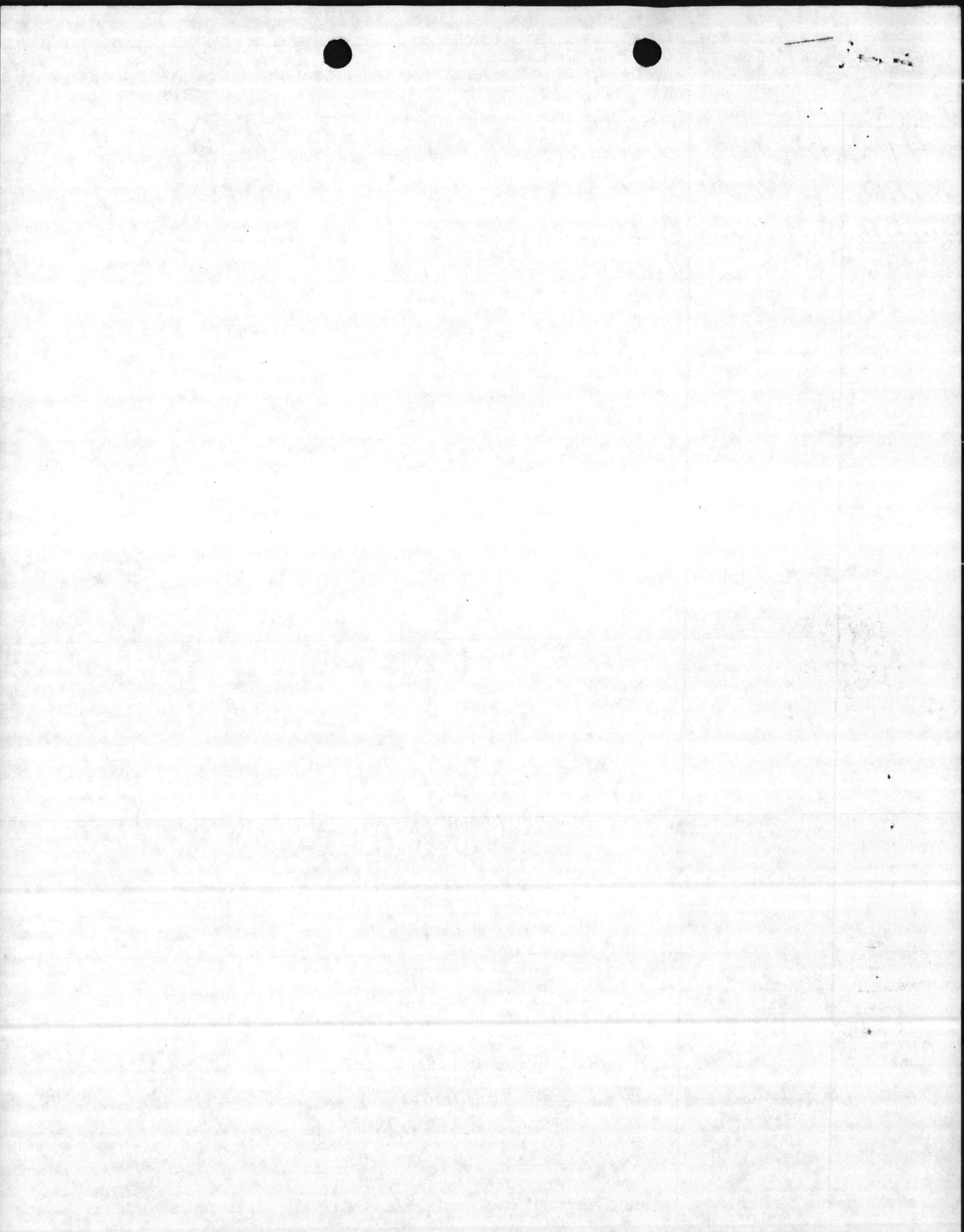


Sample Description NF-12 #88 Hazardous Waste

avg #	JTC #	Description
#33	12-0984	thick black liquid - like molasses
34	0985	reddish lig. with light brown oily layer on top
35	0986	oily, granular, brownish liquid mixture
36	0987	black layer on top, reddish black opaque liquid on bottom with whitish film along bottom
37	0988	clear orangy liquid with brownish granular specks along sides & bottom
40	0989	greenish yellow opaque lig. with oily flecks
40A	0990	dark reddish brown lig, light colored film along botto.
45	0991	pale yellow lig, brown film along bottom
46	0992	2" black lig. on top, then 1/2" light brown opaque liquid, then 1" dark brown scummy layer, then 2" brown opaque lig. on bottom
47	0993	thick black lig with greyish scum along ^{its} bottom, clearish 1" layer liquid on bottom
48	0994	opaque brownish lig with black spotty film inside
49	0995	thin, oily film on top of whitish liquid with a few worm like grey chunks along bottom
50	0996	black lig with greenish film along bottom & side
51	0997	thick reddish brown oily layer on top with greyish scum along its bottom, 2" clear lig. on bottom
52	0998	reddish lig with greyish film on top
53	0999	thick brown lig. layer on top with thick black lig layer on bottom
54	1000	clear lig with orangy film along bottom
55	1001	2" thick dark greenish layer with clumps along its bottom, ^{on top} with opaque orangy lig on bottom
56	1002	pale greenish yellow liquid



Navy #	JTC #	Description
57	12- 1003	clear yellow lig with thin film along bottom
unreadable	1004	thick brownish liquid - like mud
unreadable	1005	black oily layer on top, 2" opaque greenish layer on bottom



HAZARDOUS WASTES CHARACTERISTIC ANALYSIS
OF AIR STATION BARRELS

Prepared by: Elizabeth A. Betz
Date: 11 September 1985

CHARACTERISTIC	SAMPLE # 33	SAMPLE # 34	SAMPLE # 35	SAMPLE # 36
Corrosivity: pH	No Result See Note 1	6-7 Neutral	6-7 Neutral	6-7 Neutral
Ignitability: Flash Point (140° F)	Ignitable 130°	Ignitable 117°	Ignitable 95°	Ignitable < 85
Reactivity: Cyanide (ppm) Sulfide (ppm)	2 < 5	2 < 5	0.6 < 5	3 < 5
Toxicity (Limits) As (5 ppm) Ba (100 ppm) Cd (1 ppm) Cr (5 ppm) Pb (5 ppm) Hg (0.2 ppm) Se (1.0 ppm) Ag (5 ppm)	< 1 30 < 1 Toxic 160 Toxic 440 0.06 < 1 < 1	< 1 100 < 1 10 5 < 0.05 < 1 < 1	< 1 Toxic 500 Toxic 13 Toxic 320 Toxic 20 < 0.05 < 1 < 1	< 1 20 < 1 Toxic 30 Toxic 100 < 0.05 < 1 < 1
PCB	< 10	< 5	< 5	< 5
Total Organic % Halogens (TOX)	0.09	0.07	6.05	0.10
Recommended EPA Hazardous Waste ID Number	D001	D001	D001	D001
Comments (Other EPA Hazardous Waste ID Number)	D007 D008		D005 D006 D007 D008	D007 D008

HAZARDOUS WASTES CHARACTERISTICS ANALYSIS
OF AIR STATION BARRELS

Prepared by: Elizabeth A. Betz
Date: 11 September 1985

CHARACTERISTIC	See Note 2 SAMPLE # 37	SAMPLE # 38	SAMPLE # 39	See Note 4 SAMPLE # 40
Corrosivity: pH	10 Slightly Alkaline	See Note 3	See Note 3	6-7 Neutral
Ignitability: Flash Point (140°F)	Ignitable 118	See Note 3	See Note 3	>200
Reactivity: Cyanide (ppm) Sulfide (ppm)	0.5 ≤5	See Note 3	See Note 3	1 ≤5
Toxicity (Limits) As (5 ppm) Ba (100 ppm) Cd (1 ppm) Cr (5 ppm) Pb (5 ppm) Hg (0.2 ppm) Se (1.0 ppm) Ag (5 ppm)	<1 <20 <1 Toxic 2700 <5 <0.05 <1 <1	See Note 3	See Note 3	<1 <20 <1 <10 <5 <0.05 <1 <1
PCB	<5	See Note 3	See Note 3	<5
Total Organic % Halogens (TOX)	0.67	See Note 3	See Note 3	0.09
Recommended EPA Hazardous Waste ID Number	D001			None
Comments (Other EPA Hazardous Waste ID Number)	D007			

1941 - 1942

Year	Month	Day	Time	Location	Remarks
1941	Jan	1	10:00
1941	Jan	2	11:00
1941	Jan	3	12:00
1941	Jan	4	13:00
1941	Jan	5	14:00
1941	Jan	6	15:00
1941	Jan	7	16:00
1941	Jan	8	17:00
1941	Jan	9	18:00
1941	Jan	10	19:00
1941	Jan	11	20:00
1941	Jan	12	21:00
1941	Jan	13	22:00
1941	Jan	14	23:00
1941	Jan	15	24:00
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1941	Jan	17	26:00
1941	Jan	18	27:00
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1941	Jan	21	30:00
1941	Jan	22	31:00
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1941	Jan	253	262:00
1941	Jan	254	263:00
1941	Jan	255	264:00
1941	Jan	256	265:00
1941	Jan	257	266:00
1941	Jan	258	267:00
1941	Jan	259	268:00
1941	Jan	260	2		

HAZARDOUS WASTES CHARACTERISTIC ANALYSIS
OF AIR STATION BARRELS

Prepared by: Elizabeth A. Betz
Date: 11 September 1985

CHARACTERISTIC	See Note 2 SAMPLE # 40A	SAMPLE # 41	SAMPLE # 42	SAMPLE # 43
Corrosivity: pH	6 Neutral	See Note 3	See Note 3	See Note 3
Ignitability: Flash Point (140°F)	Ignitable < 85	See Note 3	See Note 3	See Note 3
Reactivity: Cyanide (ppm) Sulfide (ppm)	2 < 5	See Note 3	See Note 3	See Note 3
Toxicity (limits) As (5 ppm) Ba (100 ppm) Cd (1 ppm) Cr (5 ppm) Pb (5 ppm) Hg (0.2 ppm) Se (1.0 ppm) Ag (5 ppm)	< 1 < 20 < 1 Toxic 2700 < 5 < 0.05 < 1 < 1	See Note 3	See Note 3	See Note 3
PCB	< 5	See Note 3	See Note 3	See Note 3
Total Organic % Halogens (TOX)	0.67	See Note 3	See Note 3	See Note 3
Recommended EPA Hazardous Waste ID Number	D001			
Comments (Other EPA Hazardous Waste ID Number)	D007			

HAZARDOUS WASTES CHARACTERISTIC ANALYSIS
OF AIR STATION BARRELS

Prepared by: Elizabeth A. Betz
Date: 11 September 1985

CHARACTERISTIC	SAMPLE # 44	See Note 5 SAMPLE # 45	SAMPLE # 46	See Note 2 SAMPLE # 47
Corrosivity: pH	See Note 3	5 Slightly Acidic	6-7 Neutral	5 Slightly Acidic
Ignitability: Flash Point (140 F)	See Note 3	Ignitable ≤85	Ignitable ≤85	Ignitable ≤85
Reactivity: Cyanide (ppm) Sulfide (ppm)	See Note 3	0.4 ≤5	1 ≤5	1 ≤5
Toxicity (limits) As (5 ppm)	See Note 3	≤1	≤1	≤1
Ba (100 ppm)		≤20	≤20	≤20
Cd (1 ppm)		≤1	Toxic 2	≤1
Cr (5 ppm)		Toxic 4000	Toxic 2100	Toxic 2700
Pb (5 ppm)		Toxic 54	5	≤5
Hg (0.2 ppm)		Toxic 0.79	0.13	≤0.05
Se (1.0 ppm)		≤1	≤1	≤1
Ag (5 ppm)		≤1	≤1	≤1
PCB		≤5	≤5	≤5
Total Organic % Halogens (TOX)		3.56	3.52	0.67
Recommended EPA Hazardous Waste ID Number		D001	D001	D001
Comments (Other EPA Hazardous Waste ID Number)		D007 D008 D009	D006 D007	D007



Date	Description
1941	Corrosivity pH
1941	Light intensity Flash point (100 F)
1941	Specific gravity Solubility (g/l)
1941	Density (g/cm ³) Boiling point (100 mm)
1941	Freezing point Flash point (100 mm)
1941	Boiling point Flash point (100 mm)
1941	Boiling point Flash point (100 mm)
1941	Boiling point Flash point (100 mm)
1941	Boiling point Flash point (100 mm)
1941	Boiling point Flash point (100 mm)
1941	Boiling point Flash point (100 mm)
1941	Boiling point Flash point (100 mm)
1941	Boiling point Flash point (100 mm)

HAZARDOUS WATES CHARACTERISTIC ANALYSIS
OF AIR STATION BARRELS

Prepared by: Elizabeth A. Betz
Date: 11 September 1985

CHARACTERISTIC	See Note 4 SAMPLE # 48	SAMPLE # 49	SAMPLE # 50	SAMPLE # 51
Corrosivity pH	5 Slightly Acidic	6-7 Neutral	7 Neutral	6 Neutral
Ignitability: Flash Point (140°F)	>200	>200	Ignitable ≤85	Ignitable 110°F
Reactivity: Cynaide (ppm) Sulfide (ppm)	2 ≤5	1 ≤5	3 ≤5	1 ≤5
Toxicity (limits): As (5 ppm) Ba (100 ppm) Cd (1 ppm) Cr (5 ppm) Pb (5 ppm) Hg (0.2 ppm) Se (1.0 ppm) Ag (5 ppm)	≤1 ≤20 ≤1 ≤10 ≤50 ≤0.05 ≤1 ≤1	≤1 ≤20 ≤1 ≤10 Toxic 20 ≤0.05 ≤1 ≤1	≤1 100 Toxic 3 Toxic 300 Toxic 900 Toxic 0.25 ≤1 ≤1	≤1 100 1 Toxic 30 Toxic 40 ≤0.05 ≤1 ≤1
PCB	≤5	≤5	≤5	≤10
Total Organic % Halogens (TOX)	0.09	0.08	0.35	3.07
Recommended EPA Hazardous Waste ID NUMBER	NONE	D008	D001	D001
Comments (Other EPA Hazardous Waste ID Number)			D006 D007 D008 D009	D007 D008



ANALYSIS REPORT

SAMPLE NO.	ANALYSIS DATE	CHARACTERISTIC
1	10/10/58	pH
2	10/10/58	Total Solids
3	10/10/58	Total Solids (ppt)
4	10/10/58	Total Solids (ppm)
5	10/10/58	Total Solids (mg/l)
6	10/10/58	Total Solids (g/l)
7	10/10/58	Total Solids (kg/m ³)
8	10/10/58	Total Solids (lb/ft ³)
9	10/10/58	Total Solids (oz/gal)
10	10/10/58	Total Solids (g/gal)
11	10/10/58	Total Solids (mg/gal)
12	10/10/58	Total Solids (ppb)

HAZARDOUS WASTES CHARACTERISTIC ANALYSIS
OF AIR STATION BARRELS

Prepared by: Elizabeth A. Betz
Date: 11 September 1985

CHARACTERISTIC	SAMPLE # 52	SAMPLE # 53	See Note 5 SAMPLE # 54	SAMPLE #55
Corrosivity: pH	8 Neutral	11-12 Alkaline	5 Slightly Acidic	8 Neutral
Ignitability: Flash Point (140°F)	Ignitable <85	Ignitable <85	>200	Ignitable 105°
Reactivity: Cyanide (ppm) Sulfide (ppm)	2 <5	1 <5	0.3 <5	<1 <5
Toxicity (limits): As (5 ppm) Ba (100 ppm) Cd (1 ppm) Cr (5 ppm) Pb (5 ppm) Hg (0.2 ppm) Se (1.0 ppm) Ag (5 ppm)	<1 < 20 <1 Toxic 1600 <5 <0.05 <1 <1	<1 Toxic 500 <1 Toxic 5400 <5 <0.05 <1 <1	<1 <20 <1 Toxic 4000 Toxic 54 Toxic 0.79 <1 <1	<1 50 Toxic 3 Toxic 1200 Toxic 7 <0.05 <1 <1
PCB	<5	<5	<5	<5
Total Organic % Halogens (TOX)	0.10	54.4	3.56	1.34
Recommended EPA Hazardous Waste ID Number	D001	D001	D007	D001
Comments (Other EPA Hazardous Waste ID Number)	D007	D005 D007	D008 D009	D006 D007 D008
		6		

HARVESTING WATER CHARACTERISTICS

DATE	TIME	LOCATION	CHARACTERISTICS
11-11	11:00	Mud Lake	pH 7.5 Temperature 15°C Dissolved Oxygen 10.0 mg/L
11-11	12:00	Mud Lake	pH 7.5 Temperature 15°C Dissolved Oxygen 10.0 mg/L
11-11	13:00	Mud Lake	pH 7.5 Temperature 15°C Dissolved Oxygen 10.0 mg/L
11-11	14:00	Mud Lake	pH 7.5 Temperature 15°C Dissolved Oxygen 10.0 mg/L
11-11	15:00	Mud Lake	pH 7.5 Temperature 15°C Dissolved Oxygen 10.0 mg/L
11-11	16:00	Mud Lake	pH 7.5 Temperature 15°C Dissolved Oxygen 10.0 mg/L
11-11	17:00	Mud Lake	pH 7.5 Temperature 15°C Dissolved Oxygen 10.0 mg/L
11-11	18:00	Mud Lake	pH 7.5 Temperature 15°C Dissolved Oxygen 10.0 mg/L
11-11	19:00	Mud Lake	pH 7.5 Temperature 15°C Dissolved Oxygen 10.0 mg/L
11-11	20:00	Mud Lake	pH 7.5 Temperature 15°C Dissolved Oxygen 10.0 mg/L
11-11	21:00	Mud Lake	pH 7.5 Temperature 15°C Dissolved Oxygen 10.0 mg/L
11-11	22:00	Mud Lake	pH 7.5 Temperature 15°C Dissolved Oxygen 10.0 mg/L

Station Name: _____
 ID Number: _____
 Operator: _____
 Date: 11-11-11

HAZARDOUS WASTES CHARACTERISTIC ANALYSIS
OF AIR STATION BARRELS

Prepared by: Elizabeth A. Betz
Date: 11 September 1985

CHARACTERISTIC	See Note 5 SAMPLE # 56	See Note 5 SAMPLE # 57	See Notes 4 & 6 SAMPLE # A	See Note 6 SAMPLE # B
Corrosivity: pH	5-6 Slightly Acidic	7 Neutral	10 Slightly Alkaline	6-7 Neutral
Ignitability: Flash Point (140°F)	>200	Ignitable ≤85	Ignitable 101	Ignitable ≤85
Reactivity: Cyanide (ppm) Sulfide (ppm)	0.8 12	≤3 ≤5	0.4 ≤5	≤4 ≤5
Toxicity (limits) As (5 ppm) Ba (100 ppm) Cd (1 ppm) Cr (5 ppm) Pb (5 ppm) Hg (0.2 ppm) Se (1.0 ppm) Ag (5 ppm)	≤1 ≤20 ≤1 Toxic 4000 Toxic 54 Toxic 0.79 ≤1 ≤1	≤1 ≤20 ≤1 Toxic 4000 Toxic 54 Toxic 0.79 ≤1 ≤1	≤1 ≤20 ≤1 ≤10 ≤5 ≤0.05 ≤1 ≤1	≤1 ≤20 Toxic 5 Toxic 1600 Toxic 60 Toxic 0.71 ≤1 ≤1
PCB	≤5	≤5	≤5	≤5
Total Organic % Halogens (TOX)	3.56	3.56	0.07	3.56
Recommended EPA Hazardous Waste ID Number	D001	D001	D001	D001
Comments (Other EPA Hazardous Waste ID Number)	D008 D009	D007 D008 D009		D006 D007 D008 D009

NOTES:

1. A pH could not be run due to the nature of sample.
2. Sample numbers 37, 40A and 47 were composited for analysis of metals, PCB and TOX.
3. Sample was either broken in transit or one of the unreadable labels.
4. Sample numbers 40, 48 and unreadable Label A were composited for analysis of metals, PCB and TOX.
5. Sample numbers 45, 54, 56 and 57 were composited for analysis of metals, PCB and TOX.
6. Labels on two samples were unreadable so the laboratory identified them as A and B. At this time it is not possible to tell which of the 6 barrels these two were.

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NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIV
Marine Corps Base
Camp Lejeune, North Carolina 28542

May 16, 1985
(Date)

From: Supervisory Ecologist

To: Supervisory ^{CHEMIST} Ecologist

Subj: LABORATORY ANALYSIS OF HAZARDOUS WASTE/MATERIAL

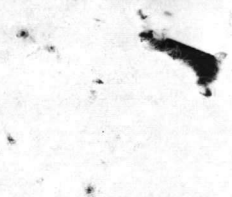
Encl. (1): CO MCAS(H), NR LTR. 5100/222 of 10 May 85

1. Please complete the sampling requested in the enclosure NLT 24 May 1985. ~~_____~~

I am available to accompany technician on the initial visit to evaluate requirements of the task. Recommend, ~~Monday afternoon.~~ After the initial site visit, an evaluation of the above due date will be made relative to a possible extension.

Danny
DANNY SHARPE

TUESDAY MORNING 8:30 ← JUST A LOOK-SEE
PICK UP DANNY



Dear Sir (Mrs),

I am available to accompany you on the 11th of May at 10.30 AM. I will be at the airport to meet you and will take you to the hotel. I will also evaluate the equipment of the truck, lorry and van. I will be at the airport at 10.30 AM. I will be at the airport at 10.30 AM. I will be at the airport at 10.30 AM.

Yours faithfully,



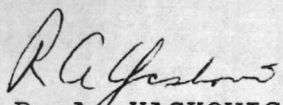
UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
(HELICOPTER)
NEW RIVER, JACKSONVILLE
NORTH CAROLINA 28545-5001

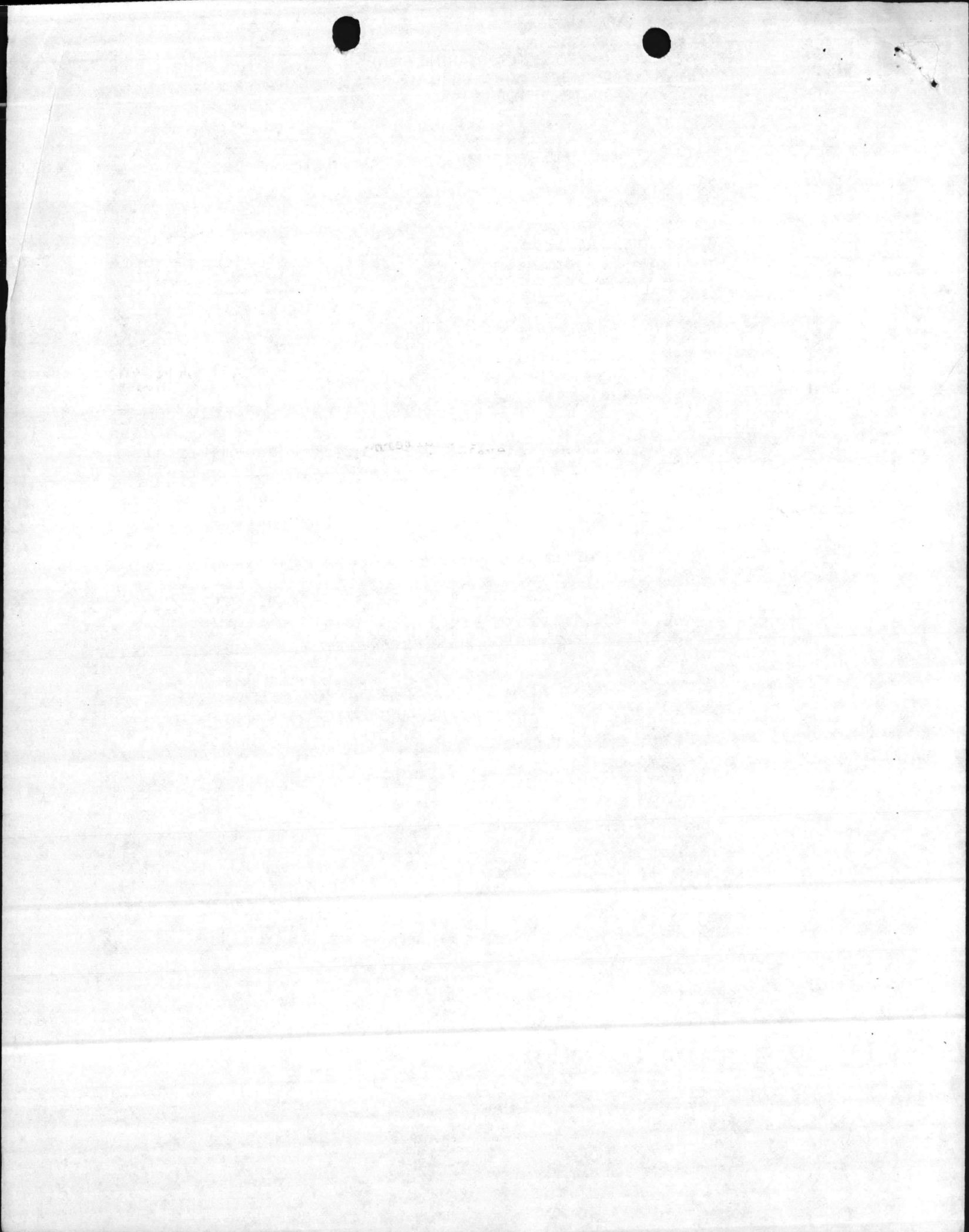
IN REPLY REFER TO:
5100
222
10 May 1985

From: Commanding Officer, Marine Corps Air Station (Helicopter),
New River
To: Commanding General, Marine Corps Base, Camp Lejeune, North
Carolina (Attn: Chief of Staff, Facilities)
Subj: LABORATORY ANALYSIS OF HAZARDOUS MATERIAL; REQUEST FOR
Ref: (a) BO 6240.5
(b) MCAS/MCB Support Agreement dtd April 85

1. The tenant commands at this installation have recently completed a search of their operating areas to dispose of all excess or unusable hazardous materials. A majority of these materials have been disposed of or are being processed using the guidelines established in reference (a).

2. There are 26 containers of unknown substances that require identification so that they may be processed for disposal. As provided for in reference (b), it is requested that samples be drawn from these containers so that the contents may be identified by analysis. All containers have been secured at the Station Hazardous Waste storage area. Point of contact at this Command is Mary Wheat, extension 6068/6518.


R. A. YASKOVIC
By direction



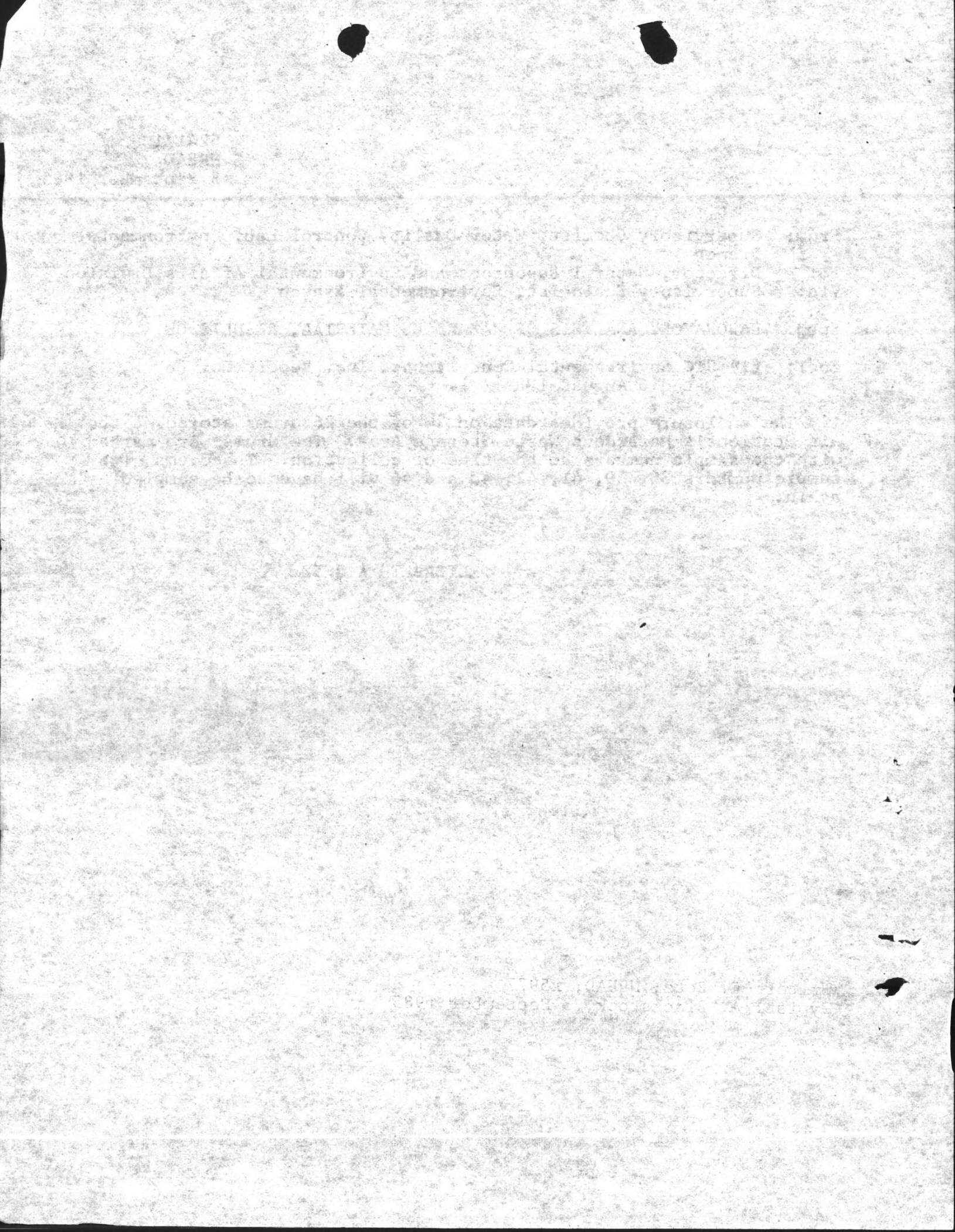
6241/1
NREAD
3 September 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental Branch
To: Director, Natural Resources and Environmental Affairs Division
Via: Supervisory Ecologist, Environmental Branch
Subj: LABORATORY ANALYSIS OF HAZARDOUS MATERIAL; RESULTS OF
Encl: (1) JTC Environmental Consultants, Inc. Report No. 88
Dated 6 August 1985

1. The enclosure provides data on 20 of the 26 drums stored at the Air Stations's Hazardous Waste Storage Area. The drums were marked with the sample numbers at the time of collection. The drums with sample numbers 38, 39, 41, 42, 43 and 44 will have to be sampled again.

ELIZABETH A BETZ

Writer: E. Betz, NREAD, x5977
Typist: A. Blackstock, 3 September 1985





UNITED STATES MARINE CORPS
Natural Resources and Environmental Affairs Division
Marine Corps Base
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO:

6241/1

NREAD

SEP 11 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental Branch
To: Director, Natural Resources and Environmental Affairs Division
Via: Supervisory Ecologist, Environmental Branch

Subj: LABORATORY ANALYSIS OF HAZARDOUS MATERIAL; RESULTS OF

Ref: (a) CO, MCAS(H) New River Ltr 5100/222 of 10 May 1985

Encl: (1) JTC Environmental Consultants, Inc. Report No. 88
Dated 6 August 1985
(2) Hazardous Wastes Characteristic Analysis of Air Station
Barrels Dated 11 September 1985

1. Enclosure (1) provides data on 20 of the 26 drums stored at the Air Station's Hazardous Waste Storage Area. The drums were marked with the sample numbers at the time of collection. The drums with sample numbers 38, 39, 41, 42, 43 and 44 will have to be sampled again.

2. Enclosure (2) summarizes the data in enclosure (1) and also includes the EPA hazardous waste ID number.

Elizabeth A. Betz
ELIZABETH A. BETZ

1885

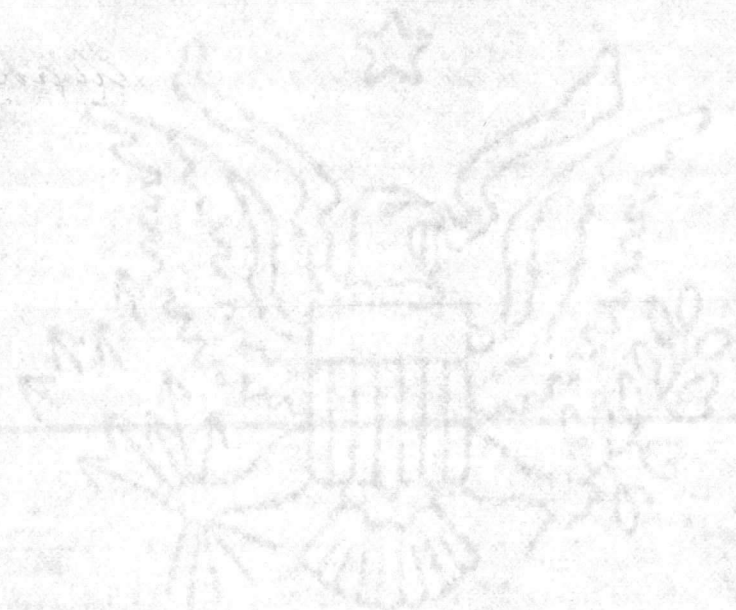
UNITED STATES MARINE CORPS

Headquarters, United States Marine Corps
Washington, D. C. 20380



1885

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1885



UNITED STATES MARINE CORPS
Natural Resources and Environmental Affairs Division
Marine Corps Base
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO:
6241/1
NREAD
3 September 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental Branch
To: Director, Natural Resources and Environmental Affairs Division
Via: Supervisory Ecologist, Environmental Branch
Subj: LABORATORY ANALYSIS OF HAZARDOUS MATERIAL; RESULTS OF
Encl: (1) JTC Environmental Consultants, Inc. Report No. 88
Dated 6 August 1985

1. The enclosure provides data on 20 of the 26 drums stored at the Air Stations's Hazardous Waste Storage Area. The drums were marked with the sample numbers at the time of collection. The drums with sample numbers 38, 39, 41, 42, 43 and 44 will have to be sampled again.

Elizabeth A. Betz
ELIZABETH A BETZ

DD
3 September 85

6241/1
NREAD
3 September 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental Branch

To: Director, Natural Resources and Environmental Affairs Division

→ Via: Supervisory Ecologist, Environmental Branch

Subj: LABORATORY ANALYSIS OF HAZARDOUS MATERIAL; RESULTS OF

Encl: (1) JTC Environmental Consultants, Inc. Report No. 88
Dated 6 August 1985

1. The enclosure provides data on 20 of the 26 drums stored at the Air Stations's Hazardous Waste Storage Area. The drums were marked with the sample numbers at the time of collection. The drums with sample numbers 38, 39, 41, 42, 43 and 44 will have to be sampled again.

ELIZABETH A BETZ

Writer: E. Betz, NREAD, x5977

Typist: A. Blackstock, 3 September 1985



SUMMARY
26 BARRELL @ MCAS-NEW RIVER

1. 6 NEED RESAMPLING - EITHER BROKE OR SAMPLE LABEL UNREADABLE)

2. CORROSIVITY (pH)

pH	# OF SAMPLES
<2	0
2-6	5
6-9	12 (1 LABEL UNREAD.)
9-12	2 (1 LABEL UNREAD.)
>12	0
NOT RESULT	1
	<u>20 (2 LABEL UNREAD.)</u>

3. IGNITABILITY

FLASH POINT < 140°F 14 (2 LABEL UNREAD.)

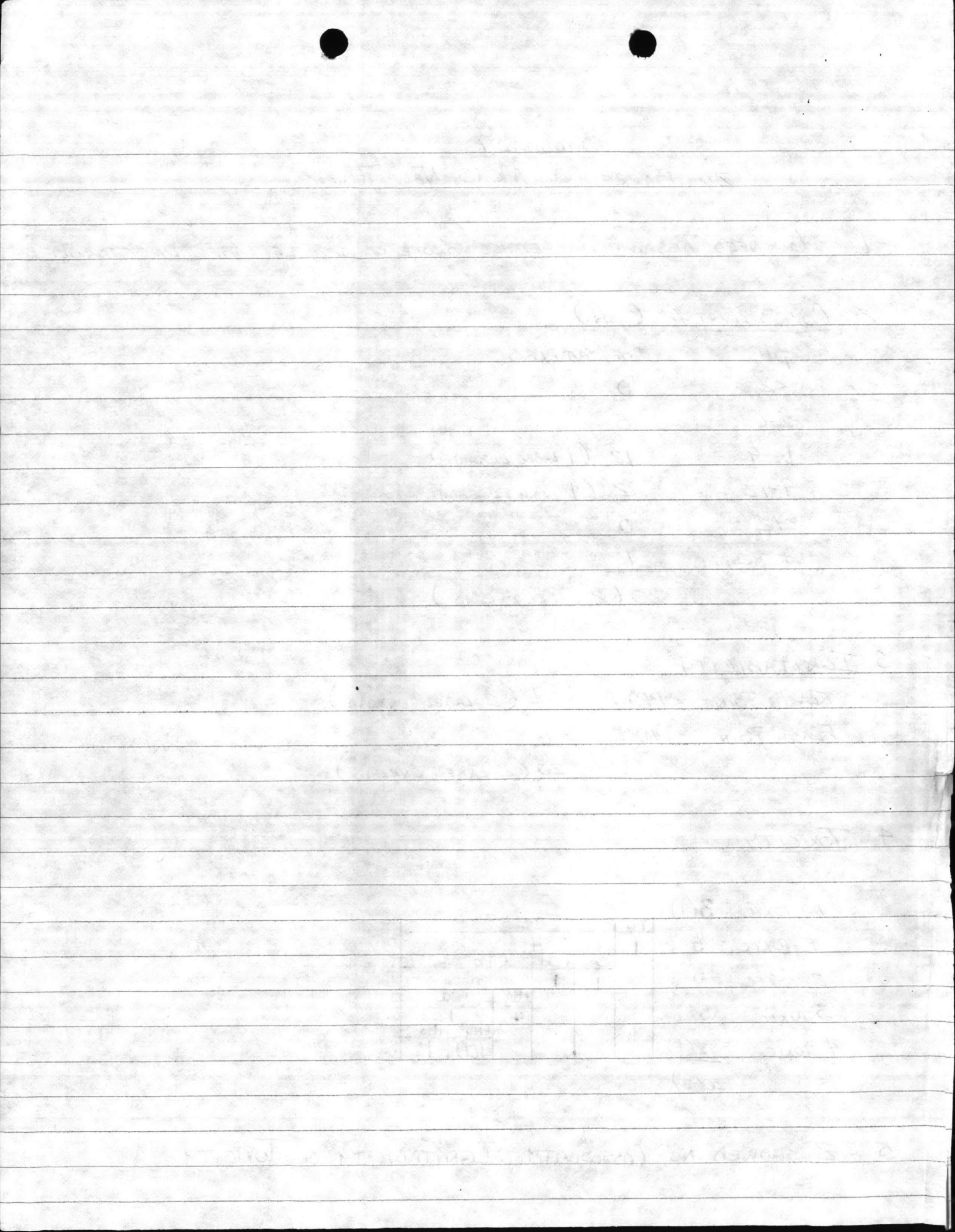
FLASH POINT > 140°F 6
20 (2 LABEL UNREAD.)

4. TOXICITY

NO TOXIC = 3(1)
1 TOXIC = 5
2 TOXIC = 5
3 TOXIC = 5
4 TOXIC = 2(1)
20(2)

Pb	Cr			
	+Ba	+Cd	+Hg	+Pb
1				4
	1	1		3
			4	1
			+Hg	+Ba
			1(1)	1

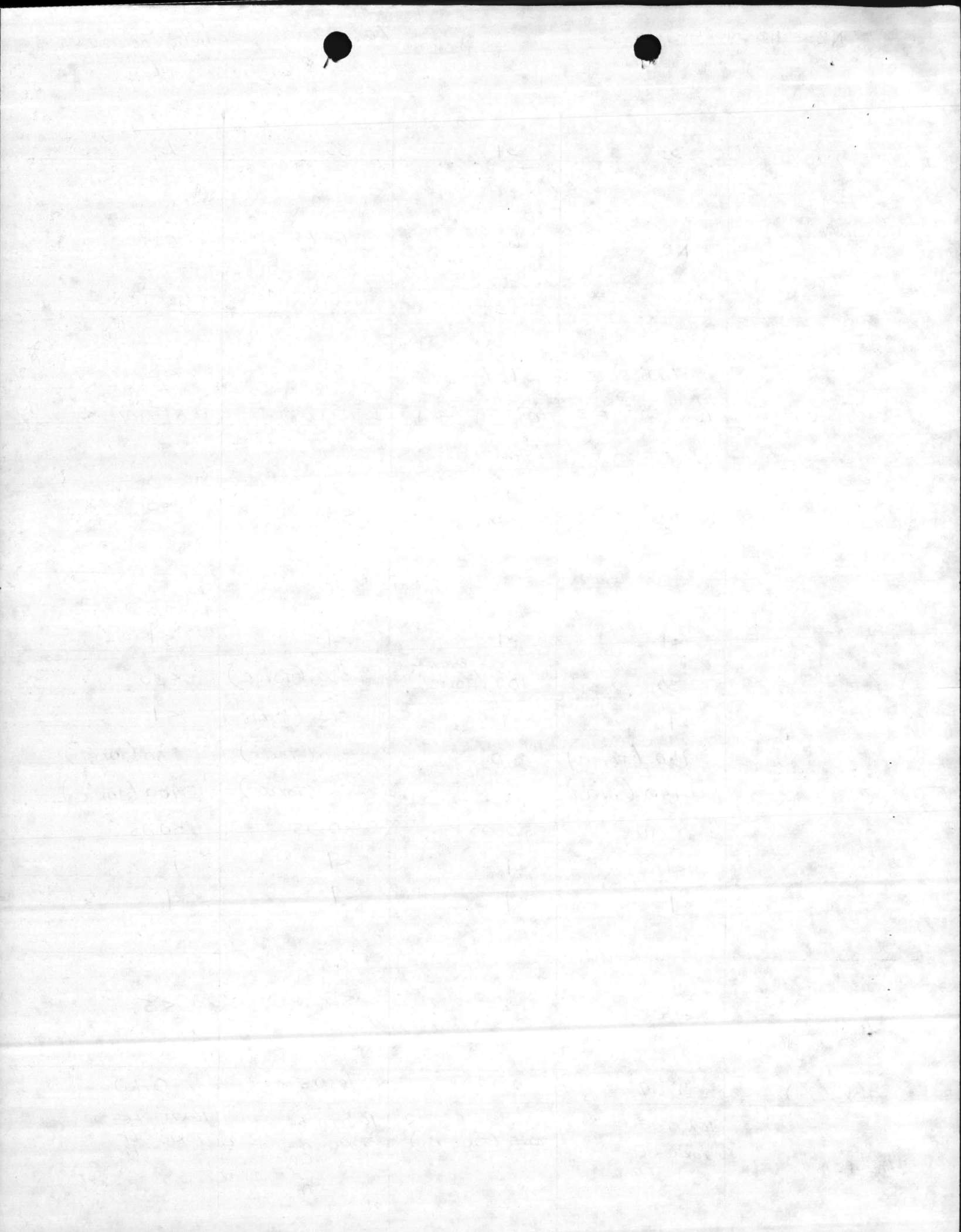
5. 2 SHOWED NO CORROSIVITY, IGNITABILITY OR TOXICITY



NR = NO RESULT

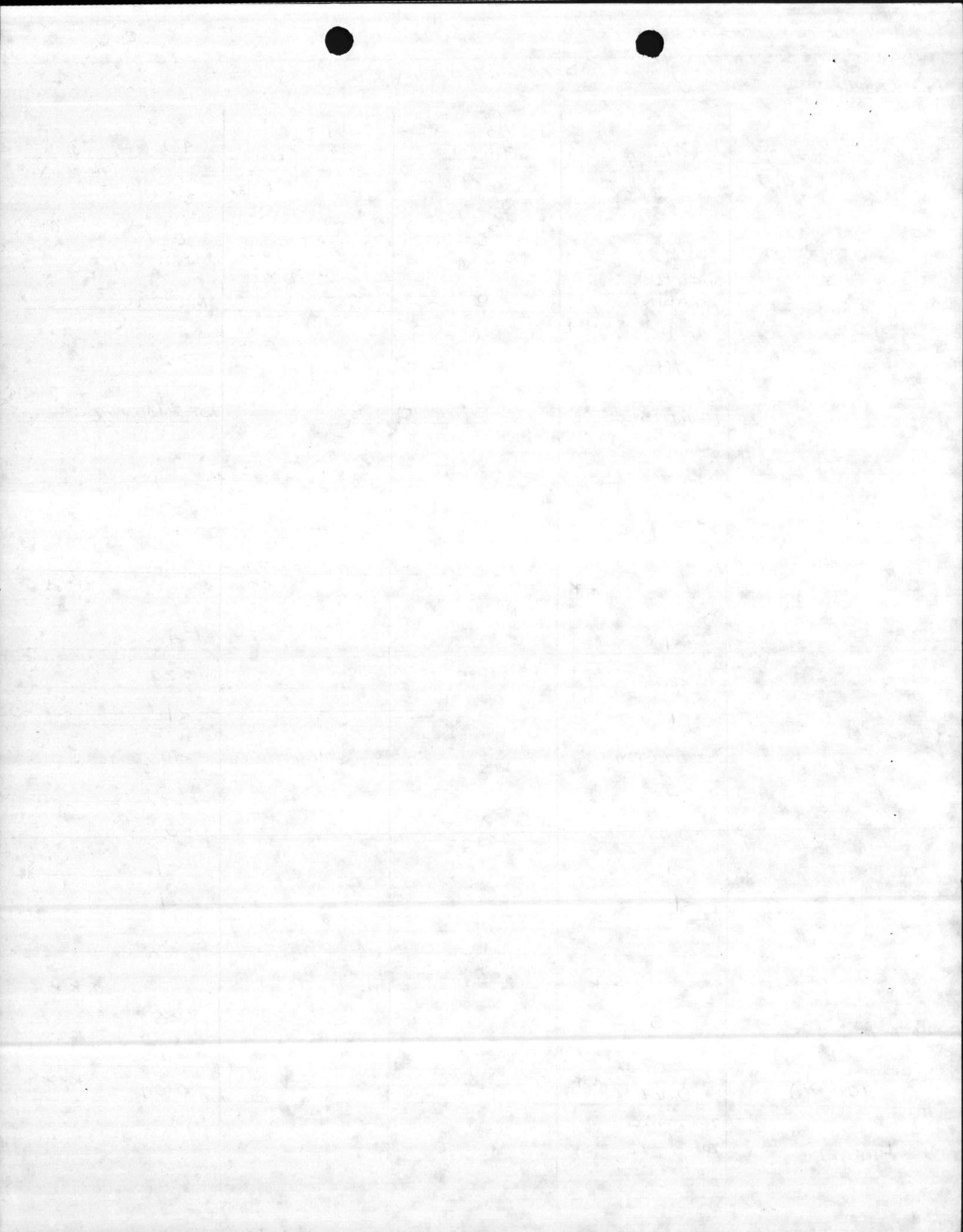
TOX TOTAL ORGANIC HALOGENS
HALOGENS: F, Cl, Br, I, At

CHARACTERISTIC	33	34	35	36
CORROSIVITY pH	NR	6-7 NEUTRAL	6-7 NEUTRAL	6-7 NEUTRAL
IGNITABILITY FLASH POINT °F (<140°F)	130° IGNITABLE	117 IGNITABLE	95 IGNITABLE	<85 IGNITABLE
REACTIVITY CYANIDE (ppm) SULFIDE (ppm)	2 <5	2 <5	0.4 <5	3 <5
TOXICITY As (5 ppm) Ba (100 ppm) Cd (1 ppm) Cr (5 ppm) Pb (5 ppm) Hg (0.2 ppm) Se (1.0 ppm) Ag (5 ppm)	<1 30 <1 160 (TOXIC) 440 (TOXIC) 0.06 <1 <1	<1 100 (TOXIC) <1 <10 <5 <0.05 <1 <1	<1 500 (TOXIC) 13 (TOXIC) 320 (TOXIC) 20 (TOXIC) <0.05 <1 <1	<1 <20 <1 30 (TOXIC) 100 (TOXIC) <0.05 <1 <1
PAB	<10	<5	<5	<5
TOX (%)	0.09	0.07	0.05	0.10
HAZARD	IGNITABLE TOXIC - Cr Pb	IGNITABLE TOXIC (TOXIC - Ba)	IGNITABLE TOXIC - Ba Cd Cr Pb	IGNITABLE TOXIC - Cr Pb



- * - COMPOSITE 1 - #45, 54, 56, 57
- ** - COMPOSITE 2 - #37, 40A, 41
- *** - COMPOSITE 3 - #40, 48, A

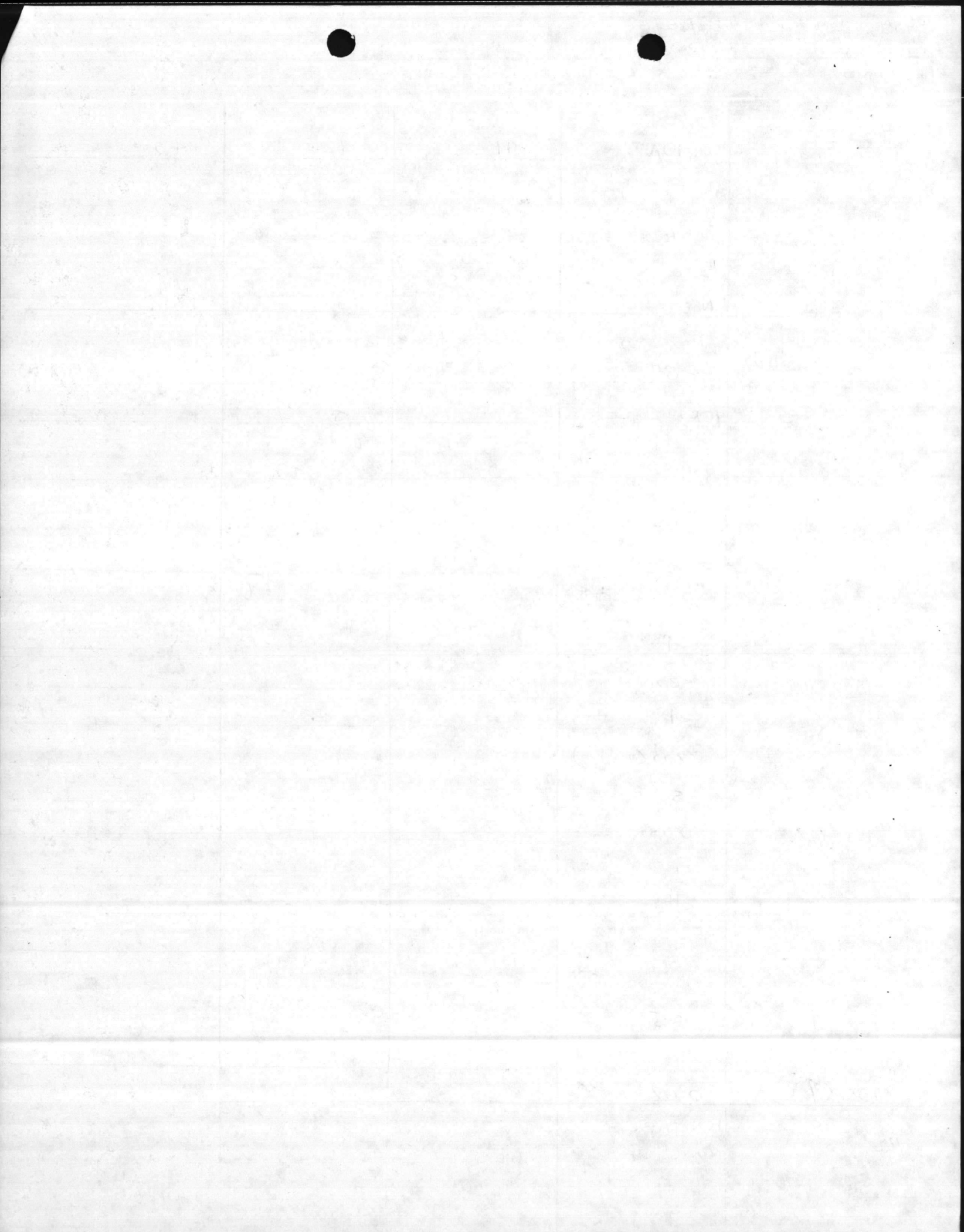
CHARACTERISTIC	37	38 40	39 40	40
CORROSIVITY pH	10 SLIGHTLY ALKALINE	SAMPLES EITHER OR ONE OF THE UNREADABLE LABELS BROKEN IN TRANSIT		6-7 NEUTRAL
IGNITABILITY FLASH POINT	118 IGNITABLE			>200 NOT FLAMMABLE
REACTIVITY CYANIDE (ppm) SULFIDE (ppm)	0.5 <5			1 <5
TOXICITY	**			***
As (5 ppm)	<1		<1	
Ba (100 ppm)	<20		<20	
Cd (1 ppm)	<1		<1	
Ce (5 ppm)	2700 (TOXIC)		<10	
Pb (5 ppm)	<5		<5	
Hg (0.2 ppm)	<0.05		<0.05	
Se (1.0 ppm)	<1		<1	
Ag (5 ppm)	<1		<1	
PCB	** <5		*** <5	
TOX (%)	0.67 **		0.09 ***	
HAZARD	IGNITABLE TOXIC - Cr		?	



- * - COMPOSITE 1 - #45, 54, 56, 57
- ** - COMPOSITE 2 - #37, 40A
- *** - COMPOSITE 3 - #40, 48, A

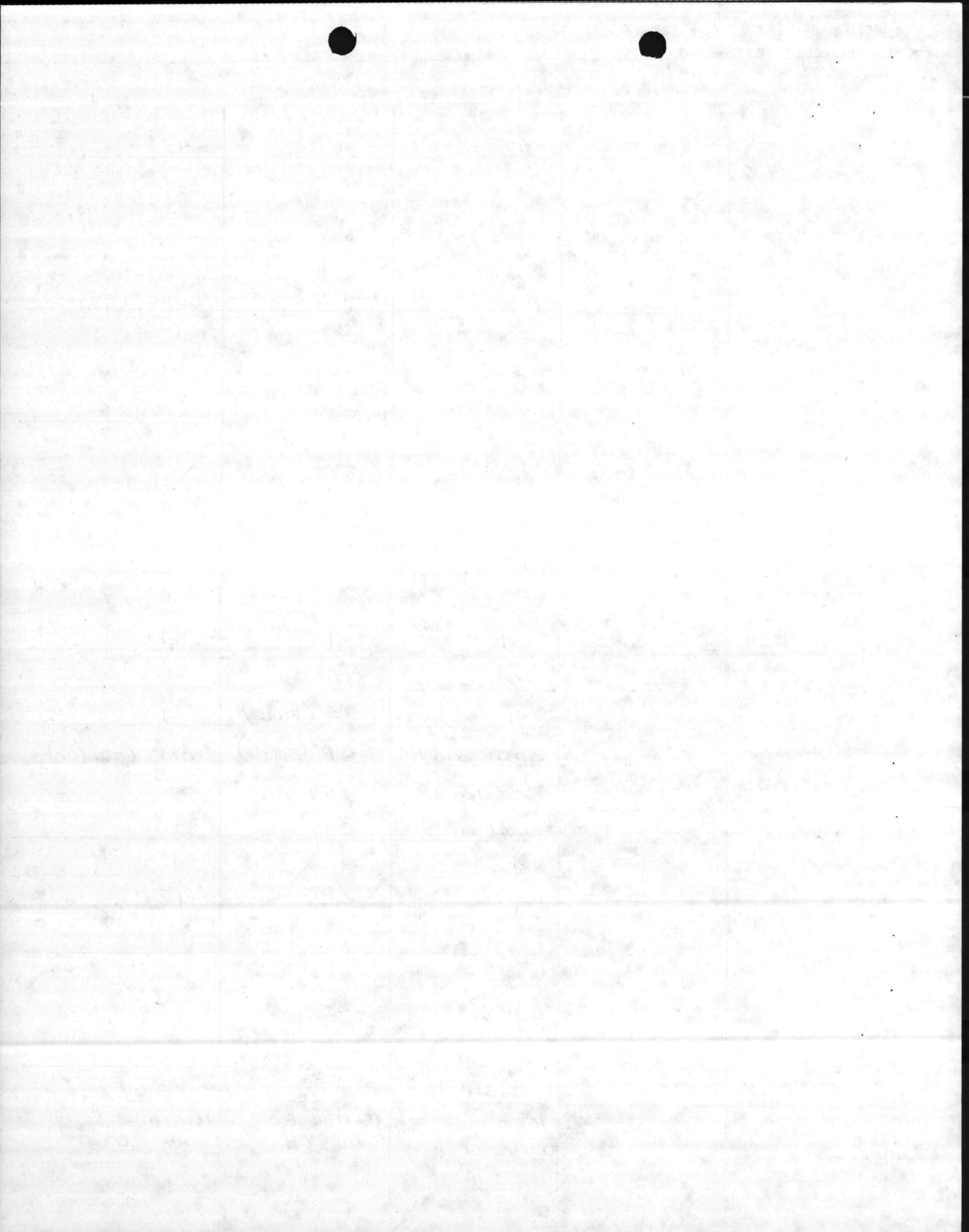
CHARACTERISTIC	40A	41	42	43
CORROSIVITY pH	6 NEUTRAL			
IGNITABILITY FLASH POINT	< 85 IGNITABLE			
REACTIVITY CYANIDE (ppm) SULFIDE (ppm)	2 < 5			
TOXICITY		**		
As (5 ppm)	< 1			
Ba (100 ppm)	< 20			
Cd (1 ppm)	< 1			
Cr (5 ppm)	2700 (TOXIC)			
Pb (5 ppm)	< 5			
Hg (0.2 ppm)	< 0.05			
Se (1.0 ppm)	< 1			
Ag (5 ppm)	< 1			
PCB		***		
	< 5			
TOX (%)	0.67	**		
HAZARD	IGNITABLE TOXIC: Cr			

SAMPLES EITHER BROKEN IN TRANSIT OR
 ONE OF THE UNREADABLE LABELS



- * - COMPOSITE 1 OF # 45, 54, 56, 57
- ** - COMPOSITE 2 OF # 37, 40A, 47
- *** - COMPOSITE 3 OF 40, 48, A

CHARACTERISTIC	44	45	46	47
CORROSIVITY pH	SAMPLE EITHER BROKEN IN TRANSIT OR ONE OF THE UNRELIABLE TARETS	5 SLIGHTLY ACIDIC	6-7 NEUTRAL	5 SLIGHTLY ACIDIC
IGNITABILITY FLASH POINT		<85 IGNITABLE	<85 IGNITABLE IGNITABLE	<85 IGNITABLE
REACTIVITY CYANIDE (ppm)		0.4	1	1
SULFIDE (ppm)		<5	<5	<5
TOXICITY		*		**
As (5 ppm)	<1	<1	<1	<1
Ba (100 ppm)	<20	<20	<20	<20
Cd (1 ppm)	<1	2 (TOXIC)	<1	<1
Cr (5 ppm)	4000 (TOXIC)	2100 (TOXIC)	2700 (TOXIC)	2700 (TOXIC)
Pb (5 ppm)	54 (TOXIC)	5 (BORDER TOXIC)	<5	<5
Hg (0.2 ppm)	0.79 (TOXIC)	0.13	<0.05	<0.05
Se (1.0 ppm)	<1	<1	<1	<1
Ag (5 ppm)	<1	<1	<1	<1
PCB		*		**
	<5	<5	<5	<5
TOX (%)		*		**
	3.56	3.52	0.67	0.67
HAZARD		IGNITABLE TOXIC: Cr Pb Hg	IGNITABLE TOXIC: Cd Cr	IGNITABLE TOXIC: Cr

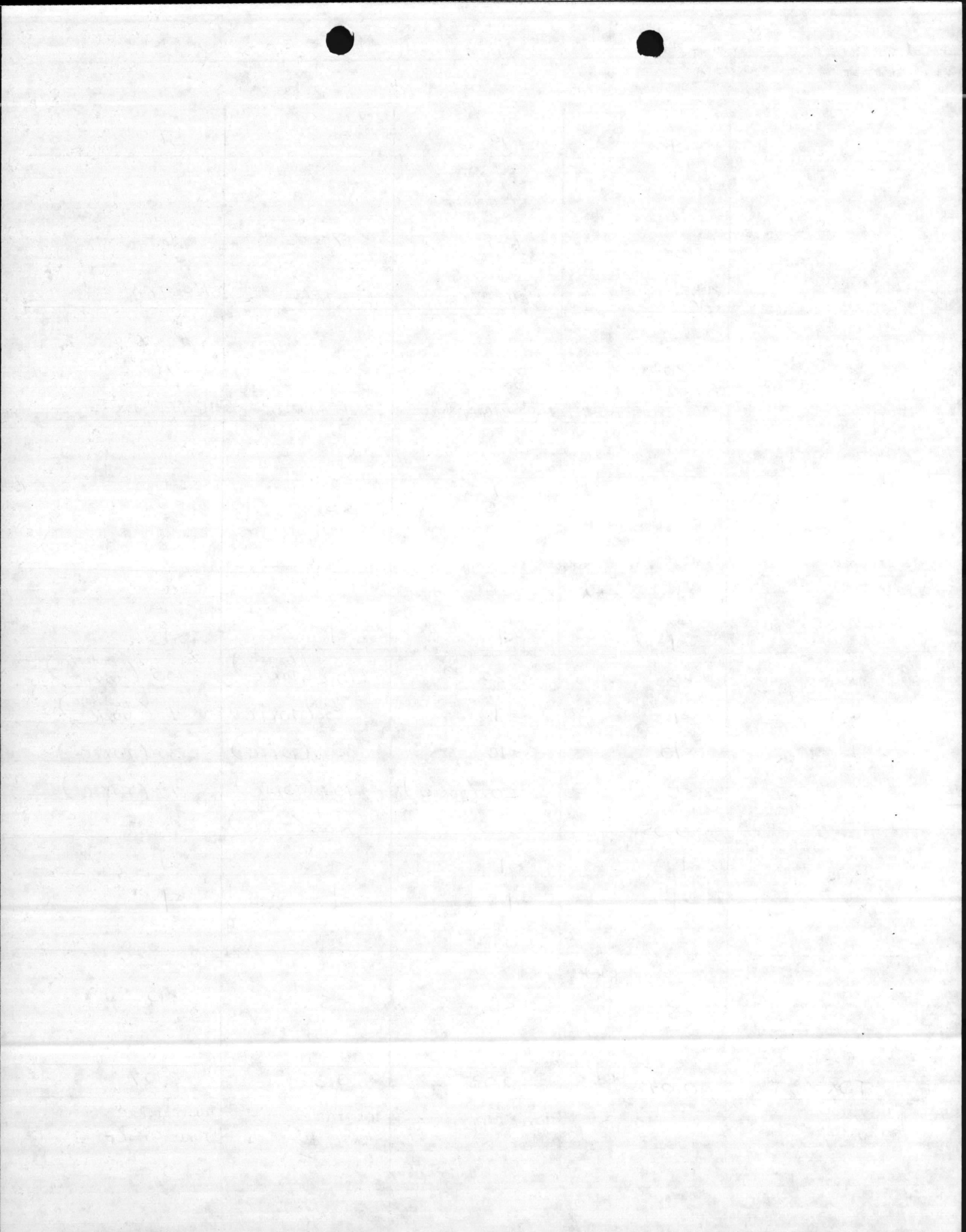


* - COMPOSITE 1 of #45, 54, 56, 57

** - COMPOSITE 2 of #37, 40A, 47

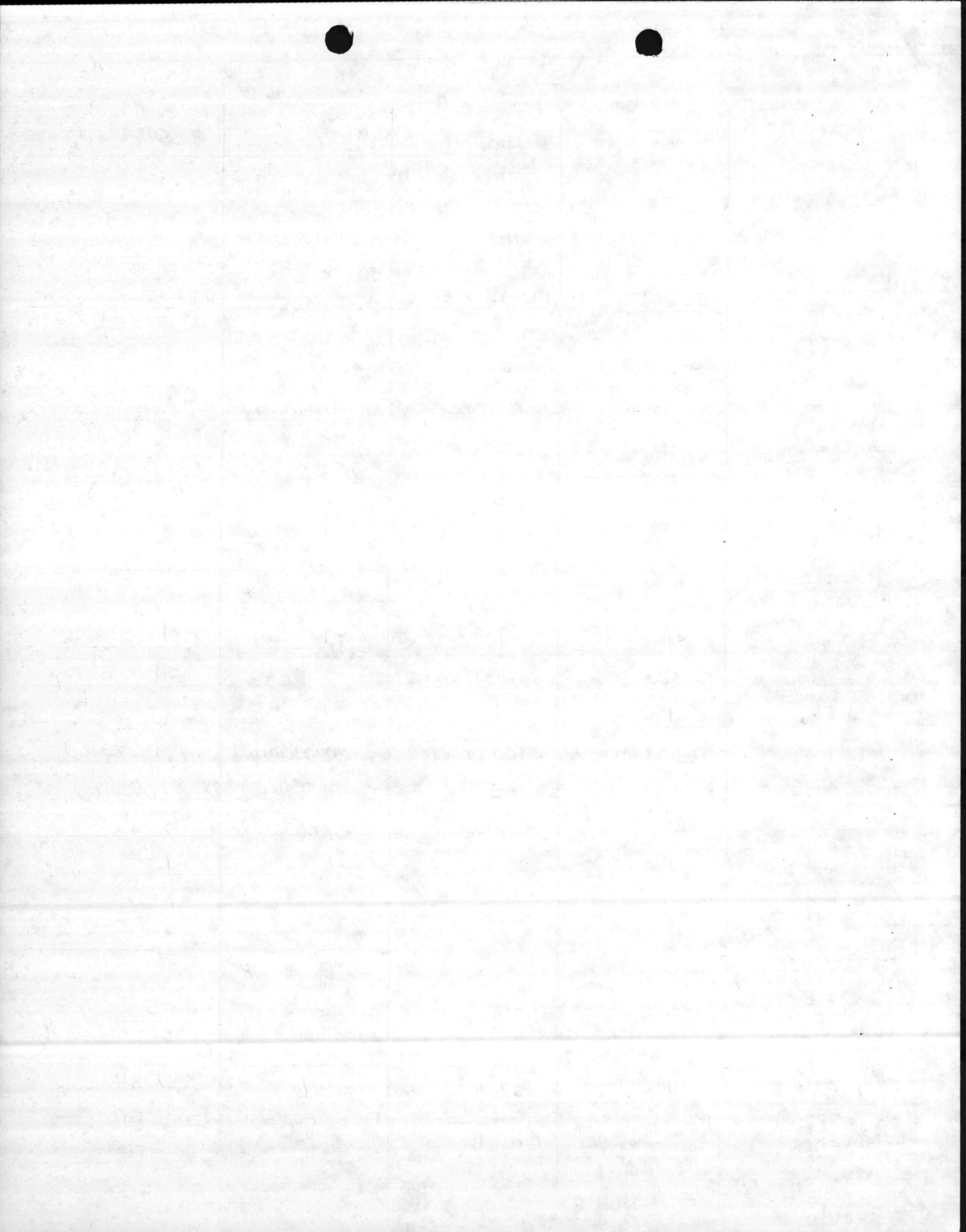
*** - COMPOSITE 3 of #40, 48, A

CHARACTERISTIC	48	49	50	51
CORROSIVITY PH	5 SLIGHTLY ACIDIC	6-7 NEUTRAL	7 NEUTRAL	6 NEUTRAL
IGNITABILITY FLASH POINT	>200 NOT FLAMMABLE	>200 NOT FLAMMABLE	<85 IGNITABLE	110°F IGNITABLE
REACTIVITY CYANIDE (ppm) SULFIDE (ppm)	2 <5	1 <5	3 <5	1 <5
TOXICITY	***			
As (5 ppm)	<1	<1	<1	<1
Ba (100 ppm)	<20	<20	100 (BORDER TOXIC)	100 (BORDER TOXIC)
Cd (1 ppm)	<1	<1	3 (TOXIC)	1 (BORDER TOXIC)
Cr (5 ppm)	<10	<10	300 (TOXIC)	30 (TOXIC)
Pb (5 ppm)	<5	20 (TOXIC)	900 (TOXIC)	40 (TOXIC)
Hg (0.2 ppm)	<0.05	<0.05	0.25 (TOXIC)	<0.05
Se (1.0 ppm)	<1	<1	<1	<1
Ag (5 ppm)	<1	<1	<1	<1
PCB	<5 ***	<5	<5	<10
TOX (%)	0.09 ***	0.08	0.35	3.07
HAZARD	?	TOXIC: Pb	IGNITABLE TOXIC: As Pb Cd Cr Pb Hg	IGNITABLE TOXIC: Ba Cd Pb



- * - COMPOSITE 1 of #45, 54, 56, 57
- ** - COMPOSITE 2 of #37, 40A, 47
- *** - COMPOSITE 3 of #40, 48, A

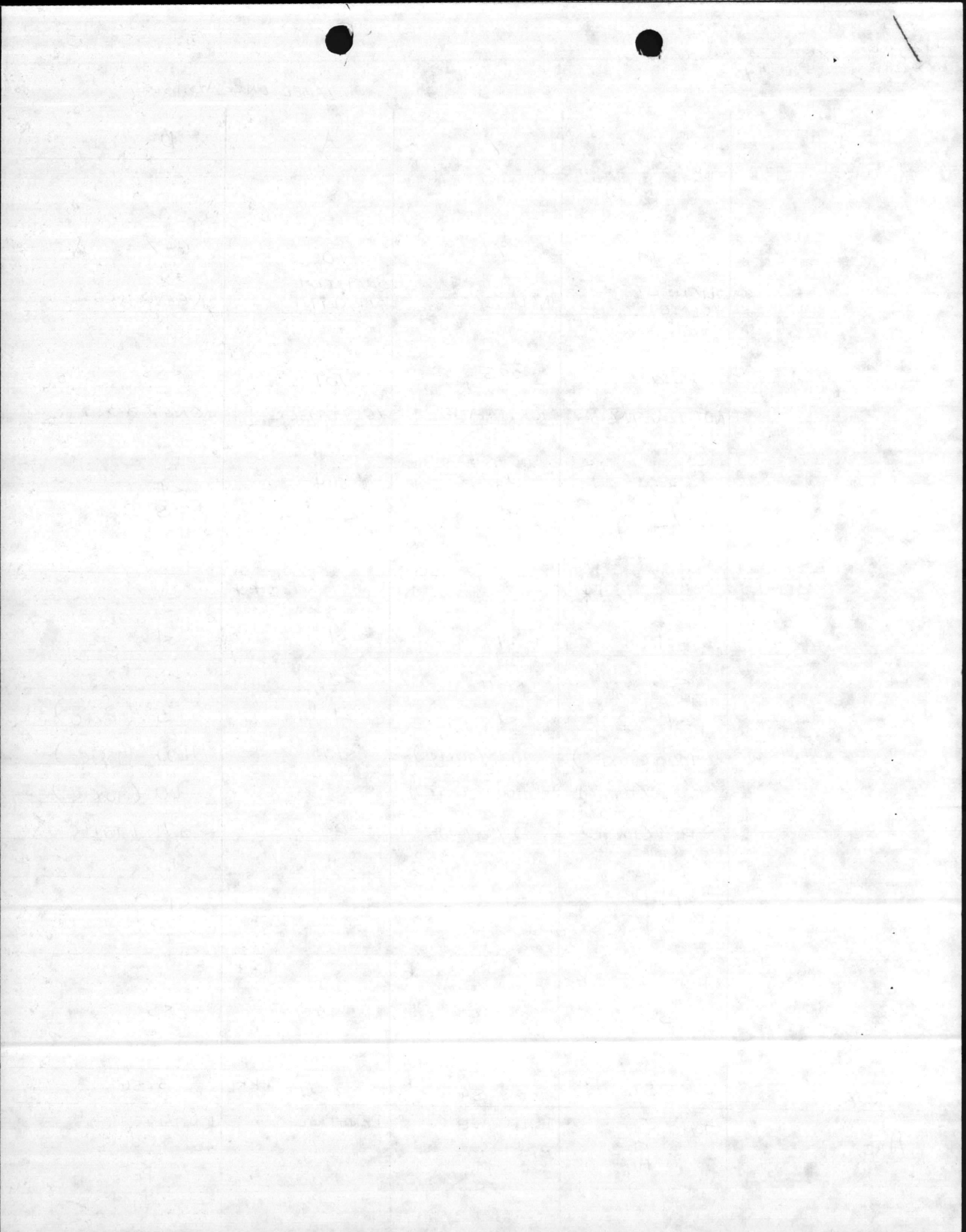
CHARACTERISTIC	52	53	54	55
CORROSIVITY pH	8 NEUTRAL	11-12 ALKALINE	5 SLIGHTLY ACIDIC	8 NEUTRAL
IGNITABILITY FLASH POINT	<85 IGNITABLE	<85 IGNITABLE	>200 NOT FLAMMABLE	105°F IGNITABLE NOT FLAMMABLE
REACTIVITY CYANIDE (ppm) SULFIDE (ppm)	2 <5	1 <5	0.3 <5	<1 <5
TOXICITY			*	
As (5 ppm)	<1	<1	<1	<1
Ba (100 ppm)	<20	500 (TOXIC)	<20	50
Cd (1 ppm)	<1	<1	<1	3 (TOXIC)
Cr (5 ppm)	1600 (TOXIC)	5400 (TOXIC)	4000 (TOXIC)	1200 (TOXIC)
Pb (5 ppm)	<5	<5	54 (TOXIC)	7 (TOXIC)
Hg (0.2 ppm)	<0.05	<0.05	0.79 (TOXIC)	<0.05
Se (1.0 ppm)	<1	<1	<1	<1
Ag (5 ppm)	<1	<1	<1	<1
PCB	<5	<5	<5	<5
TOX (%)	0.10	54.4	3.56 *	1.34
HAZARD	IGNITABLE TOXIC: Cr	IGNITABLE TOXIC: Ba Cr	TOXIC: Cr Pb Hg	TOXIC: Cd Cr Pb



* - COMPOSITE 1 OF #45, 54, 56, 57
 ** COMPOSITE 2 OF # 37, 40A, 47
 *** COMPOSITE 3 OF #40, 48, A

LABEL UNREADABLE

CHARACTERISTIC	56	57	A	B
CORROSIVITY pH	5-6 SLIGHTLY ACIDIC	7 NEUTRAL	10 SLIGHTLY ALKALINE	6-7 NEUTRAL
IGNITABILITY FLASH POINT	>200 NOT FLAMMABLE	<85 IGNITABLE	101 IGNITABLE	<85 IGNITABLE
REACTIVITY CYANIDE (ppm) SULFIDE (ppm)	0.8 12	<3 <5	0.4 <5	<4 <5
TOXICITY	**	*	***	
As (5 ppm)	<1	<1	<1	<1
Ba (100 ppm)	<20	<20	<20	<20
Cd (1 ppm)	<1	<1	<1	5 (TOXIC)
Cr (5 ppm)	4000 (TOXIC)	4000 (TOXIC)	<10	11000 (TOXIC)
Pb (5 ppm)	54 (TOXIC)	54 (TOXIC)	<5	60 (TOXIC)
Hg (0.2 ppm)	0.79 (TOXIC)	0.79 (TOXIC)	<0.05	0.71 (TOXIC)
Se (1.0 ppm)	<1	<1	<1	<1
Ag (5 ppm)	<1	<1	<1	<1
PCB	<5 *	<5 *	<5 ***	<5
TOX (%)	3.56 *	3.56 *	0.09 ***	3.56
HAZARDS	TOXIC: Cr Pb Hg	IGNITABLE TOXIC: Cr Pb Hg	IGNITABLE	IGNITABLE TOXIC: Cd Cr Pb Hg



5200
NREAD
10 June 1985

From: Director, Natural Resources and Environmental Affairs
Division, Marine Corps Base, Camp Lejeune
To: Traffic Management Officer, Marine Corps Base, Camp Lejeune
Subj: TRANSPORTATION OF LABORATORY SAMPLES; REQUEST FOR

1. Request shipment of 26 samples to JTC Environmental
Consultants, Incorporated, Suite L-10, 4 Research Place, Rock-
ville, Maryland 20850, Attn: Navy Contractor (phone 301/921/9790).

I. WOOTEN

Bl:
Su:

33-37

40, 40A

45-57

Writer: E. Betz, NREAD 5977
Typist: J. Cross 10Jun85

2300
YFAD
10 June 1988

From: Director, Naval Personnel and Administration Affairs
Division, Marine Corps Base, Camp Lejeune
For: The Adjutant General, Marine Corps Base, Camp Lejeune

SUBJECT: TRANSFER OF LABORATORY SAMPLING EQUIPMENT

1. Request submitted by JEC Environmental
Consultants Incorporated, Suite 1-10, Research Lane, 3001
Village Parkway, 28580, Army Navy Contractor (Phone 301-212-1101).

1. SYSTEM

Being sent to



Very truly yours,
[Signature]

5200
NREAD
10 June 1985

From: Director, Natural Resources and Environmental Affairs
Division, Marine Corps Base, Camp Lejeune
To: Traffic Management Officer, Marine Corps Base, Camp Lejeune
Subj: TRANSPORTATION OF LABORATORY SAMPLES; REQUEST FOR

1. Request shipment of 26 samples to JTC Environmental
Consultants, Incorporated, Suite L-10, 4 Research Place, Rock-
ville, Maryland 20850, Attn: Navy Contractor (phone 301/921/9790).

J. I. WOOTEN

Blind copy to:
→ SupvChem

Writer: E. Betz, NREAD 5977
Typist: J. Cross 10Jun85

100-100000000
100-100000000
100-100000000

From: Director, Naval Resources and Environmental Affairs
Division, Marine Corps Base, Camp Lejeune
P.O. Box 918, Marine Corps Base, Camp Lejeune

Subject: TRANSPORTATION OF LABORATORY SAMPLES
I. Request shipment of 20 samples to JEC Environmental
Consultants Incorporated, Suite 110, Research Lane, 5001
Village Parkway, Jacksonville, Florida 32217.

T. J. WOOTEN

100-100000000

100-100000000
100-100000000

PACKAGING AND PRESERVATION WORK REQUEST
 MCBCL 4030 (REV 3-70)

TO: PRESERVATION, PACKAGING AND PACKING BRANCH, MOWASP DIV., BMATBN, MCB, CLNC

FROM (UNIT) WATER QUALITY CONTROL LAB	DATE 18 JUNE 1985	UNIT PRIORITY DESIGNATOR ASAP
PERSON FAMILIAR WITH WORK REQUESTED ELIZABETH A. BETZ	PHONE 5977	BLDG NO. 205

FOLLOWING WORK IS REQUESTED

PACKAGE 26 SAMPLES FOR SHIPMENT BY FREIGHT TRAFFIC.

TYPE WORK REQUESTED (X)			(*)PACK <input type="checkbox"/>			LEVEL <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C		
*)PACKAGE AND PRESERVE <input type="checkbox"/>			LEVEL <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C			TACTICAL MARK <input type="checkbox"/> YES <input type="checkbox"/> NO		
CONSTRUCT			PAINT AND MARK <input type="checkbox"/>			TACTICAL MARK <input type="checkbox"/> YES <input type="checkbox"/> NO		

DETAILS (LIST INSIDE DIMENSIONS IF CONSTRUCTION IS DESIRED; COLOR OF PAINT, PATTERN AND NUMBER OF TACTICAL MARK, ANY SPECIAL INSTRUCTIONS)

CHAIN OF CUSTODY IS INVOLVED. A LAB TECHNICIAN HAS TO STAY WITH SAMPLES UNTIL PACKAGED

DEAD LINE DELIVERY DATE	WR NO.	SIGNATURE ELIZABETH A. BETZ
-------------------------	--------	---------------------------------------

Spaces On and Below This Line For P&P Use Only	JOIN CHARGEABLE	P&P CONTROL NO.
--	-----------------	-----------------

WORK MEASUREMENT INFO PROJ 12				WORK MEASUREMENT INFO PROJ 11 & 94 TOTALS (LESS PROJ 12)			
NO. OF ITEMS	TONS	NO. OF PKGS		CUBE	WEIGHT	VEHICLES	BOXES BUILT

IF SPACES MARKED WITH AN ASTERISK (*) ARE FILLED IN, COMPLETE REVERSE SIDE

LINE ITEMS	NOMENCLATURE	FSN	QUANTITY	UNIT OF ISSUE	NO. PER INTERMEDIATE PACKAGE	NO. OF ITEMS PER PACK	ITEMS PER MULTIPLE PACK NO. OF PACK
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							
21.							
22.							
23.							
24.							
25.							
26.							
27.							

DATE RECORDED BY P&P BRANCH

PICKED UP BY

DATE COMPLETED BY P&P BRANCH

DATE

SAMPLE # 33 DATE COLLECTED

NAME OF COLLECTOR H: B.

SAMPLED Drum at AS t

COMMENTS: Contents: Paint, ta

AS
Drums

33
ION OF ITEM

SAMPLE # 34 DATE COLLECTED

NAME OF COLLECTOR H: B

SAMPLED Drum AS HM Lat

COMMENTS Contents: Acetone

TIME COLLECTED
LOCATION AND DESCRIPTION OF ITEM

SAMPLE # 35 DATE COLLECTED

NAME OF COLLECTOR H: B

SAMPLED Drum AS HM Lat

COMMENTS Contents: Thinner, Paint

6/5/85 TIME COLLECTED
LOCATION AND DESCRIPTION OF ITEM

SAMPLE # 36 DATE COLLECTED

NAME OF COLLECTOR H: B

SAMPLED Drum AS HM Lat

COMMENTS Contents: Thinner, Paint

6/5/85 TIME COLLECTED
LOCATION AND DESCRIPTION OF ITEM

REPORT

UNITED STATES

DEPARTMENT OF AGRICULTURE

UNITED STATES

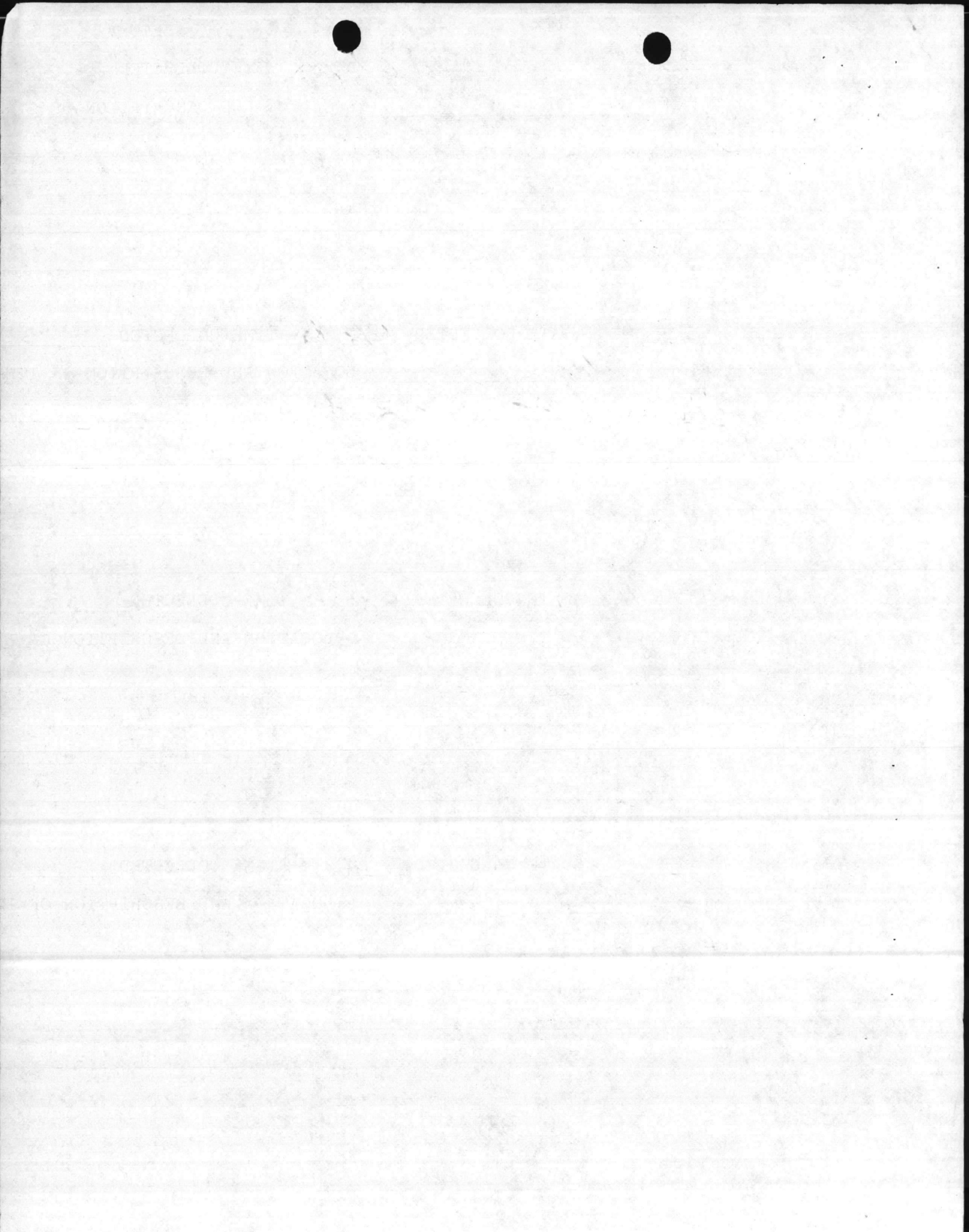
DEPARTMENT OF AGRICULTURE

SAMPLE # 33 DATE COLLECTED 6/5/85 TIME COLLECTED 5:10
NAME OF COLLECTOR H: B. LOCATION AND DESCRIPTION OF ITEM
SAMPLED Drum at AS HM Lat
COMMENTS: Contents: Paint, Tar, Water

SAMPLE # 34 DATE COLLECTED 6/5/85 TIME COLLECTED _____
NAME OF COLLECTOR H: B LOCATION AND DESCRIPTION OF ITEM
SAMPLED Drum AS HM Lat
COMMENTS Contents: Acetone

SAMPLE # 35 DATE COLLECTED 6/5/85 TIME COLLECTED _____
NAME OF COLLECTOR H: B LOCATION AND DESCRIPTION OF ITEM
SAMPLED Drum AS HM Lat
COMMENTS Contents: Thinner, Paint

SAMPLE # 36 DATE COLLECTED 6/5/85 TIME COLLECTED _____
NAME OF COLLECTOR H: B LOCATION AND DESCRIPTION OF ITEM
SAMPLED Drum AS HM Lat
COMMENTS Contents: Thinner, Paint



SAMPLE # 37 DATE COLLECTED 6/5/85 TIME COLLECTED _____

NAME OF COLLECTOR H.B LOCATION AND DESCRIPTION OF ITEM _____

SAMPLED Drum AS Hm Lat

COMMENTS _____

SAMPLE # 38 DATE COLLECTED 6/5/85 TIME COLLECTED _____

NAME OF COLLECTOR H.B LOCATION AND DESCRIPTION OF ITEM _____

SAMPLED Drum AS Hm Lat

COMMENTS _____

SAMPLE # 39 DATE COLLECTED 6/5/85 TIME COLLECTED _____

NAME OF COLLECTOR H.B LOCATION AND DESCRIPTION OF ITEM _____

SAMPLED Drum AS Hm Lat

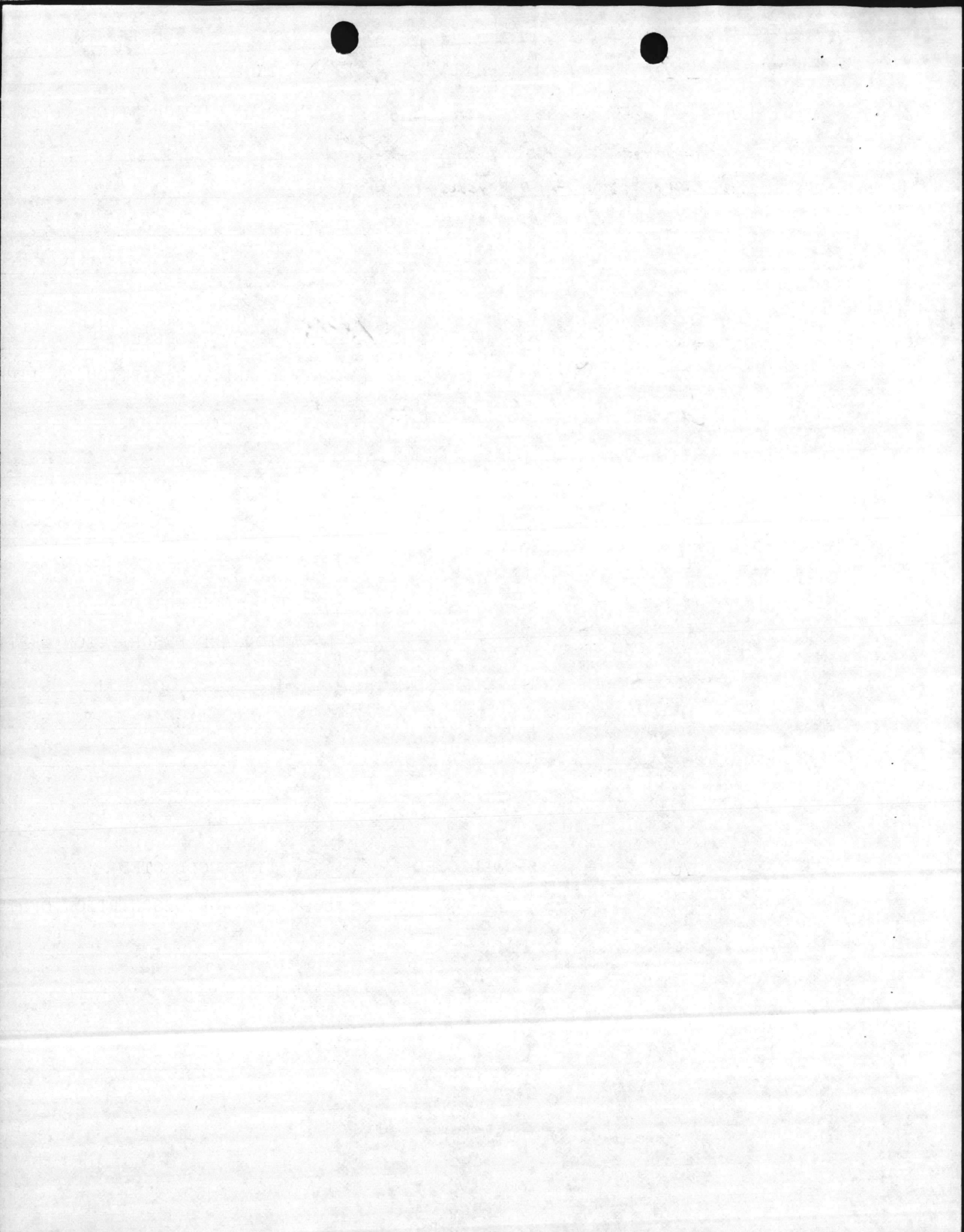
COMMENTS _____

SAMPLE # 40 DATE COLLECTED 6/5/85 TIME COLLECTED _____

NAME OF COLLECTOR H.B LOCATION AND DESCRIPTION OF ITEM _____

SAMPLED Drum AS Lat

COMMENTS _____



SAMPLE # 41 DATE COLLECTED 6/5/85 TIME COLLECTED _____NAME OF COLLECTOR H. B. LOCATION AND DESCRIPTION OF ITEMSAMPLED Drum As Hm LatCOMMENTS: No sample due to capturedresampled 6/17/85SAMPLE # 42 DATE COLLECTED 6/5/85 TIME COLLECTED _____NAME OF COLLECTOR H. B. LOCATION AND DESCRIPTION OF ITEMSAMPLED Drum As Hm Lat

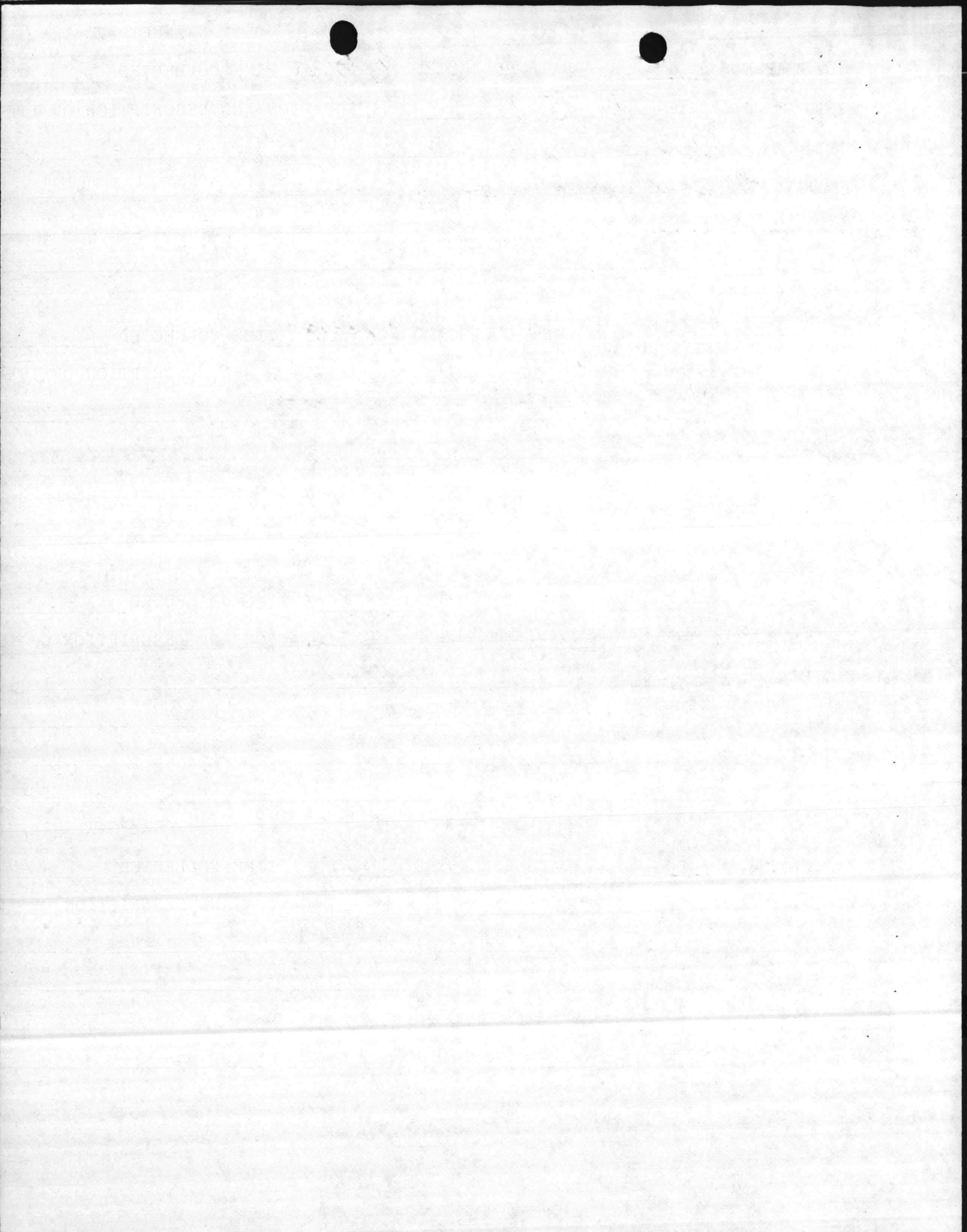
COMMENTS _____

SAMPLE # 43 DATE COLLECTED 6/5/85 TIME COLLECTED _____NAME OF COLLECTOR H. B. LOCATION AND DESCRIPTION OF ITEMSAMPLED Drum As Hm Lat

COMMENTS _____

SAMPLE # 44 DATE COLLECTED 6/5/85 TIME COLLECTED _____NAME OF COLLECTOR H. B. LOCATION AND DESCRIPTION OF ITEMSAMPLED Drum As Hm Lat

COMMENTS _____



SAMPLE # 45 DATE COLLECTED 6/5/85 TIME COLLECTED _____NAME OF COLLECTOR H. B. LOCATION AND DESCRIPTION OF ITEM _____SAMPLED Drum AS Am LatCOMMENTS No sample due to street being hole.Resampled 6/17/85SAMPLE # 46 DATE COLLECTED 6/5/85 TIME COLLECTED _____NAME OF COLLECTOR H. B. LOCATION AND DESCRIPTION OF ITEM _____SAMPLED Drum AS Am Lat

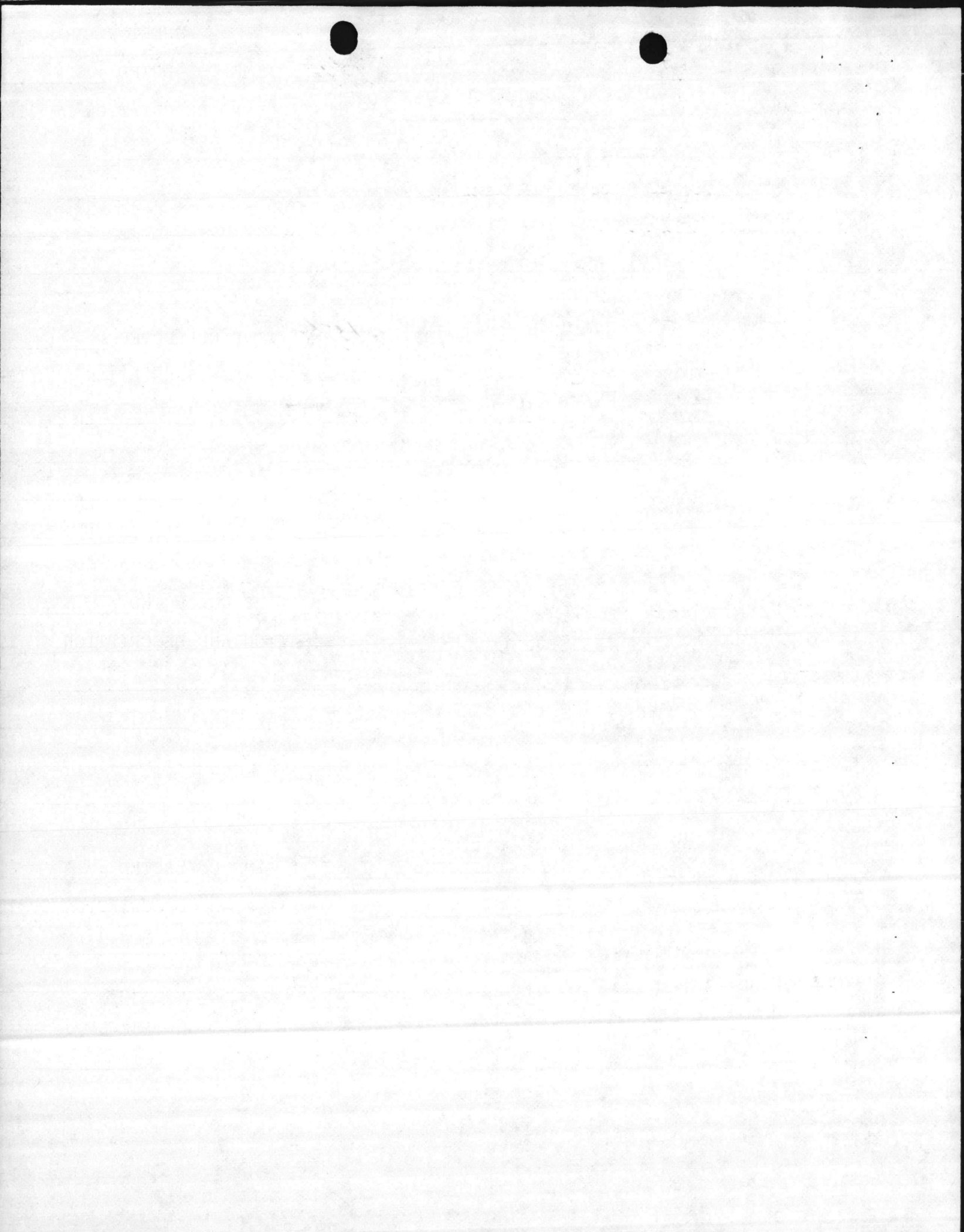
COMMENTS _____

SAMPLE # 47 DATE COLLECTED 6/5/85 TIME COLLECTED _____NAME OF COLLECTOR H. B. LOCATION AND DESCRIPTION OF ITEM _____SAMPLED Drum AS Am Lat

COMMENTS _____

SAMPLE # 48 DATE COLLECTED 6/5/85 TIME COLLECTED _____NAME OF COLLECTOR H. B. LOCATION AND DESCRIPTION OF ITEM _____SAMPLED Drum AS Am Lat

COMMENTS _____



SAMPLE # 49DATE COLLECTED 6/5/85

TIME COLLECTED _____

NAME OF COLLECTOR H.B.

LOCATION AND DESCRIPTION OF ITEM

SAMPLED Drum As LatCOMMENTS _____

_____SAMPLE # 50DATE COLLECTED 6/5/85 TIME COLLECTED _____NAME OF COLLECTOR H.B.

LOCATION AND DESCRIPTION OF ITEM

SAMPLED Drum As Hm LatCOMMENTS _____

_____SAMPLE # 51DATE COLLECTED 6/5/85 TIME COLLECTED _____NAME OF COLLECTOR H.B.

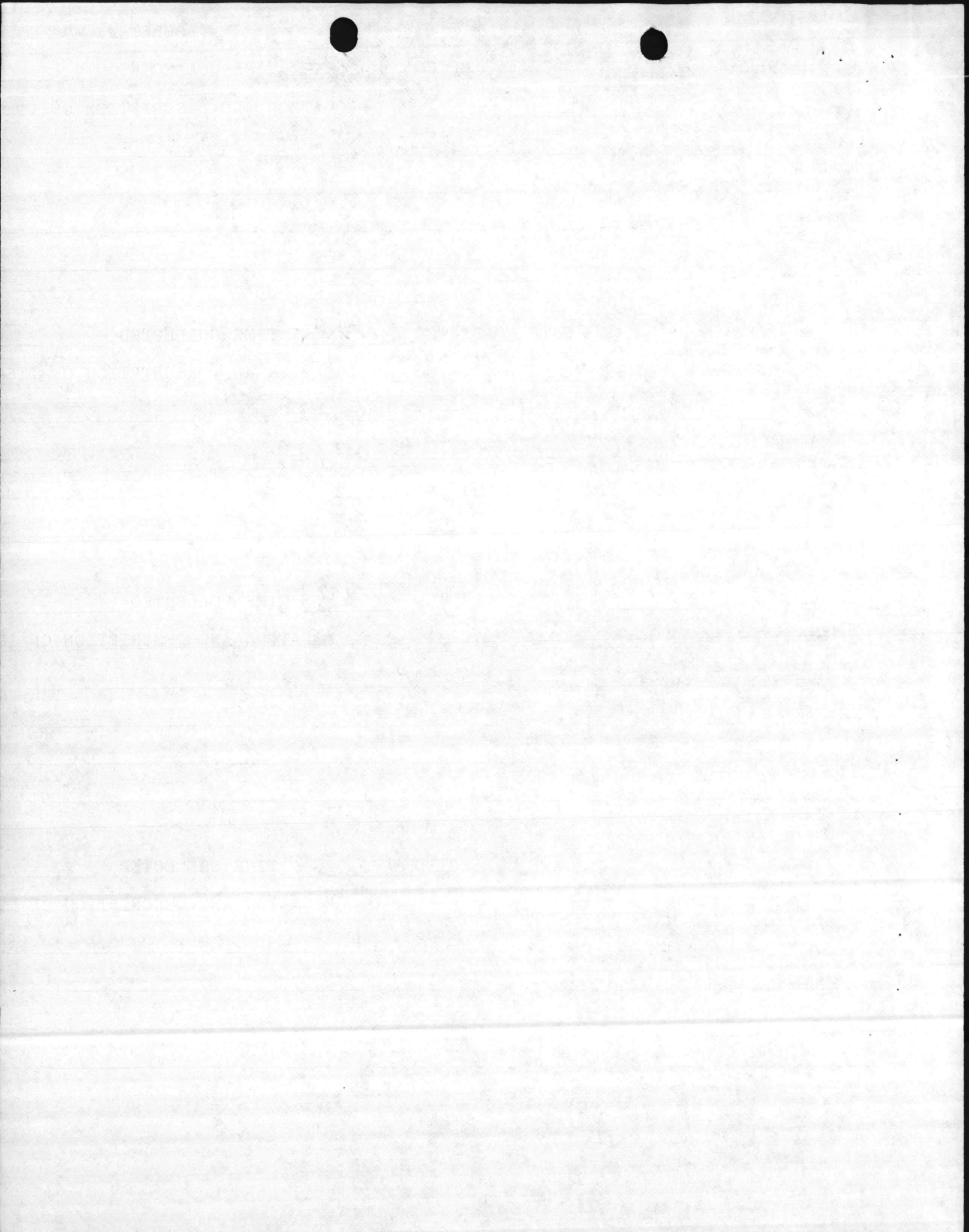
LOCATION AND DESCRIPTION OF ITEM

SAMPLED Drum As Hm LatCOMMENTS _____

_____SAMPLE # 52DATE COLLECTED 6/5/85 TIME COLLECTED _____NAME OF COLLECTOR H.B.

LOCATION AND DESCRIPTION OF ITEM

SAMPLED Drum As Hm LatCOMMENTS _____



SAMPLE # 53DATE COLLECTED 6/5/85

TIME COLLECTED _____

NAME OF COLLECTOR H.B.

LOCATION AND DESCRIPTION OF ITEM _____

SAMPLED Drum AS Am LatCOMMENTS _____

_____SAMPLE # 54DATE COLLECTED 6/5/85

TIME COLLECTED _____

NAME OF COLLECTOR H.B.

LOCATION AND DESCRIPTION OF ITEM _____

SAMPLED Drum AS Am LatCOMMENTS No sample due to stuck plug hole
Resampled 6/7/85SAMPLE # 55DATE COLLECTED 6/5/85

TIME COLLECTED _____

NAME OF COLLECTOR H.B.

LOCATION AND DESCRIPTION OF ITEM _____

SAMPLED Drum AS Am LatCOMMENTS _____

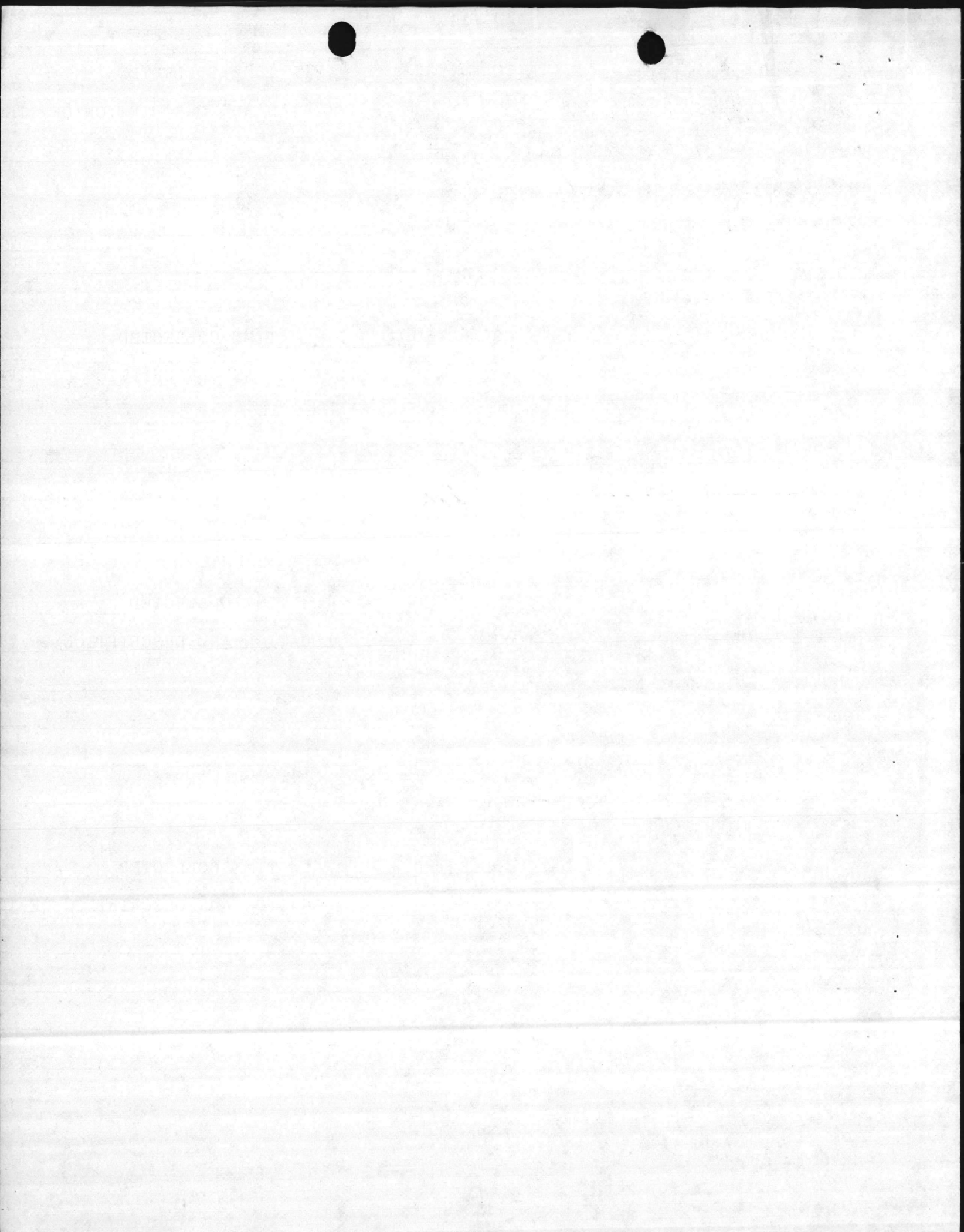
_____SAMPLE # 56DATE COLLECTED 6/5/85

TIME COLLECTED _____

NAME OF COLLECTOR H.B.

LOCATION AND DESCRIPTION OF ITEM _____

SAMPLED Drum AS Am LatCOMMENTS 5 gal container
Contents A/C cleaning compound



SAMPLE # 59 DATE COLLECTED 6/5/85 TIME COLLECTED _____

NAME OF COLLECTOR H. B. LOCATION AND DESCRIPTION OF ITEM _____

SAMPLED Drum AS Hon Lot

COMMENTS: 5 gal. drum

Contents Methyl Iso Butyl Alcohol

SAMPLE # 40 A DATE COLLECTED 6/17/85 TIME COLLECTED _____

NAME OF COLLECTOR H. B. LOCATION AND DESCRIPTION OF ITEM _____

SAMPLED Drum w/ Spec on side but unknown

COMMENTS Took sample anyway just in case need analysis

SAMPLE # _____ DATE COLLECTED _____ TIME COLLECTED _____

NAME OF COLLECTOR _____ LOCATION AND DESCRIPTION OF ITEM _____

SAMPLED _____

COMMENTS _____

SAMPLE # _____ DATE COLLECTED _____ TIME COLLECTED _____

NAME OF COLLECTOR _____ LOCATION AND DESCRIPTION OF ITEM _____

SAMPLED _____

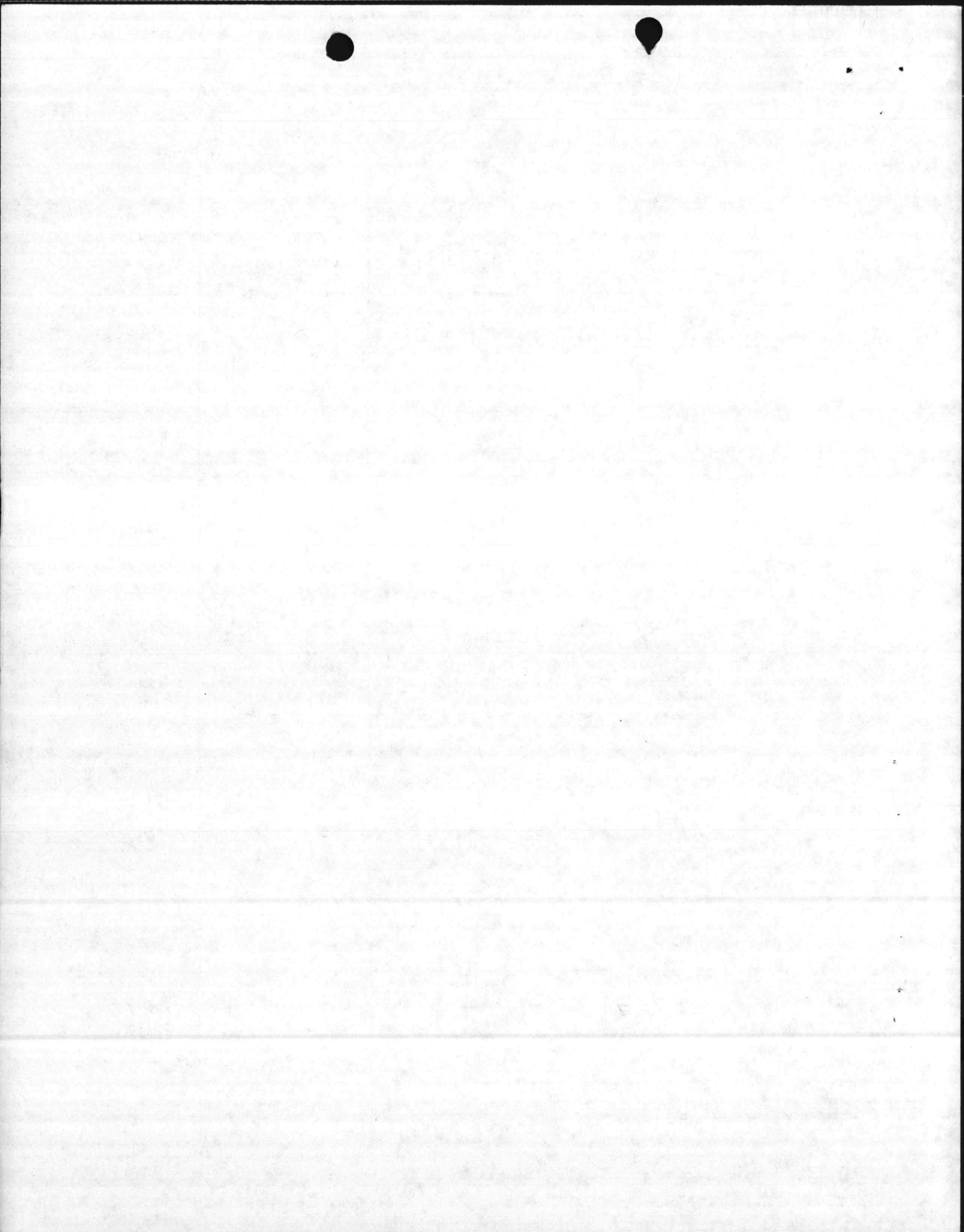
COMMENTS _____

HAZARDOUS WASTE CHARACTERISTIC ANALYSIS
OF AIR STATION BARRELS

PREPARED BY: ELIZABETH A. BETZ

DATE: 11 SEPTEMBER 1985

CHARACTERISTIC	SAMPLE # 33	SAMPLE # 34	SAMPLE # 35	SAMPLE # 36
CORROSIVITY: pH	NO RESULT SEE NOTE 1.	6-7 NEUTRAL 6-7	6-7 NEUTRAL	6-7 NEUTRAL
IGNITABILITY: FLASH POINT (140°F)	IGNITABLE 130°	IGNITABLE 117	IGNITABLE 95	IGNITABLE <85
REACTIVITY: CYANIDE (ppm) SULFIDE (ppm)	2 <5	2 <5	0.6 <5	3 <5
TOXICITY (LIMITS): As (5 ppm) Ba (100 ppm) Cd (1 ppm) Cr (5 ppm) Pb (5 ppm) Hg (0.2 ppm) Si (1.0 ppm) Ag (5 ppm)	<1 30 <1 TOXIC 100 TOXIC 440 0.06 <1 <1	<1 100 <1 <10 <5 <0.05 <1 <1	<1 TOXIC 500 TOXIC 13 TOXIC 320 TOXIC 20 <0.05 <1 <1	<1 <20 <1 TOXIC 30 TOXIC 100 <0.05 <1 <1
FCB	<10	<5	<5	<5
TOTAL ORGANIC % HALOGENS (TOX)	0.09	0.07	6.05	0.10
RECOMMENDED EPA HAZARDOUS WASTE ID #	D001	D001	D001	D001
COMMENTS (OTHER EPA HW ID #)	D007 D008		D005 D006 D007 D008	D007 D008
NOTES	1. A pH COULD NOT BE RUN DUE TO THE NATURE OF SAMPLE			

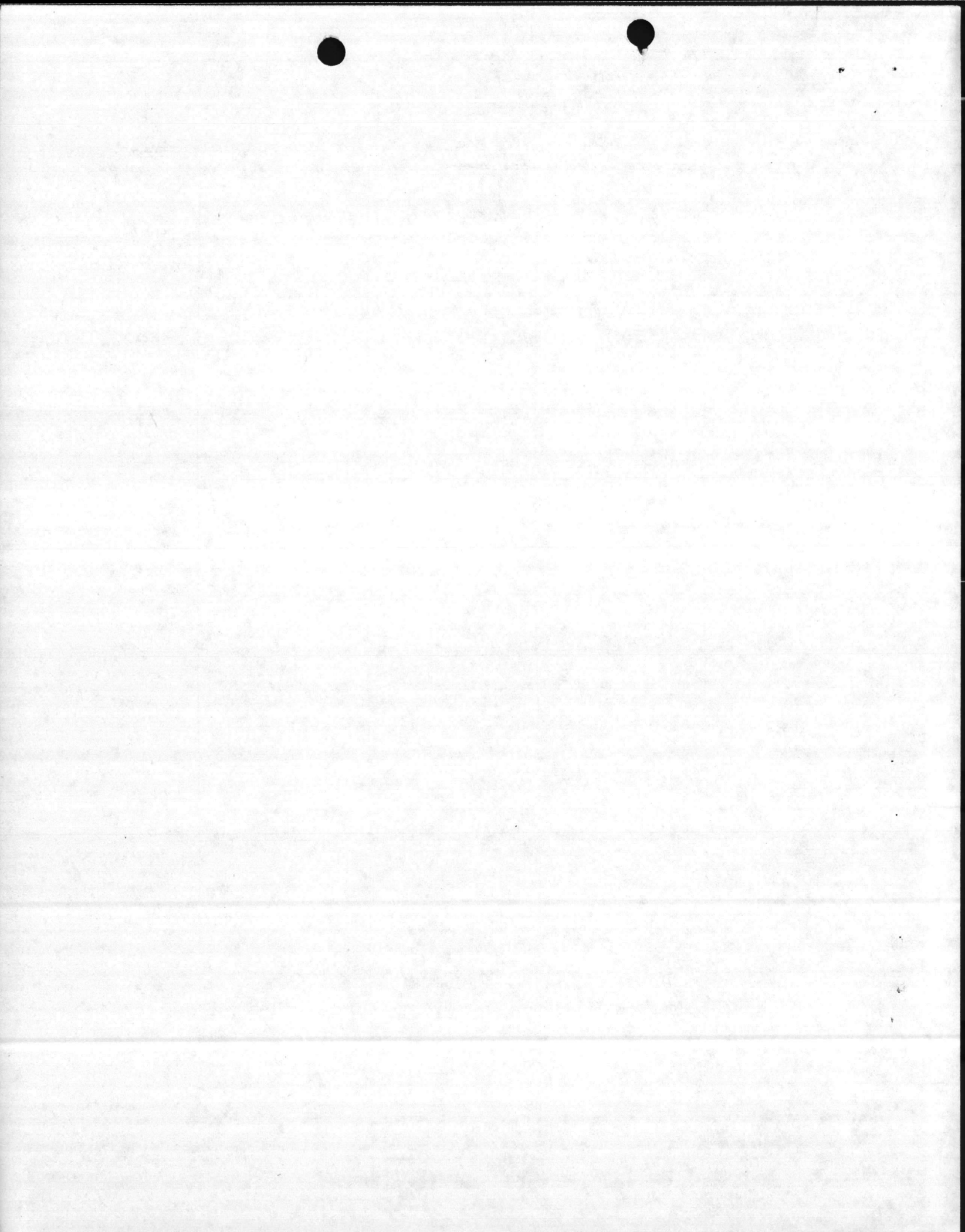


HAZARDOUS WASTE CHARACTERISTIC ANALYSIS OF AIR STATION BARRELS

PREPARED BY: ELIZABETH A. BETZ

DATE: 11 SEPTEMBER 1985

CHARACTERISTIC	SEE NOTE 2. SAMPLE # 37	SEE NOTE 3 SAMPLE # 38	SEE NOTE SAMPLE # 39	SEE NOTE 4. SAMPLE # 40
CORROSIVITY:	10			6-7
pH	SLIGHTLY ALKALINE			NEUTRAL
IGNITABILITY:	IGNITABLE			
FLASH POINT (140°F)	118	SEE NOTE 3.	SEE NOTE 3.	> 200
REACTIVITY:				
CYANIDE (ppm)	0.5			+
SULFIDE (ppm)	< 5			< 5
TOXICITY (LIMITS):				
As (5 ppm)	< 1			< 1
Ba (100 ppm)	< 20			< 20
Cd (1 ppm)	< 1			< 1
Cr (5 ppm)	TOXIC 2700			< 10
Pb (5 ppm)	< 5			< 5
Hg (0.2 ppm)	< 0.05			< 0.05
Si (1.0 ppm)	< 1			< 1
Ag (5 ppm)	< 1			< 1
PCB	< 5			< 5
TOTAL ORGANIC %				
HALOGENS (TOX)	0.67			0.09
RECOMMENDED EPA HAZARDOUS WASTE ID #	D001			NONE
COMMENTS (OTHER EPA HW ID #)	D007			



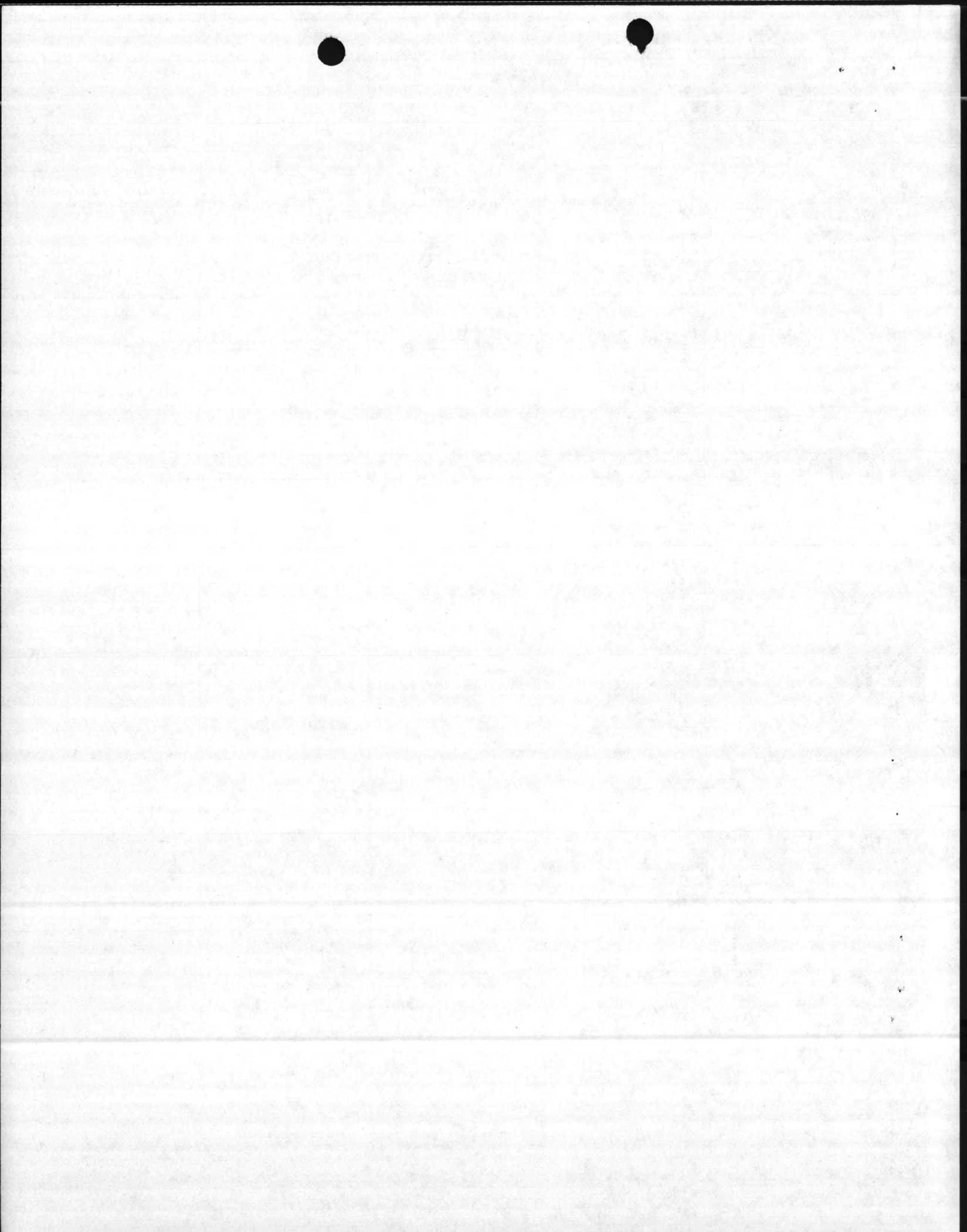
HAZARDOUS WASTE CHARACTERISTIC ANALYSIS

OF AIR STATION BARRELS

PREPARED BY: ELIZABETH A. BETZ

DATE: 11 SEPTEMBER 1985

CHARACTERISTIC	SEE NOTE 2 SAMPLE # 40A	SAMPLE # 41	SAMPLE # 42	SAMPLE # 43
CORROSIVITY:	6			
pH	NEUTRAL			
IGNITABILITY:	IGNITABLE			
FLASH POINT (140°F)	<85	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3
REACTIVITY:				
CYANIDE (ppm)	2	SEE NOTE 3	SEE NOTE 3	SEE NOTE 3
SULFIDE (ppm)	<5			
TOXICITY (LIMITS):				
As (5 ppm)	<1			
Ba (100 ppm)	<20			
Cd (1 ppm)	<1			
Cr (5 ppm)	TOXIC 2700			
Pb (5 ppm)	<5			
Hg (0.2 ppm)	<0.05			
Si (1.0 ppm)	<1			
Ag (5 ppm)	<1			
PCB	<5			
TOTAL ORGANIC %				
HALOGENS (TOX)	0.67			
RECOMMENDED EPA				
HAZARDOUS WASTE ID #	D001			
COMMENTS (OTHER EPA HW ID #)	D007			



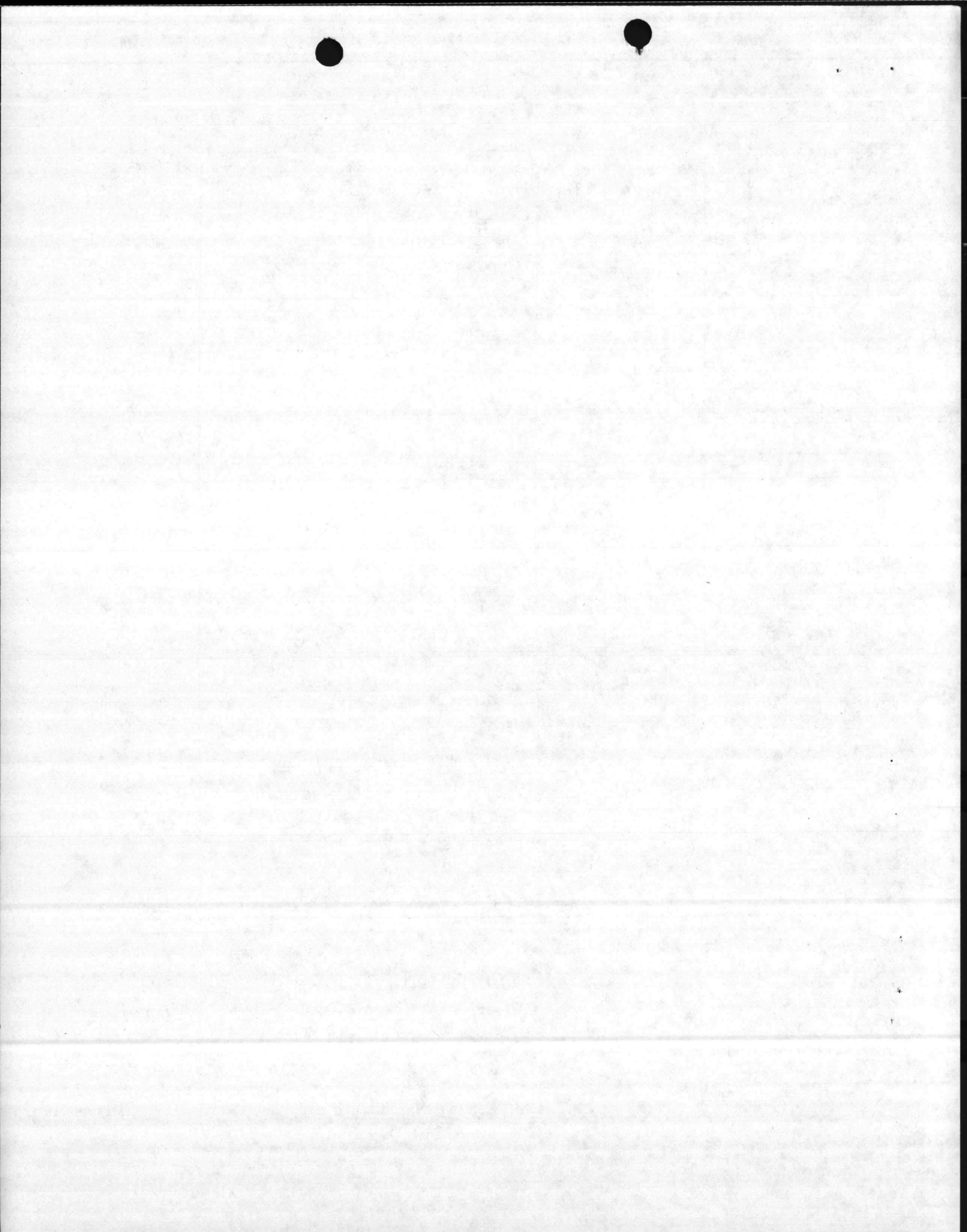
HAZARDOUS WASTE CHARACTERISTIC ANALYSIS

OF

PREPARED BY:

DATE:

CHARACTERISTIC	SAMPLE # 44	SEE NOTE 5. SAMPLE # 45	SAMPLE # 46	SEE NOTE 2. SAMPLE # 47
CORROSIONITY:		5	6-7	5
pH		SLIGHTLY ACIDIC	NEUTRAL	SLIGHTLY ACIDIC
IGNITABILITY:		IGNITABLE	IGNITABLE	IGNITABLE
FLASH POINT (140°F)		<85	<85	<85
REACTIVITY:	SEE NOTE 3			
CYANIDE (ppm)		0.4	1	1
SULFIDE (ppm)		<5	<5	<5
TOXICITY (Limits):				
As (5 ppm)		<1	<1	<1
Ba (100 ppm)		<20	<20	<20
Cd (1 ppm)		<1	TOXIC 2	<1
Cr (5 ppm)		TOXIC 4000	TOXIC 2100	TOXIC 2700
Pb (5 ppm)		TOXIC 54	5	<5
Hg (0.2 ppm)		TOXIC 0.79	0.13	<0.05
Si (1.0 ppm)		<1	<1	<1
Ag (5 ppm)		<1	<1	<1
PCB		<5	<5	<5
TOTAL ORGANIC %				
HALOGENS (TOX)		3.56	3.52	0.67
RECOMMENDED EPA				
HAZARDOUS WASTE ID #		D001	D001	D001
COMMENTS (OTHER EPA HWID#)		D007 D008 D009	D006 D007	D007



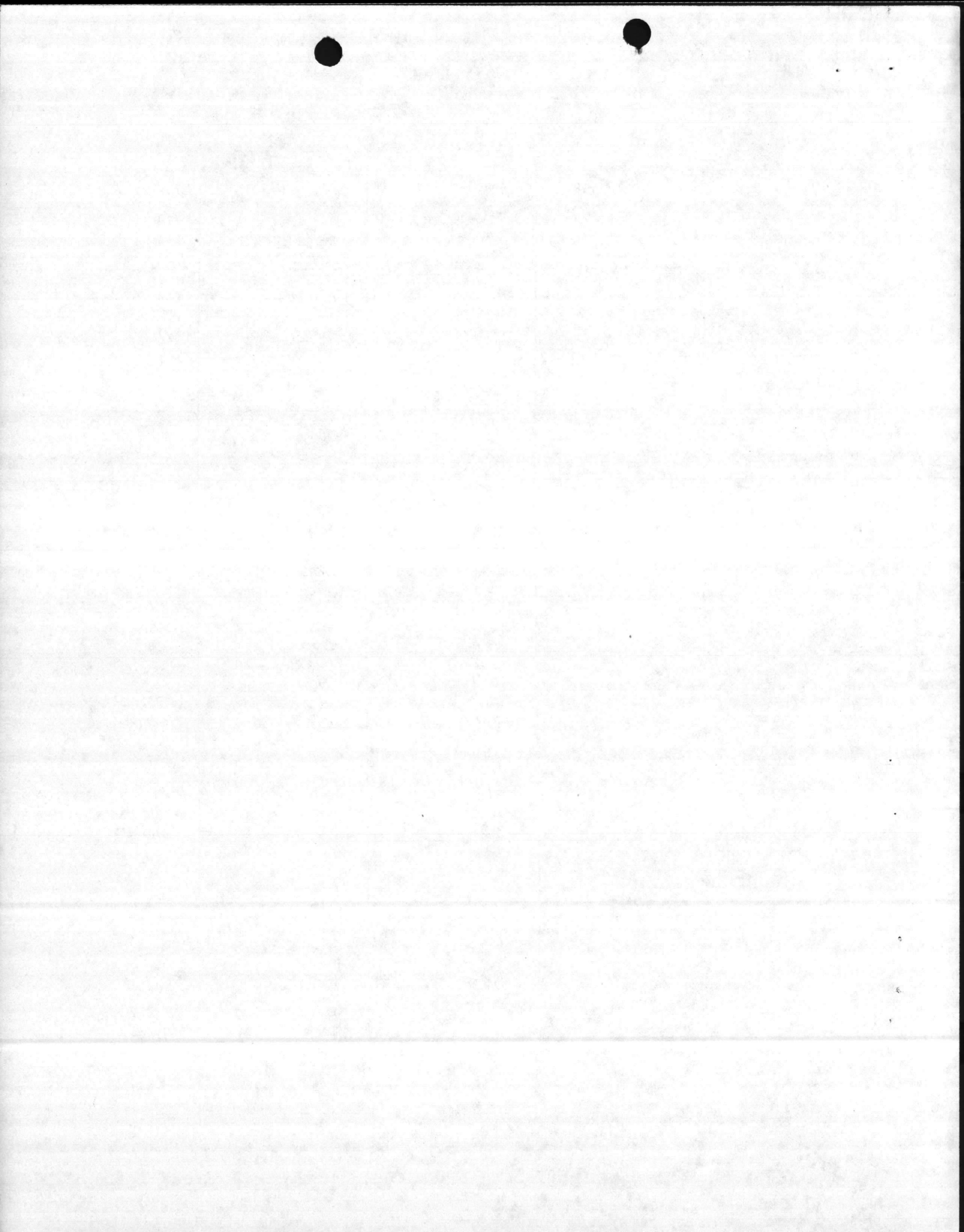
HAZARDOUS WASTE CHARACTERISTIC ANALYSIS

OF

PREPARED BY:

DATE:

CHARACTERISTIC	SEE NOTE 4. SAMPLE # 48	SAMPLE # 49	SAMPLE # 50	SAMPLE # 51
CORROSIVITY:	5	6-7	7	6
pH	SLIGHTLY ACIDIC	NEUTRAL	NEUTRAL	NEUTRAL
IGNITABILITY:			IGNITABLE	IGNITABLE
FLASH POINT (140°F)	>200	>200	<85	110°F
REACTIVITY:				
CYANIDE (ppm)	2	1	3	1
SULFIDE (ppm)	<5	<5	<5	<5
TOXICITY (LIMITS):				
As (5 ppm)	4	<1	<1	<1
Ba (100 ppm)	<20	<20	100	100
Cd (1 ppm)	<1	<1	TOXIC 3	1
Cr (5 ppm)	<10	<10	TOXIC 300	TOXIC 30
Pb (5 ppm)	<50	TOXIC 20	TOXIC 900	TOXIC 40
Hg (0.2 ppm)	<0.05	<0.05	TOXIC 0.25	<0.05
Se (1.0 ppm)	<1	<1	<1	<1
Ag (5 ppm)	<1	<1	<1	<1
PCB	<5	<5	<5	<10
TOTAL ORGANIC %				
HALOGENS (TOX)	0.09	0.08	0.35	3.07
RECOMMENDED EPA				
HAZARDOUS WASTE ID #	NONE	D008	D001	D001
COMMENTS (OTHER EPA HW ID #)			D006 D007 D008 D009	D007 D008

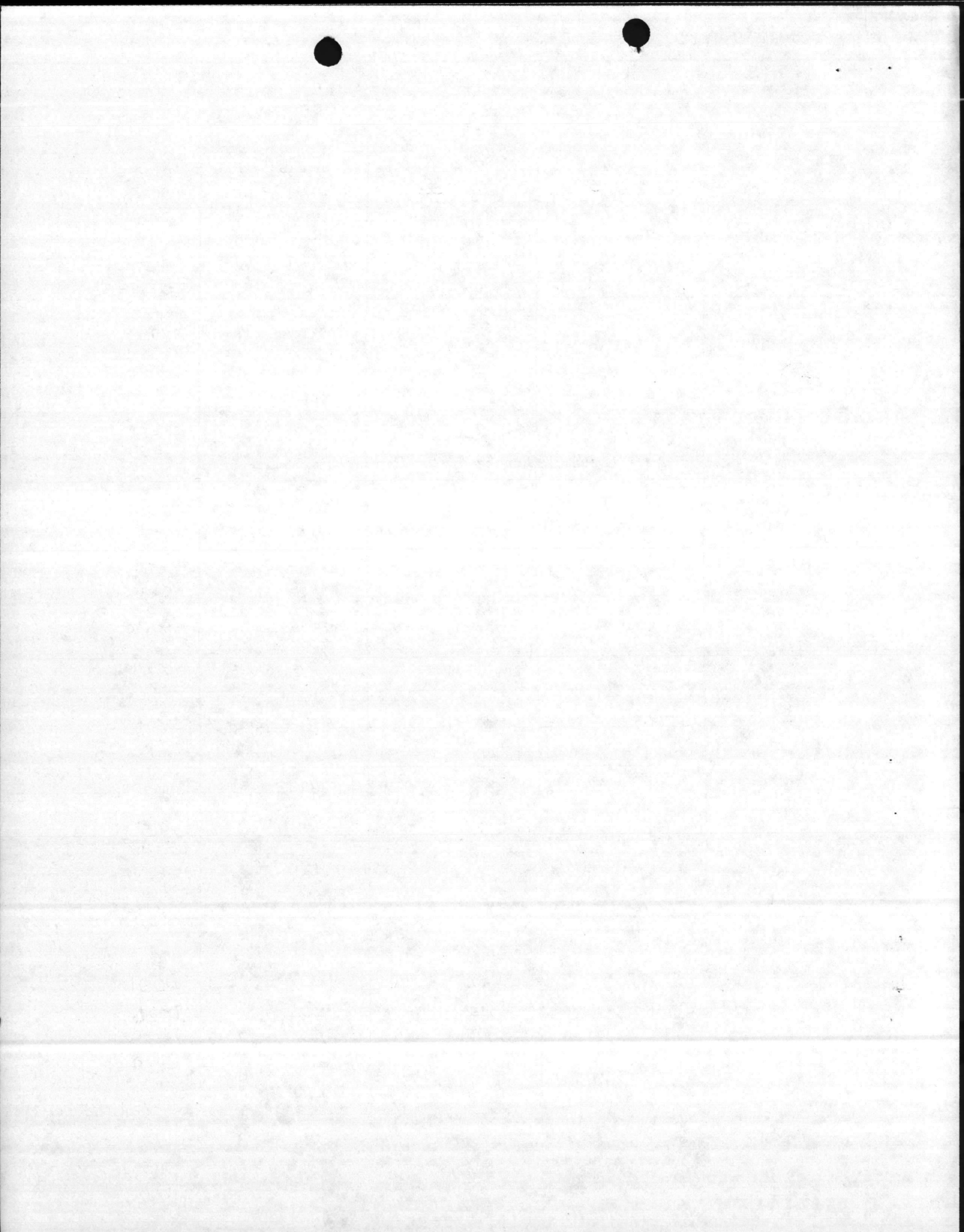


HAZARDOUS WASTE CHARACTERISTIC ANALYSIS

OF

PREPARED BY:

CHARACTERISTIC	SAMPLE # 52	SAMPLE # 53	DATE	
			SEE NOTE 5 SAMPLE # 54	SAMPLE # 55
CORROSIVITY:	8	11-12	5	8
pH	NEUTRAL	ALKALINE	SLIGHTLY ACIDIC	NEUTRAL
IGNITABILITY:	IGNITABLE	IGNITABLE		IGNITABLE
FLASH POINT (140°F)	<85	<85	7200	105°
REACTIVITY:				
CYANIDE (ppm)	2	1	0.3	<1
SULFIDE (ppm)	<5	<5	<5	<5
TOXICITY (LIMITS):				
As (5 ppm)	<1	<1	<1	<1
Ba (100 ppm)	<20	TOXIC 500	<20	50
Cd (1 ppm)	<1	<1	<1	TOXIC 3
Cr (5 ppm)	TOXIC 1600	TOXIC 5400	TOXIC 4000	TOXIC 1200
Pb (5 ppm)	<5	<5	TOXIC 54	TOXIC 7
Hg (0.2 ppm)	<0.05	<0.05	TOXIC 0.79	<0.05
Se (1.0 ppm)	<1	<1	<1	<1
Ag (5 ppm)	<1	<1	<1	<1
CB	<5	<5	<5	<5
TOTAL ORGANIC %				
HALOGENS (TOX)	0.10	54.4	356	1.34
RECOMMENDED EPA				
HAZARDOUS WASTE ID #	D001	D001	D007	D001
COMMENTS (OTHER EPA HW ID #)	D007	D005 D007	D008 D009	D006 D007 D008

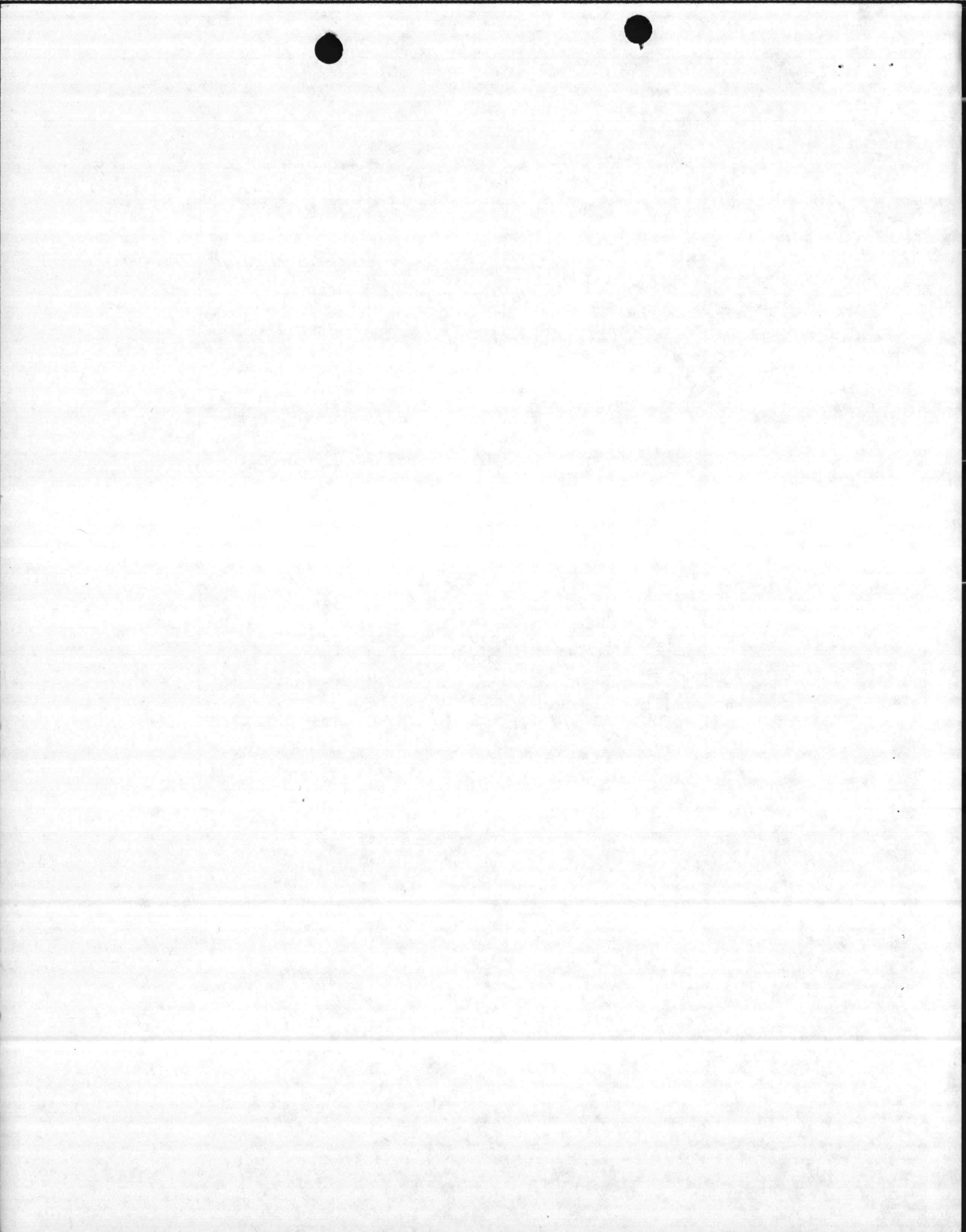


HAZARDOUS WASTE CHARACTERISTIC ANALYSIS

OF

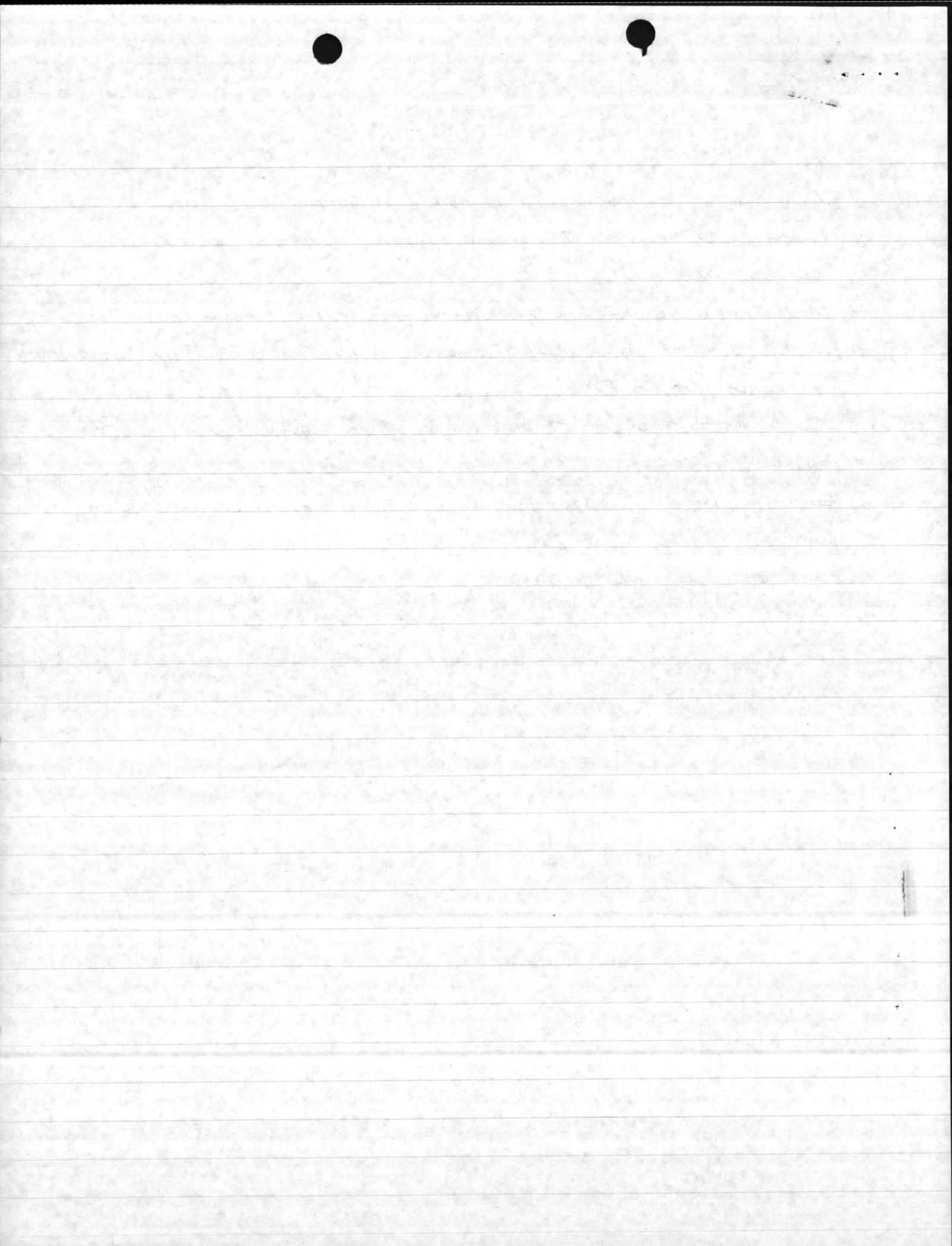
PREPARED BY:

CHARACTERISTIC	SEE NOTE 5 SAMPLE # 56	SEE NOTE 5 SAMPLE # 57	DATE SEE NOTES 4+6 SAMPLE # A	SEE NOTE 6 SAMPLE # B
CORROSIVITY:	5-6	7	10	6-7
pH	SLIGHTLY ACIDIC	NEUTRAL	SLIGHTLY ALKALINE	NEUTRAL
IGNITABILITY:		IGNITABLE	IGNITABLE	IGNITABLE
FLASH POINT (140°F)	>200	<85	101	<85
REACTIVITY:				
CYANIDE (ppm)	0.8	<3	0.4	<4
SULFIDE (ppm)	12	<5	<5	<5
TOXICITY (LIMITS):				
As (5 ppm)	<1	<1	<1	<1
Ba (100 ppm)	<20	<20	<20	<20
Cd (1 ppm)	<1	<1	<1	TOXIC 5
Cr (5 ppm)	TOXIC 4000	TOXIC 4000	<10	TOXIC 1600
Pb (5 ppm)	TOXIC 54	TOXIC 54	<5	TOXIC 60
Hg (0.2 ppm)	TOXIC 0.79	TOXIC 0.79	<0.05	TOXIC 0.71
Se (1.0 ppm)	<1	<1	<1	<1
Ag (5 ppm)	<1	<1	<1	<1
PCB	<5	<5	<5	<5
TOTAL ORGANIC %				
HALOGENS (TOX)	3.56	3.56	0.07	3.56
RECOMMENDED EPA				
HAZARDOUS WASTE ID #	D007	D001	D001	D001
COMMENTS (OTHER EPA HW ID #)	D008 D009	D007 D008 D009		D006 D007 D008 D009



NOTES

1. A pH COULD NOT BE RUN DUE TO THE NATURE OF SAMPLE
2. SAMPLE #S 37, 40A, AND 47 WERE COMPOSITED FOR ANALYSIS OF METALS, PCB AND TOX.
3. SAMPLE WAS EITHER BROKEN IN TRANSIT OR ONE OF THE UNREADABLE LABELS.
4. SAMPLE #S 40, 48, AND UNREADABLE LABEL A WERE COMPOSITED FOR ANALYSIS OF METALS, PCB AND TOX.
5. SAMPLE #S 45, 54, 56 AND 57 WERE COMPOSITED FOR ANALYSIS OF METALS, PCB AND TOX
6. ~~TWO SAMPLES~~ LABELS ON TWO SAMPLES WERE UNREADABLE SO THE LABORATORY IDENTIFIED THEM AS A AND B. AT THIS TIME IT IS NOT POSSIBLE TO TELL WHICH OF THE 6 BARRELS THESE TWO WERE.



Adm

Danny B
OPNAV 5216/144 (REV. 8-78)
S/N 0107-LF-728
DEPARTMENT OF THE NAVY

Danny B

T-6241/1

Check with L D Shepal

Memorandum

5158 This is to cover

FROM:

Base maintenance

any item pumped out of

TO:

NREAD

BETSY
our LOT.

SUBJ:

Analyze the

FOR YOUR FILES let
find

It is requested that the
substance in barrels
disposal. This liquid
storage tanks located

Below Danny D.
1165
under ground
lot 1102.

5 samples
taken 17 Nov 65
0930
Baker + Bete

Turner

DATE 11/15

11/15

Content of liquid substance

11/15
A chemical analysis of liquid
substance was conducted at lab 11/15

11/15
The results of the analysis
are as follows: 11/15



Danny B
OPNAV 5216/144 (REV. 5-78)
S/N 0107-LF-728

DEPARTMENT OF THE NAVY

Memorandum

Danny B

T-6241/1

Check with L D Shepal

FROM: Base main

5158. This is to cover any ITEM pumped out of TANKS from our LOT.

TO: NREAD

SUBJ: Analyze the

It is a liquid substance in barrels located at lot 1102 for proper disposal. This liquid was removed from under ground storage tanks located in lot 1102.

5 Samples Taken 17 Nov 65
0930 BAKER + BOTE

Turner

20

Date: 11/1/1911

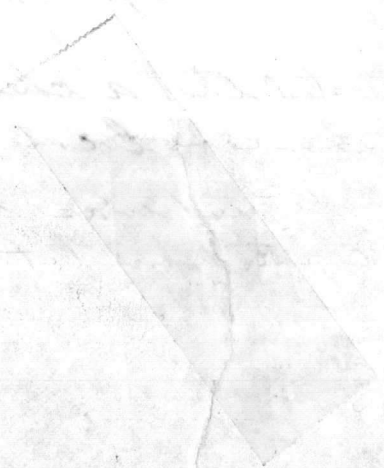
Mr. J. H. ...

Dear Sir,

I have the honor to acknowledge the receipt of your letter of the 10th inst. in relation to the above matter.

The same has been referred to the proper authorities for their consideration.

I am, Sir, very respectfully,
 Yours truly,
 J. H. ...



DEPARTMENT OF THE NAVY

Memorandum

DATE: 11/4/85

FROM:

Base maintenance

TO:

NREAD

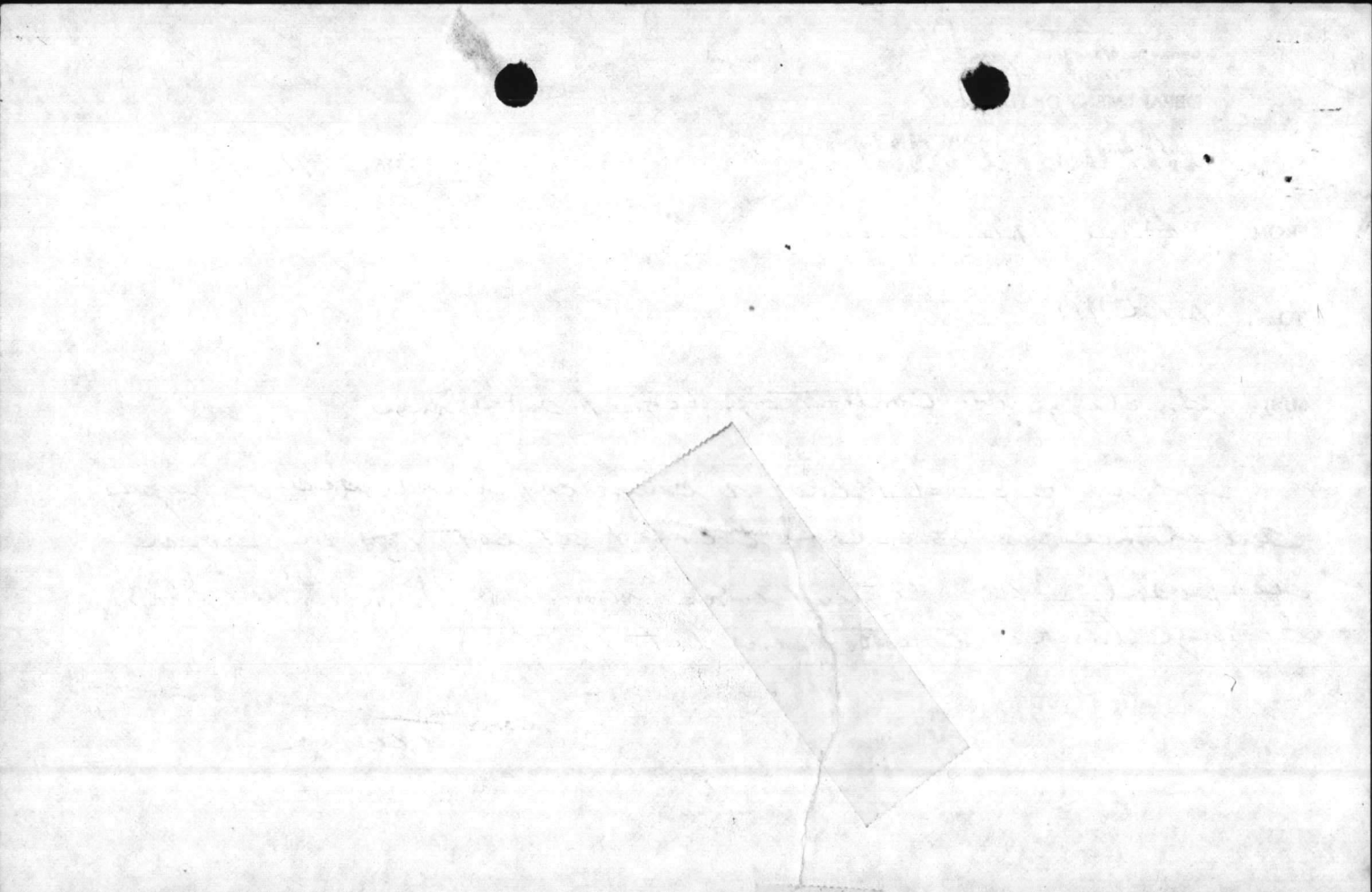
SUBJ:

Analyze the content of liquid substance

It is requested that a chemical analysis of liquid substance in barrels located at lot ~~1100~~¹¹⁰⁵ for proper disposal. This liquid was removed from under ground storage tanks located in lot 1102.

5 samples
taken 17 NOV 85
0930
BECKER + BOTE

Turner



PACKAGING AND PRESERVATION WORK REQUEST
 (MIL-STD-4000 (REV 3-70))

E FILE 6241/1

TO: PRESERVATION, PACKAGING AND PACKING BRANCH, MOWASP DIV., BMATBN, MCB, CLNC

FROM (UNIT) Water Quality Control Laboratory, NREAD	DATE 21 Nov 1985	UNIT PRIORITY DESIGNATOR ASAP
PERSON FAMILIAR WITH WORK REQUESTED Elizabeth A. Betz	PHONE 451-5977	BLDG NO. 65

FOLLOWING WORK IS REQUESTED

Package two laboratory samples with analysis request sheet for shipment by Traffic Management Officer.

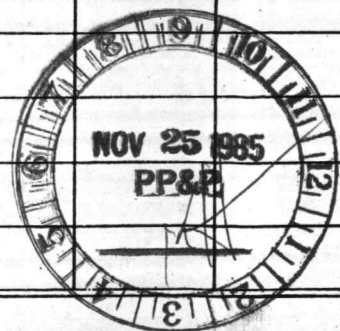
TYPE WORK REQUESTED (X)									
(*)PACKAGE AND PRESERVE <input type="checkbox"/>	LEVEL <input type="checkbox"/>	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	(*)PACK <input type="checkbox"/>	LEVEL <input type="checkbox"/>	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>
CONSTRUCT	BOXES <input type="checkbox"/>	CRATES <input type="checkbox"/>	PAINT AND MARK <input type="checkbox"/>			TACTICAL MARK	<input type="checkbox"/> YES <input type="checkbox"/> NO		

DETAILS (LIST INSIDE DIMENSIONS IF CONSTRUCTION IS DESIRED; COLOR OF PAINT, PATTERN AND NUMBER OF TACTICAL MARK, ANY SPECIAL INSTRUCTIONS)

Laboratory Technician must stay with samples until package is sealed. Chain of custody is involved.

AA 637 0503 3228 1/21

DEAD LINE DELIVERY DATE 22 Nov 1985	WR NO.	SIGNATURE <i>Elizabeth A. Betz</i> Elizabeth Betz	
BASE MAINT. UNDERGROUND TANK	or P&P Use Only	JOB CHARGEABLE	P&P CONTROL NO.
MEASUREMENT INFO PROJ 12		WORK MEASUREMENT INFO PROJ 11 & 94 TOTALS (LESS PROJ 12)	
	NO. OF PKGS	CUBE	WEIGHT
			VEHICLES
			BOXES BUILT



IF SPACES MARKED WITH AN ASTERISK (*) ARE FILLED IN, COMPLETE REVERSE SIDE

LINE ITEMS	NOMENCLATURE	FSN	QUANTITY	UNIT OF ISSUE	NO. PER INTERMEDIATE PACKAGE	NO. OF ITEMS PER PACK	ITEMS PER MULTIPLE PACK NO. OF PACK
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							
21.							
22.							
23.							
24.							
25.							
26.							
27.							

DATE RECORDED BY P&P BRANCH

PICKED UP BY

DATE COMPLETED BY P&P BRANCH

DATE

PACKAGING AND PRESERVATION WORK REQUEST
 FORM 4030 (REV 3-70)

E FILE 6241/1

TO: PRESERVATION, PACKAGING AND PACKING BRANCH, MOWASP DIV., BMATBN, MCB, CLNC

FROM (UNIT) Water Quality Control Laboratory, NREAD	DATE 21 Nov 1985	UNIT PRIORITY DESIGNATOR ASAP
PERSON FAMILIAR WITH WORK REQUESTED Elizabeth A. Betz	PHONE 451-5977	BLDG NO. 65

FOLLOWING WORK IS REQUESTED

Package two laboratory samples with analysis request sheet for shipment by Traffic Management Officer.

TYPE WORK REQUESTED (X)					
(*)PACKAGE AND PRESERVE <input type="checkbox"/>	LEVEL <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C	(*)PACK <input type="checkbox"/>	LEVEL <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C		
CONSTRUCT	BOXES <input type="checkbox"/>	CRATES <input type="checkbox"/>	PAINT AND MARK <input type="checkbox"/>	TACTICAL MARK <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

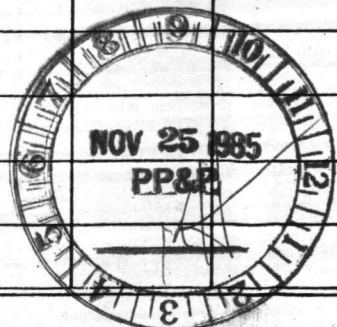
DETAILS (LIST INSIDE DIMENSIONS IF CONSTRUCTION IS DESIRED; COLOR OF PAINT, PATTERN AND NUMBER OF TACTICAL MARK, ANY SPECIAL INSTRUCTIONS)

Laboratory Technician must stay with samples until package is sealed. Chain of custody is involved.

AA 637 0503 3228 1/21

DEAD LINE DELIVERY DATE 22 Nov 1985	WR NO.	SIGNATURE <i>Elizabeth A. Betz</i> Elizabeth Betz
Spaces On and Below This Line For P&P Use Only		JON CHARGEABLE
		P&P CONTROL NO.

WORK MEASUREMENT INFO PROJ 12				WORK MEASUREMENT INFO PROJ 11 & 94 TOTALS (LESS PROJ 12)			
NO. OF ITEMS	TONS	NO. OF PKGS		CUBE	WEIGHT	VEHICLES	BOXES BUILT



IF SPACES MARKED WITH AN ASTERISK (*) ARE FILLED IN, COMPLETE REVERSE SIDE

LINE ITEMS	NOMENCLATURE	FSN	QUANTITY	UNIT OF ISSUE	NO. PER INTERMEDIATE PACKAGE	NO. OF ITEMS PER PACK	ITEMS PER MULTIPLE PACK NO. OF PACK
1.							
2.							
3.							
4.							
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24.							
25.							
26.							
27.							

DATE RECORDED BY P&P BRANCH

PICKED UP BY

DATE COMPLETED BY P&P BRANCH

DATE

Memorandum

DATE: 21 Nov 1985

4610
NREAD

FROM: Director, Natural Resources and Environmental Affairs Division
Marine Corps Base, Camp Lejeune
TO: Traffic Management Officer, Marine Corps Base, Camp Lejeune

SUBJ: TRANSPORTATION OF LABORATORY SAMPLES; REQUEST FOR

1. Request shipment of two laboratory samples to JTC Environmental Consultants, Incorporated, Suite L-10, 4 Research Place, Rockville, Maryland 20850, Attn: Navy Contractor (phone 301-921-9790).

Elizabeth Betz
ELIZABETH BETZ
By direction

TCN: M31000 5329 0545 XXX





ANALYSIS REQUEST

- Samples: 1. From an underground tank. Believed to contain
Linsed Oil, very old
2. From barrels containing probably a combination of
Varsol and Turpentine

Parameters Requested: Flash Point
Volatile Organic Chemical
Methyl Ethyl Ketone

Cover Under: Navy Contract

Samples Taken by Water Quality Control Laboratory, NREAD, Marine
Corps Base, Camp Lejeune, North Carolina

Turnaround: Two Weeks

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T-624171

ROUTINE REPLY, ENDORSEMENT, TRANSMITTAL OR INFORMATION SHEET

OPNAV 5216/158 (Rev. 7-78)
SN 0107-LF-052-1691

A WINDOW ENVELOPE MAY BE USED
Formerly NAVEXOS 3789

CLASSIFICATION (UNCLASSIFIED when detached from enclosures, unless otherwise indicated)

FROM (Show telephone number in addition to address)

LANTOIN C003 1142 564-7221

DATE

24 DEC 85

SUBJECT

TEST RESULTS

SERIAL OR FILE NO.

6280 1142 OPG

TO:

MCB CAMP CRETUNTE
BASE MAINTENANCE
ENVIRONMENTAL AFFAIRS DIVISION

REFERENCE

ENCLOSURE

- (1) JTC REPORT # 193
- (2) " " #194 - PCB
- (3) " " #199 - VOC @ AP-TT

VIA:

ENDORSEMENT ON

FORWARDED
 RETURNED
 FOLLOW-UP, OR TRACER
 REQUEST
 SUBMIT
 CERTIFY
 MAIL
 FILE

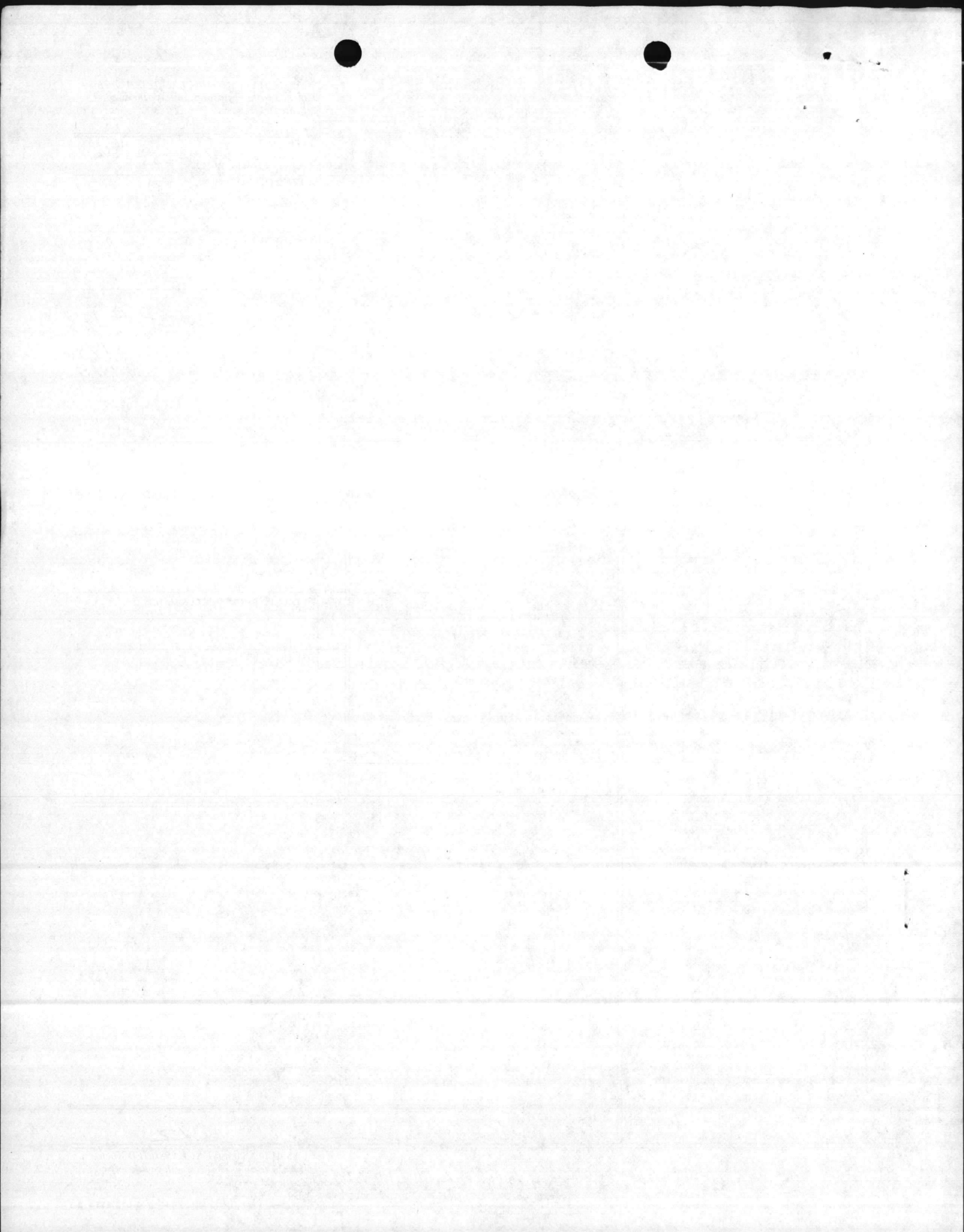
GENERAL ADMINISTRATION		CONTRACT ADMINISTRATION		PERSONNEL	
<input checked="" type="checkbox"/>	FOR APPROPRIATE ACTION UNDER YOUR COGNIZANCE		NAME & LOCATION OF SUPPLIER OF SUBJECT ITEMS	REPORTED TO THIS COMMAND:	
	INFORMATION		SUBCONTRACT NO. OF SUBJECT ITEM	DETACHED FROM THIS COMMAND	
	APPROVAL RECOMMENDED <input type="checkbox"/> YES <input type="checkbox"/> NO		APPROPRIATION SYMBOL, SUBHEAD, AND CHARGEABLE ACTIVITY	OTHER	
	<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		SHIPPING AT GOVERNMENT EXPENSE <input type="checkbox"/> YES <input type="checkbox"/> NO		
	COMMENT AND/OR CONCURRENCE		A CERTIFICATE, VICE BILL OF LADING		
	CONCUR		COPIES OF CHANGE ORDERS, AMENDMENT OR MODIFICATION		
	LOANED, RETURN BY:		CHANGE NOTICE TO SUPPLIER		
	SIGN RECEIPT & RETURN		STATUS OF MATERIAL ON PURCHASE DOCUMENT		
	REPLY TO THE ABOVE BY:	REMARKS (Continue on reverse)			
	REFERENCE NOT RECEIVED				
	SUBJECT DOCUMENT FORWARDED TO:				
	SUBJECT DOCUMENT RETURNED FOR:				
	SUBJECT DOCUMENT HAS BEEN REQUESTED, AND WILL BE FORWARDED WHEN RECEIVED				
	COPY OF THIS CORRESPONDENCE WITH YOUR REPLY				
	ENCLOSURE NOT RECEIVED				
	ENCLOSURE FORWARDED AS REQUESTED				
	ENCLOSURE RETURNED FOR CORRECTION AS INDICATED				
	CORRECTED ENCLOSURE AS REQUESTED				
	REMOVE FROM DISTRIBUTION LIST				
	REDUCE DISTRIBUTION AMOUNT TO:				
		SIGNATURE & TITLE <i>David Gooden 1142</i>			

COPY TO:

1141 (w/o encls, (1)(2)), 1142 (w/o encls, (2)(3)), 1143 (w/o encls, (1)(2)), 1145, 1145

CLASSIFICATION (UNCLASSIFIED when detached from enclosures, unless otherwise indicated)

ORIGINAL IN 11337



REPORT # 193
LABORATORY ANALYSIS ON
NAVAL SAMPLES
(A/E CONTRACT N62470-84-B-6932)
JTC REPORT # 85-541

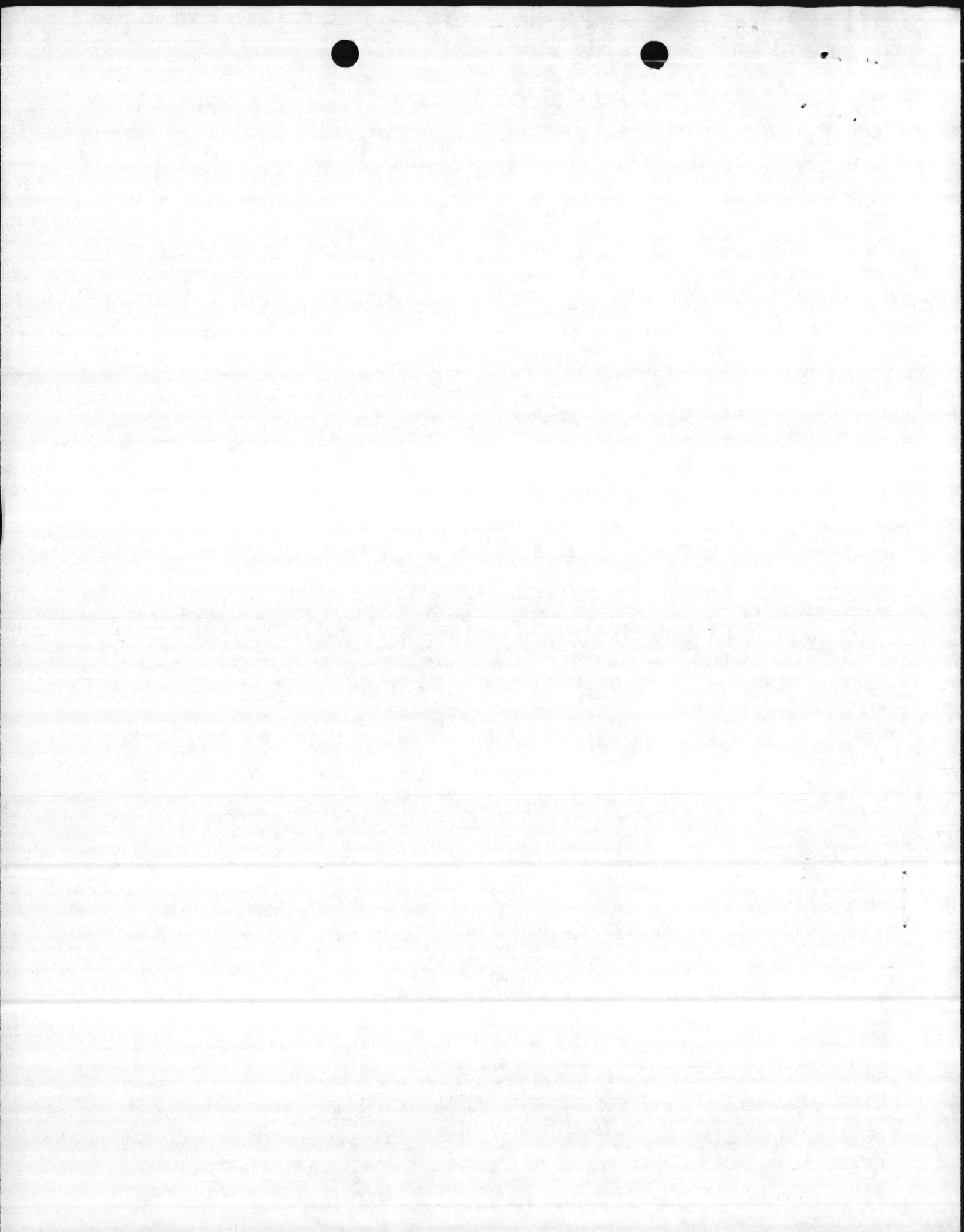
PREPARED FOR:
DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VA 23511

PREPARED BY:
JTC ENVIRONMENTAL CONSULTANTS, INC.
4 RESEARCH PLACE, SUITE L-10
ROCKVILLE, MARYLAND 20850

DECEMBER 16, 1985

Ann E Rosecrance

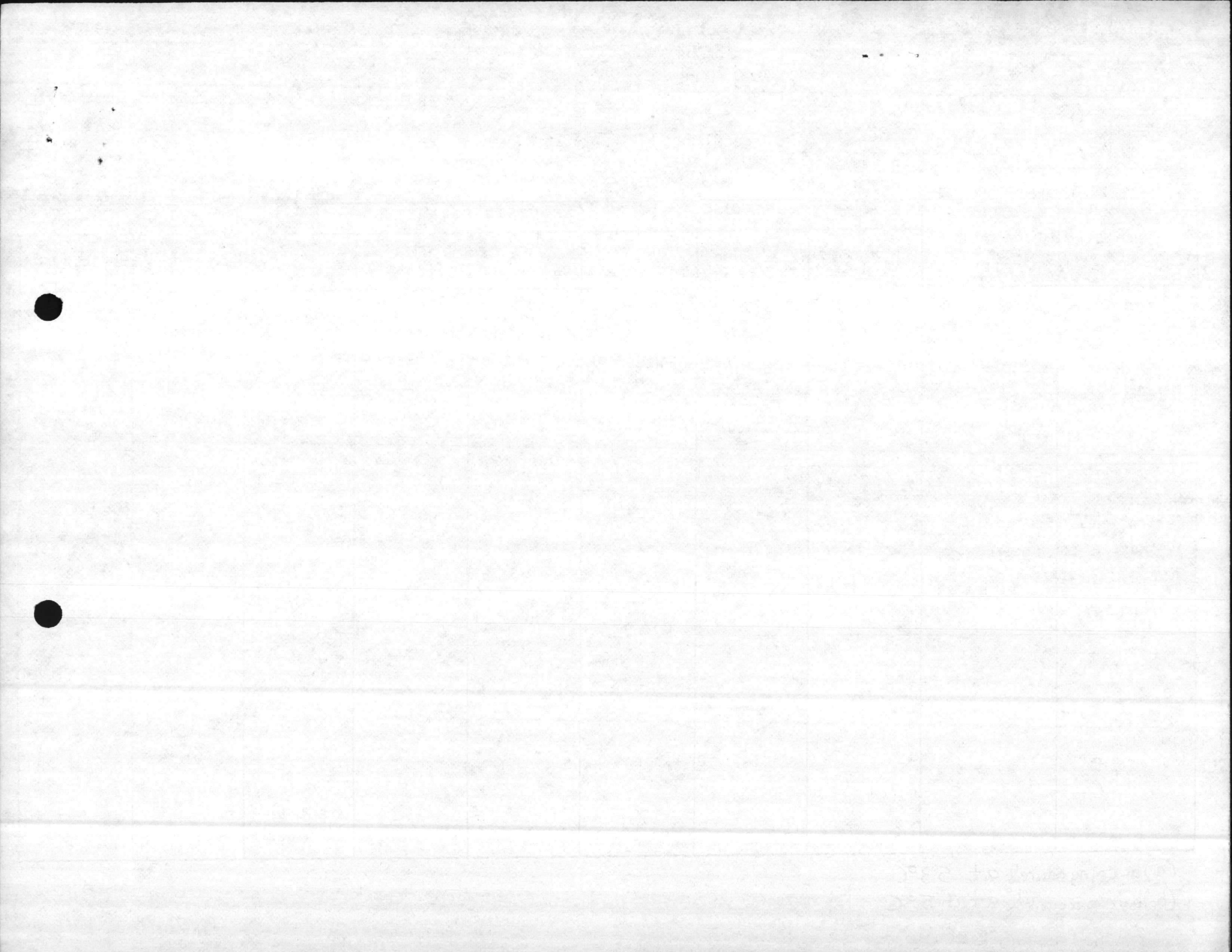
Ann E. Rosecrance
Laboratory Director



Location: Camp Lejeune MC BCL Date of Receipt: 12-3-85 Turnaround: 2 week
 Date: 12/16/85 Report No. 193 to Naval Facilities Engineering Command, Norfolk, Virginia
 JTC Data Report No. 85-541 Table 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		Flashpoint	VOA					
Tank of Linseed Oil 11-19-85	12-1827	< 25°C (a)	see attached sheet					
Barrel of Varsol / Turpentine 11-19-85	12-1828	< 25°C (b)						

(a) burning occurred at 53°C
 (b) burning occurred at 55°C



J
T
C

Environmental Consultants, Inc.

PRIORITY POLLUTANT ANALYSIS DATA SHEET

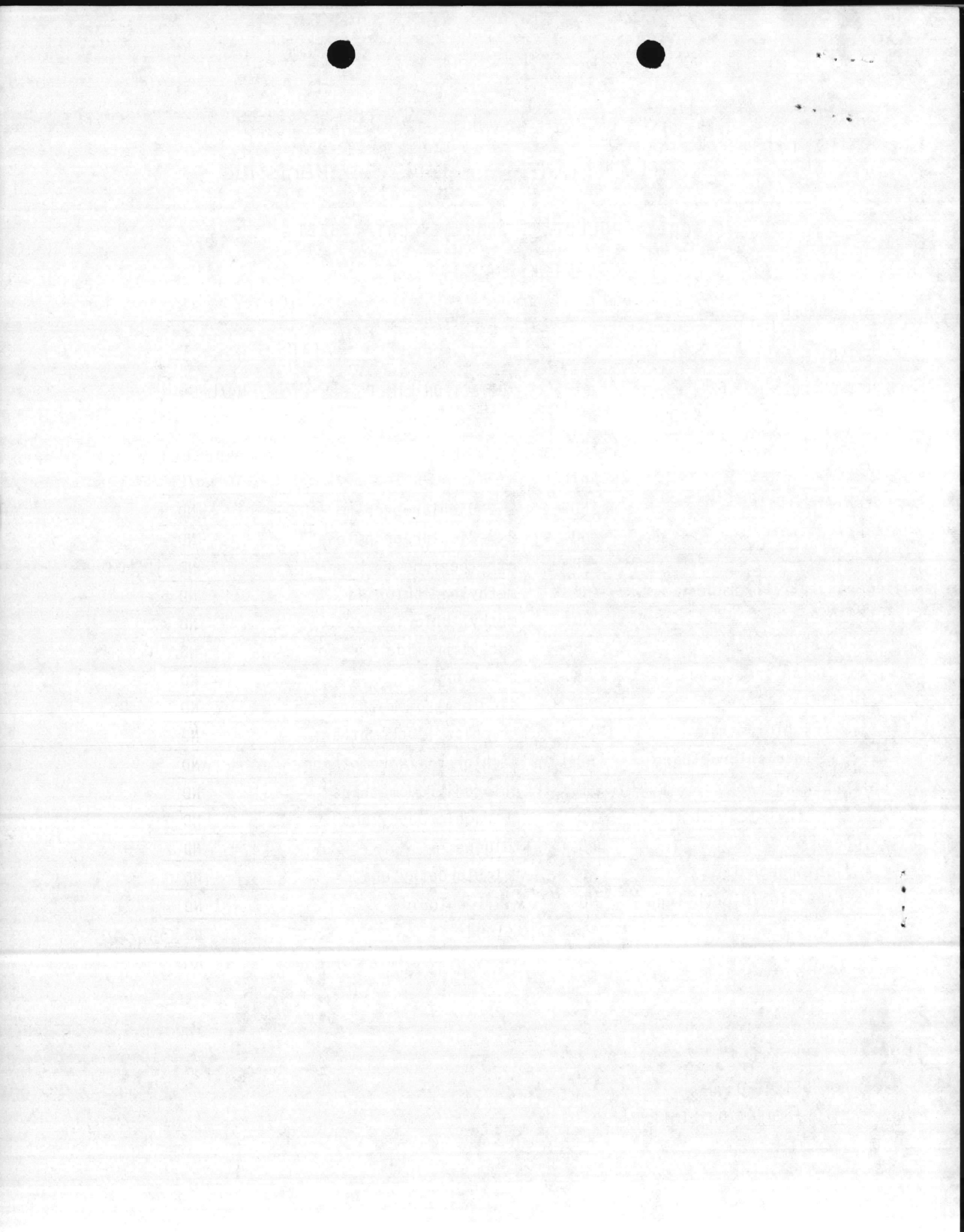
VOLATILE FRACTION

JTC SAMPLE # 12-1827 PROJECT NO. NF-12 #193
CLIENT SAMPLE # Linseed Oil DATE RECEIVED 12/3/85
METHOD NO. 624 DETECTION LIMIT 50,000 ug/L

PARAMETER	RESULT	PARAMETER	RESULT
	ug/L		ug/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	ND	ethylbenzene	ND 10,700 *
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	ND 19,500 *	bromoform	ND
1,1-dichloroethane	ND	dichlorobromomethane	ND
1,1,2-trichloroethane	ND	trichlorofluoromethane	ND
1,1,2,2-tetrachloroethane	ND 11,000 *	dichlorodifluoromethane	ND
chloroethane	ND	chlorodibromomethane	ND
2-chloroethylvinylether	ND	tetrachloroethylene	ND
chloroform	ND	toluene	ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylenes	ND 35,000 *
		Methyl ethyl ketone	ND

ND = NOT DETECTED

* = BELOW DETECTION LIMIT



J
T

C Environmental Consultants, Inc.

PRIORITY POLLUTANT ANALYSIS DATA SHEET

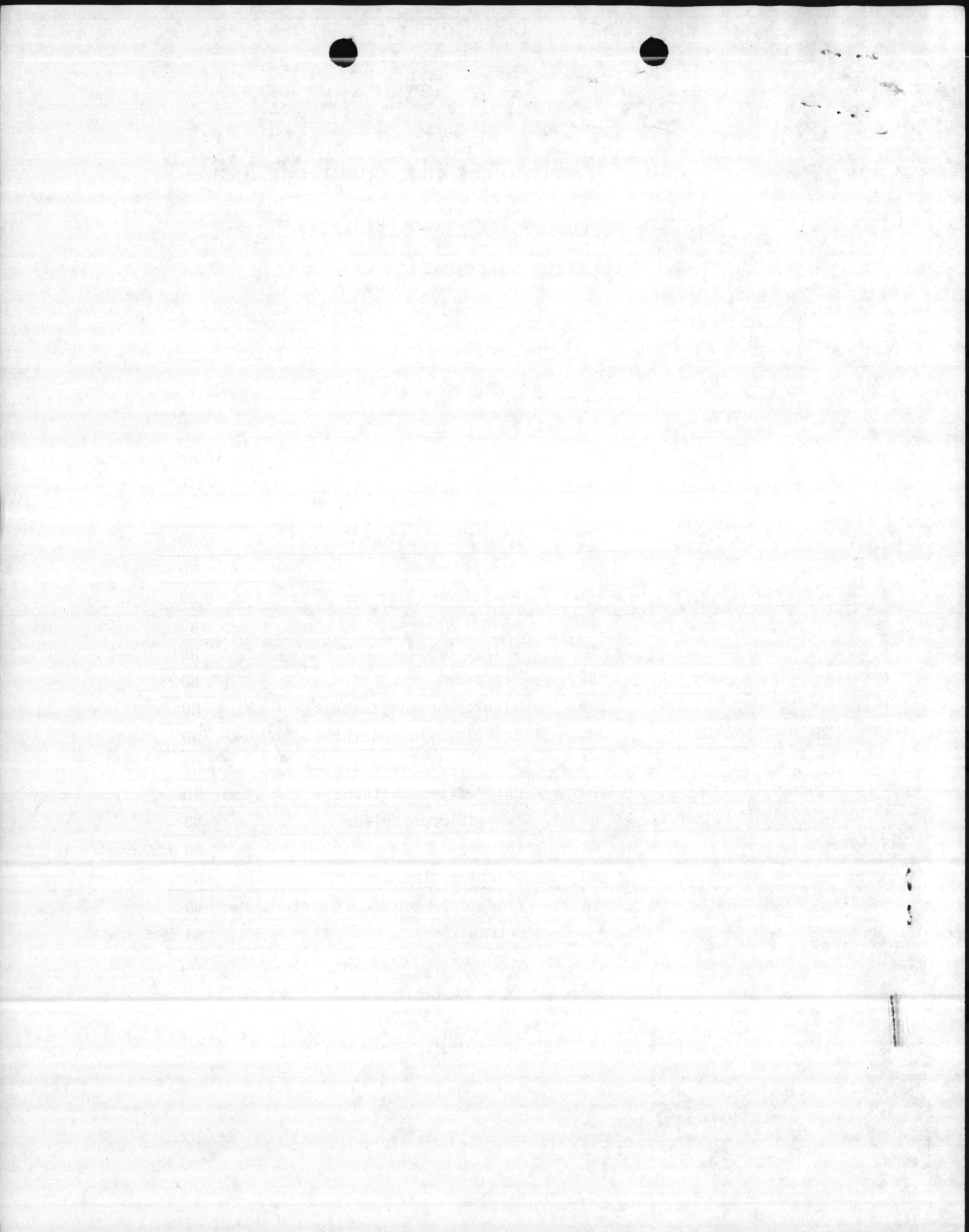
VOLATILE FRACTION

JTC SAMPLE # 12-1828 PROJECT NO. NF-12 # 193
CLIENT SAMPLE # Varsol/Turpentine DATE RECEIVED 12/3/85
METHOD NO. 624 DETECTION LIMIT 50,000 ug/L

PARAMETER	RESULT ug/L	PARAMETER	RESULT ug/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	ND	ethylbenzene	ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	ND 12,000*	bromoform	ND
1,1-dichloroethane	ND	dichlorobromomethane	ND
1,1,2-trichloroethane	ND	trichlorofluoromethane	ND
1,1,2,2-tetrachloroethane	ND	dichlorodifluoromethane	ND
chloroethane	ND	chlorodibromomethane	ND
2-chloroethylvinylether	ND	tetrachloroethylene	ND
chloroform	ND	toluene	ND 150,000
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylenes	ND 25,000*
		methyl ethyl ketone	ND

ND = NOT DETECTED

* = BELOW DETECTION LIMIT





UNITED STATES MARINE CORPS
Natural Resources and Environmental Affairs Division
Marine Corps Base
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO:
6241/1
NREAD
22 August 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental Branch
To: Director, Natural Resources and Environmental Affairs Division
Via: Supervisory Ecologist, Environmental Branch *D.D.S.*
Subj: CONTAMINATED SOIL DEPOSITED AT LANDFILL; ANALYSIS OF
Encl: (1) Excerpts from JTC Environmental Consultants, Inc.
Report No. 54 dated 28 June 1985

1. The enclosure provides data on the oil contaminated soil removed from the Fire Training Area and disposed of in the landfill.

Elizabeth A. Betz
ELIZABETH A. BETZ

NREAD
27 Aug 1985

FIRST ENDORSEMENT

From: Director, Natural Resources and Environmental Affairs Division
To: Base Maintenance Officer

1. Readdressed and forwarded.
2. This analysis indicates that the oil contaminated soil removed from the Fire Training Area may be used as cover at the landfill.

JULIAN I. WOOTEN

CONTAMINATED
SOIL
@
LANDFILL

1952
1951
1950

1949

1948

1947

1946

1945

1944

1943

1942

1941

1940

1939

1938

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UNITED STATES MARINE CORPS
Natural Resources and Environmental Affairs Division
Marine Corps Base
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO:

6241/1
NREAD
22 August 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental Branch
To: Director, Natural Resources and Environmental Affairs Division
Via: Supervisory Ecologist, Environmental Branch *D.D.S.*
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Elizabeth A. Betz
ELIZABETH A. BETZ

NREAD
27 Aug 1985

FIRST ENDORSEMENT

From: Director, Natural Resources and Environmental Affairs Division
To: Base Maintenance Officer

1. Readdressed and forwarded.
2. This analysis indicates that the oil contaminated soil removed from the Fire Training Area may be used as cover at the landfill.

JULIAN I. WOOTEN



Small handwritten mark or initials in the top right corner.

1982
1983

1984
1985

1986

Small handwritten mark or initials in the bottom right corner.

EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INCORPORATED
REPORT NO. 54 DATED 28 JUNE 1985

COMPILED BY ELIZABETH A. BETZ
22 AUGUST 1985

Please note the following:

- a. Navy sample ID #28J, 28K and 28L are a composite of soil. Samples were taken from the surface to two feet below from each of the five dump truck piles and mixed into three sample jars.

ENCLOSURE (1)



3

1940

1940

1940

1940

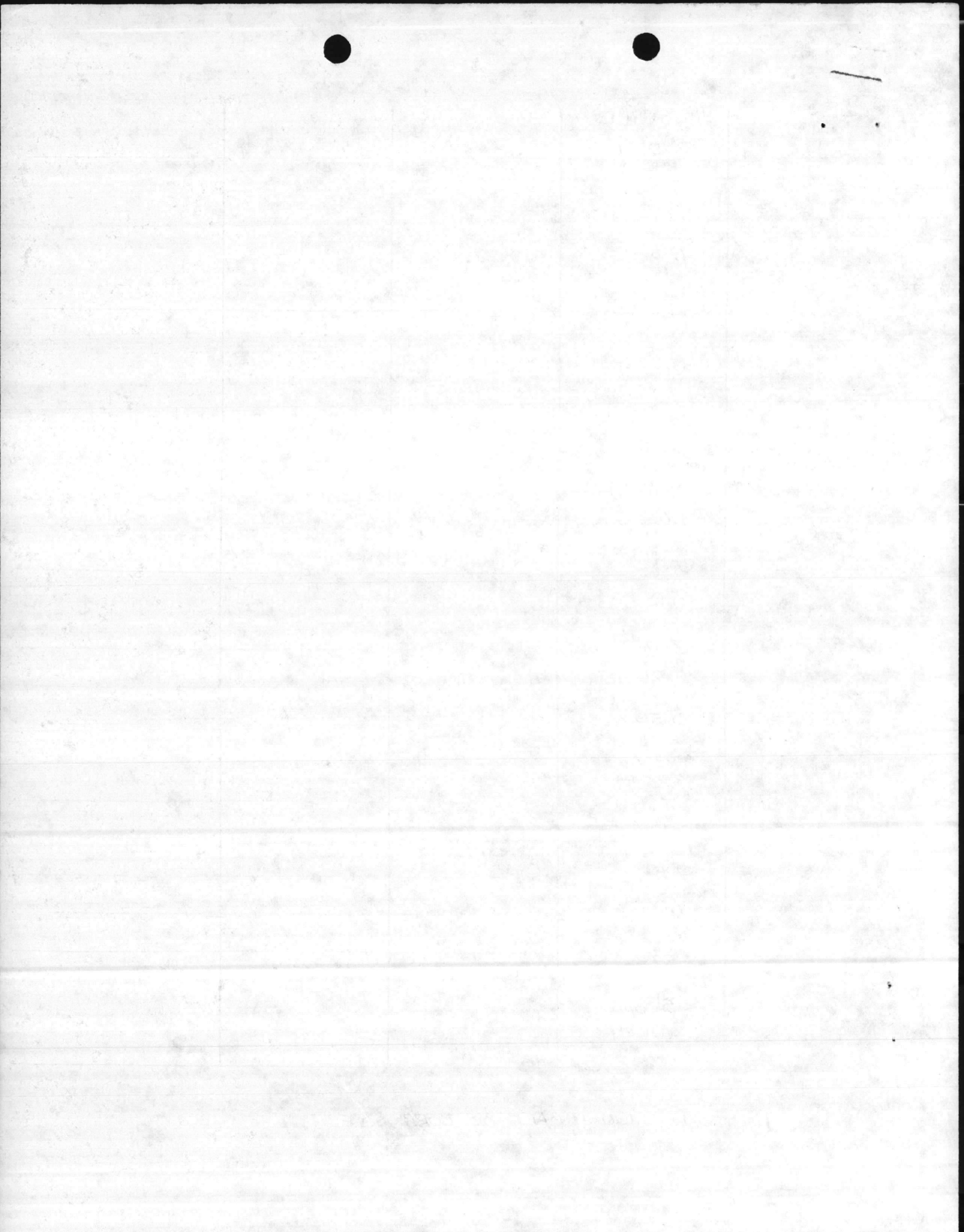
Date of sample receipt 3/28/52

Table 1

ANALYSIS PARAMETERS		UNIT	TEST METHOD	REMARKS
1
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49
50

CHARACTERISTIC	LANDFILL # 28 J-L			
CORROSIVITY pH	6.32			
IGNITABILITY FLASH POINT	>200 °F			
REACTIVITY CYANIDE (ppm) SULFIDE (ppm)	<0.10 ppm 1.0 ppm			
TOXICITY	PPM			
As (5 ppm)	2.3			
Ba (100 ppm)	<20			
Cd (1 ppm)	<0.50			
Ce (5 ppm)	2.3			
Pb (5 ppm)	4.5			
Hg (0.2 ppm)	<0.10			
Se (1.0 ppm)	<0.40			
Ag (5 ppm)	<1.0			
PCB	<5 ppb			

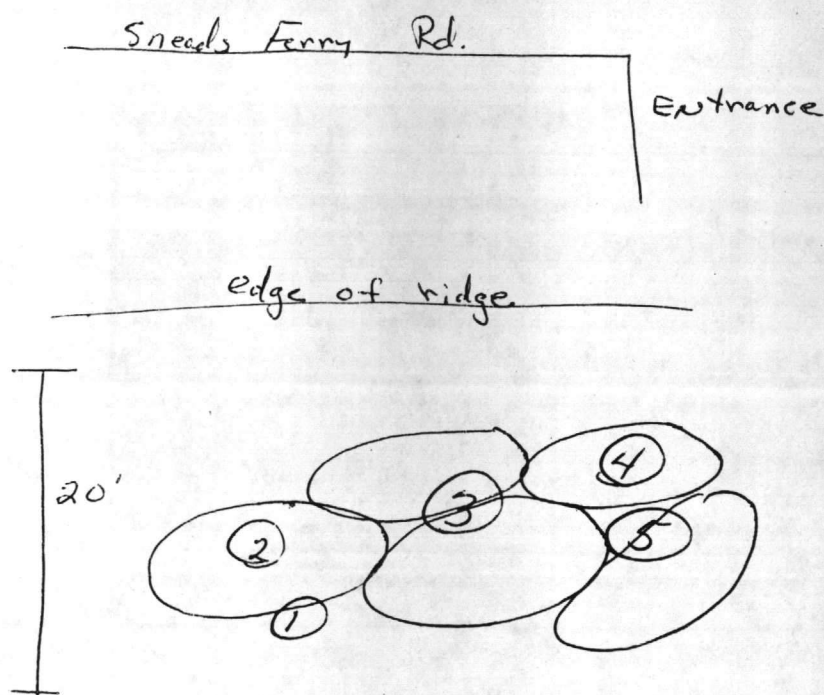
NOT TOXIC, IGNITABLE OR CORROSIVE



6241/4

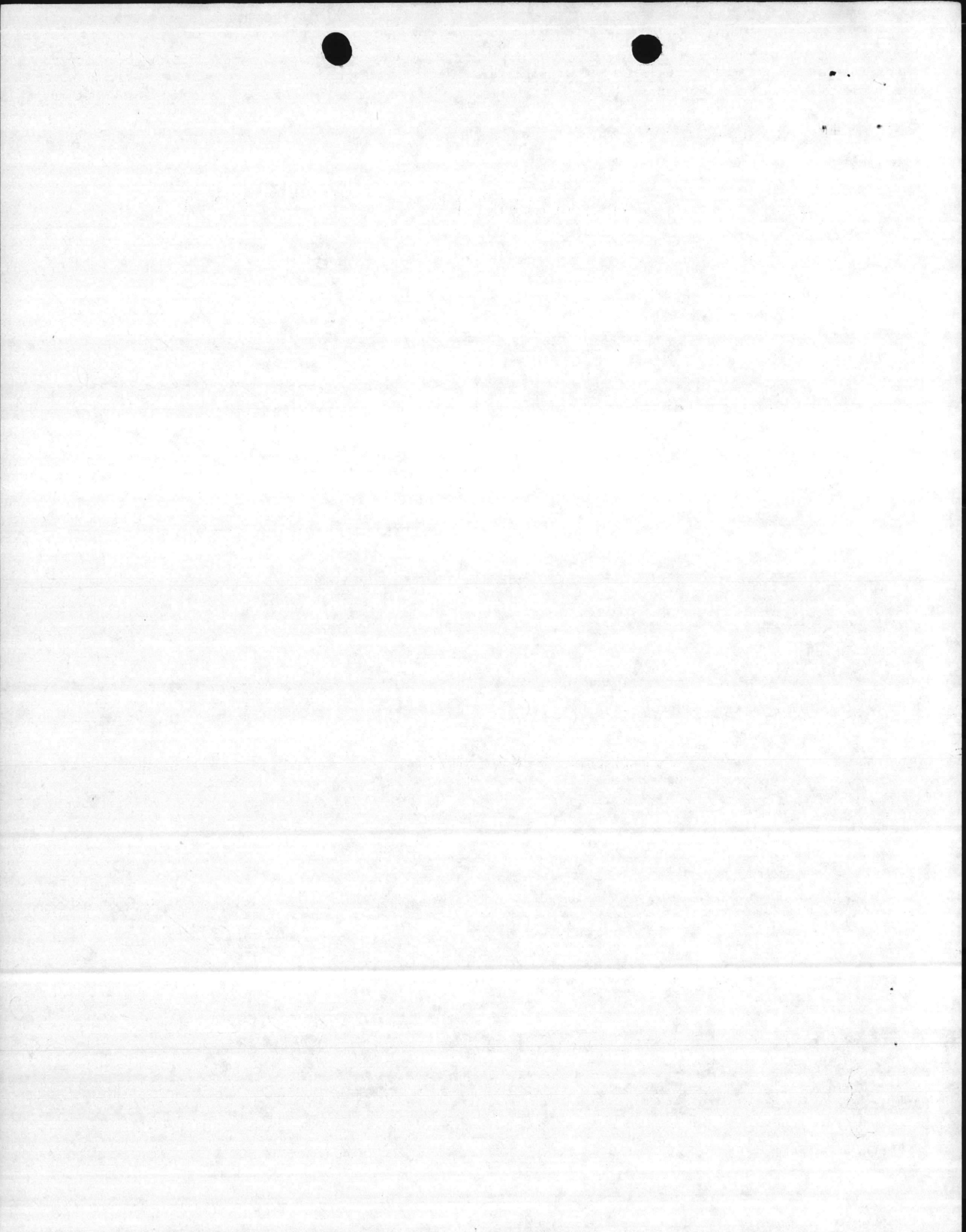
Memo to: Betty
From: Laina

ON 29 MAR 85 Tom, Marty, and myself sampled the dirt at the landfill that was from the fire training area. Below is the diagram of area and sample numbers:

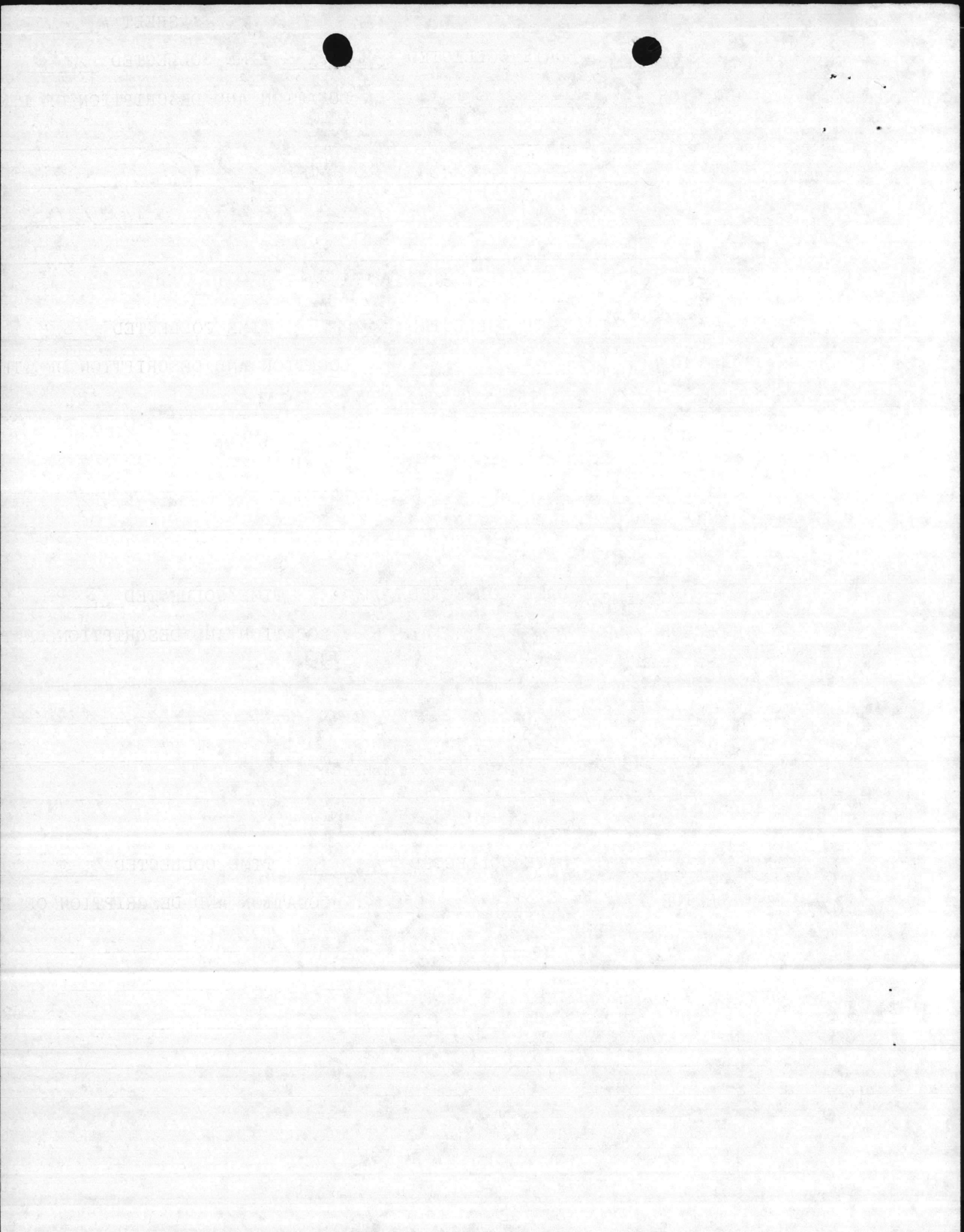


The soil was taken from surface to two feet below surface and composited into ~~three~~⁽³⁾ quart jars.

Sample numbers are # 28J, 28K, 28L.



SAMPLE # 27 DATE COLLECTED 3/1/85 TIME COLLECTED 1130NAME OF COLLECTOR H. B. LOCATION AND DESCRIPTION OF ITEMSAMPLED Bld 251COMMENTS: 55 gal drum of unknown Marked (H)
yellow fiberglass (?) drum. Clear solution in contents.
oily.SAMPLE # 27I DATE COLLECTED 3/28/85 TIME COLLECTED 1150NAME OF COLLECTOR H. B. LOCATION AND DESCRIPTION OF ITEMSAMPLED Bld 251COMMENTS 55 gal drum of unknown Marked I
yellow drum. Contents: clear solution, oily.SAMPLE # 28 J DATE COLLECTED 29 MAR 85 TIME COLLECTED 1300NAME OF COLLECTOR MARTY, HUNYCUIT, BARBER LOCATION AND DESCRIPTION OF ITEMSAMPLED Contaminated soil dumped at landfillCOMMENTS 5 piles from dump truck. Composite from ~~each~~ six samples
of six cores. Filled 3 quart jar.SAMPLE # 28 K DATE COLLECTED 29 MAR 85 TIME COLLECTED 1300NAME OF COLLECTOR Marty, Hunycutt, Barber LOCATION AND DESCRIPTION OF ITEMSAMPLED Contaminated soil dumped at landfillCOMMENTS Same as 28 J



SAMPLE # 28DATE COLLECTED 29 MAR 85TIME COLLECTED 1300NAME OF COLLECTOR Marty, Hayslett, Barber LOCATION AND DESCRIPTION OF ISAMPLED Contaminated soil from landfill.COMMENTS: Same as 28 J and 28 K.SAMPLE # 29DATE COLLECTED 29 MAR 85TIME COLLECTED 1400NAME OF COLLECTOR Hiett, Barber LOCATION AND DESCRIPTION OF ISAMPLED Bldg TP457 7-5 gal. containers (plastic) believed to be H₂SO₄COMMENTS Composite sample (1 quart) of the 7 containers.Marked all with "29" Clear liquid.SAMPLE # 30DATE COLLECTED 29 Mar 85TIME COLLECTED 1415NAME OF COLLECTOR Hiett, Barber LOCATION AND DESCRIPTION OF ISAMPLED Bldg TP457. 55 gal drum (rusty) Clear liquidCOMMENTS 1 quart sample. Drum marked #30SAMPLE # 31DATE COLLECTED 29 Mar 85TIME COLLECTED 1420NAME OF COLLECTOR Hiett, Barber LOCATION AND DESCRIPTION OF ISAMPLED Bldg TP457. same as #30.COMMENTS Drum marked # 31.

DATE COLLECTED

LOCATION AND DESCRIPTION

DATE COLLECTED

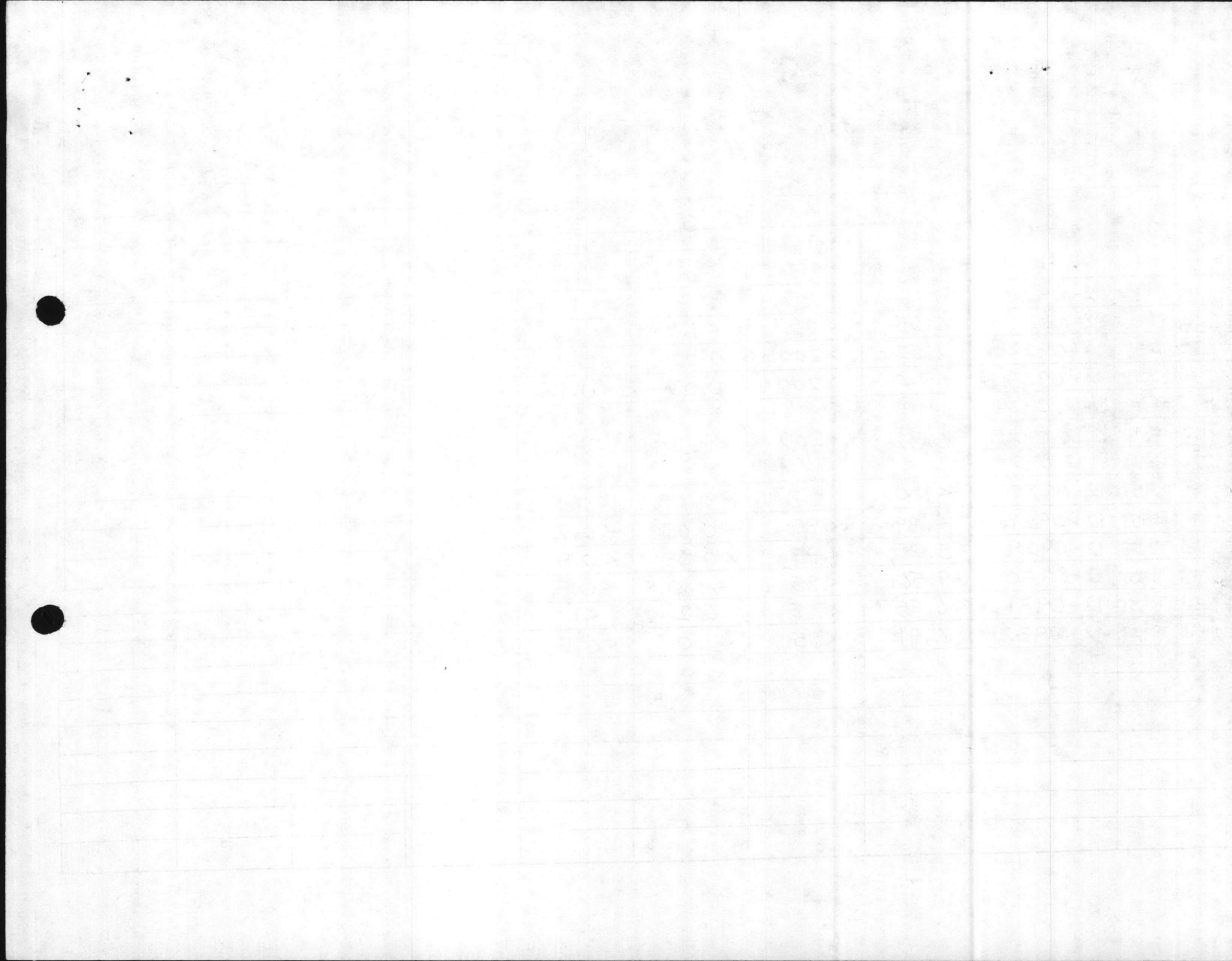
LOCATION AND DESCRIPTION

DATE COLLECTED

LOCATION AND DESCRIPTION

DATE COLLECTED

LOCATION AND DESCRIPTION



JTC Environmental Consultants, Inc.

Date 6-28-85 Report No. 54 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-254

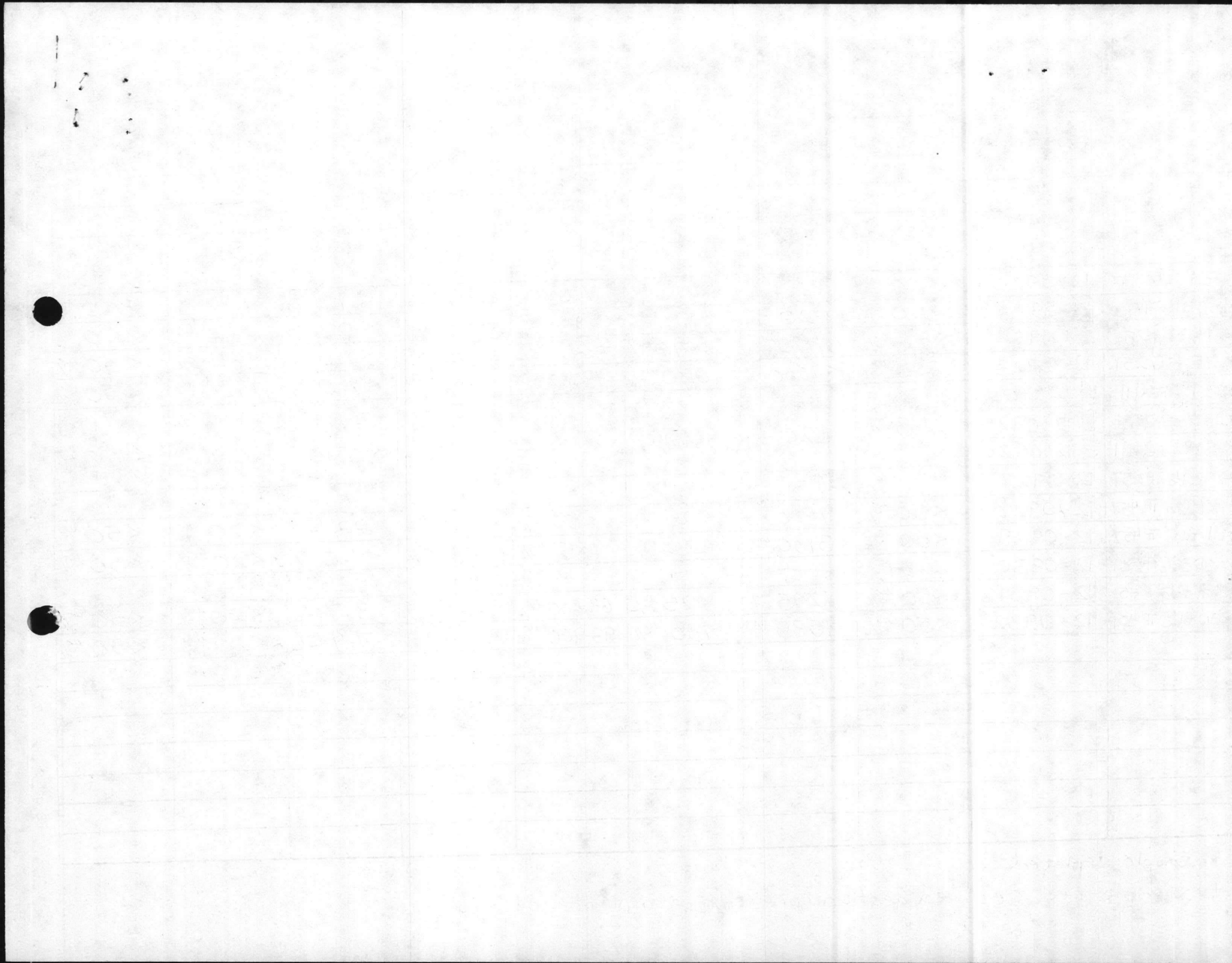
Table 5

Date of Sample Receipt 3/28/85 & 5/23/85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As	Ba	Cd	Cr	Pb	Hg	Se	Ag
#23A Bldg HP100	12-0920	<1.0 mg/kg	<20 mg/kg	22.6 mg/kg	1.6 mg/kg	148 mg/kg	0.18 mg/kg	1.5 mg/kg	<1.0 mg/kg
#23B Bldg HP100	12-0921	<1.0 mg/kg	<20 mg/kg	4.8 mg/kg	1.4 mg/kg	0.8 mg/kg	<0.10 mg/kg	2.2 mg/kg	<1.0 mg/kg
#27H Bldg 251	12-0922	<50 ug/L	1170 ug/L	2440 ug/L	65 ug/L	9850 ug/L	<1.0 ug/L	141 ug/L	<50 ug/L
#27I Bldg 251	12-0923	290 ug/L	<1000 ug/L	680 ug/L	13,100 ug/L	3,120 ug/L	<1.0 ug/L	1960 ug/L	<50 ug/L
#28J Landfill	12-0924	2.3 mg/kg	<20 mg/kg	<0.50 mg/kg	2.3 mg/kg	4.5 mg/kg	<0.10 mg/kg	<0.40 mg/kg	<1.0 mg/kg
#28K Landfill	12-0925								
#28L Landfill	12-0926								
#29 Bldg TP457	12-0927	*	*	*	*	*	*	*	*
#30 Bldg TP457	12-0928	<50 ug/L	7800 ug/L	<25 ug/L	<50 ug/L	62.5 ug/L	22 ug/L	<20 ug/L	<50 ug/L
#31 Bldg TP457	12-0929	<50 ug/L	3130 ug/L	<25 ug/L	185 ug/L	21 ug/L	<1.0 ug/L	<20 ug/L	<50 ug/L
#32O Bldg TP451	12-0930	+	+	+	+	+	1925	+	+
#32P Bldg TP451	12-0931	<50 ug/L	1295 ug/L	<25 ug/L	63,600 ug/L	6250 ug/L	3.7 ug/L	<20 ug/L	<50 ug/L
#32Q Bldg TP451	12-0932	<50 ug/L	1535 ug/L	130 ug/L	93,900 ug/L	40,200 ug/L	7.9 ug/L	<20 ug/L	<50 ug/L

* sample depleted

+ sample requires redigestion prior to completion of analysis



6241/1
NREAD
22 August 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental
Branch
To: Director, Natural Resources and Environmental Affairs Division
Via: Supervisory Ecologist, Environmental Branch
Subj: CONTAMINATED SOIL DEPOSITED AT LANDFILL; ANALYSIS OF
Encl: (1) Excerpts from JTC Environmental Consultants, Inc.
Report No. 54 dated 28 June 1985

1. The enclosure provides data on the oil contaminated soil re-
moved from the Fire Training Area and disposed of in the landfill.

ELIZABETH A. BETZ

Writer: E. Betz, NREAD, 5977
Typist: A. Blackstock, 22 August 1985



1982
1982

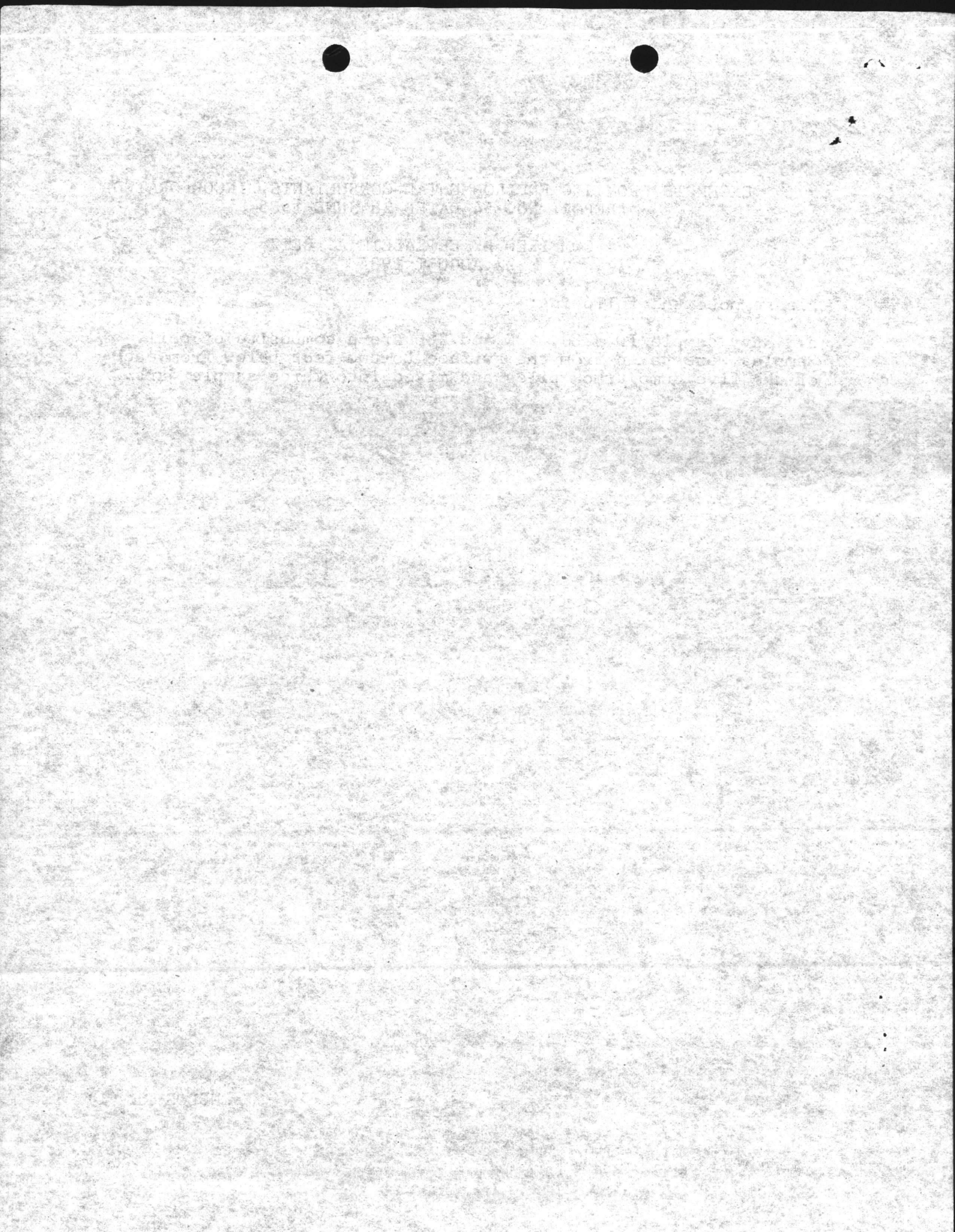
EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INCORPORATED
REPORT NO. 54 DATED 28 JUNE 1985

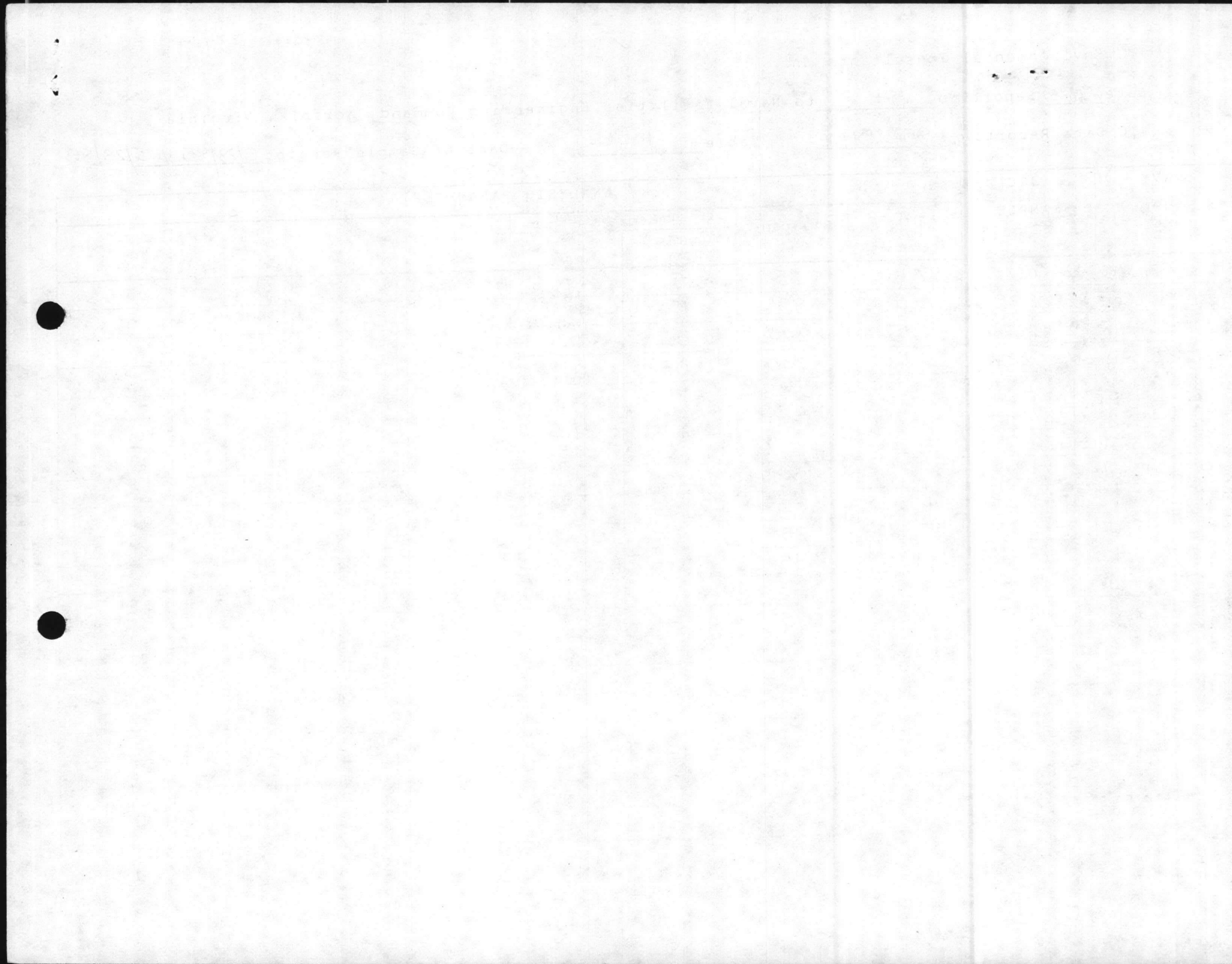
COMPILED BY ELIZABETH A. BETZ
22 AUGUST 1985

Please note the following:

- a. Navy sample ID #28J, 28K and 28L are a composite of soil. Samples were taken from the surface to two feet below from each of the five dump truck piles and mixed into three sample jars.

ENCLOSURE (1)





JTC Environmental Consultants, Inc.

Date 6-28-85 Report No. 54 to Naval Facilities Engineering Command, Norfolk, Virginia

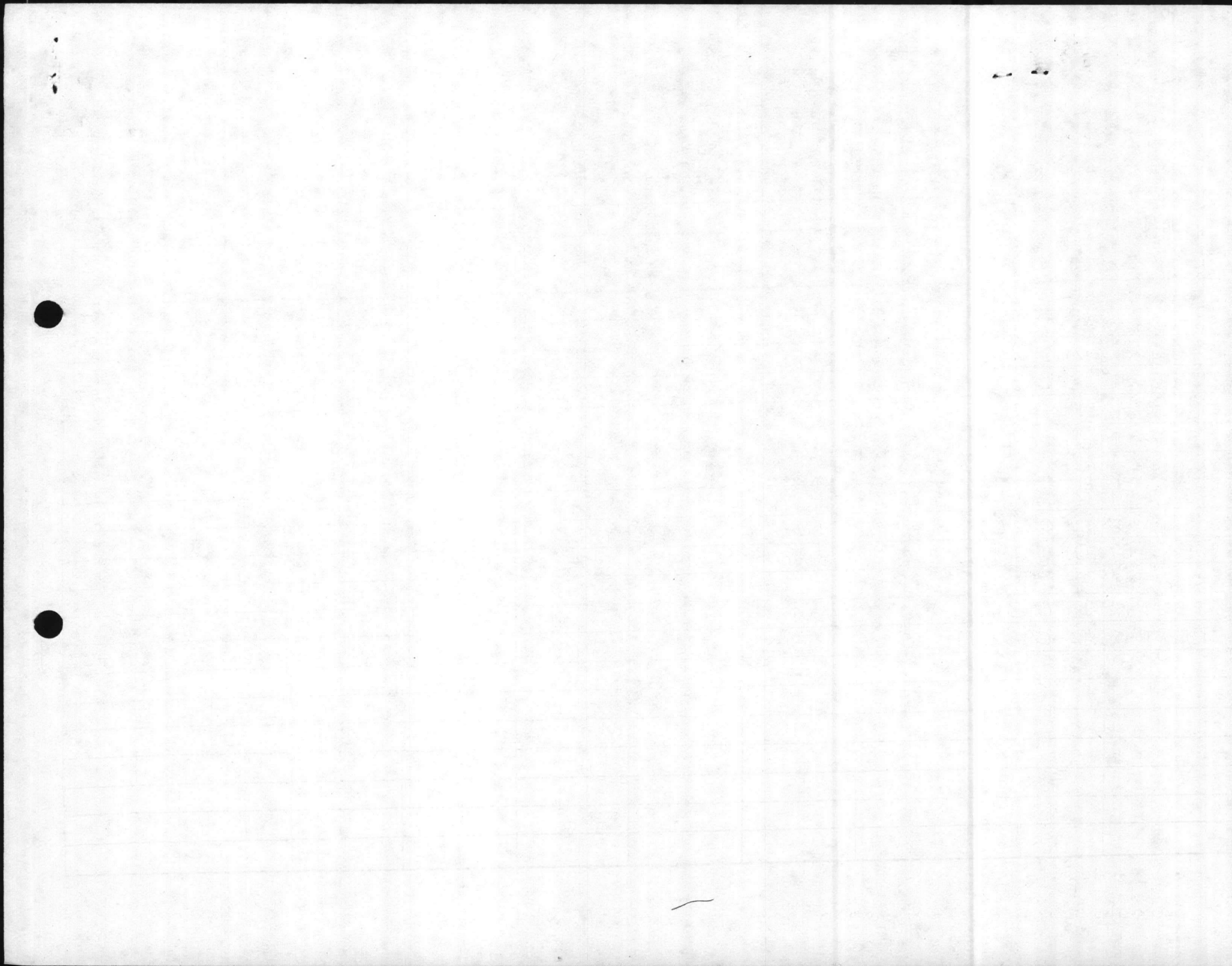
JTC Data Report No. 85-254

Table 5

Date of Sample Receipt 3/28/85 & 5/23/85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As	Ba	Cd	Cr	Pb	Hg	Se	Ag
#23A Bldg HP100	12-0920	<1.0 mg/kg	<20 mg/kg	22.6 mg/kg	1.6 mg/kg	148 mg/kg	0.18 mg/kg	1.5 mg/kg	<1.0 mg/kg
#23B Bldg HP100	12-0921	<1.0 mg/kg	<20 mg/kg	4.8 mg/kg	1.4 mg/kg	0.8 mg/kg	<0.10 mg/kg	2.2 mg/kg	<1.0 mg/kg
#27H Bldg 251	12-0922	<50 ug/L	1170 ug/L	2440 ug/L	65 ug/L	9850 ug/L	<1.0 ug/L	141 ug/L	<50 ug/L
#27I Bldg 251	12-0923	290 ug/L	<1000 ug/L	680 ug/L	13,100 ug/L	3,120 ug/L	<1.0 ug/L	1960 ug/L	<50 ug/L
#28J Landfill	12-0924	2.3 mg/kg	<20 mg/kg	<0.50 mg/kg	2.3 mg/kg	4.5 mg/kg	<0.10 mg/kg	<0.40 mg/kg	<1.0 mg/kg
#28K Landfill	12-0925								
#28L Landfill	12-0926								
#29 Bldg TP457	12-0927	*	*	*	*	*	*	*	*
#30 Bldg TP457	12-0928	<50 ug/L	7800 ug/L	<25 ug/L	<50 ug/L	62.5 ug/L	22 ug/L	<20 ug/L	<50 ug/L
#31 Bldg TP457	12-0929	<50 ug/L	3130 ug/L	<25 ug/L	185 ug/L	21 ug/L	<1.0 ug/L	<20 ug/L	<50 ug/L
#32O Bldg TP451	12-0930	+	+	+	+	+	1925	+	+
#32P Bldg TP451	12-0931	<50 ug/L	1295 ug/L	<25 ug/L	63,600 ug/L	6250 ug/L	3.7 ug/L	<20 ug/L	<50 ug/L
#32Q Bldg TP451	12-0932	<50 ug/L	1535 ug/L	130 ug/L	93,900 ug/L	40,200 ug/L	7.9 ug/L	<20 ug/L	<50 ug/L

* sample depleted
 + sample requires redigestion prior to completion of analysis



NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
Marine Corps Base
Camp Lejeune, North Carolina 28542

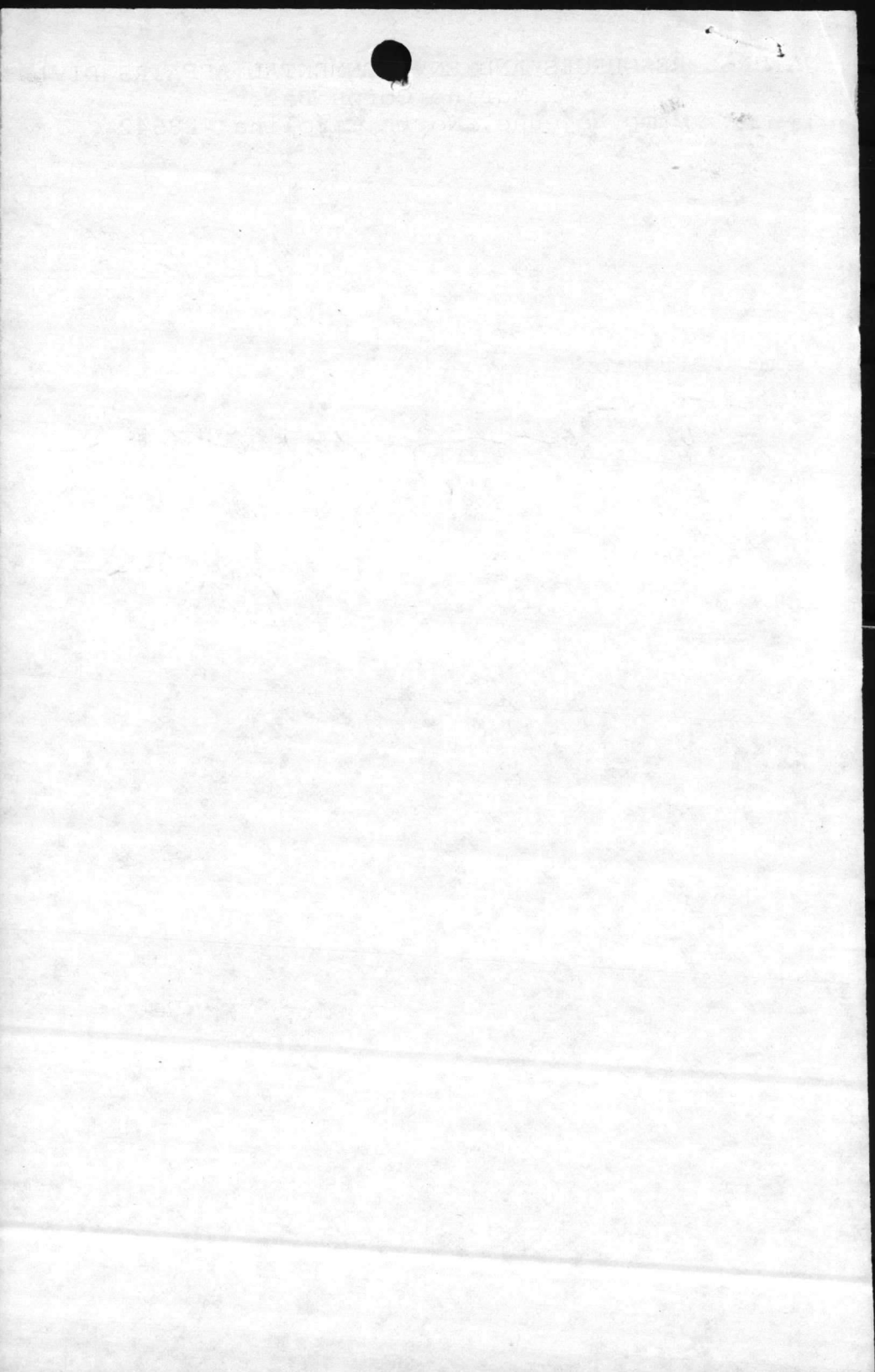
11 Sept 85
Date

From: Director

To:

To Danny for action

Jahon





UNITED STATES MARINE CORPS
2d Marine Division, Fleet Marine Force
Camp Lejeune, North Carolina 28542-5500

DDS

IN REPLY REFER TO
6240
G-4 ENGR
30 Aug 85

FIRST ENDORSEMENT on CG, MCB CLNC ltr 6240/2 NREAD of 28 Aug 85

From: Commanding General, 2d Marine Division, FMF
To: Commanding Officer, 2d Marine Regiment, 2d Marine Division,
FMF (Attn: S-4)

Subj: ANALYSIS OF TWO DRUMS OF HAZARDOUS MATERIAL AT HP-100

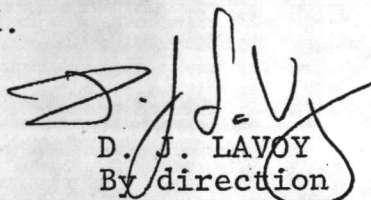
Ref: (c) Phonecon btwn Lt McNamer (2d Mar Regt S-4A) and
MGySgt Kaup (Div Engr Chf) on 29 Aug 85

1. Readdressed and forwarded for action as discussed during
reference (c).

2. Points of contact:

<u>UNIT</u>	<u>NAME</u>	<u>EXTENSION</u>
MCB, CLNC (NREAD)	Mr. Danny Sharpe	2083/1690
2d Mar Regt (S-4)	Lt McNamer	2222/3678
Division Engineers	MGySgt Kaup	2755/2302

3. Direct liaison authorized.


D. J. LAVOY
By direction

Copy to:

~~CG, MCB CLNC (NREAD)~~

HP-100
2-55 GAL DRUMS

200





UNITED STATES MARINE CORPS
 2d Marine Division, Fleet Marine Force
 Camp Lejeune, North Carolina 28542-5500

DDS

IN REPLY REFER TO
 6240
 G-4 ENGR
 30 Aug 85

FIRST ENDORSEMENT on CG, MCB CLNC ltr 6240/2 NREAD of 28 Aug 85

From: Commanding General, 2d Marine Division, FMF
 To: Commanding Officer, 2d Marine Regiment, 2d Marine Division,
 FMF (Attn: S-4)

Subj: ANALYSIS OF TWO DRUMS OF HAZARDOUS MATERIAL AT HP-100

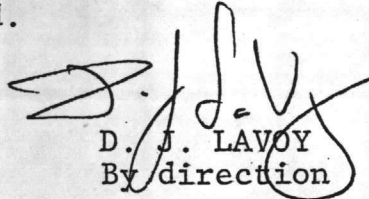
Ref: (c) Phonecon btwn Lt McNamer (2d Mar Regt S-4A) and
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MCB, CLNC (NREAD)	Mr. Danny Sharpe	2083/1690
2d Mar Regt (S-4)	Lt McNamer	2222/3678
Division Engineers	MGySgt Kaup	2755/2302

3. Direct liaison authorized.


 D. J. LAVOY
 By direction

Copy to:

→ CG, MCB CLNC (NREAD)

290



1



6240/2 T: 6241/1
NREAD
28 Aug 1985

From: Commanding General, Marine Corps Base, Camp Lejeune
To: Commanding General, 2d Marine Division (Attn: Division
Engineers), Camp Lejeune

Subj: ANALYSIS OF TWO DRUMS OF HAZARDOUS MATERIAL AT HP-100

Ref: (a) CO, 2d Marines' ltr 6240 MTO of 8 Jan 1985
(b) BO 6240.5

Encl: (1) Excerpts from JTC Environmental Consultants, Inc. Re-
port No. 54 dated 28 June 1985

1. The enclosure provides information requested by reference (a). The data contained in the enclosure indicates that the two barrels should be disposed of per reference (b) as an ignitable waste, using EPA Hazardous Waste Number D001. Turn-in documents and manifests should also indicate that the items are toxic due to cadmium, lead and selenium content. Point of contact in this matter is Mr. Danny Sharpe, extension 2083.

J. I. WOOTEN
By direction

Blind copy to:
→ SupvChem

Writer: D. D. Sharpe, NREAD 5003
Typist: J. Cross 28Aug85

1947

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

PLANT INDUSTRY REPORT NO. 100

PLANT INDUSTRY REPORT NO. 100

PLANT INDUSTRY REPORT NO. 100

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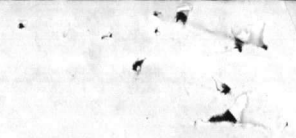
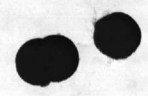
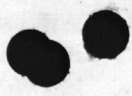
PLANT INDUSTRY REPORT NO. 100

EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INCORPORATED
REPORT NO. 54, DATED 28 JUNE 1985

COMPILED BY ELIZABETH A. BETZ
22 AUGUST 1985

Please note the following:

- a. Navy samples ID #23A and #23B are from the two 55-gallon drums located in the parking lot at HP-100. Each was labelled with the #29 when they were sampled.



JTC Environmental Consultants, Inc.

Date 6-28-85 Report No. 54 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-254

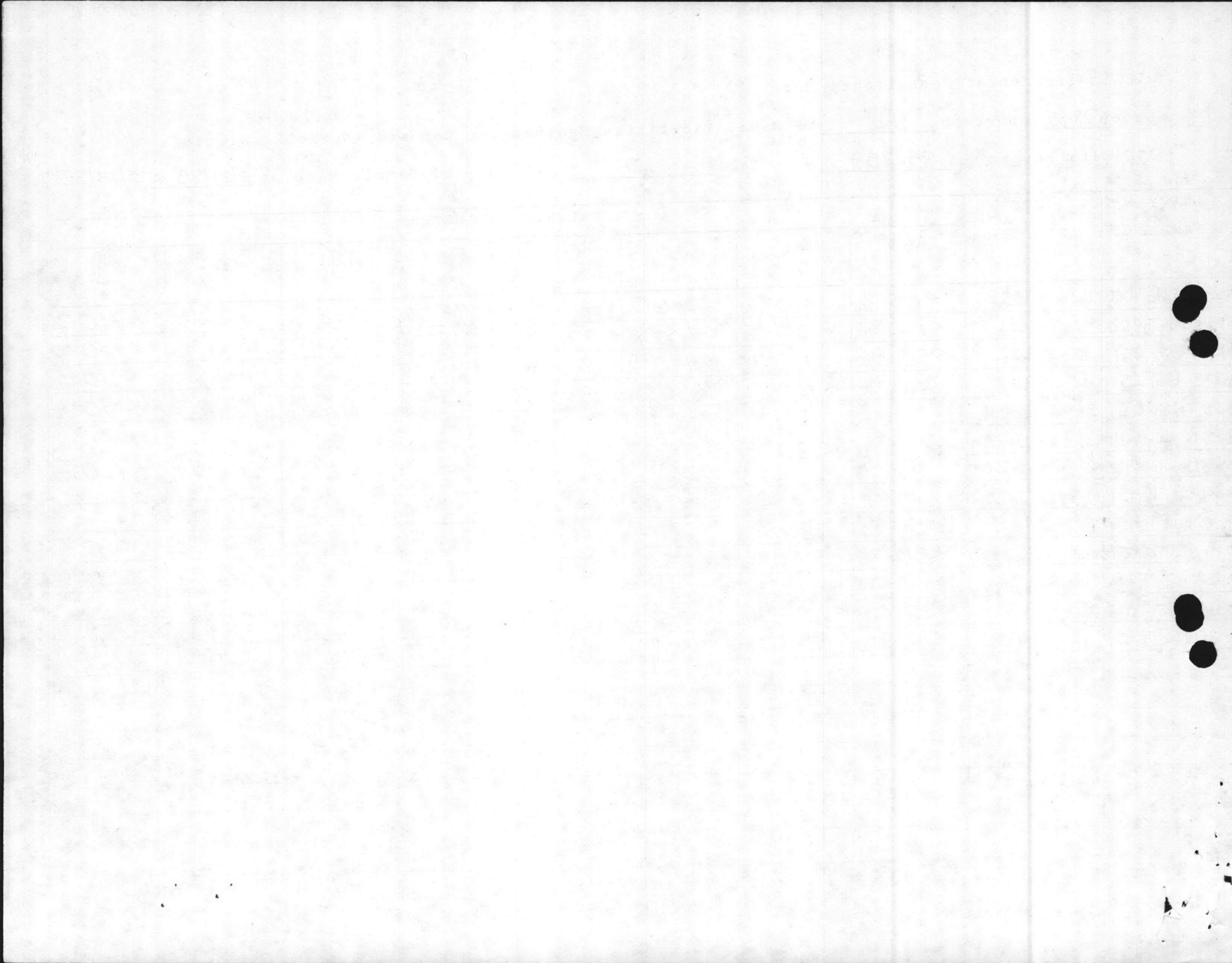
Table 5

Date of Sample Receipt 3/28/85 + 5/23/85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As	Ba	Cd	Cr	Pb	Hg	Se	Ag
#27 Bldg HP100	12-0920	<1.0 mg/kg	<20 mg/kg	22.6 mg/kg	1.6 mg/kg	148 mg/kg	0.18 mg/kg	1.5 mg/kg	<1.0 mg/kg
#28 Bldg HP100	12-0921	<1.0 mg/kg	<20 mg/kg	4.8 mg/kg	1.4 mg/kg	0.8 mg/kg	<0.10 mg/kg	2.2 mg/kg	<1.0 mg/kg
#27 Bldg 251	12-0922	<50 ug/L	1170 ug/L	2440 ug/L	65 ug/L	9850 ug/L	<1.0 ug/L	141 ug/L	<50 ug/L
#27I Bldg 251	12-0923	290 ug/L	<1000 mg/kg	680 ug/L	13,100 ug/L	3,120 ug/L	<1.0 ug/L	1960 ug/L	<50 ug/L
#28J Landfill	12-0924	2.3 mg/kg	<20 mg/kg	<0.50 mg/kg	2.3 mg/kg	4.5 mg/kg	<0.10 mg/kg	<0.40 mg/kg	<1.0 mg/kg
#28K Landfill	12-0925								
#28L Landfill	12-0926								
#29 Bldg TP457	12-0927	*	*	*	*	*	*	*	*
#30 Bldg TP457	12-0928	<50 ug/L	7800 ug/L	<25 ug/L	<50 ug/L	62.5 ug/L	22 ug/L	<20 ug/L	<50 ug/L
#31 Bldg TP457	12-0929	<50 ug/L	3130 ug/L	<25 ug/L	185 ug/L	21 ug/L	<1.0 ug/L	<20 ug/L	<50 ug/L
#320 Bldg TP451	12-0930	+	+	+	+	+	1925	+	+
#321 Bldg TP451	12-0931	<50 ug/L	1295 ug/L	<25 ug/L	63,600 ug/L	6250 ug/L	3.7 ug/L	<20 ug/L	<50 ug/L
#320 Bldg TP451	12-0932	<50 ug/L	1535 ug/L	130 ug/L	93,900 ug/L	40,200 ug/L	7.9 ug/L	<20 ug/L	<50 ug/L

* sample depleted

+ sample requires redigestion prior to completion of analysis



6241/1
NREAD
22 August 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental Branch

To: Director, Natural Resources and Environmental Affairs Division

→ Via: Supervisory Ecologist, Environmental Branch

Subj: ANALYSIS OF TWO DRUMS LOCATED AT HP-100

Ref: (a) CO, 2d Marines ltr 6240 over MTO of 8 Jan 1985

Encl: (1) Excerpts from JTC Environmental Consultants, Inc.
Report No. 54 dated 28 June 1985

1. The enclosure provides data on the two 55-gallon drums, sample #23A and 23B, stored at HP-100.

ELIZABETH A. BETZ

Writer: E. Betz, NREAD, 5977
Typist: A. Blackstock, 22 August 1985



[The following text is extremely faint and illegible due to the quality of the scan. It appears to be a multi-paragraph document with several lines of text per paragraph. The text is mirrored across the page, suggesting it may be bleed-through from the reverse side.]

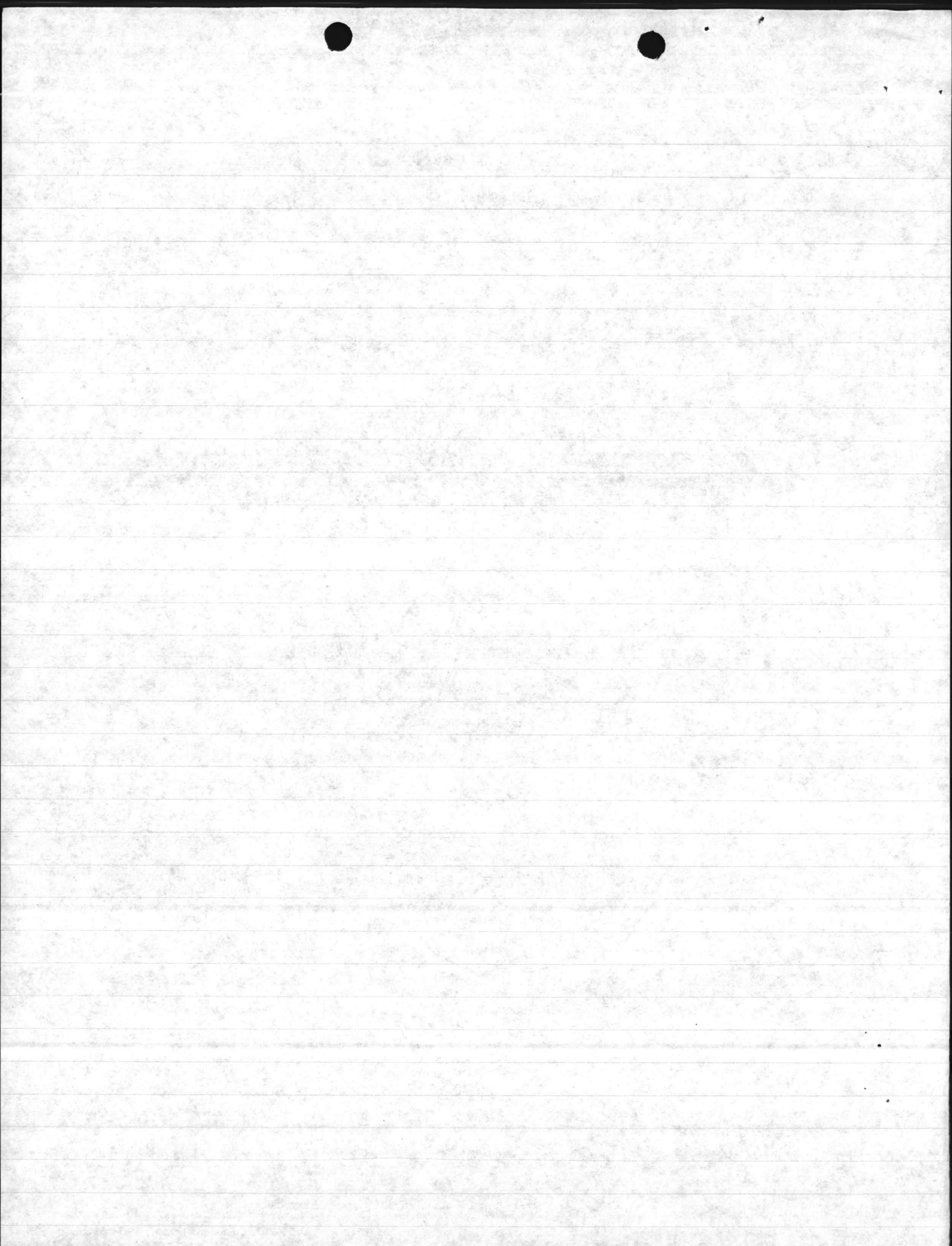
23 A Cd Pb Se TOXIC FOR CADMIUM, LEAD + Selenium FLAMMABLE } LABEL TRUCK FLAMMABLE
 23 B Cd Se TOXIC FOR CADMIUM + Selenium FLAMMABLE } DRUMS FLAM + TOXIC

27 H CORROSIVE
 27 I CORROSIVE

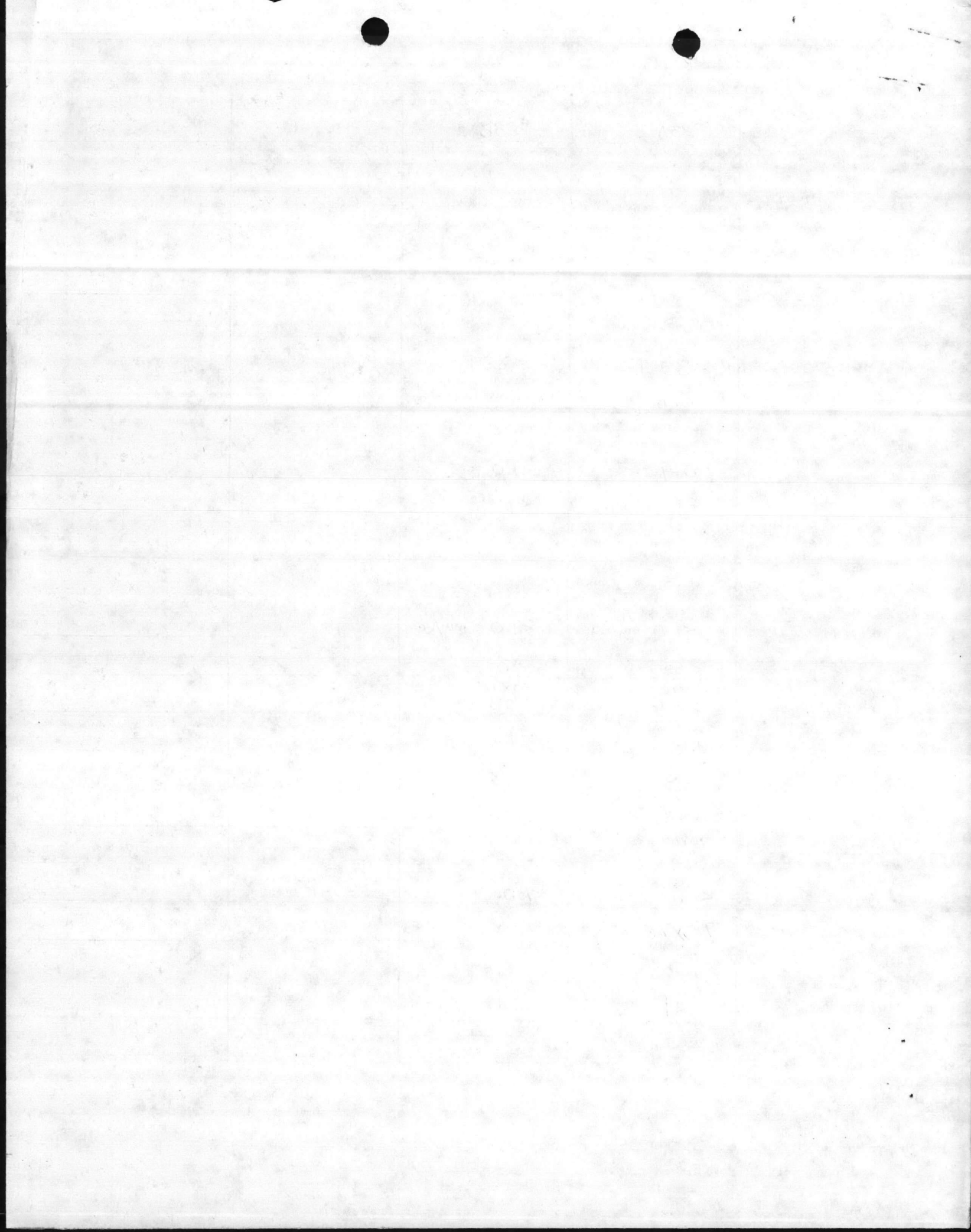
28 J }
 28 K } WITHIN limits of TOXICITY, IGNITABILITY, REACTIVITY + CORROSIVITY
 28 L }

29 CORROSIVE, COMBUSTIBLE
 30 CORROSIVE, FLAMMABLE
 31 CORROSIVE, FLAMMABLE
 32 O CORROSIVE, (BASIC) FLAMMABLE
 32 P FLAMMABLE pH 6.85
 32 Q FLAMMABLE pH 6.91

} LABEL TRUCK FLAMMABLE, DRUMS THAT ARE ALSO
 CORROSIVE LABEL w/ BOTH



CHARACTERISTIC	#23A	#23B		
CORROSIVITY				
PH	7.18	6.55		
IGNITABILITY				
FLASH POINT	<85°F FLAMMABLE	<85°F FLAMMABLE		
REACTIVITY				
CYANIDE (ppm)	0.9	<1.0		
SULFIDE (ppm)	<1	<1		
TOXICITY				
As (5 ppm)	<1.0 (ppm) mg/kg	<1.0 (ppm) mg/kg		
Ba (100 ppm)	<20	<20		
Cd (1 ppm)	TOXIC 22.6	TOXIC 4.8		
Cr (5 ppm)	1.6	1.4		
Pb (5 ppm)	TOXIC 148	0.8		
Hg (0.2 ppm)	0.18	<0.10		
Se (1.0 ppm)	TOXIC 1.5	TOXIC 2.2		
Ag (5 ppm)	<1.0	<1.0		
	TOXIC	TOXIC		
PCB	<1	<1		



ROUTING - REQUEST

Please

READ To Betsy

HANDLE Please do an onsite

APPROVE inspection by 18 JAN 85

and FORWARD and Take samples by

RETURN 25 JAN 85

KEEP OR DISCARD _____

REVIEW WITH ME _____

Date _____ From Danny

JAN 1985

PERS HSG

KW

ATTN: Danny

1. Attached is forwarded for info/action.

18 JAN 85

DANNY,

2. BOB MADE A VISIT @ 1030 TODAY.
IF I HAVE TO BE AT THE SAMPLING, IT WILL HAVE TO WAIT UNTIL PROBABLY THE WEEK OF 28

3. Sampled
3/26/85 H

O.K.
BETSY DDS
J.A. Fitzgerald
Ray

"LET'S THINK OF A FEW REASONS WHY IT CAN BE DONE"

Inside Sampled / Recm

3/26/85

ASSISTANT CHIEF OF STAFF, FACILITIES
HEADQUARTERS, MARINE CORPS BASE

DATE 11 JAN

TO:

- BASE MAINT O
- PUBLIC WORKS O
- COMM-FLECT O
- DIR. NAT. RESOURCES & ENV. AFFAIRS
- BASE FIRE CHIEF
- DIR. UNACCOMPANIED
- DIR. FAMILY HOUSING

Please initial, or comment, and return all papers to this office.

Your file copy.

J. H. Fitzgerald

LET'S THINK OF A FEW REASONS

WHY IT CAN BE DONE

John Simpson / [unclear]

ROUTING - REQUEST

Please

- READ To Betsy.
- HANDLE Please do an onsite
- APPROVE inspection by 18 JAN 85
- and
- FORWARD and Take samples by
- RETURN 25 JAN 85
- KEEP OR DISCARD _____
- REVIEW WITH ME _____

JAN 1985

Date _____ From Danny

ATTN: Danny

1. Attached is forwarded for info/action.

18 JAN 85

DANNY,

2. BOB MADE A ~~HS~~ VISIT @ 1030 TODAY.
IF I HAVE TO BE AT THE SAMPLING. IT WILL
HAVE TO WAIT UNTIL PROBABLY THE WEEK OF 28

JAN 1985.

3. Sampled
3/26/85 H

O.K.
BETSY DDS
J. A. F. Gould
Ray

"LET'S THINK OF A FEW REASONS WHY IT CAN BE DONE"

Individual Samples / Drum
(2)

ASSISTANT CHIEF OF STAFF, FACILITIES
HEADQUARTERS, MARINE CORPS BASE

DATE 11 JAN 58

TO:

BASE MAINT O

PUBLIC WORKS O

COMM-ELECT O

DIR. NAT. RESOURCES & ENV. AFFAIRS

DIR. FAMILY HOUSING

DIR. UNACCOMPANIED

BASE FIRE CHIEF

Please initial or comment, and return all papers to this office.

Your file copy.

J. H. Fitzgerald

ROUTING - REQUEST

Please

READ To Betsy

HANDLE Please do an onsite

APPROVE inspection by 18 JAN 85

and

FORWARD and take samples by

RETURN 25 JAN 85

KEEP OR DISCARD _____

REVIEW WITH ME _____

Date _____

From Danny

N 1985

PERS HSG

ATTN: Danny

1. Attached is forwarded for info/action.

2. Please initial, or comment, and return all papers to this office.

3. Your file copy.

J. M. Fitzgerald
By dir

"LET'S THINK OF A FEW REASONS
WHY IT CAN BE DONE"

Individual Samples / Drum
(2)

LABORATORY OF THE U.S. DEPARTMENT OF JUSTICE
WASHINGTON, D.C. 20535

SEARCHED INDEXED
SERIALIZED FILED

J. A. Fitzgerald
Director

LABORATORY OF THE U.S. DEPARTMENT OF JUSTICE

Adw. 85
1-15

ASSISTANT CHIEF OF STAFF, FACILITIES
HEADQUARTERS, MARINE CORPS BASE

DATE 11 JAN 1985

TO:

BASE MAINT O

DIR, FAMILY HOUSING

PUBLIC WORKS O

DIR, UNACCOMPANIED PERS HSG

COMM-ELECT O

BASE FIRE CHIEF

DIR., NAT. RESOURCES & ENV. AFFAIRS

Adw

ATTN: *Danny*

1. Attached is forwarded for info/action.
2. Please initial, or comment, and return all papers to this office.
3. Your file copy.

J. M. Fitzgerald
By dir

"LET'S THINK OF A FEW REASONS
WHY IT CAN BE DONE"

Individual Samples / Quon
(2)

UNITED STATES DEPARTMENT OF JUSTICE

J. P. Fitzgerald
Attorney at Law
New York, N. Y.



UNITED STATES MARINE CORPS
2d Marine Division, Fleet Marine Force
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO:
6240
G-4 ENGR
9 Jan 85

FIRST ENDORSEMENT on CO 2d Mar ltr 6240 over MTO dtd 8 Jan 1985

From: Commanding General, 2d Marine Division, FMF
To: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina
28542 (Attn: AC/S Facilities)

Subj: REQUEST FOR SAMPLING AND ANALYSIS OF HAZARDOUS MATERIALS/WASTE

1. Forwarded recommending approval.

M. L. Ogilvie
M. L. OGILVIE
By direction

Copy to:
AC/S, G-4
CO, 2d Mar (S-4)
2d Mar (MTO)
file

0100
0101
0102

THE UNIVERSITY OF CHICAGO LIBRARY

1000
1001
1002

THE UNIVERSITY OF CHICAGO LIBRARY

THE UNIVERSITY OF CHICAGO LIBRARY

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6240
G-4 ENGR
9 Jan 85

FIRST ENDORSEMENT on CO 2d Mar ltr 6240 over MTO dtd 8 Jan 1985

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To: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina
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1. Forwarded recommending approval.

M. L. OGILVIE
By direction

Copy to:
AC/S, G-4
CO, 2d Mar (S-4)
2d Mar (MTO)
file

1947

THE UNITED STATES DEPARTMENT OF AGRICULTURE

OFFICE OF THE ASSISTANT SECRETARY FOR CROP ESTIMATION AND REPORTS

WASHINGTON, D. C.

REPORT OF THE ASSISTANT SECRETARY FOR CROP ESTIMATION AND REPORTS

TO THE

COMMISSIONERS OF THE GENERAL LAND OFFICE

WASHINGTON, D. C.

1947

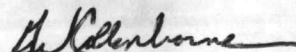
UNITED STATES MARINE CORPS
2d Marines, 2d Marine Division, FMF
Camp Lejeune, North Carolina 28542

6240
MTO
8 Jan 1985

From: Commanding Officer
To: Commanding General, Marine Corps Base, Camp Lejeune, North
Carolina 28542 (Attn: AC/S Facilities)
Via: Commanding General, 2d Marine Division, FMF, Camp Lejeune,
North Carolina 28542 (Attn: AC/S G-4/HMDC)
Subj: REQUEST FOR SAMPLING AND ANALYSIS OF HAZARDOUS MATERIALS/
WASTE
Ref: (a) CG MCB ltr 6240 over NREAD dtd 10 Sep 1984

1. In accordance with the reference, it is requested that an analysis be made of the contents of two (2) 55 gal drums of an unknown mixture of materials. These drums could contain some MOGAS, paint thinner, Xylene NSN 6810-00-598-6600, mineral spirits NSN 6850-00-264-9038, and lubricating oil. The drums are located in the parking lot of HP 100.

2. Point of contact for this unit is Capt M. T. HOSCHEID ext. 3404/3460.


G. W. COLLENBORNE
By direction

UNITED STATES MARINE CORPS
2d Marines, 2d Marine Division, FMF
Camp Lejeune, North Carolina 28542

6240
MTO
8 Jan 1985

From: Commanding Officer
To: Commanding General, Marine Corps Base, Camp Lejeune, North
Carolina 28542 (Attn: AC/S Facilities)
Via: Commanding General, 2d Marine Division, FMF, Camp Lejeune,
North Carolina 28542 (Attn: AC/S G-4/HMDC)
Subj: REQUEST FOR SAMPLING AND ANALYSIS OF HAZARDOUS MATERIALS/
WASTE

Ref: (a) CG MCB ltr 6240 over NREAD dtd 10 Sep 1984

1. In accordance with the reference, it is requested that an analysis be made of the contents of two (2) 55 gal drums of an unknown mixture of materials. These drums could contain some MOGAS, paint thinner, Xylene NSN 6810-00-598-6600, mineral spirits NSN 6850-00-264-9038, and lubricating oil. The drums are located in the parking lot of HP 100.

2. Point of contact for this unit is Capt M. T. HOSCHEID ext. 3404/3460.

G. W. COLLENBORNE
By direction

UNITED STATES MARINE CORPS
2d Marine Division, FMF
Camp Lejeune, North Carolina 28542

6240
MID
8 Jan 1987

From: Commanding Officer
To: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina 28542 (Attn: AC'S Facility)
From: Commanding General, 2d Marine Division, FMF, Camp Lejeune, North Carolina 28542 (Attn: AC'S B-41HDD)

Subject: REQUEST FOR SAMPLING AND ANALYSIS OF HAZARDOUS MATERIALS WASTE

Reference: CE MCE 11 6240 over IRBAD dtd 10 Sep 1984

In accordance with the reference, it is requested that you send a representative to the site to inspect and sample two (2) 55 gal drums of an unknown mixture of waste materials. These drums could contain some hazardous waste materials. Xylene (NSN 6810-00-908-8600 mineral spirits) (NSN 6850-00-250-9088), and lubricating oil. The drums are located in the parking lot of HP 1004.

Point of contact for this unit is Capt M. T. HOSCHELD, 3404340.

C. W. COLLEBORN
2x Director

MOTOR BOOZ

ZND DECK

HQ Co. OFFICE

HP 100

FIRE STATION

10:30

5159

23.15.

247.5

Bo INSPECTED 1/18/85

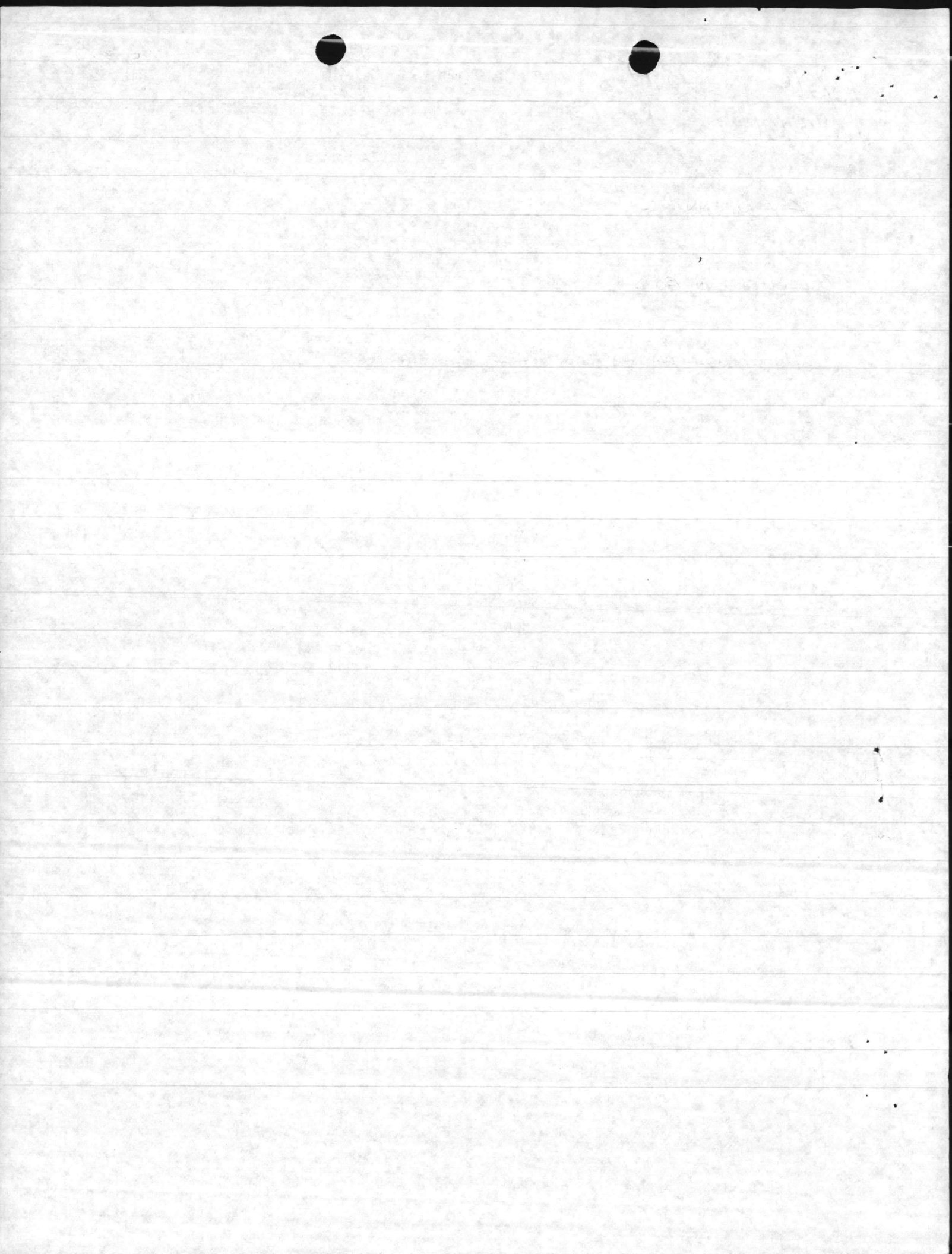
@ 1030

1 full
1 4/5 full →

2" OPENING

BARRELS IN GOOD.

HAZARDOUS WASTE PAINTING^{ED} ON THEM



1. SAMPLE # 23-A DATE COLLECTED 3/26/85 TIME COLLECTED 1208NAME OF COLLECTOR H: B LOCATION AND DESCRIPTION OF ITEMSAMPLED HP-100

COMMENTS:

55 gal drum of unknown
 Drum marked (A) Light Brown (Light)
 Capt. promised to secure w/ pallet + band.
 3/27/85 both drums were secured this AM.

2. SAMPLE # 23-B DATE COLLECTED 3/26/85 TIME COLLECTED 1212NAME OF COLLECTOR H: B LOCATION AND DESCRIPTION OF ITEMSAMPLED HP-100

COMMENTS

55 gal drum of unknown
 Drum marked (B) Light Brown (Light)
 Capt. promised to secure w/ pallet + band

3. SAMPLE # 24-A DATE COLLECTED 3/27/85 TIME COLLECTED 0845NAME OF COLLECTOR H: B LOCATION AND DESCRIPTION OF ITEMSAMPLED Old Hospital Steam Plant underground (H-20)

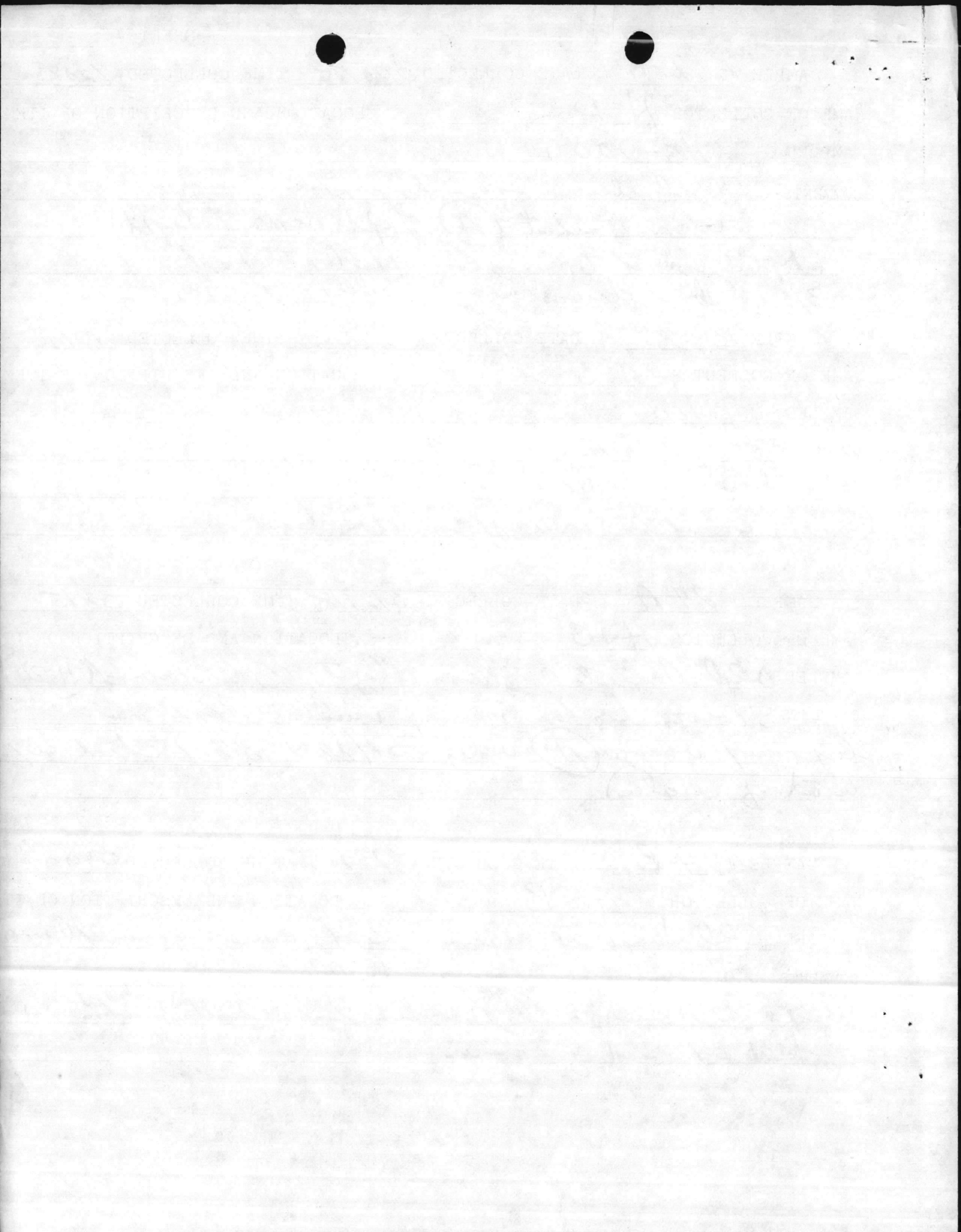
COMMENTS

Storage tank facing building tank on
 left w/ orange (A) under lid/Dark Black thick w/
 alot of water

4. SAMPLE # 24-B DATE COLLECTED 3/27-85 TIME COLLECTED 0900NAME OF COLLECTOR H: B LOCATION AND DESCRIPTION OF ITEMSAMPLED Old Hospital Steam Plant underground (H-20)

COMMENTS

Storage tank facing building tank on
 left w/ orange (B) under lid. Dark Black
 thick w/ alot of water



6241/1
NREAD
22 August 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental
Branch
To: Director, Natural Resources and Environmental Affairs
Division
Via: Supervisory Ecologist, Environmental Branch
Subj: ANALYSIS OF TWO DRUMS LOCATED AT HP-100
Ref: (a) CO, 2d Marines ltr 6240 over MTO of 8 Jan 1985
Encl: (1) Excerpts from JTC Environmental Consultants, Inc.
Report No. 54 dated 28 June 1985

1. The enclosure provides data on the two 55-gallon drums, sample
#23A and 23B, stored at HP-100.

ELIAZABETH A. BETZ

Writer: E. Betz, NREAD, 5977
Typist: A. Blackstock, 22 August 1985



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CONFIDENTIAL

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If you have any questions regarding this document, please contact your agent or the appropriate department.

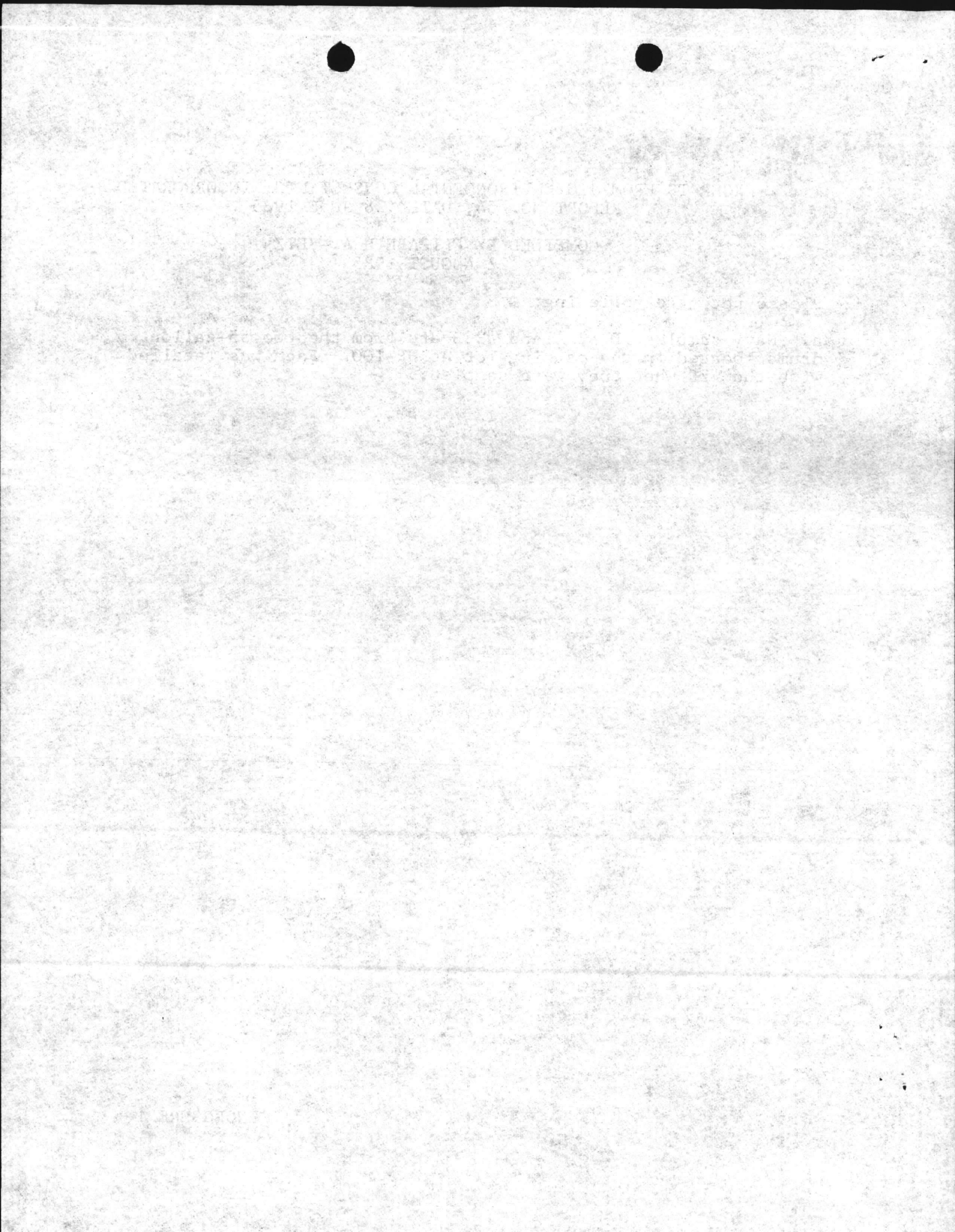
EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INCORPORATED
REPORT NO. 54, DATED 28 JUNE 1985

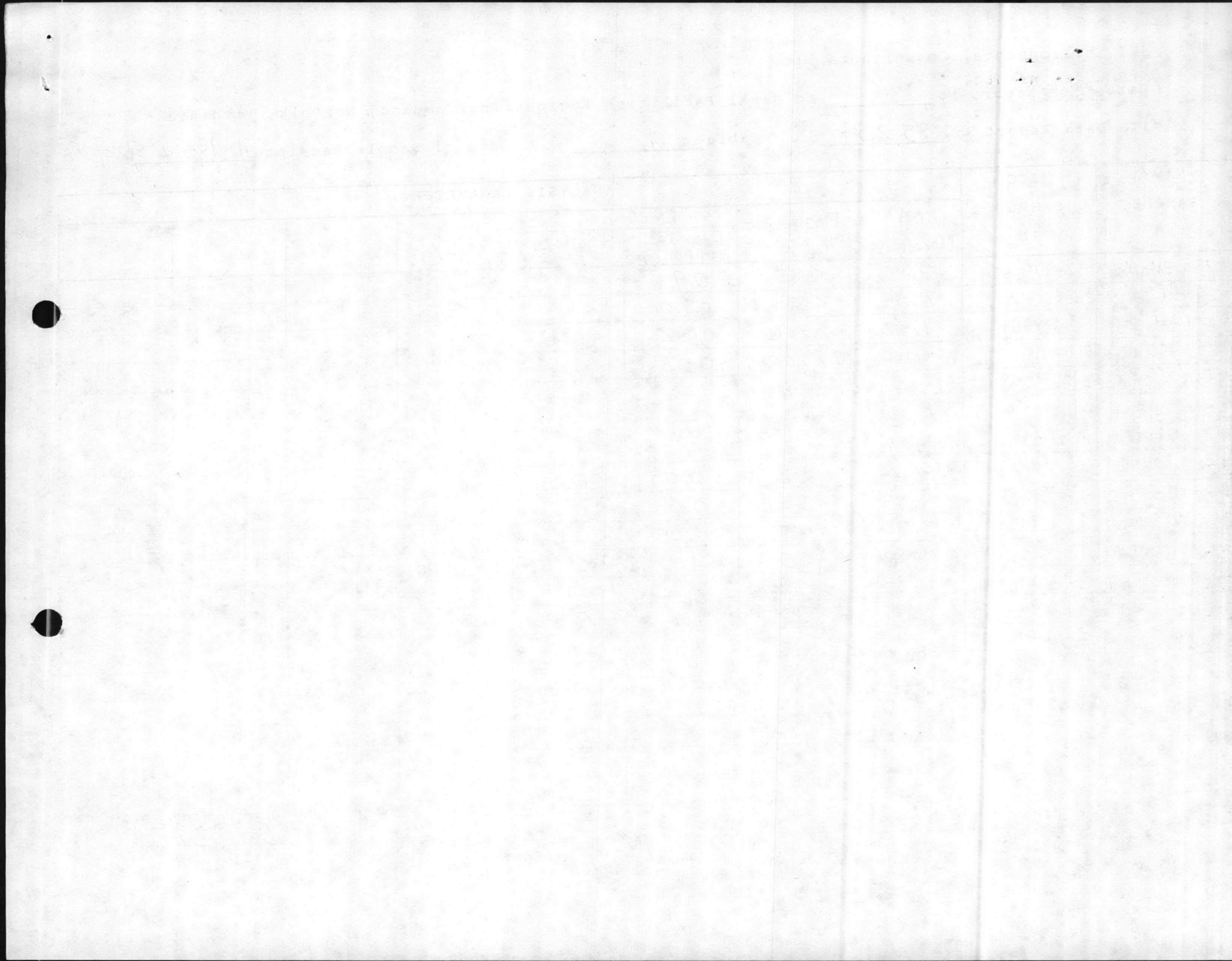
COMPILED BY ELIZABETH A. BETZ
22 AUGUST 1985

Please note the following:

- a. Navy samples ID #23A and #23B are from the two 55-gallon drums located in the parking lot at HP-100. Each was labelled with the #29 when they were sampled.

ENCLOSURE 1





JTC Environmental Consultants, Inc.

Date 6-28-85 Report No. 54 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-254

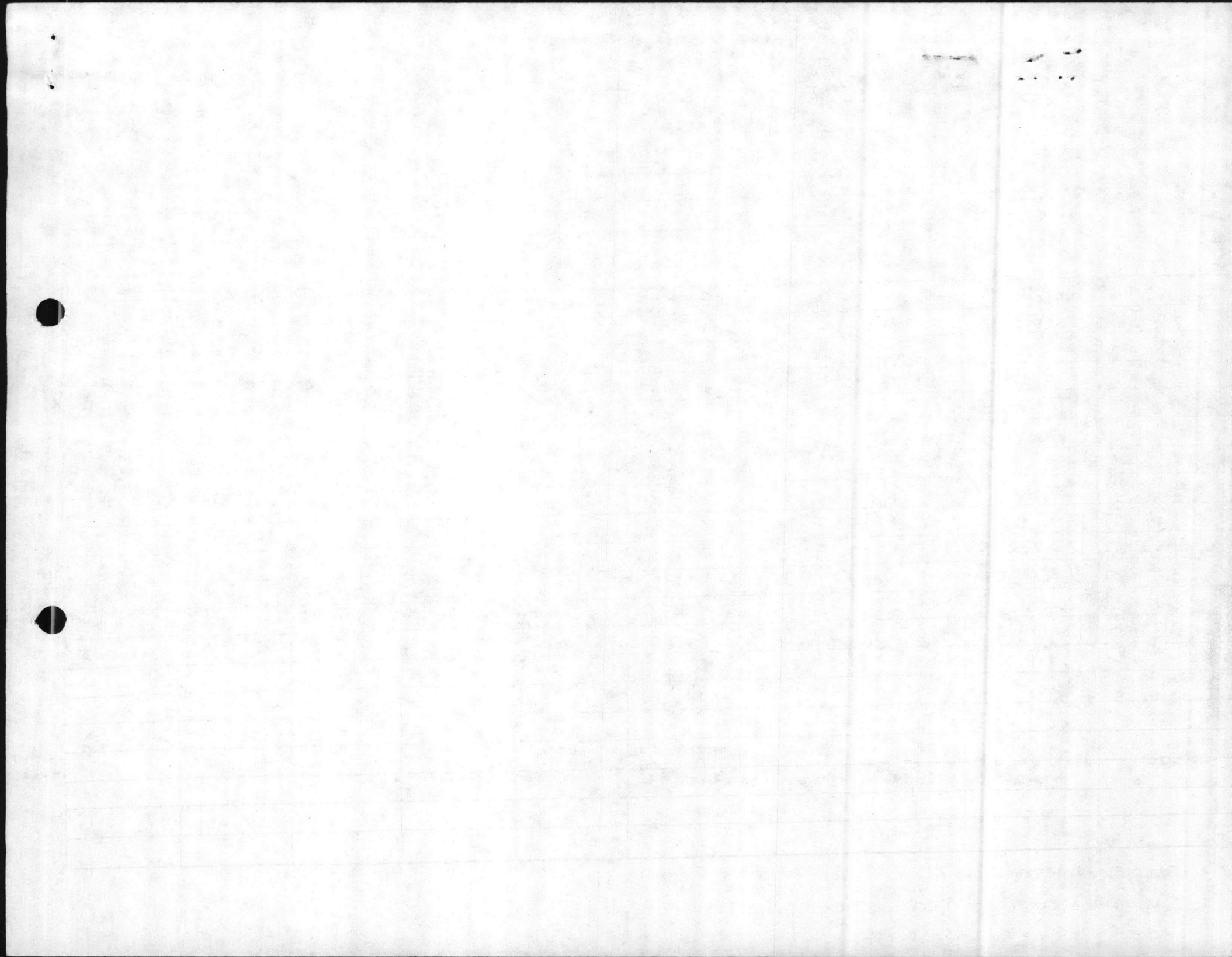
Table 5

Date of Sample Receipt 3/28/85 & 5/23/85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As	Ba	Cd	Cu	Pb	Hg	Se	Ag
#23A Bldg HP100	12-0920	<1.0 mg/kg	<20 mg/kg	22.6 mg/kg	1.6 mg/kg	148 mg/kg	0.18 mg/kg	1.5 mg/kg	<1.0 mg/kg
#23B Bldg HP100	12-0921	<1.0 mg/kg	<20 mg/kg	4.8 mg/kg	1.4 mg/kg	0.8 mg/kg	<0.10 mg/kg	2.2 mg/kg	<1.0 mg/kg
#27H Bldg 251	12-0922	<50 ug/L	1170 ug/L	2440 ug/L	65 ug/L	9850 ug/L	<1.0 ug/L	141 ug/L	<50 ug/L
#27I Bldg 251	12-0923	290 ug/L	<1000 ug/L	680 ug/L	13,100 ug/L	3,120 ug/L	<1.0 ug/L	1960 ug/L	<50 ug/L
#28J Landfill	12-0924	2.3 mg/kg	<20 mg/kg	<0.50 mg/kg	2.3 mg/kg	4.5 mg/kg	<0.10 mg/kg	<0.40 mg/kg	<1.0 mg/kg
#28K Landfill									
#28L Landfill									
#29 Bldg TP457	12-0927	*	*	*	*	*	*	*	*
#30 Bldg TP457	12-0928	<50 ug/L	7800 ug/L	<25 ug/L	<50 ug/L	62.5 ug/L	22 ug/L	<20 ug/L	<50 ug/L
#31 Bldg TP457	12-0929	<50 ug/L	3130 ug/L	<25 ug/L	185 ug/L	21 ug/L	<1.0 ug/L	<20 ug/L	<50 ug/L
#320 Bldg TP451	12-0930	+	+	+	+	+	1925	+	+
#32P Bldg TP451	12-0931	<50 ug/L	1295 ug/L	<25 ug/L	63,600 ug/L	6250 ug/L	3.7 ug/L	<20 ug/L	<50 ug/L
#32Q Bldg TP451	12-0932	<50 ug/L	1535 ug/L	130 ug/L	93,900 ug/L	40,200 ug/L	7.9 ug/L	<20 ug/L	<50 ug/L

* sample depleted

+ sample requires redigestion prior to completion of analysis



9 Aug 85

6240/2
NREAD

9 Aug 85

From: Commanding General, Marine Corps Base, Camp Lejeune
To: Commanding General, 2d Force Service Support Group,
Camp Lejeune

Subj: TESTING OF UNKNOWN CHEMICALS AT TP-457

Ref: (a) OIC, SASSY Management Unit ltr 11000 SMU/JJH/sb of
11 Feb 1985
(b) BO 6240.5

Encl: (1) Excerpts from JTC Environmental Consultants, Inc.
Report No. 54 dated 28 June 1985

1. The enclosure provides information requested by the Engineer Support Officer's endorsement to reference (a). The information is required for disposal of the subject items per reference (b). The container marked "29" should be managed as a corrosive EPA hazardous waste No. D002. Containers marked "30" and "31" are highly flammable and should be disposed of as ignitable wastes, EPA hazardous waste No. D001.

2. Point of contact in this matter is Mr. Danny Sharpe, Natural Resources and Environmental Affairs Division, extension 5003.

R. A. TIEBOUT
By direction

→ Blind copy to:
SupvChem, NREAD

BLDG TP-457
7-5 GAL CANS
2-55 GAL DRUMS
UNKNOWN

Writer: D. D. Sharpe, NREAD 5003
Typist: J. Cross 9Aug85

28 JUN 68

TO: [Illegible]

FROM: [Illegible]

SUBJECT: [Illegible]

1. [Illegible]

2. [Illegible]

3. [Illegible]

4. [Illegible]

5. [Illegible]



6240/2
NREAD

9 Aug 85

From: Commanding General, Marine Corps Base, Camp Lejeune
To: Commanding General, 2d Force Service Support Group,
Camp Lejeune

Subj: TESTING OF UNKNOWN CHEMICALS AT TP-457

Ref: (a) OIC, SASSY Management Unit ltr 11000 SMU/JJH/sb of
11 Feb 1985
(b) BO 6240.5

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R. A. TTEBOUT
By direction

→ Blind copy to:
SupvChem, NREAD

Writer: D. D. Sharpe, NREAD 5003
Typist: J. Cross 9Aug85

20 JUN 52

Government of the United States
Department of State
Washington, D.C.

TO: [Illegible]

FROM: [Illegible]

SUBJECT: [Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

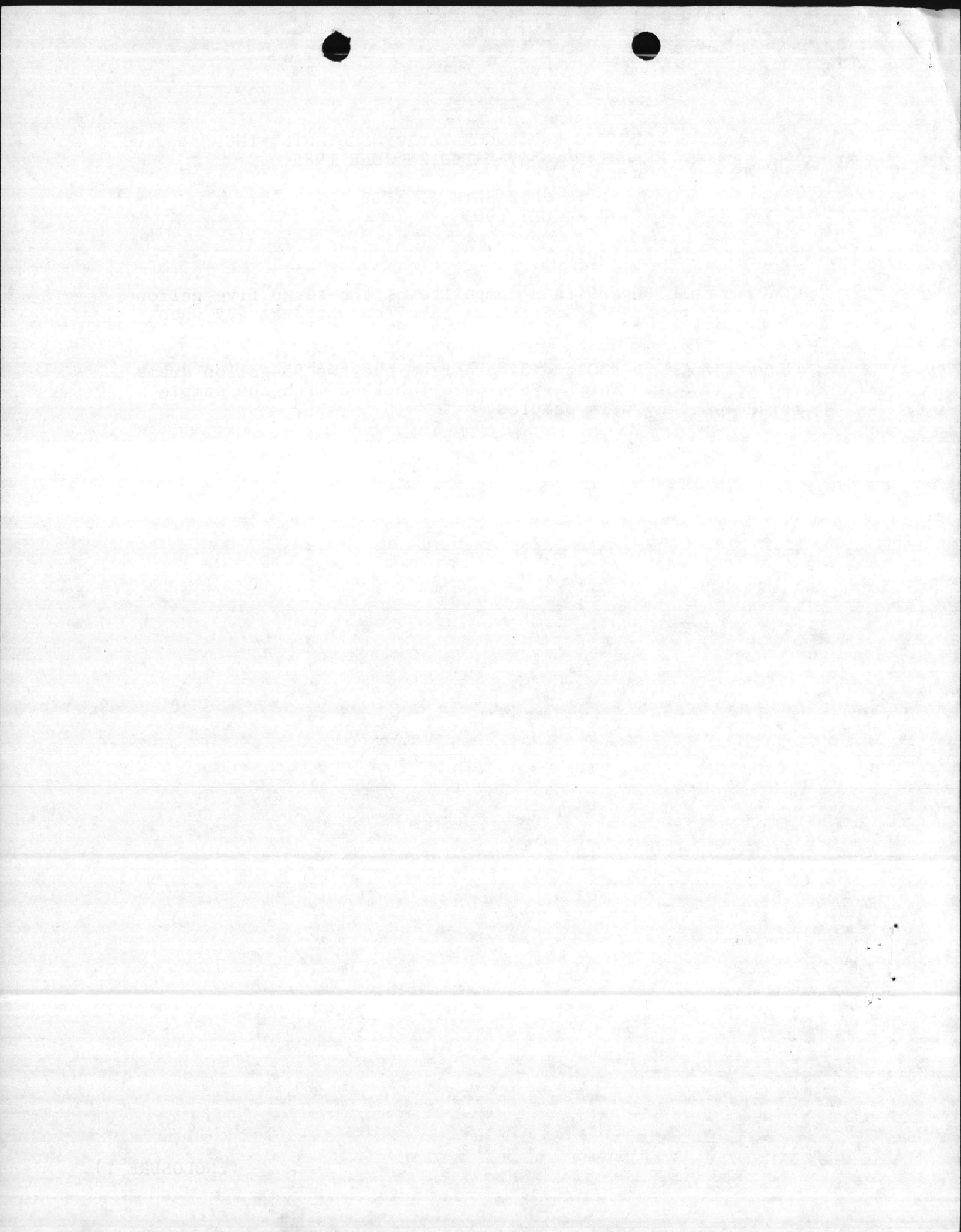
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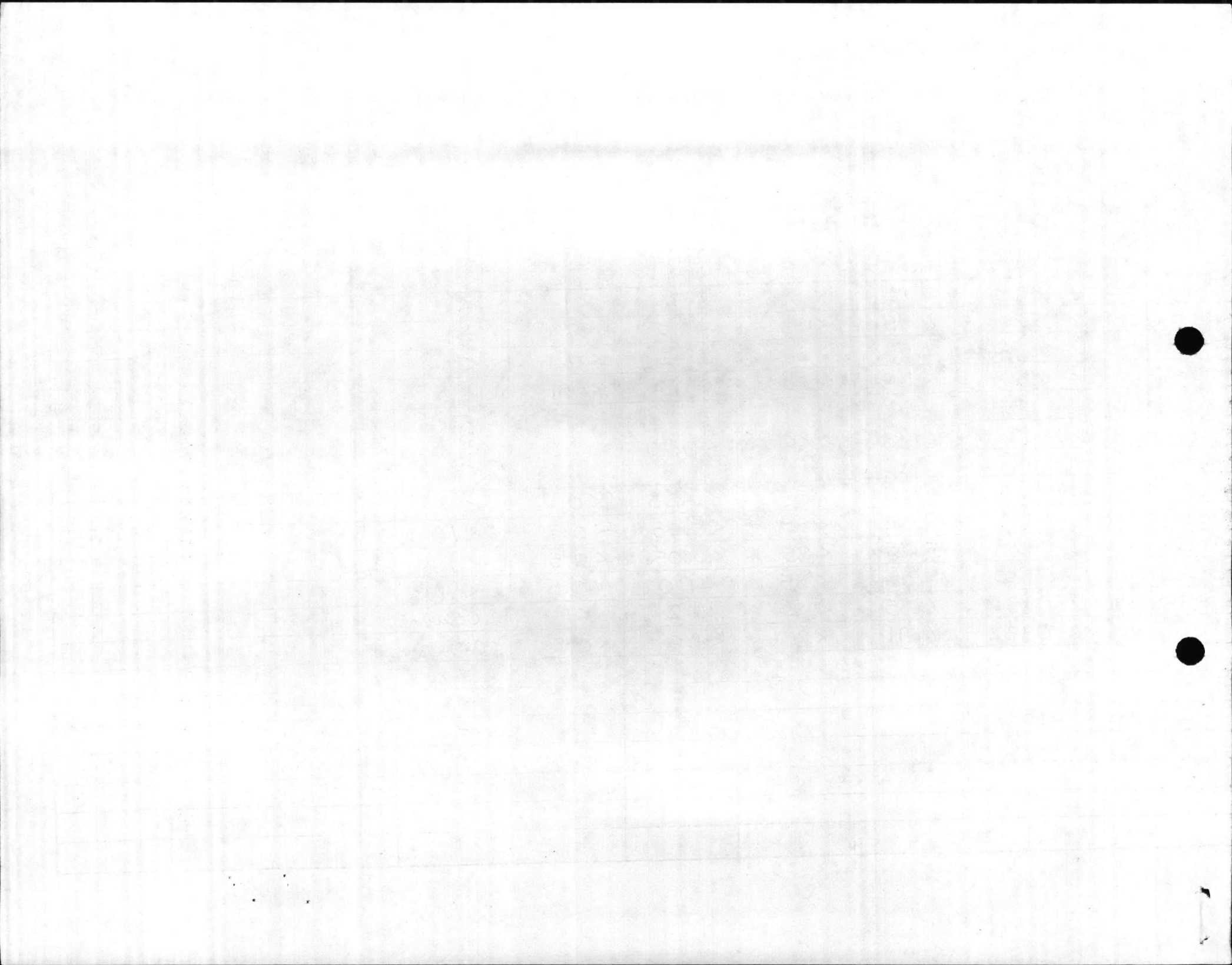
EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INC.
REPORT NO. 54, DATED 28 JUNE 1985

COMPILED BY ELIZABETH A. BETZ
7 AUGUST 1985

Please note the following:

- a. Navy sample ID #29 is a composite of the seven five-gallon drums stored at TP-457. Each was labelled with the #29 when they were sampled.
- b. Navy sample ID #30 and 31 are from the two 55-gallon drums stored at TP-457. The barrels were labelled with the sample numbers when they were sampled.





JTC Environmental Consultants, Inc.

Date 6-28-85 Report No. 54 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-254

Table 5

Date of Sample Receipt 3/28/85 & 5/23/85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As	Ba	Cd	Cr	Pb	Hg	Se	Ag
#23A Bldg HP100	12-0920	<1.0 mg/kg	<20 mg/kg	22.6 mg/kg	1.6 mg/kg	148 mg/kg	0.18 mg/kg	1.5 mg/kg	<1.0 mg/kg
#23B Bldg HP100	12-0921	<1.0 mg/kg	<20 mg/kg	4.8 mg/kg	1.4 mg/kg	0.8 mg/kg	<0.10 mg/kg	2.2 mg/kg	<1.0 mg/kg
#27I Bldg 251	12-0922	<50 ug/L	1170 ug/L	2440 ug/L	65 ug/L	9850 ug/L	<1.0 ug/L	141 ug/L	<50 ug/L
#27I Bldg 251	12-0923	290 ug/L	<1000 ug/L	680 ug/L	13,100 ug/L	3,120 ug/L	<1.0 ug/L	1960 ug/L	<50 ug/L
#28J Landfill	12-0924	2.3 mg/kg	<20 mg/kg	<0.50 mg/kg	2.3 mg/kg	4.5 mg/kg	<0.10 mg/kg	<0.40 mg/kg	<1.0 mg/kg
#28K Landfill	12-0925								
#28L Landfill	12-0926								
#29 Bldg TP457	12-0927	*	*	*	*	*	*	*	*
#30 Bldg TP457	12-0928	<50 ug/L	7800 ug/L	<25 ug/L	<50 ug/L	62.5 ug/L	22 ug/L	<20 ug/L	<50 ug/L
#31 Bldg TP457	12-0929	<50 ug/L	3130 ug/L	<25 ug/L	185 ug/L	21 ug/L	<1.0 ug/L	<20 ug/L	<50 ug/L
#320 Bldg TP451	12-0930	+	+	+	+	+	1925	+	+
#32P Bldg TP451	12-0931	<50 ug/L	1295 ug/L	<25 ug/L	63,600 ug/L	6250 ug/L	3.7 ug/L	<20 ug/L	<50 ug/L
#32Q Bldg TP451	12-0932	<50 ug/L	1535 ug/L	130 ug/L	93,900 ug/L	40,200 ug/L	7.9 ug/L	<20 ug/L	<50 ug/L

* sample depleted

+ sample requires redigestion prior to completion of analysis

6241/1
NREAD
7 August 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental
Branch
To: Director, Natural Resources and Environmental Affairs Division
Via: Supervisory Ecologist, Environmental Branch

Subj: TESTING OF UNKNOWN CHEMICALS STORED AT TP-457

Encl: (1) Excerpts from JTC Environmental Consultants, Inc.
Report No. 54 Dated 28 June 1985

1. The enclosure provides data on the seven five-gallon drums, sample #29, and the two 55-gallon drums, sample #30 and 31, stored at TP-457.

ELIZABETH A. BETZ

Writer: E. Betz, NREAD, 5977
Typist: A. Blackstock, 7 August 1985



Printed by the Government Printing Office
Washington, D.C. 20540

EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INC.
REPORT NO. 54, DATED 28 JUNE 1985

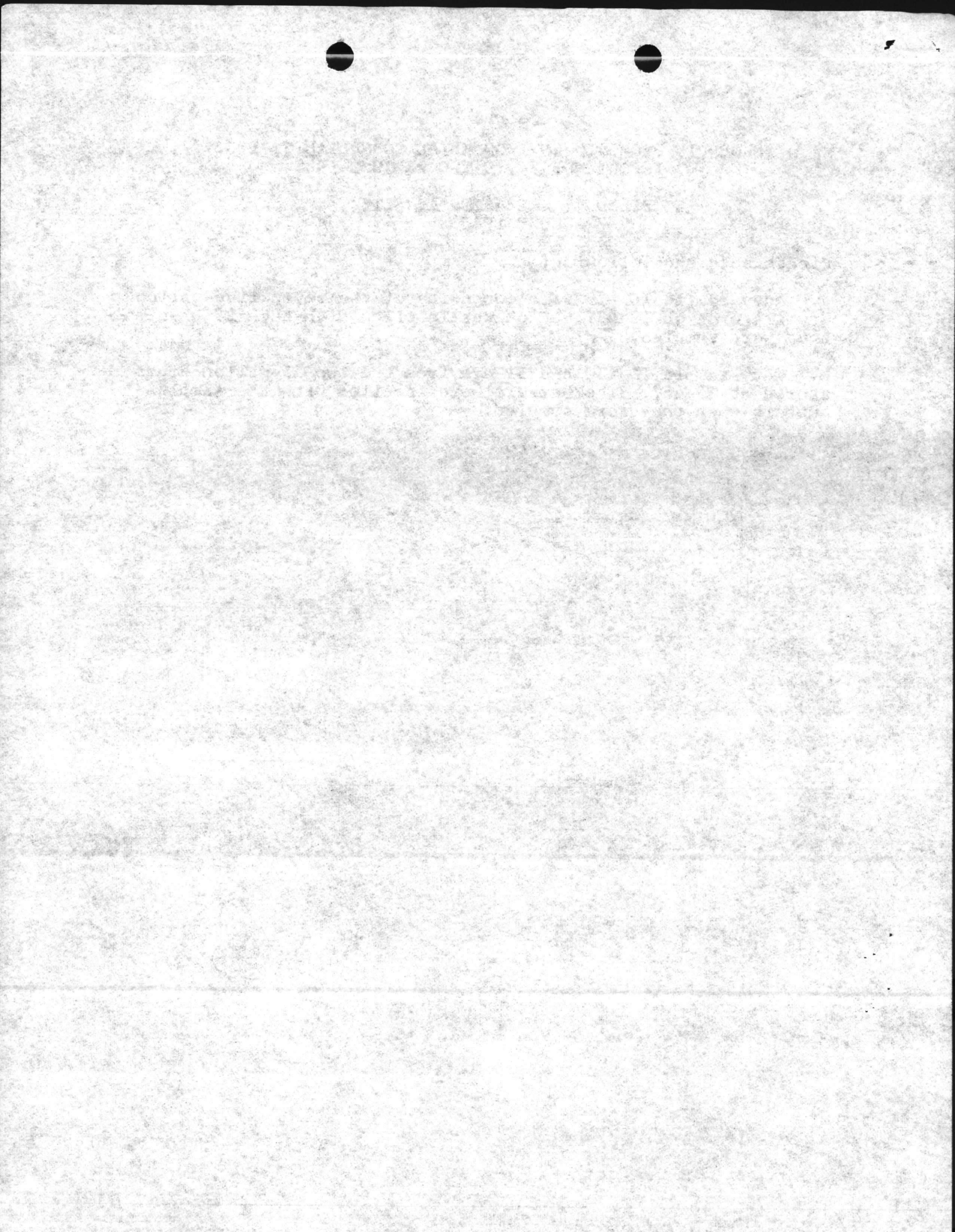
COMPILED BY ELIZABETH A. BETZ
7 AUGUST 1985

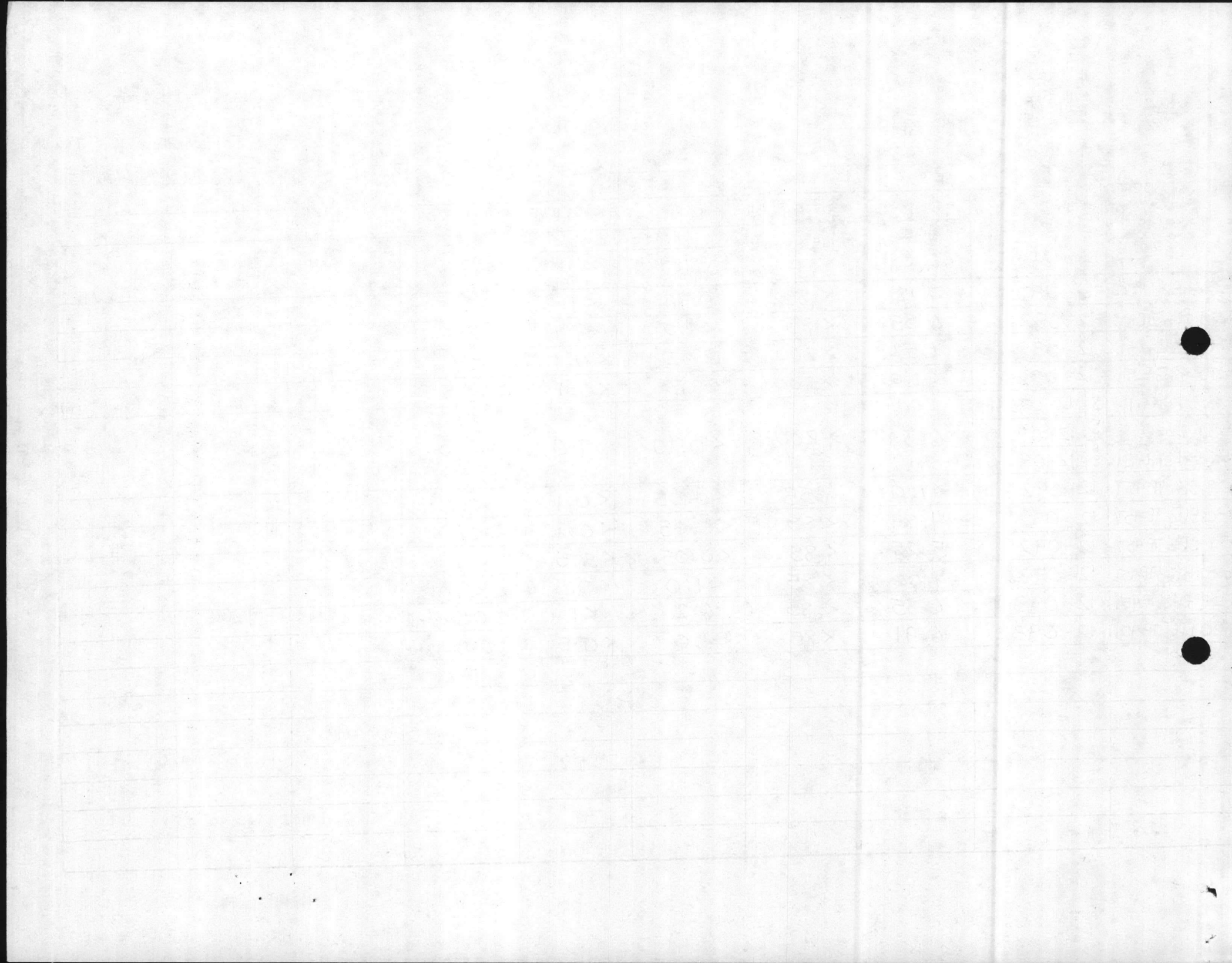
Please note the following:

a. Navy sample ID #29 is a composite of the seven five-gallon drums stored at TP-457. Each was labelled with the #29 when they were sampled.

b. Navy sample ID #30 and 31 are from the two 55-gallon drums stored at TP-457. The barrels were labelled with the sample numbers when they were sampled.

(ENCLOSURE 1)





JTC Environmental Consultants, Inc.

Date 6-28-85 Report No. 54 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-254

Table 5

Date of Sample Receipt 3/28/85 & 5/23/85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As	Ba	Cd	Cr	Pb	Hg	Se	Ag
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#23B Bldg HP100	12-0921	<1.0 mg/kg	<20 mg/kg	4.8 mg/kg	1.4 mg/kg	0.8 mg/kg	<0.10 mg/kg	2.2 mg/kg	<1.0 mg/kg
#27M Bldg 251	12-0922	<50 ug/L	1170 ug/L	2440 ug/L	65 ug/L	9850 ug/L	<1.0 ug/L	141 ug/L	<50 ug/L
#27I Bldg 251	12-0923	290 ug/L	<1000 ug/L	680 ug/L	13,100 ug/L	3,120 ug/L	<1.0 ug/L	1960 ug/L	<50 ug/L
#28J Landfill	12-0924	2.3 mg/kg	<20 mg/kg	<0.50 mg/kg	2.3 mg/kg	4.5 mg/kg	<0.10 mg/kg	<0.40 mg/kg	<1.0 mg/kg
#28K Landfill	12-0925								
#28L Landfill	12-0926								
#29 Bldg TP457	12-0927	*	*	*	*	*	*	*	*
#30 Bldg TP457	12-0928	<50 ug/L	7800 ug/L	<25 ug/L	<50 ug/L	62.5 ug/L	22 ug/L	<20 ug/L	<50 ug/L
#31 Bldg TP457	12-0929	<50 ug/L	3130 ug/L	<25 ug/L	185 ug/L	21 ug/L	<1.0 ug/L	<20 ug/L	<50 ug/L
#320 Bldg TP451	12-0930	+	+	+	+	+	1925	+	+
#32P Bldg TP451	12-0931	<50 ug/L	1295 ug/L	<25 ug/L	63,600 ug/L	6250 ug/L	3.7 ug/L	<20 ug/L	<50 ug/L
#32Q Bldg TP451	12-0932	<50 ug/L	1535 ug/L	130 ug/L	93,900 ug/L	40,200 ug/L	7.9 ug/L	<20 ug/L	<50 ug/L

* sample depleted

+ sample requires redigestion prior to completion of analysis

*Delivered
DBS
28 Feb 85*



UNITED STATES MARINE CORPS
2d Force Service Support Group (Rein)
Fleet Marine Force, Atlantic
Camp Lejeune, North Carolina 28542-5701

IN REPLY REFER TO:
6280
48
21 Feb 1985

SECOND ENDORSEMENT on OIC, SMU ltr 11000 SMU/JJH/sb of 11 Feb 85

From: Commanding General
To: Commanding General, Marine Corps Base, Camp Lejeune NC
(Attn: Director, Natural Resources and Environmental Affairs)

Subj: TESTING OF UNKNOWN CHEMICALS STORED AT TP-457

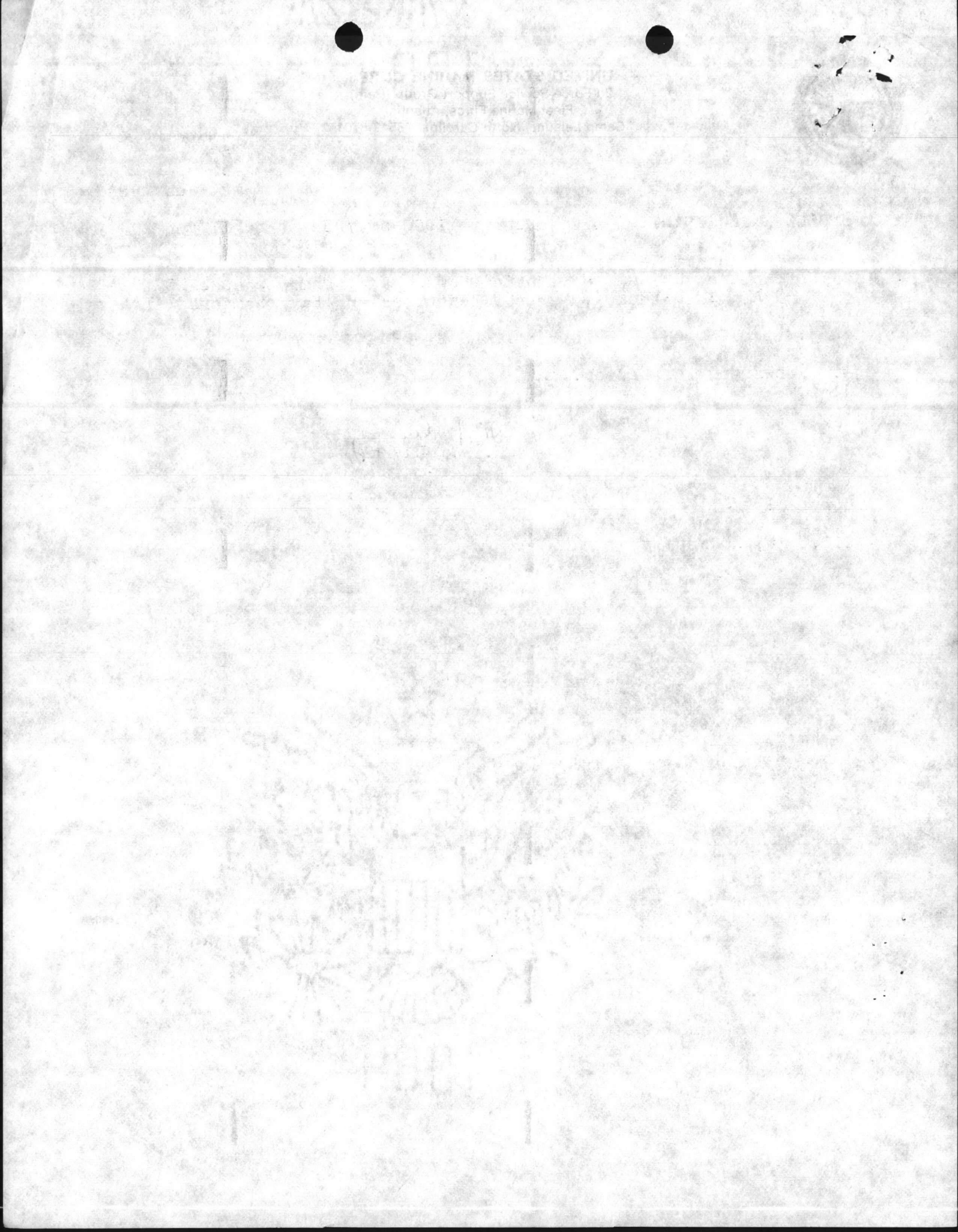
- 1. Forwarded for action.

D.A. Cerveny
D. A. CERVENY
By direction

Copy to:
CO, 2d SupplyBn
OIC, SMU, 2d SupplyBn

Sampled 3/29/85
Sample numbers are #29 (5 gal drums)
#30 (55 gal drum)
#31 (55 gal drum)

MAR 21 1985 Received





UNITED STATES MARINE CORPS
 SASSY Management Unit
 2d Supply Battalion
 2d Force Service Support Group (REIN)
 Fleet Marine Force, Atlantic
 Camp Lejeune, North Carolina 28542

IN REPLY REFER TO

11000
 SMU/JJH/sb
 11 FEB 1985

From: Officer In Charge, SASSY Management Unit
 To: Commanding General, 2D FSSG (ATTN: Safety)
 Via: Commanding Officer, 2D Supply Battalion (ATTN: S-4)

Subj: TESTING OF UNKNOWN CHEMICALS STORED AT TP-457

1. It is requested contents of the following containers be tested to determine applicability to operations at the Flammable Storage Warehouse (TP-457):

- 2 - 55 Gallon Drums
- 5 - 5 Gallon Plastic Containers

2. Due to the unknown nature of the contents of these containers, safe/proper storage is a problem.

3. For further information, contact 2D LT HOBBY ext 1468/2121/.

J. W. Rattigan
 J. W. RATTIGAN

Date FEB 20 1985

FIRST Endorsement

From: S-4 ~~Commanding~~ Officer, Supply Battalion

To: CG, 2d FSSG (ATTN: Safety Off)

Via:

- 1. Forwarded
- Forwarded For Action
- Recommended and Forwarded

55 gallon drums are believed to be POL. 5 gallon containers are believed to be ACID.

T. J. Greer
 T. J. GREER

UNITED STATES MARINE CORPS

2475 1st Marine Support Group (REIN)
Camp Lejeune, North Carolina 28542



J. W. Rattigan

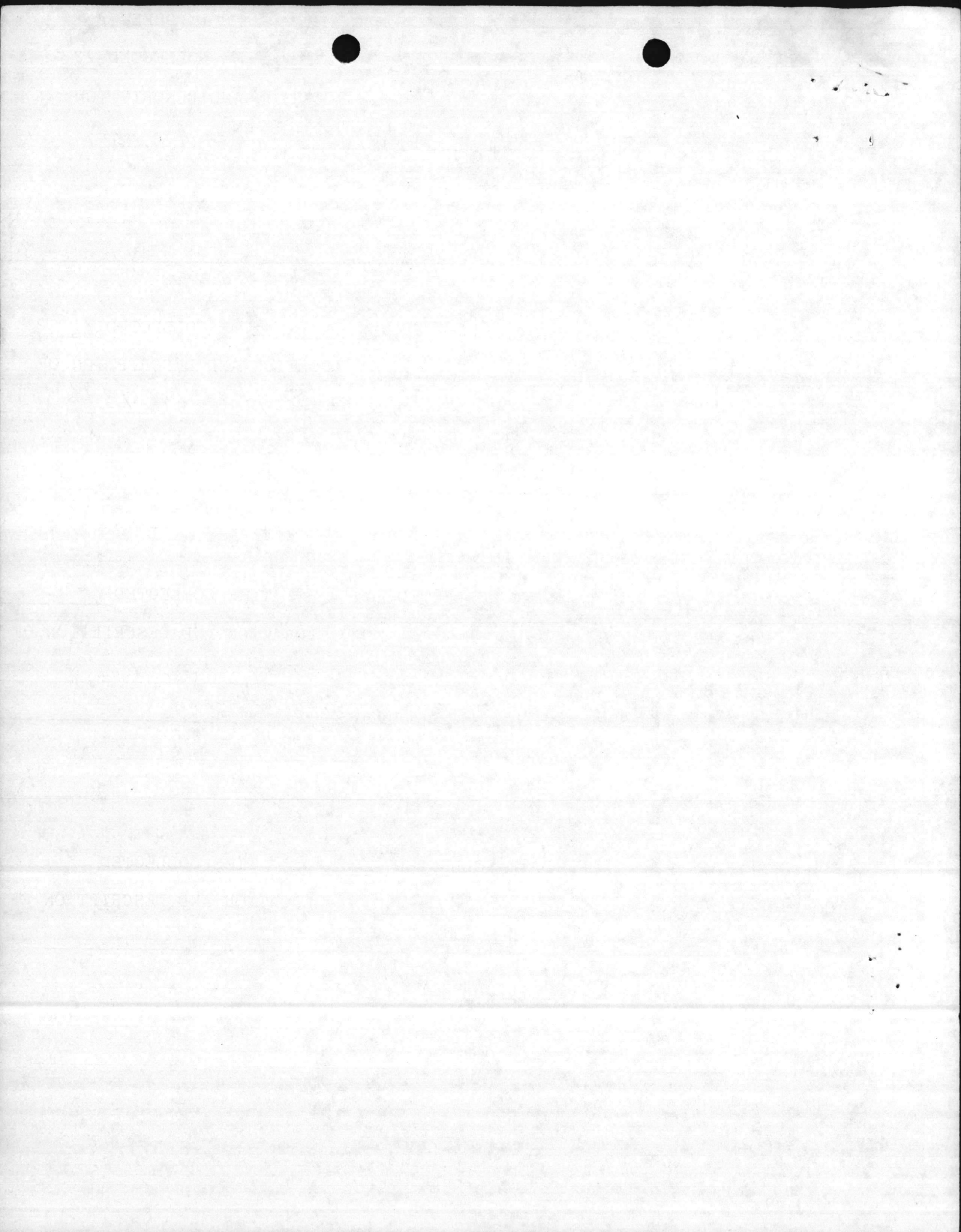
FEB 20 1971

Date: _____
From: Commanding Officer, Supply Battalion
To: _____
Via: _____

- () Forwarded
- (X) Forwarded for Action
- () Recommended and Forwarded

[Handwritten signature]

SAMPLE # 28DATE COLLECTED 29 MAR 85TIME COLLECTED 1300NAME OF COLLECTOR Marty, Henry with Barber LOCATION AND DESCRIPTION OF ITSAMPLED Contaminated soil from landfill.COMMENTS: Same as 28 J and 28 K.SAMPLE # 29DATE COLLECTED 29 MAR 85 TIME COLLECTED 1400NAME OF COLLECTOR Heitt, Barber LOCATION AND DESCRIPTION OF ITSAMPLED Bldg TP457 7-5 gal. containers (plastic) believed to be H₂O₄COMMENTS Composite sample (1 quart) of the 7 containers.Marked all with "29" Clear liquidSAMPLE # 30DATE COLLECTED 29 Mar 85 TIME COLLECTED 1415NAME OF COLLECTOR Heitt, Barber LOCATION AND DESCRIPTION OFSAMPLED Bldg TP 457. 55 gal. drum (rusty) Clear liquidCOMMENTS 1 quart sample. Drum marked #30SAMPLE # 31DATE COLLECTED 29 Mar 85 TIME COLLECTED 1420NAME OF COLLECTOR Heitt, Barber LOCATION AND DESCRIPTION OFSAMPLED Bldg^{TP} 457. same as #30.COMMENTS Drum marked # 31.



6280
48
21 Feb 1985

SECOND ENDORSEMENT on OIC, SMU ltr 11000 SMU/JJH/sb of 11 Feb 85

From: Commanding General
To: Commanding General, Marine Corps Base, Camp Lejeune NC
(Attn: Director, Natural Resources and Environmental Affairs)

Subj: TESTING OF UNKNOWN CHEMICALS STORED AT TP-457

1. Forwarded for action.

D. A. CERVENY
By direction

Copy to:
CO, 2d SupplyBn
OIC, SMU, 2d SupplyBn

1952
100
100-100000

SECOND FEDERAL BUREAU OF INVESTIGATION

FROM: SAC, NEW YORK (100-100000)
TO: DIRECTOR, FBI (100-100000)
SUBJECT: [Illegible]

RE: [Illegible]

100-100000

100-100000



UNITED STATES MARINE CORPS
 SASSY Management Unit
 2d Supply Battalion
 2d Force Service Support Group (REIN)
 Fleet Marine Force, Atlantic
 Camp Lejeune, North Carolina 28542

White

IN REPLY REFER TO
 11000
 SMU/JJH/sb
 11 FEB 1985

From: Officer In Charge, SASSY Management Unit
 To: Commanding General, 2D FSSG (ATTN: Safety)
 Via: Commanding Officer, 2D Supply Battalion (ATTN: S-4)

Subj: TESTING OF UNKNOWN CHEMICALS STORED AT TP-457

1. It is requested contents of the following containers be tested to determine applicability to operations at the Flammable Storage Warehouse (TP-457):

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- 5 - 5 Gallon Plastic Containers

2. Due to the unknown nature of the contents of these containers, safe/proper storage is a problem.

3. For further information, contact 2D LT HOBBY ext 1468/2121/.

J. W. Rattigan
 J. W. RATTIGAN

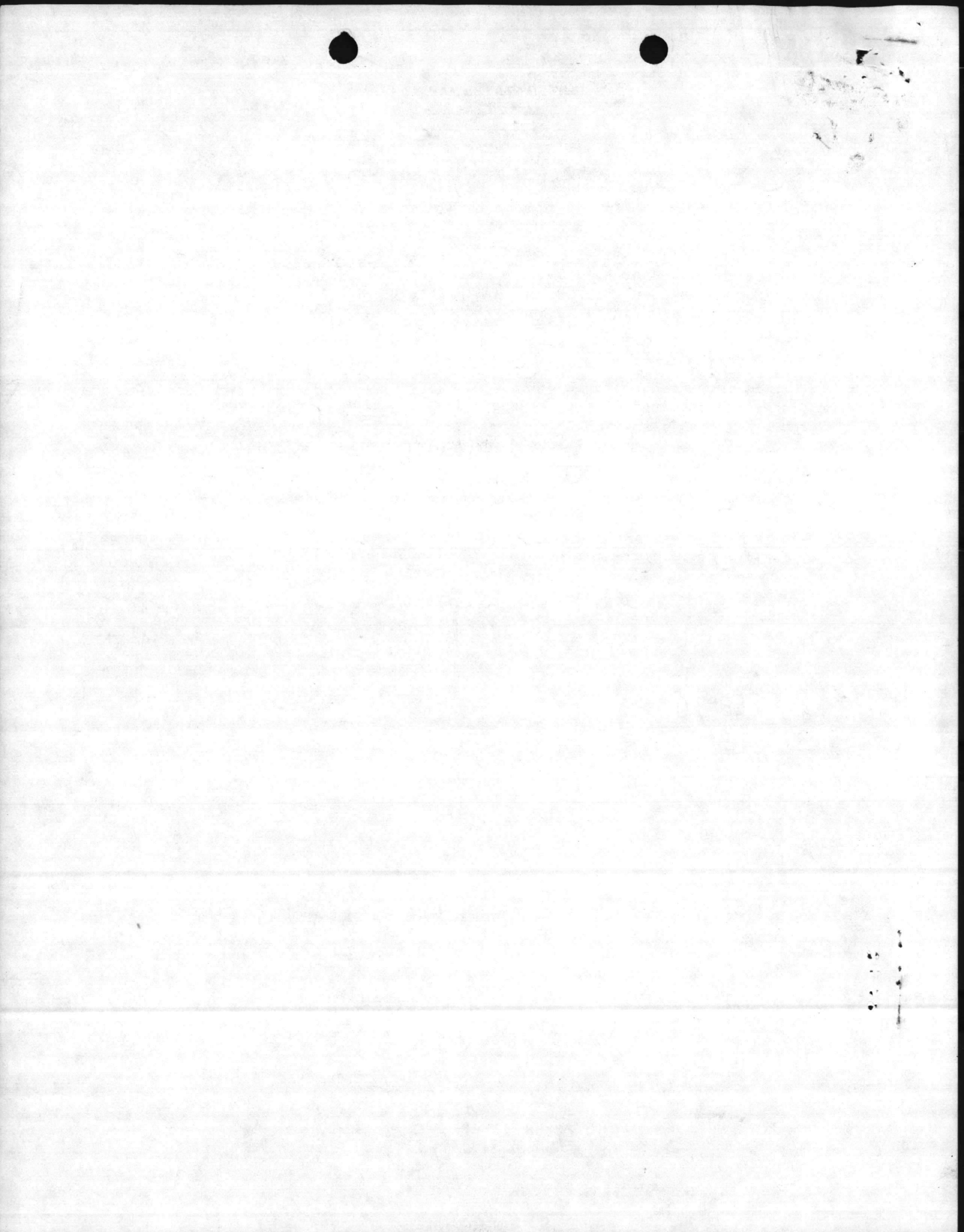
H. Johnson

Date FEB 20 1985

FIRST Endorsement
 From: S-4 Officer, Supply Battalion
 To: CG, 2d FSSG (ATTN: Safety Off)
 Via:

- 1. Forwarded
- Forwarded For Action
- Recommended and Forwarded
- 55 gallon drums are believed to be POL. 5 gallon containers are believed to be Acid.

T. J. Greer
 T. J. GREER





UNITED STATES MARINE CORPS
Natural Resources and Environmental Affairs Division
Marine Corps Base
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO:
6240/1
NREAD
8 Aug 1985

From: Director, Natural Resources and Environmental Affairs
Division, Marine Corps Base, Camp Lejeune
To: Defense Reutilization and Marketing Officer, Camp Lejeune

Subj: HAZARDOUS WASTE ANALYSIS

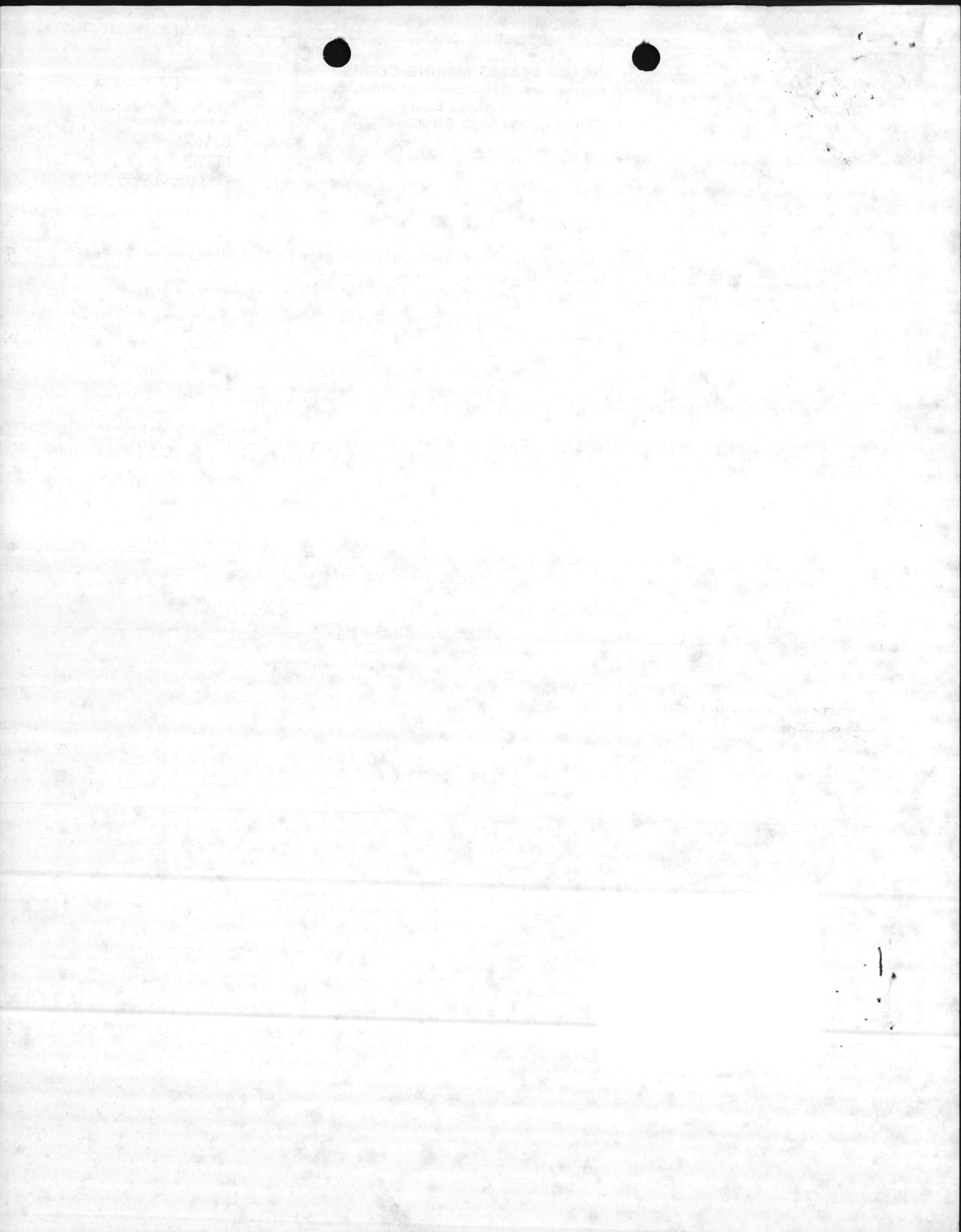
Encl: (1) Supervisory Chemist, NREAD ltr 6241/1 NREAD of 6 Aug
1985
(2) JTC Report #54 (Addendum) dated 2 Aug 1985

1. Enclosures (1) and (2) provide information required to identify three barrels of "unknown" hazardous wastes located at the DRMO storage facilities at Building TP-451. The wastes fall into both the ignitable and the toxic categories of hazardous wastes and should be disposed of accordingly. Enclosure (2) provides data on Sample 32-0 left out of enclosure (1). Point of contact in this matter is Mr. Danny Sharpe, telephone 451-5003.

D. D. SHARPE
Acting

Blind copy to:
→ SupvChem

AIR STATION
3 - BARRELS
UNKNOWN





UNITED STATES MARINE CORPS
Natural Resources and Environmental Affairs Division
Marine Corps Base
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO:
6240/1
NREAD
8 Aug 1985

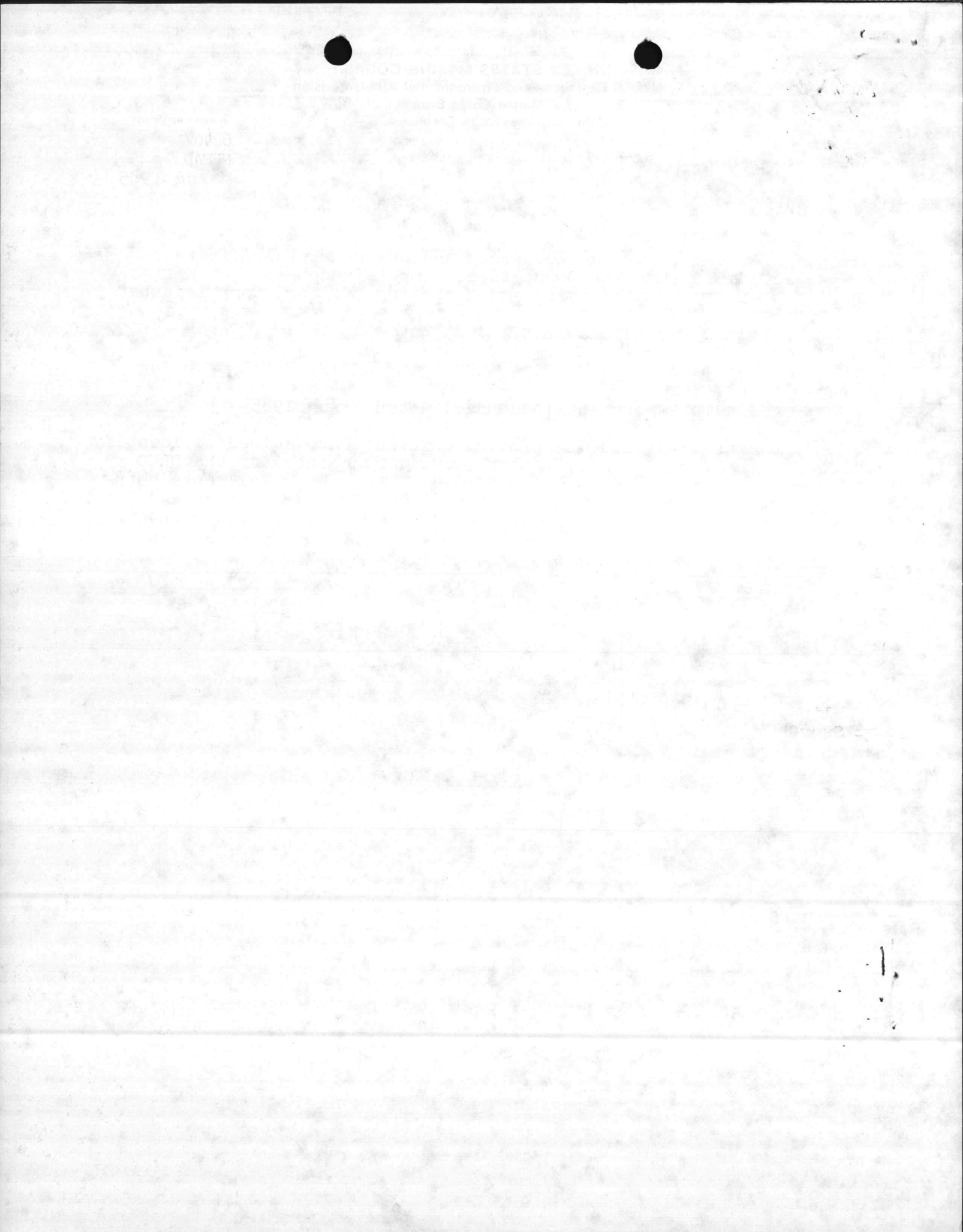
From: Director, Natural Resources and Environmental Affairs
Division, Marine Corps Base, Camp Lejeune
To: Defense Reutilization and Marketing Officer, Camp Lejeune
Subj: HAZARDOUS WASTE ANALYSIS

Encl: (1) Supervisory Chemist, NREAD ltr 6241/1 NREAD of 6 Aug
1985
(2) JTC Report #54 (Addendum) dated 2 Aug 1985

1. Enclosures (1) and (2) provide information required to identify three barrels of "unknown" hazardous wastes located at the DRMO storage facilities at Building TP-451. The wastes fall into both the ignitable and the toxic categories of hazardous wastes and should be disposed of accordingly. Enclosure (2) provides data on Sample 32-0 left out of enclosure (1). Point of contact in this matter is Mr. Danny Sharpe, telephone 451-5003.

D. D. SHARPE
Acting

Blind copy to:
→ SupvChem





UNITED STATES MARINE CORPS
Natural Resources and Environmental Affairs Division
Marine Corps Base
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO:

6241/1
NREAD
6 August 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental Branch
To: Director, Natural Resources Environmental Affairs Division
Via: Supervisory Ecologist, Environmental Branch *DD*
Subj: THREE UNKNOWN BARRELS STORED AT TP-451; ANALYSIS OF
Encl: (1) Excerpts for JTC Environmental Consultants, Inc.
Report #54 Dated 28 June 1985

1. The enclosure provides data on the three barrels received by DRMO from MCAS-NR presently stored at TP-451. The barrels are labelled 32-O, 32-P and 32-Q.

Elizabeth A. Betz
ELIZABETH A. BETZ

ENCLOSURE (1)



62414
BREAD
5 August 1951

Administrative

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Division

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EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INC.
REPORT NO. 54 DATED 28 JUNE 1985

COMPILED BY ELIZABETH A. BETZ
6 AUGUST 1985

Please note the following:

a. Navy sample ID #32-0, 32-P and 32-Q are from the barrels from MCAS-NR stored at TP-451. The barrels were labelled with the sample numbers when they were sampled.

(ENCLOSURE 1)

aluminum from the
the aluminum is
the aluminum is

(ENCLOSURE 1)

Station	Date	Time	Wind	Temp	Humidity	Pressure	Clouds	Visibility	Remarks
1	10/10/89	08:00	10	18	75	30.1	0	10	Clear
2	10/10/89	09:00	12	19	78	30.1	0	10	Clear
3	10/10/89	10:00	15	20	80	30.1	0	10	Clear
4	10/10/89	11:00	18	21	82	30.1	0	10	Clear
5	10/10/89	12:00	20	22	85	30.1	0	10	Clear
6	10/10/89	13:00	22	23	88	30.1	0	10	Clear
7	10/10/89	14:00	25	24	90	30.1	0	10	Clear
8	10/10/89	15:00	28	25	92	30.1	0	10	Clear
9	10/10/89	16:00	30	26	95	30.1	0	10	Clear
10	10/10/89	17:00	32	27	98	30.1	0	10	Clear
11	10/10/89	18:00	30	26	95	30.1	0	10	Clear
12	10/10/89	19:00	28	25	92	30.1	0	10	Clear
13	10/10/89	20:00	25	24	88	30.1	0	10	Clear
14	10/10/89	21:00	22	23	85	30.1	0	10	Clear
15	10/10/89	22:00	20	22	82	30.1	0	10	Clear
16	10/10/89	23:00	18	21	80	30.1	0	10	Clear
17	10/10/89	00:00	15	20	78	30.1	0	10	Clear
18	10/10/89	01:00	12	19	75	30.1	0	10	Clear
19	10/10/89	02:00	10	18	72	30.1	0	10	Clear
20	10/10/89	03:00	8	17	70	30.1	0	10	Clear
21	10/10/89	04:00	7	16	68	30.1	0	10	Clear
22	10/10/89	05:00	6	15	65	30.1	0	10	Clear
23	10/10/89	06:00	5	14	62	30.1	0	10	Clear
24	10/10/89	07:00	4	13	60	30.1	0	10	Clear

JTC Environmental Consultants, Inc.

Date 6-28-85 Report No. 54 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-254

Table 5

Date of Sample Receipt 3/28/85 & 5/23/85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As	Ba	Cd	Cr	Pb	Hg	Se	Ag
#23A Bldg HP100	12-0920	<1.0 mg/kg	<20 mg/kg	22.6 mg/kg	1.6 mg/kg	148 mg/kg	0.18 mg/kg	1.5 mg/kg	<1.0 mg/kg
#23B Bldg HP100	12-0921	<1.0 mg/kg	<20 mg/kg	4.8 mg/kg	1.4 mg/kg	0.8 mg/kg	<0.10 mg/kg	2.2 mg/kg	<1.0 mg/kg
#27 Bldg 251	12-0922	<50 ug/L	1170 ug/L	2440 ug/L	65 ug/L	9850 ug/L	<1.0 ug/L	141 ug/L	<50 ug/L
#27I Bldg 251	12-0923	290 ug/L	<1000 ug/L	680 ug/L	13,100 ug/L	3,120 ug/L	<1.0 ug/L	1960 ug/L	<50 ug/L
#28J Landfill	12-0924	2.3 mg/kg	<20 mg/kg	<0.50 mg/kg	2.3 mg/kg	4.5 mg/kg	<0.10 mg/kg	<0.40 mg/kg	<1.0 mg/kg
#28K Landfill									
#28L Landfill									
#29 Bldg TP457	12-0927	*	*	*	*	*	*	*	*
#30 Bldg TP457	12-0928	<50 ug/L	7800 ug/L	<25 ug/L	<50 ug/L	62.5 ug/L	22 ug/L	<20 ug/L	<50 ug/L
#31 Bldg TP457	12-0929	<50 ug/L	3130 ug/L	<25 ug/L	185 ug/L	21 ug/L	<1.0 ug/L	<20 ug/L	<50 ug/L
#32O Bldg TP451	12-0930	+	+	+	+	+	1925	+	+
#32P Bldg TP451	12-0931	<50 ug/L	1295 ug/L	<25 ug/L	63,600 ug/L	6250 ug/L	3.7 ug/L	<20 ug/L	<50 ug/L
#32Q Bldg TP451	12-0932	<50 ug/L	1535 ug/L	130 ug/L	93,900 ug/L	40,200 ug/L	7.9 ug/L	<20 ug/L	<50 ug/L

* sample depleted

+ sample requires redigestion prior to completion of analysis

Report No. _____
 Date of Exam: _____
 Station: _____
 Name of Candidate: _____

Sl. No.	Q. No.	Q. Text	Ans.
1	1	Q. 1.1	A. 1.1
2	2	Q. 1.2	A. 1.2
3	3	Q. 1.3	A. 1.3
4	4	Q. 1.4	A. 1.4
5	5	Q. 1.5	A. 1.5
6	6	Q. 1.6	A. 1.6
7	7	Q. 1.7	A. 1.7
8	8	Q. 1.8	A. 1.8
9	9	Q. 1.9	A. 1.9
10	10	Q. 1.10	A. 1.10
11	11	Q. 1.11	A. 1.11
12	12	Q. 1.12	A. 1.12
13	13	Q. 1.13	A. 1.13
14	14	Q. 1.14	A. 1.14
15	15	Q. 1.15	A. 1.15
16	16	Q. 1.16	A. 1.16
17	17	Q. 1.17	A. 1.17
18	18	Q. 1.18	A. 1.18
19	19	Q. 1.19	A. 1.19
20	20	Q. 1.20	A. 1.20

REPORT #54 (Addendum)
LABORATORY ANALYSIS ON
NAVAL SAMPLES
(A/E CONTRACT N62470-84-B-6932)
JTC REPORT # 85-254

PREPARED FOR:
DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VA 23511

PREPARED BY:
JTC ENVIRONMENTAL CONSULTANTS, INC.
4 RESEARCH PLACE, SUITE L-10
ROCKVILLE, MARYLAND 20850

AUGUST 2, 1985

Ann E. Rosecrance

Ann E. Rosecrance
Laboratory Director

REPORT NO. 100-154
CONTRACT NO. 141-8-5532
REPORT NO. 100-154

PREPARED FOR:
DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
ENGINEERING COMMAND
NORFOLK, VA 23511

FORWARDED BY:
THE ENGINEERING COMMAND
SUITE 2110
NORFOLK, VIRGINIA 23511
August 2, 1985

John E. Rosencrance
John E. Rosencrance
Laboratory Director

JTC Environmental Consultants, Inc.

Date 8-2-85 Report No. 54 Add to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-254

Table 1

Date of Sample Receipt 3/28/85 + 5/23/85

Camp Lejeune

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As ug/L	Ba ug/L	Cd ug/L	Cr ug/L	Pb ug/L	Hg ug/L	Se ug/L	Ag ug/L
#320 Bldg. TP451	12-0930	<50	<1000	7400	1,370,000	47,200	1925	157	<50

11
21



FROM **LANNON CDR 1142**

FILE NUMBER **6280 1142006**

SUBJECT **TAM/VOA AND WASTE OIL TEST RESULTS**

REFERENCE

TO: **MCB CAMP LEJEUNE
 BASE MAINTENANCE
 ENVIRONMENTAL AFFAIRS
 DIVISION**

ENCLOSURE
**(1) JTC REPORTS #54
 AND #108 (RECD
 SAUG 85)**

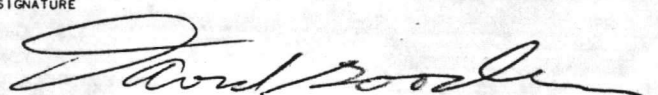
This form may be used in a window envelope.

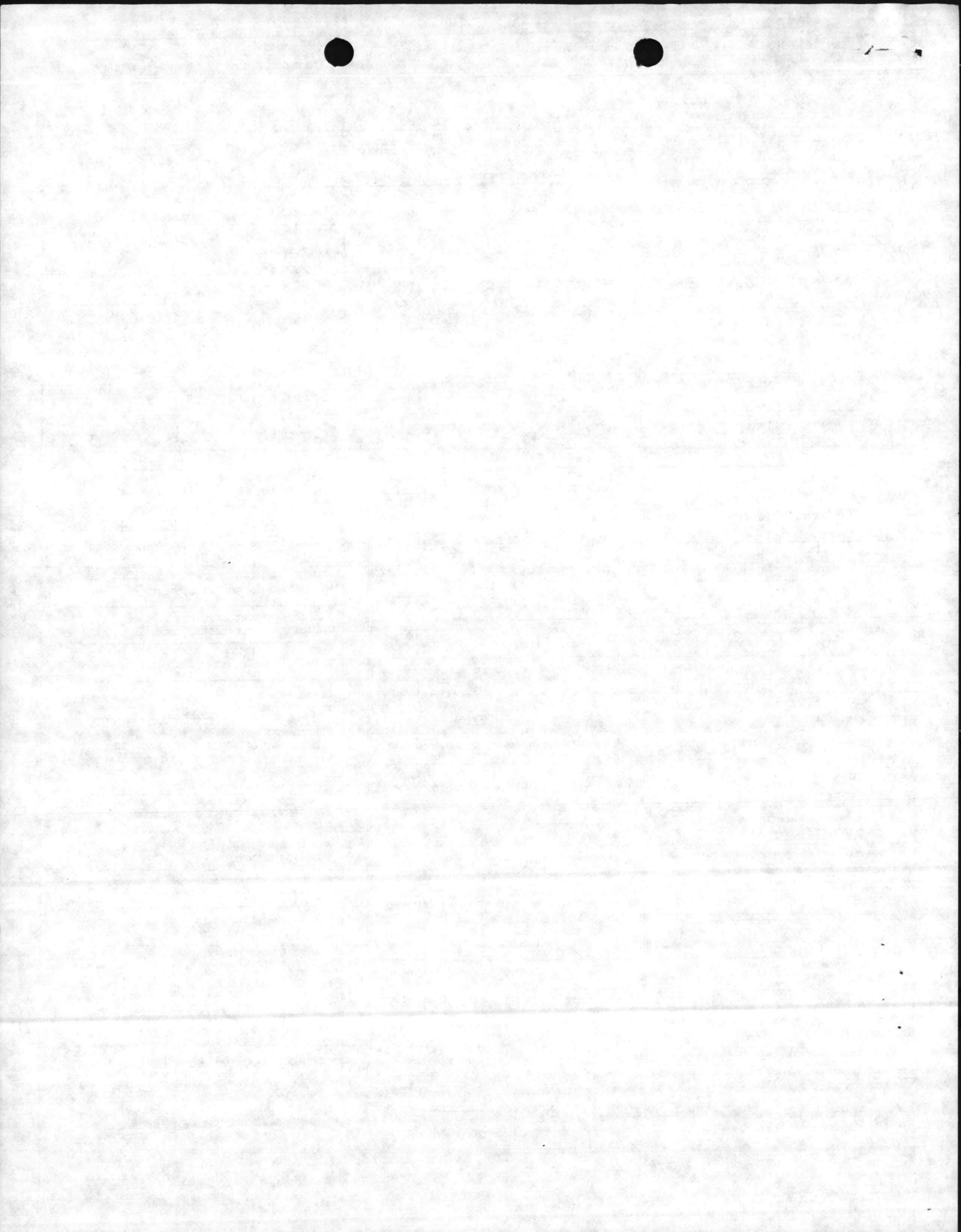
VIA _____ Endorsement on _____

FORWARDED RETURNED FOLLOW-UP REQUEST ADVISE SUBMIT

X	MESSAGE	X	MESSAGE	X	MESSAGE
<input checked="" type="checkbox"/>	FOR APPROPRIATE ACTION		SUBJECT DOCUMENT(S) WAS/WERE FORWARDED TO YOUR OFFICE _____ AS A MATTER UNDER YOUR JURISDICTION.		CERTIFY ENCLOSURE _____ AS TO RECEIPT AND ACCEPTANCE OF MATERIAL AND FORWARD TO _____
	FOR INFORMATION OR CERTIFICATION AND/OR FILE.		SUBJECT DOCUMENTS WAS/WERE APPROVED _____ AND FORWARDED TO YOU.		_____ COPIES OF SUBJECT CHANGE ORDER AMENDMENT OR MODIFICATION
	<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		_____ COPY(IES) OF THIS CORRESPONDENCE WITH YOUR REPLY.		CHANGE NOTICE TO THE SUPPLIER
	APPROVAL <input type="checkbox"/> IS <input type="checkbox"/> IS NOT RECOMMENDED		ENCLOSURE(S) _____ IS/ARE FORWARDED AS REQUESTED BY REFERENCE _____		_____ COPIES OF APPLICABLE PLANS AND/OR SPECIFICATIONS.
	CONCURRING IN RECOMMENDATIONS MADE IN THE BASIC CORRESPONDENCE.		ENCLOSURE(S) IS/ARE RETURNED FOR CORRECTION AS INDICATED.		FOR PLAN ACTION AS INDICATED
	COMMENTS AND/OR RECOMMENDATIONS.		CORRECTED ENCLOSURE(S) AS REQUESTED		CLASSIFICATIONS OF DEFECTS FOR SUBJECT ITEMS
	MAILING LIST ACTION		SUBJECT PERSON'S ATTENTION SHOULD BE INVITED TO THIS MATTER		CONFIRMATION THAT INSPECTION OR SOURCE INSPECTION IS NOT REQUIRED
	FOR ASSIGNMENT OF BUREAU FILE NUMBER(S)		SUBJECT PERSON(S) REPORTED TO THIS COMMAND _____		INSPECTION UNDER THE SUBJECT SUBCONTRACT IS NOT REQUIRED
	ON A LOAN BASIS RETURN BY _____		SUBJECT PERSON(S) COMPLETED HIS/THEIR DUTY AND WAS/WERE DETACHED FROM THIS COMMAND _____		_____ COPIES OF SUBJECT PURCHASE DOCUMENT. IF SOURCE INSPECTION OR PROGRESSING IS REQUIRED
	SIGN ORIGINAL RECEIPT AND RETURN TO THIS OFFICE.		NAME AND LOCATION OF SUPPLIER OF SUBJECT ITEMS.		STATUS OF MATERIAL ON SUBJECT PURCHASE DOCUMENT
	SUBJECT FILES, WHICH ARE LOCATED IN BOX NO. _____ SHIPMENT NO. _____		SUBCONTRACT NUMBER FOR SUBJECT ITEM		CLEARANCE AS INDICATED IN BASIC CORRESPONDENCE VERIFIED. NO REPLY UNLESS NEGATIVE.
	REPLY TO THE ABOVE REFERENCE(S) BY _____		SUBJECT PURCHASE DOCUMENT HAS BEEN REQUESTED AND WILL BE FORWARDED WHEN RECEIVED.		VERIFICATION OF NEED-TO-KNOW FOR VISIT PERSONNEL CLEARANCES VERIFIED.
	_____ COPY(IES) OF REFERENCE DESCRIBED ABOVE WAS/WERE NOT RECEIVED.		ENDORSEMENT _____ OF SUBJECT SUBCONTRACT IS BEING DELAYED PENDING RECEIPT OF BASIC PURCHASE DOCUMENT.		
	SUBJECT DOCUMENT(S) WAS/WERE FORWARDED TO _____		APPROPRIATION SYMBOL SUBHEAD AND CHARGEABLE ACTIVITY		
	SUBJECT DOCUMENT(S) IS/ARE WAS/WERE RETURNED FOR _____		WHETHER SUBJECT ITEMS ARE TO BE COMMERCIALY SHIPPED OR AT GOVERNMENT EXPENSE		
			A CERTIFICATE IN LIEU OF SUBJECT BILL OF LADING WHICH HAS BEEN LOST.		SEE REMARKS ON THE REVERSE SIDE.

COPY TO **114 (w/ #108), 1142, 114: PBI (w/ #54), 1145**

SIGNATURE 



REPORT #54 (Addendum)
LABORATORY ANALYSIS ON
NAVAL SAMPLES
(A/E CONTRACT N62470-84-B-6932)
JTC REPORT # 85-254

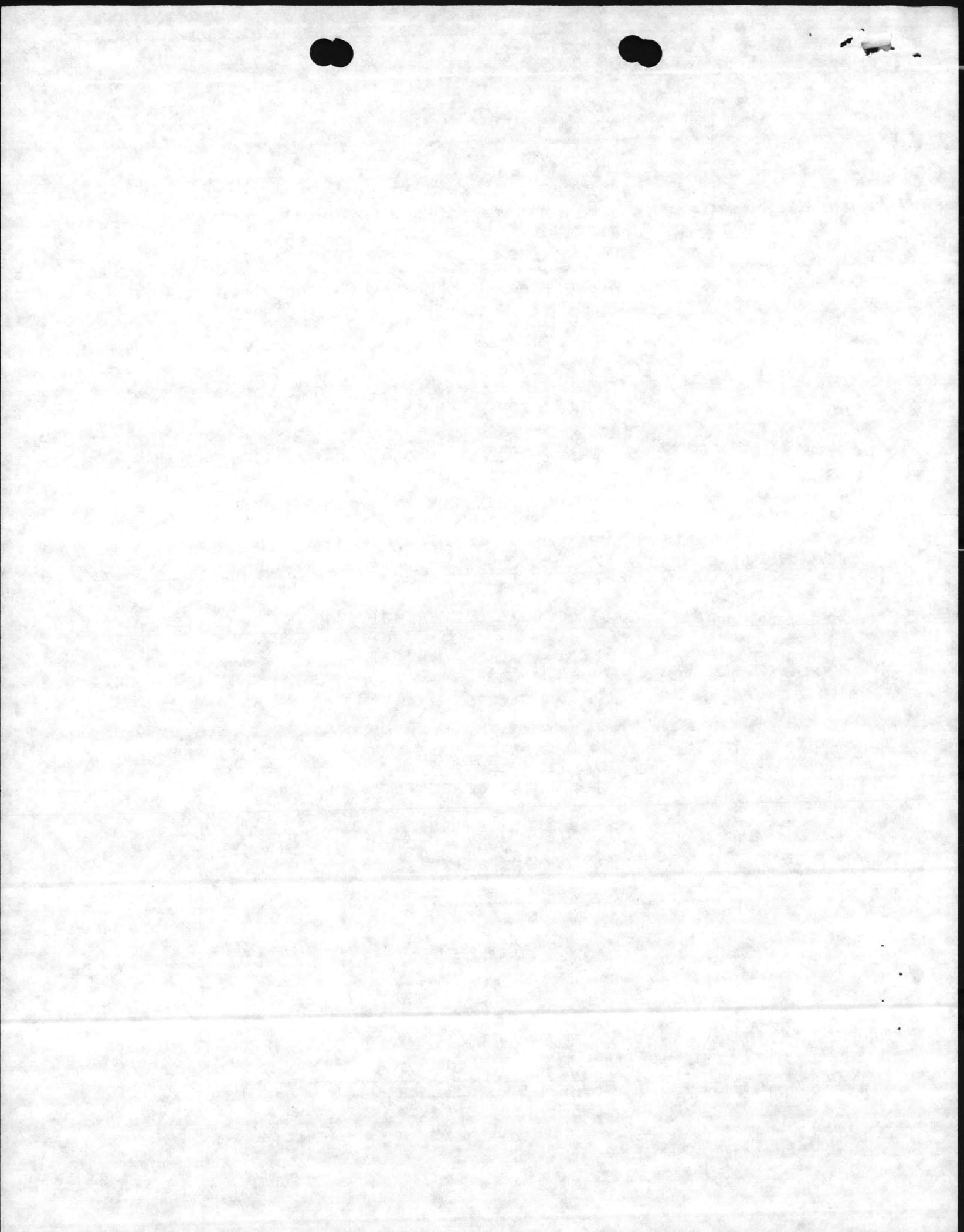
PREPARED FOR:
DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VA 23511

PREPARED BY:
JTC ENVIRONMENTAL CONSULTANTS, INC.
4 RESEARCH PLACE, SUITE L-10
ROCKVILLE, MARYLAND 20850

AUGUST 2, 1985

Ann E. Rosecrance

Ann E. Rosecrance
Laboratory Director



JTC Environmental Consultants, Inc.

Date 8-2-85 Report No. 54 Add to Naval Facilities Engineering Command, Norfolk, Virginia

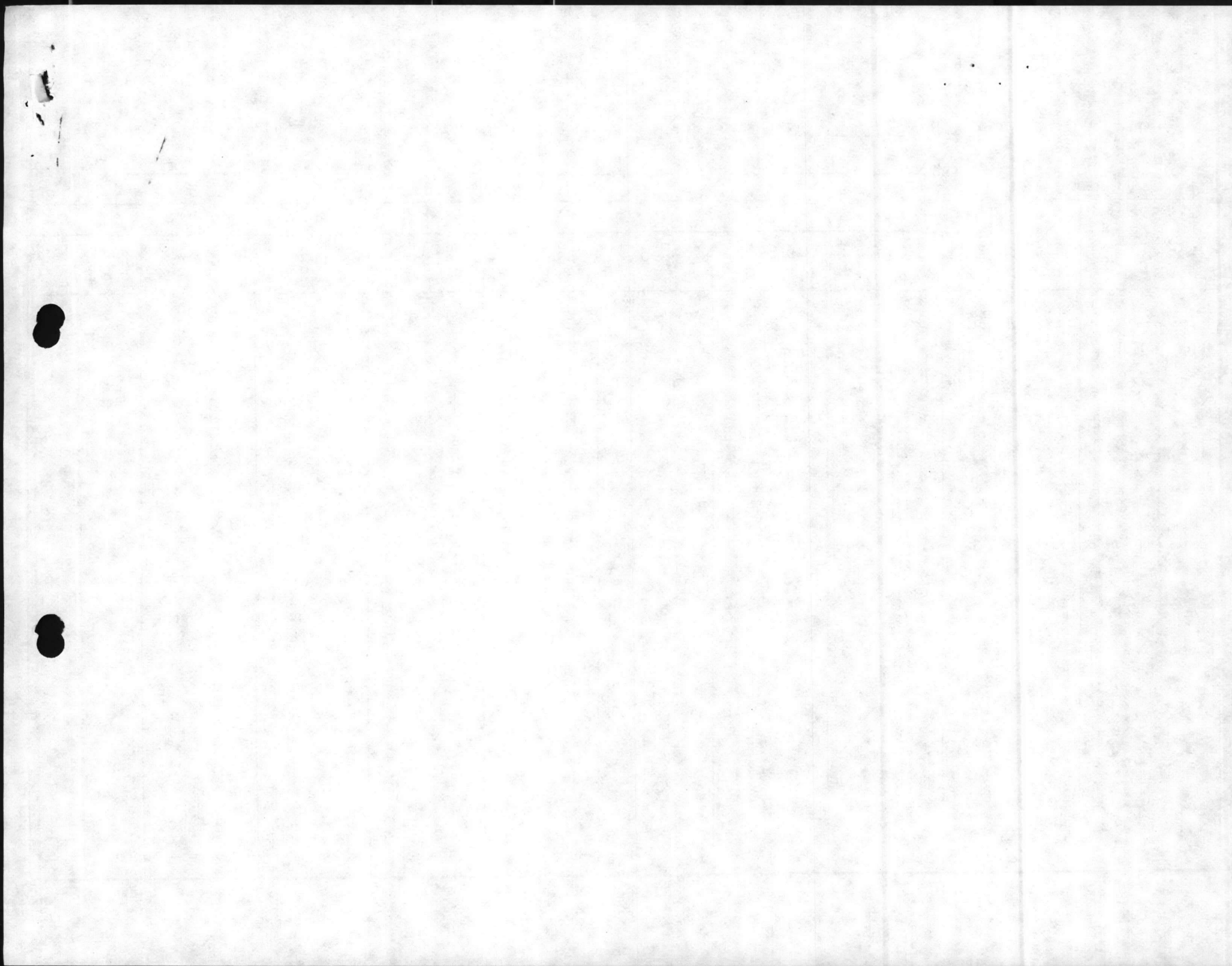
JTC Data Report No. 85-254

Table 1

Date of Sample Receipt 3/28/85 + 5/23/85

Camp Lejeune

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As ug/L	Ba ug/L	Cd ug/L	Cz ug/L	Pb ug/L	Hg ug/L	Se ug/L	Ag ug/L
#320 Bldg. TP451	12-0930	<50	<1000	7400	1,370,000	47,200	1925	157	<50



6241/1
NREAD
6 August 1985

From: Supervisory Chemist, Water Quality Control Lab, Environmental
Branch
To: Director, Natural Resources Environmental Affairs Division
Via: Supervisory Ecologist, Environmental Branch
Subj: THREE UNKNOWN BARRELS STORED AT TP-451; ANALYSIS OF
Encl: (1) Excerpts for JTC Environmental Consultants, Inc.
Report #54 Dated 28 June 1985

1. The enclosure provides data on the three barrels received by
DRMO from MCAS-NR presently stored at TP-451. The barrels are
labelled 32-O, 32-P and 32-Q.

ELIZABETH A. BETZ

Writer: E. Betz, NREAD, 5977
Typist: A. Blackstock, 6 August 1985

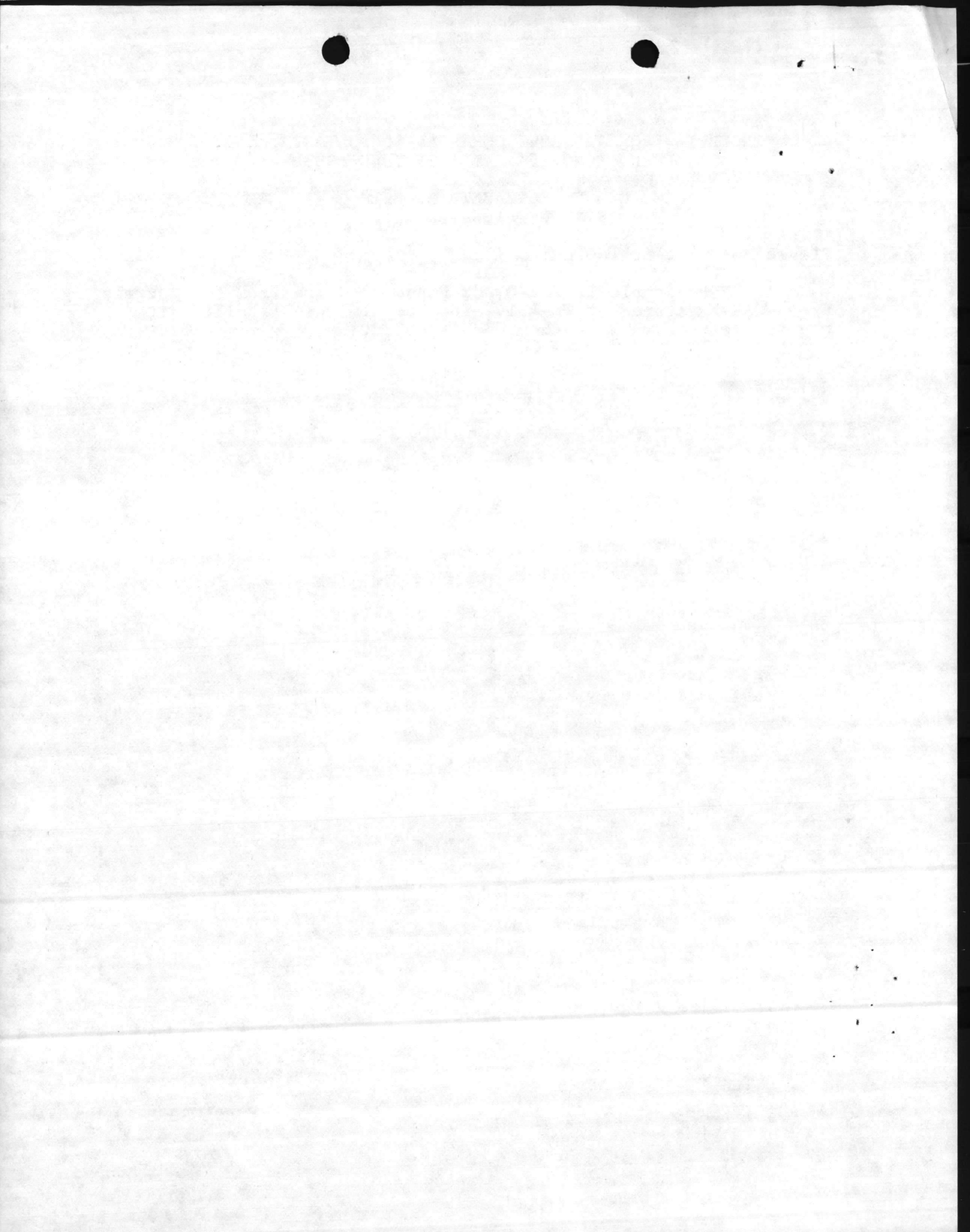
EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INC.
REPORT NO. 54 DATED 28 JUNE 1985

COMPILED BY ELIZABETH A. BETZ
6 AUGUST 1985

Please note the following:

a. Navy sample ID #32-O, 32-P and 32-Q are from the barrels from MCAS-NR stored at TP-451. The barrels were labelled with the sample numbers when they were sampled.

(ENCLOSURE 1)



JTC Environmental Consultants, Inc.

Date 6-28-85 Report No. 54 to Naval Facilities Engineering Command, Norfolk, Virginia

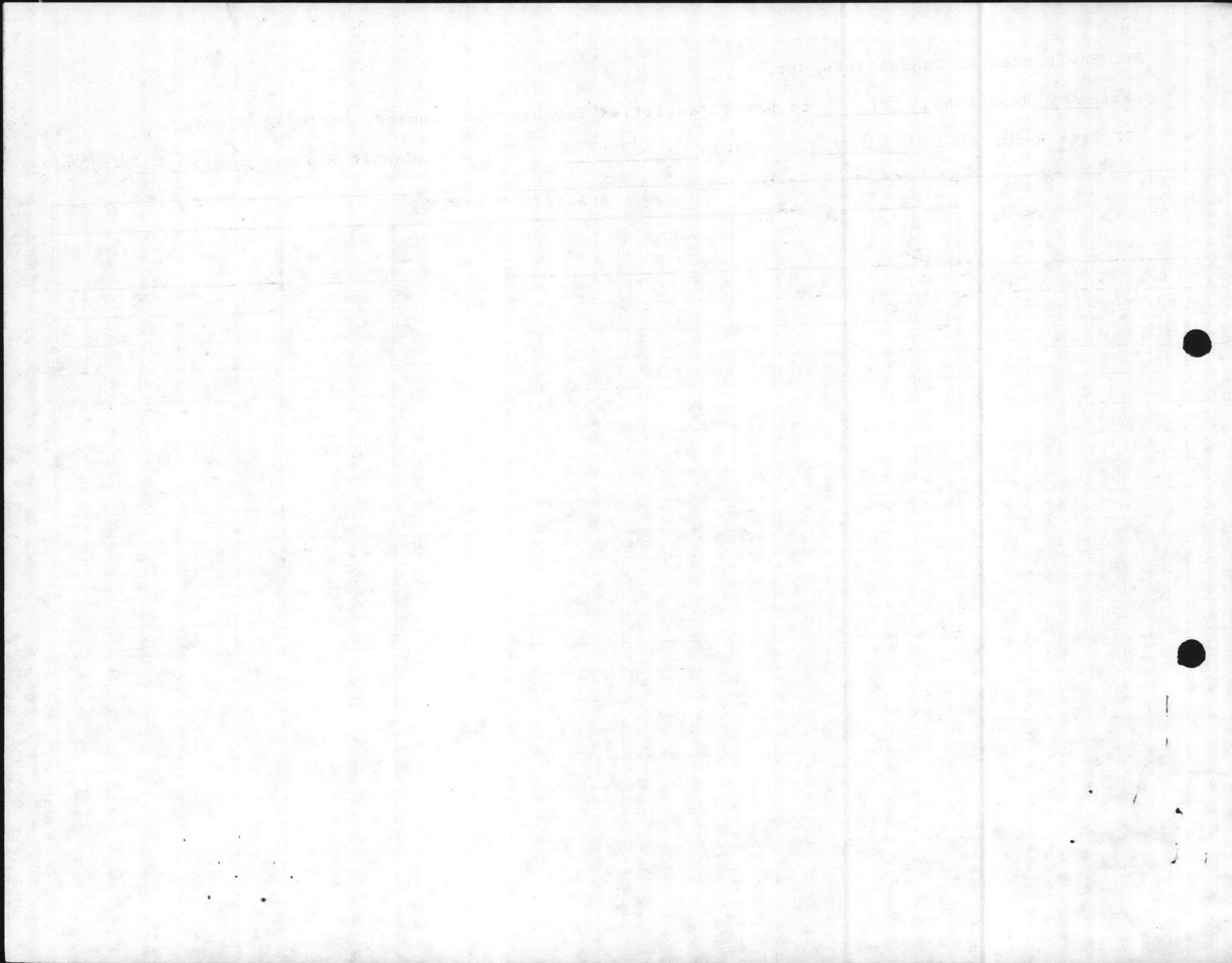
JTC Data Report No. 85-254

Table 5

Date of Sample Receipt 3/28/85 & 5/23/85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As	Ba	Cd	Cr	Pb	Hg	Se	Ag
#23A Bldg HP100	12-0920	<1.0 mg/kg	<20 mg/kg	22.6 mg/kg	1.6 mg/kg	148 mg/kg	0.18 mg/kg	1.5 mg/kg	<1.0 mg/kg
#23B Bldg HP100	12-0921	<1.0 mg/kg	<20 mg/kg	4.8 mg/kg	1.4 mg/kg	0.8 mg/kg	<0.10 mg/kg	2.2 mg/kg	<1.0 mg/kg
#27H Bldg 251	12-0922	<50 ug/L	1170 ug/L	2440 ug/L	65 ug/L	9850 ug/L	<1.0 ug/L	141 ug/L	<50 ug/L
#27I Bldg 251	12-0923	290 ug/L	<1000 ug/L	680 ug/L	13,100 ug/L	3,120 ug/L	<1.0 ug/L	1960 ug/L	<50 ug/L
#28J Landfill	12-0924	2.3 mg/kg	<20 mg/kg	<0.50 mg/kg	2.3 mg/kg	4.5 mg/kg	<0.10 mg/kg	<0.40 mg/kg	<1.0 mg/kg
#28K Landfill	12-0925								
#28L Landfill	12-0926								
#29 Bldg TP457	12-0927	*	*	*	*	*	*	*	*
#30 Bldg TP457	12-0928	<50 ug/L	7800 ug/L	<25 ug/L	<50 ug/L	62.5 ug/L	22 ug/L	<20 ug/L	<50 ug/L
#31 Bldg TP457	12-0929	<50 ug/L	3130 ug/L	<25 ug/L	185 ug/L	21 ug/L	<1.0 ug/L	<20 ug/L	<50 ug/L
#320 Bldg TP451	12-0930	+	+	+	+	+	1925	+	+
#32P Bldg TP451	12-0931	<50 ug/L	1295 ug/L	<25 ug/L	63,600 ug/L	6250 ug/L	3.7 ug/L	<20 ug/L	<50 ug/L
#32Q Bldg TP451	12-0932	<50 ug/L	1535 ug/L	130 ug/L	93,900 ug/L	40,200 ug/L	7.9 ug/L	<20 ug/L	<50 ug/L

* Sample depleted
 + Sample requires redigestion prior to completion of analysis

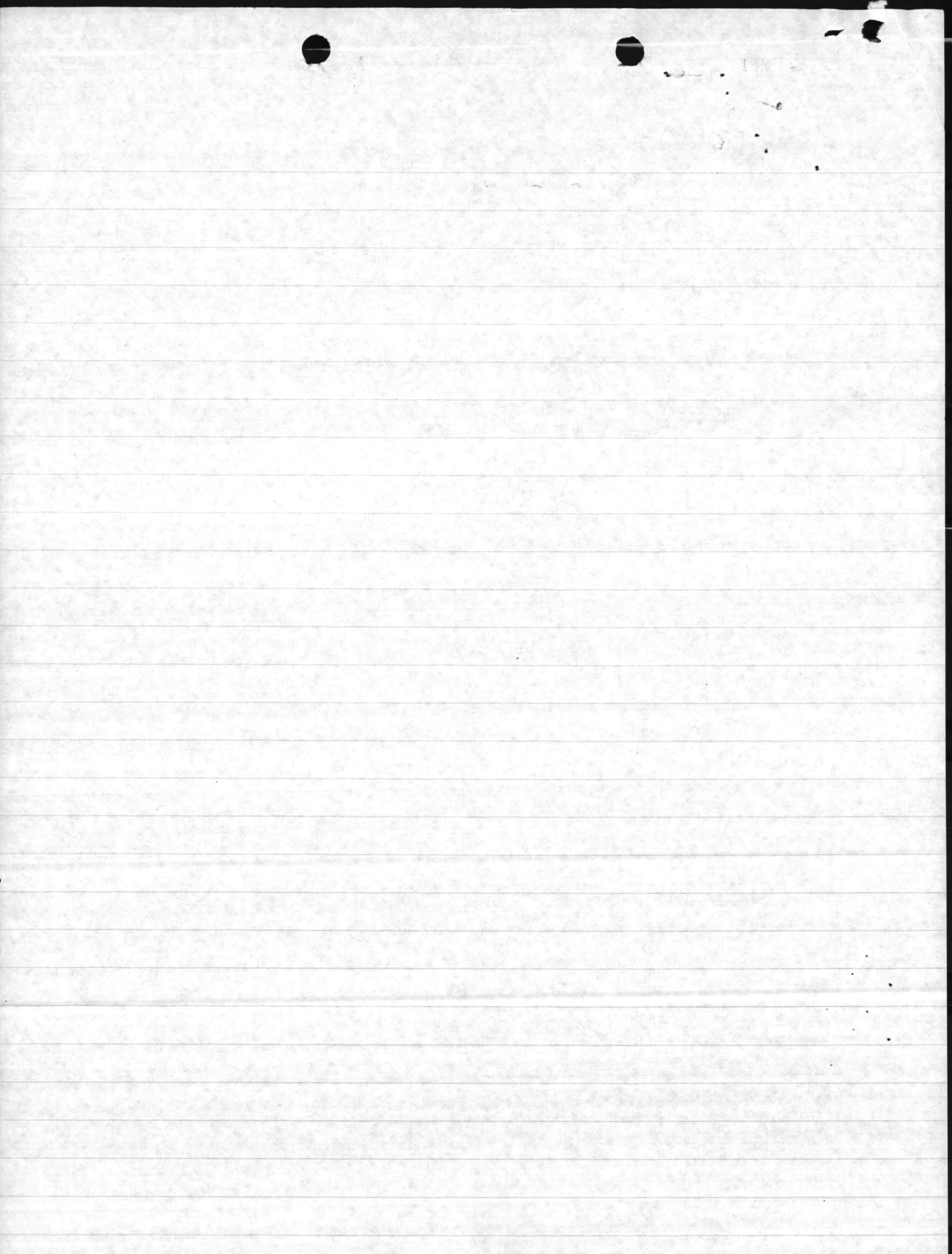


4/2/85

Sampled three 55 gal drums of unknown at
Bld TP 451 (Hazardous waste warehouse) and it
was highly volatile.

Sample # 32-0, 32-P, 32-Q

Henry



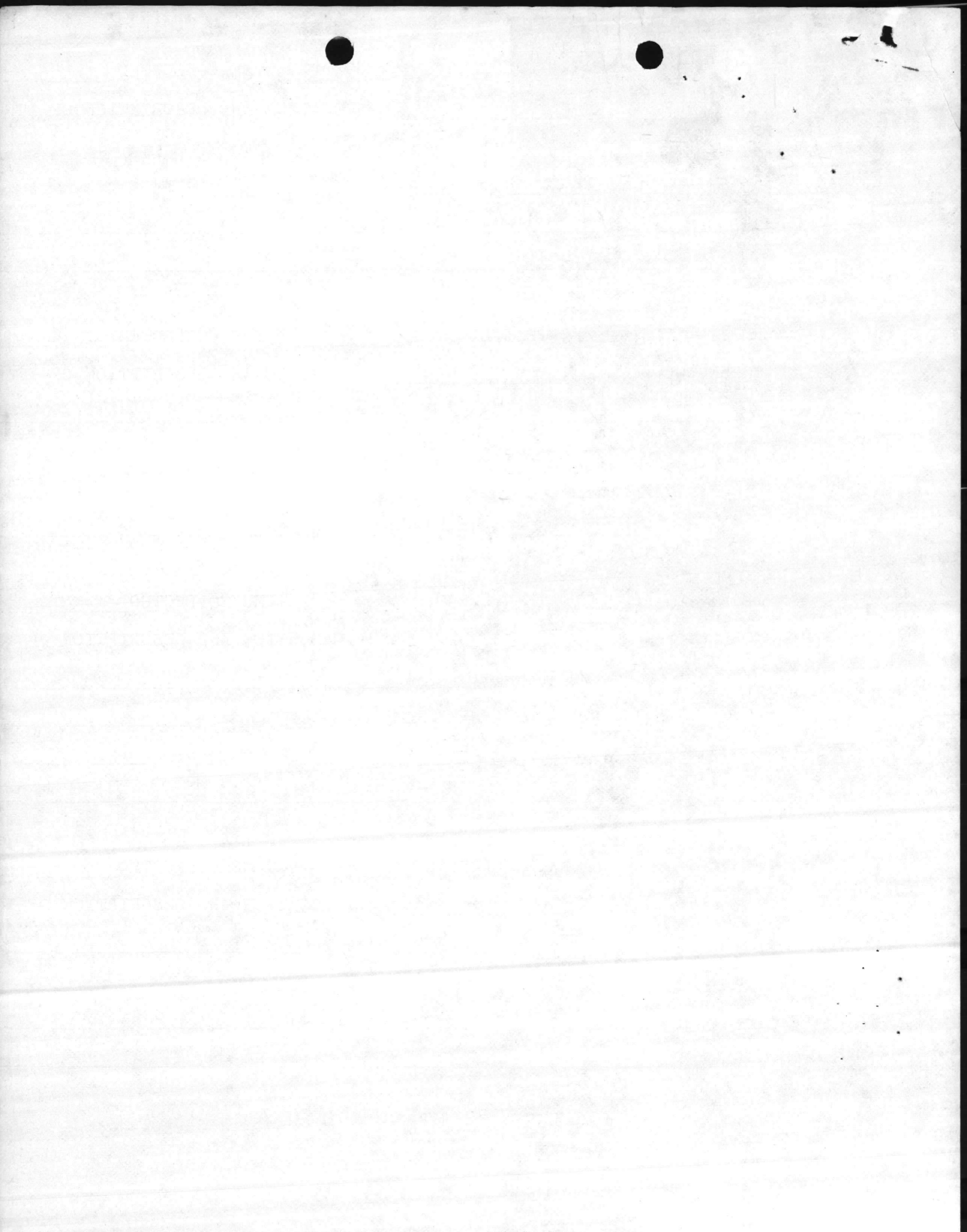
SAMPLE # 32-0 DATE COLLECTED 4/2/85 TIME COLLECTED 0830NAME OF COLLECTOR Honeycutt, Barber LOCATION AND DESCRIPTION OF ITEMSAMPLED Bld TP 451COMMENTS: 55 gal Drum of unknown marked (0) Highly volatile, 1 quartSAMPLE # 32-P DATE COLLECTED 4/2/85 TIME COLLECTED 0840NAME OF COLLECTOR Honeycutt, Barber LOCATION AND DESCRIPTION OF ITEMSAMPLED Bld TP 451COMMENTS: 55 gal Drum of unknown marked (P) Highly volatile, 1 quartSAMPLE # 32-Q DATE COLLECTED 4/2/85 TIME COLLECTED 0850NAME OF COLLECTOR Honeycutt, Barber LOCATION AND DESCRIPTION OF ITEMSAMPLED Bld TP 451COMMENTS: 55 gal Drum of unknown marked (Q) Highly volatile, 1 quart

SAMPLE # _____ DATE COLLECTED _____ TIME COLLECTED _____

NAME OF COLLECTOR _____ LOCATION AND DESCRIPTION OF ITEM

SAMPLED _____

COMMENTS _____



Betsy -

Please Advise

ASAP.

Danny
Shay

**MEMORANDUM
OF CALL**

Previous editions usable

TO:

YOU WERE CALLED BY—

YOU WERE VISITED BY—

OF (Organization)

PLEASE PHONE ►

FTS

AUTOVON

WILL CALL AGAIN

IS WAITING TO SEE YOU

RETURNED YOUR CALL

WISHES AN APPOINTMENT

MESSAGE

RECEIVED BY

DATE

TIME

DEPARTMENT OF THE NAVY

COMMANDER, ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
DEPARTMENT OF THE NAVY
DoD-316



Commanding General
Marine Corps Base
Camp Lejeune, NC 28542

ATTN: Director of Natural Resources
and Environmental Affairs Division

18A 235

ROUTINE REPLY, ENDORSEMENT, TRANSMITTAL OR INFORMATION SHEET

OPNAV 5216/158 (Rev. 7-78)
SN 0107-LF-052-1691

A WINDOW ENVELOPE MAY BE USED
Formerly NAVEXOS 3789

CLASSIFICATION (UNCLASSIFIED when detached from enclosures, unless otherwise indicated)

FROM (Show telephone number in addition to address)

Commander, Atlantic Division, Naval Facilities
Engineering Command Norfolk VA 23511(201)44-9565

DATE

29 March 84

SUBJECT

SERIAL OR FILE NO.

USED Oil Analysis

TO:

Commanding General
MARINE CORPS BASE
CAMP LEJENNE NC. 28542

REFERENCE

ENCLOSURE

(1) CENTEC Analytical
Results Report
19 MARCH 1984 / 228

ATTN: DIRECTOR OF NATURAL RESOURCES
AND ENVIRONMENTAL AFFAIRS Division

VIA:

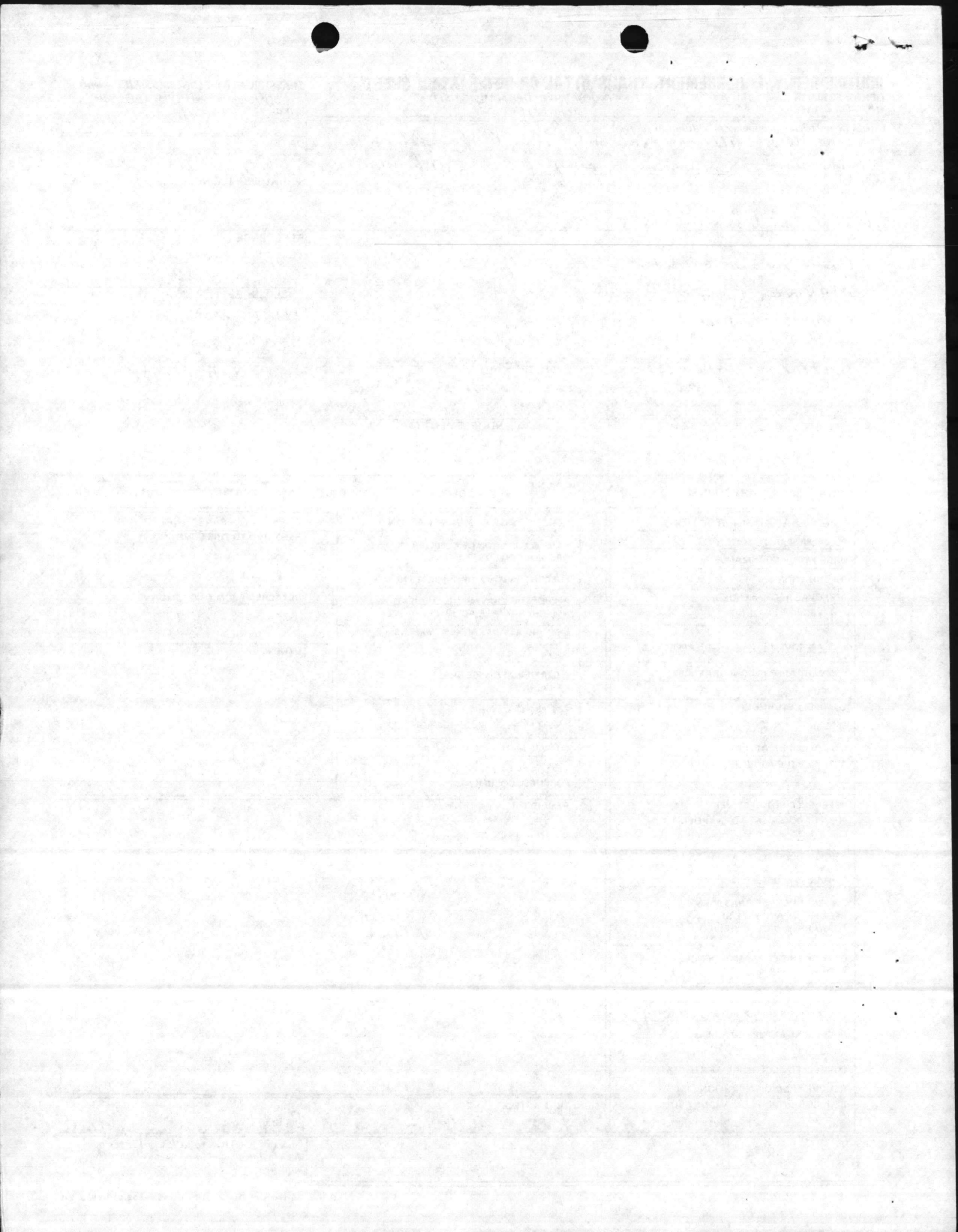
ENDORSEMENT ON

FORWARDED RETURNED FOLLOW-UP, OR TRACER REQUEST SUBMIT CERTIFY MAIL FILE

GENERAL ADMINISTRATION	CONTRACT ADMINISTRATION	PERSONNEL
FOR APPROPRIATE ACTION UNDER YOUR COGNIZANCE	NAME & LOCATION OF SUPPLIER OF SUBJECT ITEMS	REPORTED TO THIS COMMAND:
<input checked="" type="checkbox"/> INFORMATION	SUBCONTRACT NO. OF SUBJECT ITEM	
APPROVAL RECOMMENDED <input type="checkbox"/> YES <input type="checkbox"/> NO	APPROPRIATION SYMBOL, SUBHEAD, AND CHARGEABLE ACTIVITY	DETACHED FROM THIS COMMAND
<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	SHIPPING AT GOVERNMENT EXPENSE <input type="checkbox"/> YES <input type="checkbox"/> NO	OTHER
COMMENT AND/OR CONCURRENCE	A CERTIFICATE, VICE BILL OF LADING	
CONCUR	COPIES OF CHANGE ORDERS, AMENDMENT OR MODIFICATION	
LOANED, RETURN BY:	CHANGE NOTICE TO SUPPLIER	
SIGN RECEIPT & RETURN	STATUS OF MATERIAL ON PURCHASE DOCUMENT	
REPLY TO THE ABOVE BY:		
REFERENCE NOT RECEIVED	REMARKS (Continue on reverse)	
SUBJECT DOCUMENT FORWARDED TO:		
SUBJECT DOCUMENT RETURNED FOR:		
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<i>Steven A. Olson Environmental Protection Specialist</i>		

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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 23511

Re: Used Oil Analysis
CAS Commission No. 6094

REPORT DATE/NUMBER: 19 March 1984/228

SAMPLES COLLECTED: 16 December 1983: 1000

BY: Navy personnel

SAMPLES RECEIVED IN LAB: 30 December 1983: 1230

ANALYSIS FOR: Silver (Ag), Arsenic (As), Barium (Ba), Cadmium (Cd), Chromium (Cr), Mercury (Hg), Lead (Pb), and Selenium (Se) by EP Extraction

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

CAS No.: 34391 - Description: Composite of CAS No. 33250 - 33254; MCB Camp LeJeune Right Vat MCBCL #1

PARAMETER	RESULTS
Ag/EP (mg/l)	< 0.10
As/EP (mg/l)	< 0.100
Ba/EP (mg/l)	1.00
Cd/EP (mg/l)	0.40
Cr/EP (mg/l)	77.0
Hg/EP (mg/l)	< 0.100
Pb/EP (mg/l)	3.30
Se/EP (mg/l)	< 0.100

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

Prepared by:

CEN TEC ANALYTICAL SERVICES

David F. Tompkins
Chemist

DFT/mls

1110 WESTERN DRIVE
SPOKANE, IDAHO 83402
(208) 325-2200

CONTECH ANALYTICAL SERVICES INC
A CORPORATION OF THE STATE OF IDAHO



ANALYTICAL RESULTS REPORT

55% CO
Troya
Bord
TON FIBER

From the desk of ...

STEVE BREWER

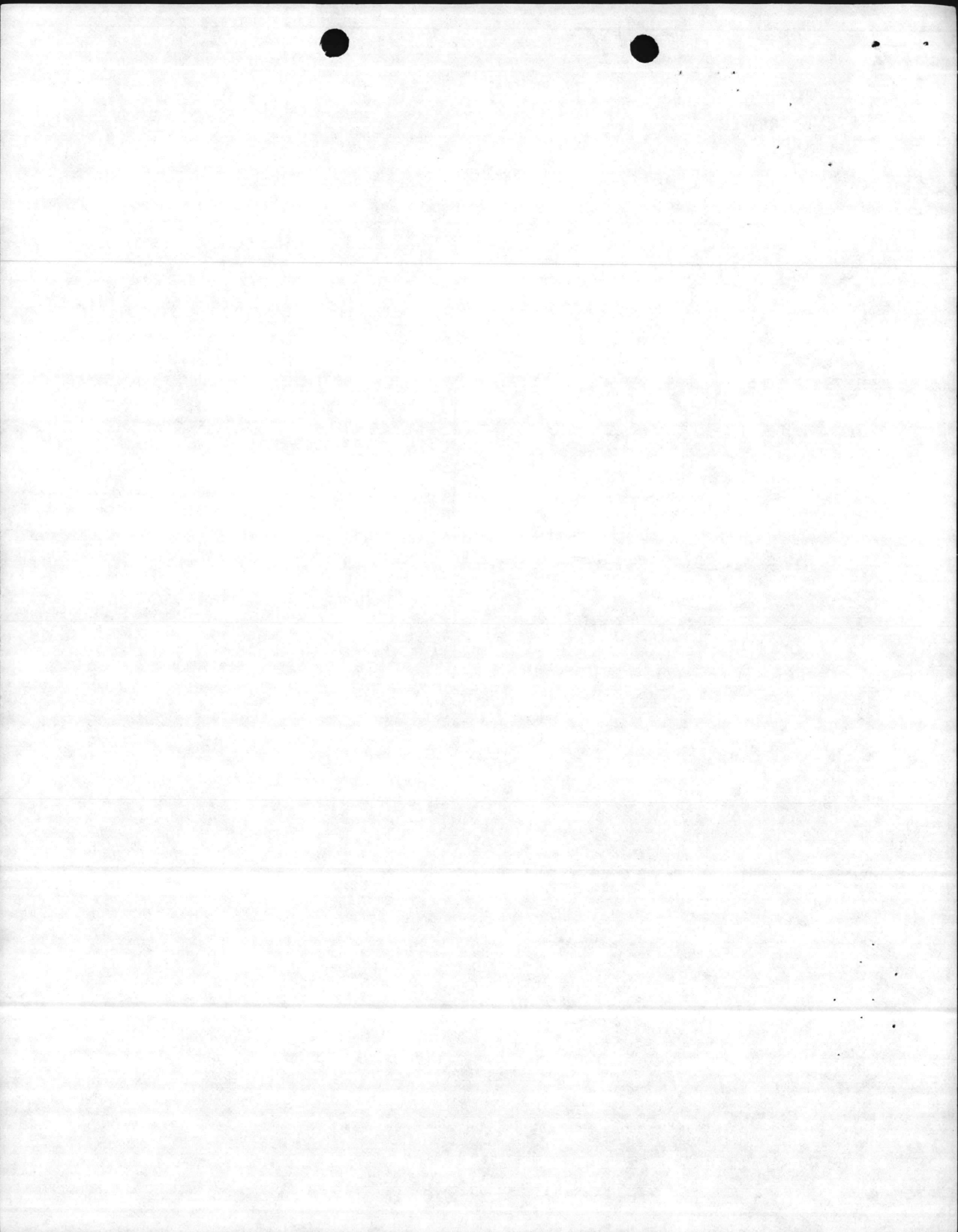
1 Feb 84

Danny Sharp

Here are results of
PCB analyses done
for MCB.

To Danny

Steve B





— ANALYTICAL RESULTS REPORT —

Mr. David Goodwin
Atlantic Division Code 1143
Naval Facilities Engineering Command
Norfolk, VA 23511

Re: Oil Analysis
CAS Commission No. 6094

REPORT DATE/NUMBER: 20 January 1984/203

SAMPLES COLLECTED: 5 January 1984

BY: Navy personnel

SAMPLES RECEIVED IN LAB: 11 January 1984: 1300

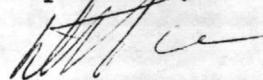
ANALYSIS FOR: Polychlorinated Biphenyls (PCBs)

METHOD OF ANALYSIS: Liquid-Liquid Extraction, Electron
Capture Gas Chromatography;
EPA-600/4-81-045

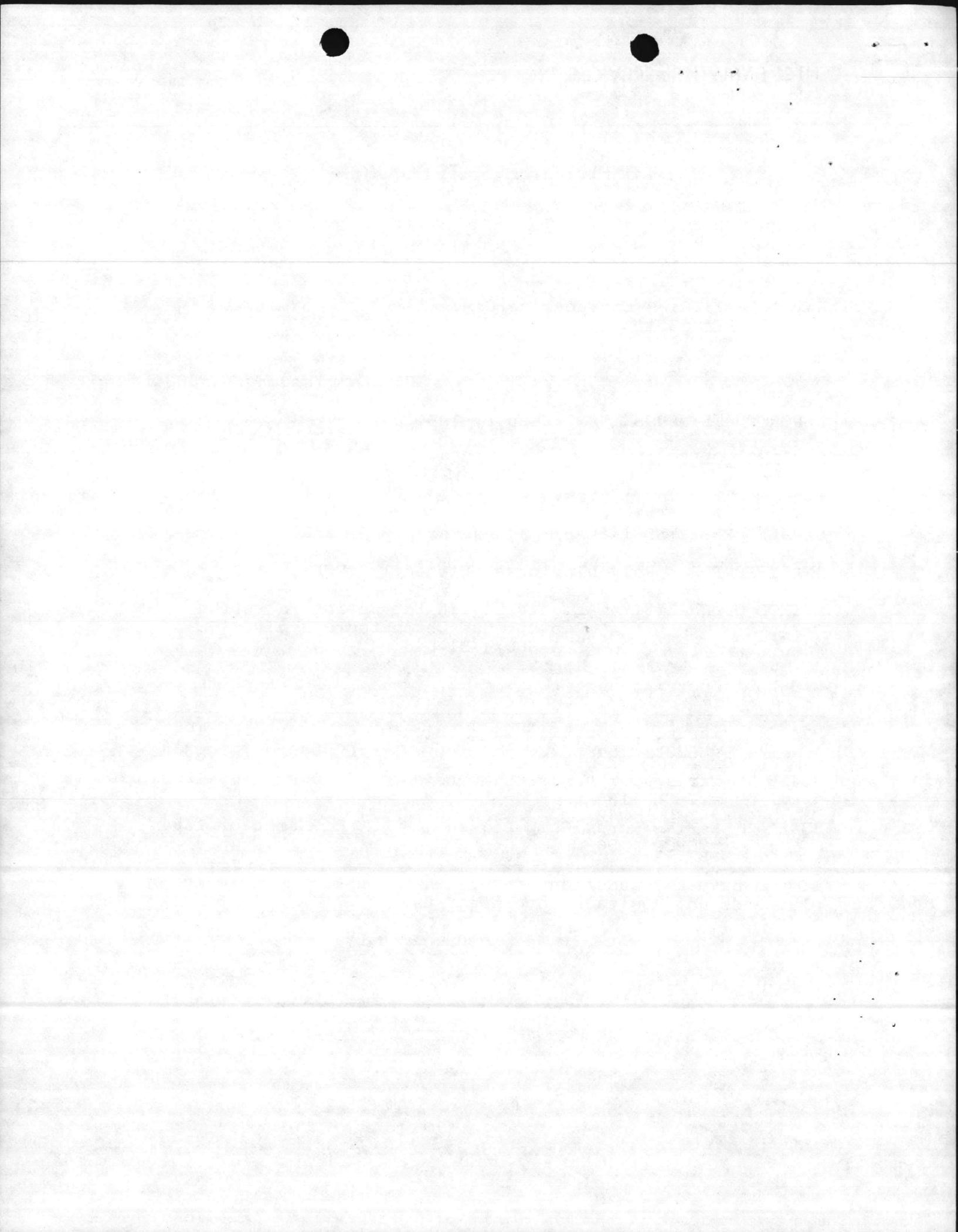
CAS No.	Description	PCB Results ($\mu\text{g/g}$)
33485	Marine Corps Base Camp Lejeune #MCBCL 1154	4100 Aroclor 1242 450000 Aroclor 1260
33486	Marine Corps Base Camp Lejeune #MCBCL 1155	45 Aroclor 1260
33487	Marine Corps Camp Lejuene #MCBCL 1156	12 Aroclor 1254

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

Prepared by:


David F. Tompkins
Chemist

DFT/mls





— ANALYTICAL RESULTS REPORT —

Mr. David Goodwin
Atlantic Division Code 1143
Naval Facilities Engineering Command
Norfolk, VA 23511

Re: Used Oil Analysis
CAS Commission No. 6094

REPORT DATE/NUMBER: 18 January 1984/202

SAMPLES COLLECTED: 16 December 1983

BY: Navy personnel

SAMPLES RECEIVED IN LAB: 30 December 1983: 1215

ANALYSIS FOR: Ignitability and Polychlorinated Biphenyls
(PCBs)

METHOD OF ANALYSIS: EPA SW-846, Test Methods for Evaluating
Solids Waste, May 1980; Liquid-Liquid
Extraction, Electron Capture Gas
Chromatography; EPA-600/4-81-045

The results are shown on the following page.

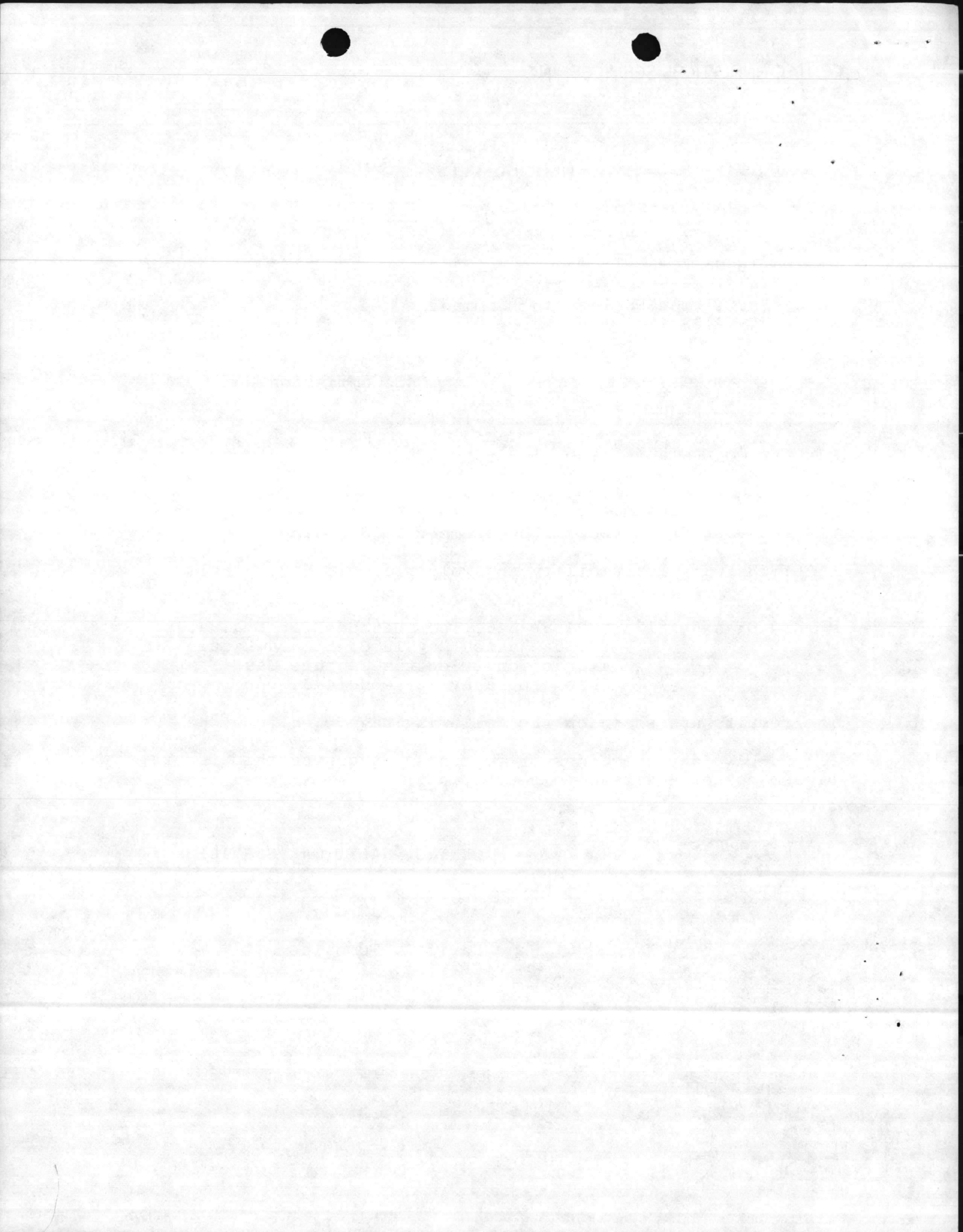
If you have any questions or comments concerning this report,
please do not hesitate to contact us.

Prepared by:

CENTEC ANALYTICAL SERVICES

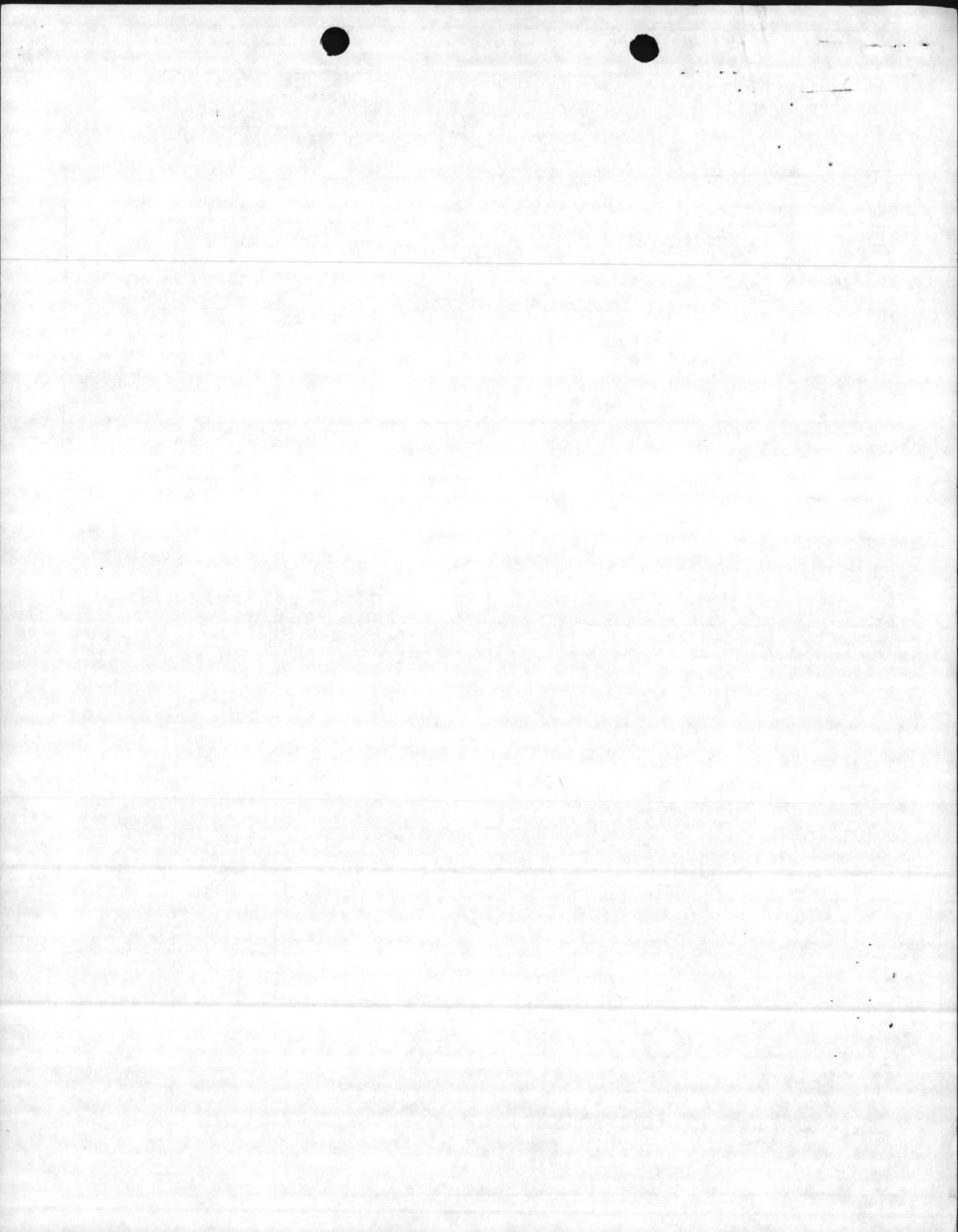
David F. Tompkins
Chemist

DFT/mls



AROCLOR

CAS No.	Description	Serial No.	Answers (ug/g-ppm)		
			1242	1254	1260
33250	MCB Camp LeJeune Right Vat MCBCL #1		<1 NT	<1 NT	<1 NT
33251	MCBCL #2 Middle Vat		<1 NT	<1 NT	<1 NT
33252	MCBCL #3	} Air Station Barrels	<1 NT	<1 NT	<1 NT
33253	MCBCL #4		<1 NT	<1 NT	<1 NT
33254	MCBCL #5		<1 NT	<1 NT	<1 NT
CAS No.			Ignitability (°F)		
33250			>170		
33251			>170		
33252	} AIR STATION BARRELS		80		
33253			80		
33254			100		



DATE: 16 DEC 1983

MCBCL.

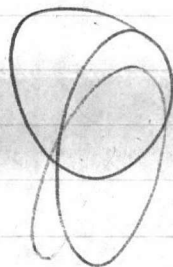
- #1 RIGHT VAT - MOSTLY OIL, SOME SOLVENT, POSSIBLY
PAINT THINNER IN BOTTOM
- #2 MIDDLE VAT - MOSTLY WATER, CLEAR TO BOTTOM, RUSTLY
POSSIBLY ACIDIC, OR BASIC

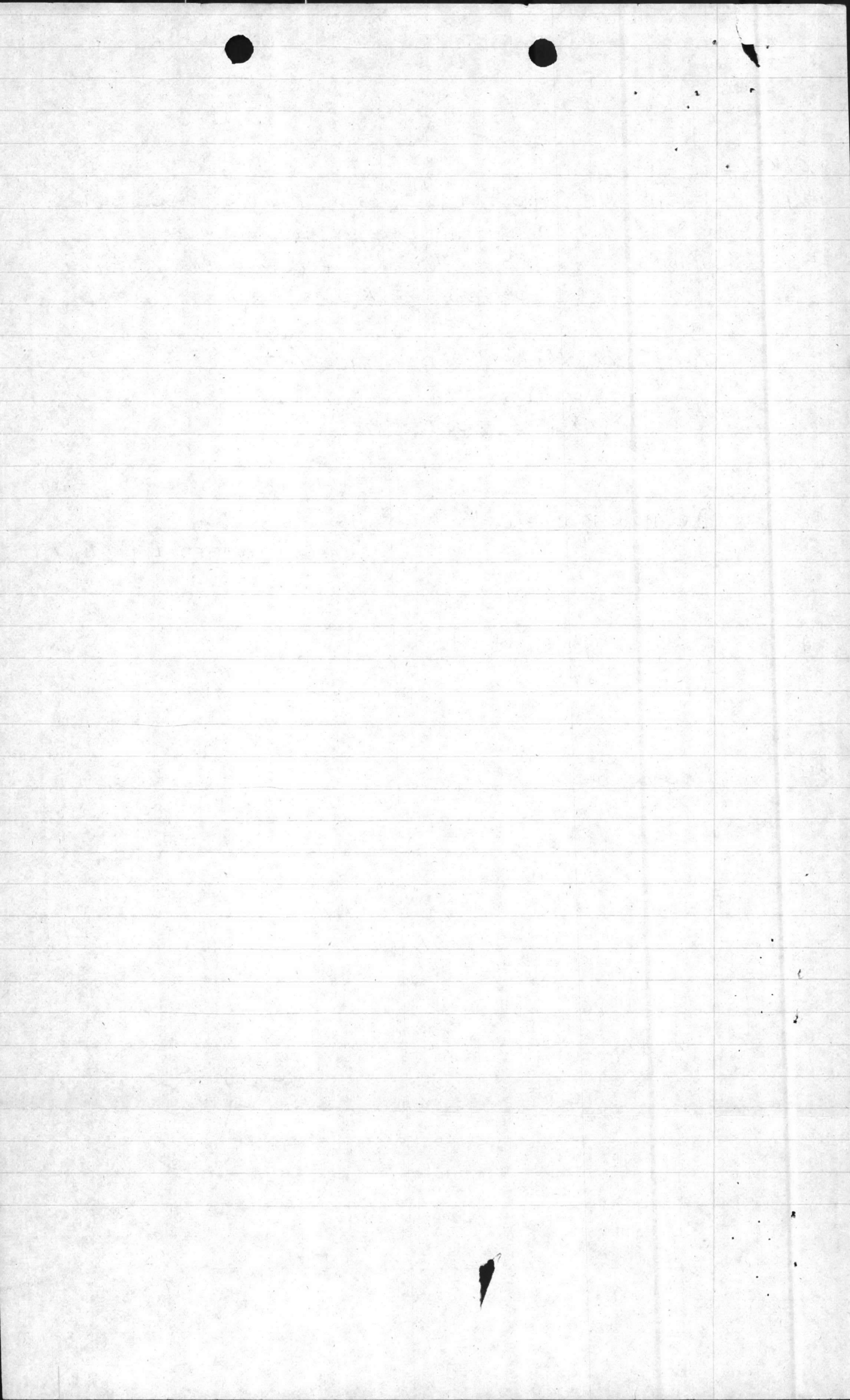
KEN JOLLY, LOPL WORD, ELIZABETH BETZ
OF PPT
BUDG 909 STEAM ROOM.

- #3 OVERPACK BARREL # I @ Lot SAS-868
HAZARDOUS WASTES Lot @ MCAS(A)

#4 OVERPACK BARREL # II

#5 OVERPACK BARREL # III





From the desk of...

STEVE BREWER

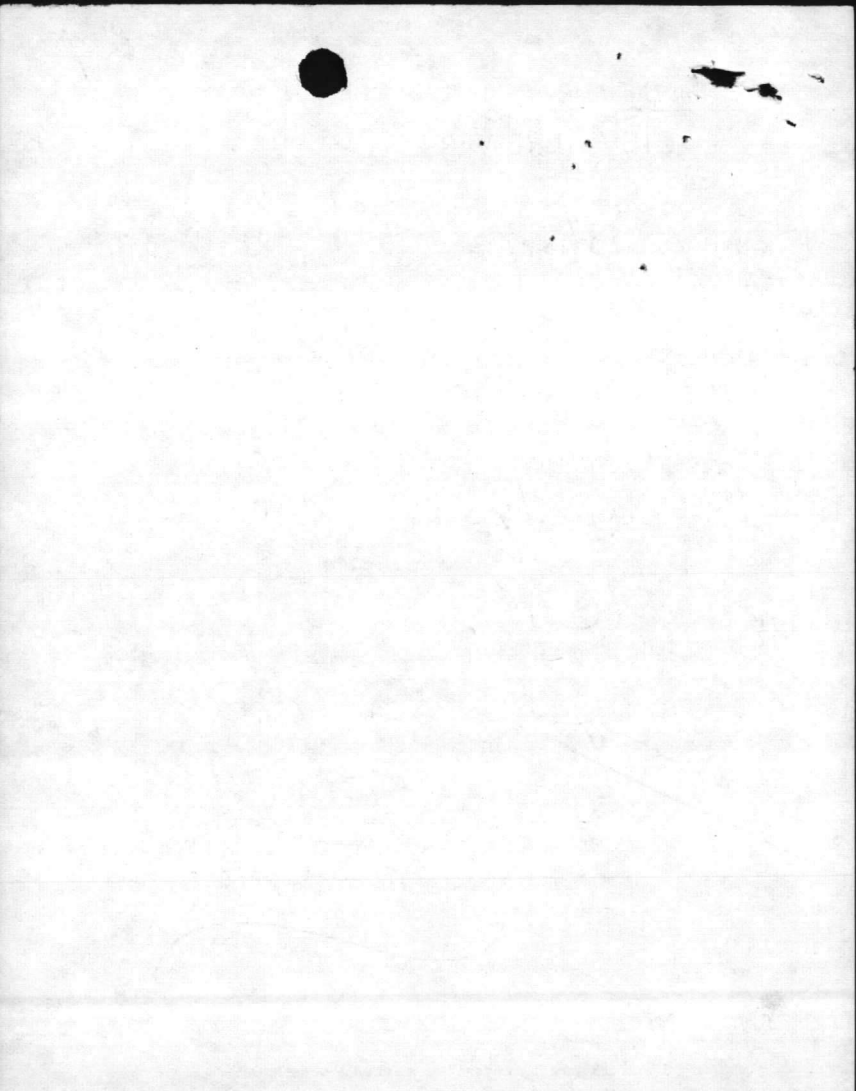
Feb 84

Danny Sharp

Here are results of
PCB analyses done
for MCB.

~~TO Danny~~

Steve B





— ANALYTICAL RESULTS REPORT —

Mr. David Goodwin
Atlantic Division Code 1143
Naval Facilities Engineering Command
Norfolk, VA 23511

Re: Oil Analysis
CAS Commission No. 6094

REPORT DATE/NUMBER: 20 January 1984/203

SAMPLES COLLECTED: 5 January 1984

BY: Navy personnel

SAMPLES RECEIVED IN LAB: 11 January 1984: 1300

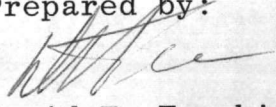
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METHOD OF ANALYSIS: Liquid-Liquid Extraction, Electron
Capture Gas Chromatography;
EPA-600/4-81-045

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33486	Marine Corps Base Camp Lejeune #MCBCL 1155	45 Aroclor 1260
33487	Marine Corps Camp Lejuene #MCBCL 1156	12 Aroclor 1254

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

Prepared by:


David F. Tompkins
Chemist

DFT/mls

1001 1st St. S.
Salem, Oregon 97302
503-325-1100

CENTEC ANALYTICAL SERVICES, INC.
A MEMBER OF THE CENTEC GROUP

ANALYTICAL RESULTS REPORT

E-AB

E-A

Tropican

Bond

25% COT

ON FIBER



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

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Naval Facilities Engineering Command
Norfolk, VA 23511

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CAS Commission No. 6094

REPORT DATE/NUMBER: 18 January 1984/202

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BY: Navy personnel

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ANALYSIS FOR: Ignitability and Polychlorinated Biphenyls
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METHOD OF ANALYSIS: EPA SW-846, Test Methods for Evaluating
Solids Waste, May 1980; Liquid-Liquid
Extraction, Electron Capture Gas
Chromatography; EPA-600/4-81-045

The results are shown on the following page.

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Prepared by:

CENTEC ANALYTICAL SERVICES

David F. Tompkins
Chemist

DFT/mls

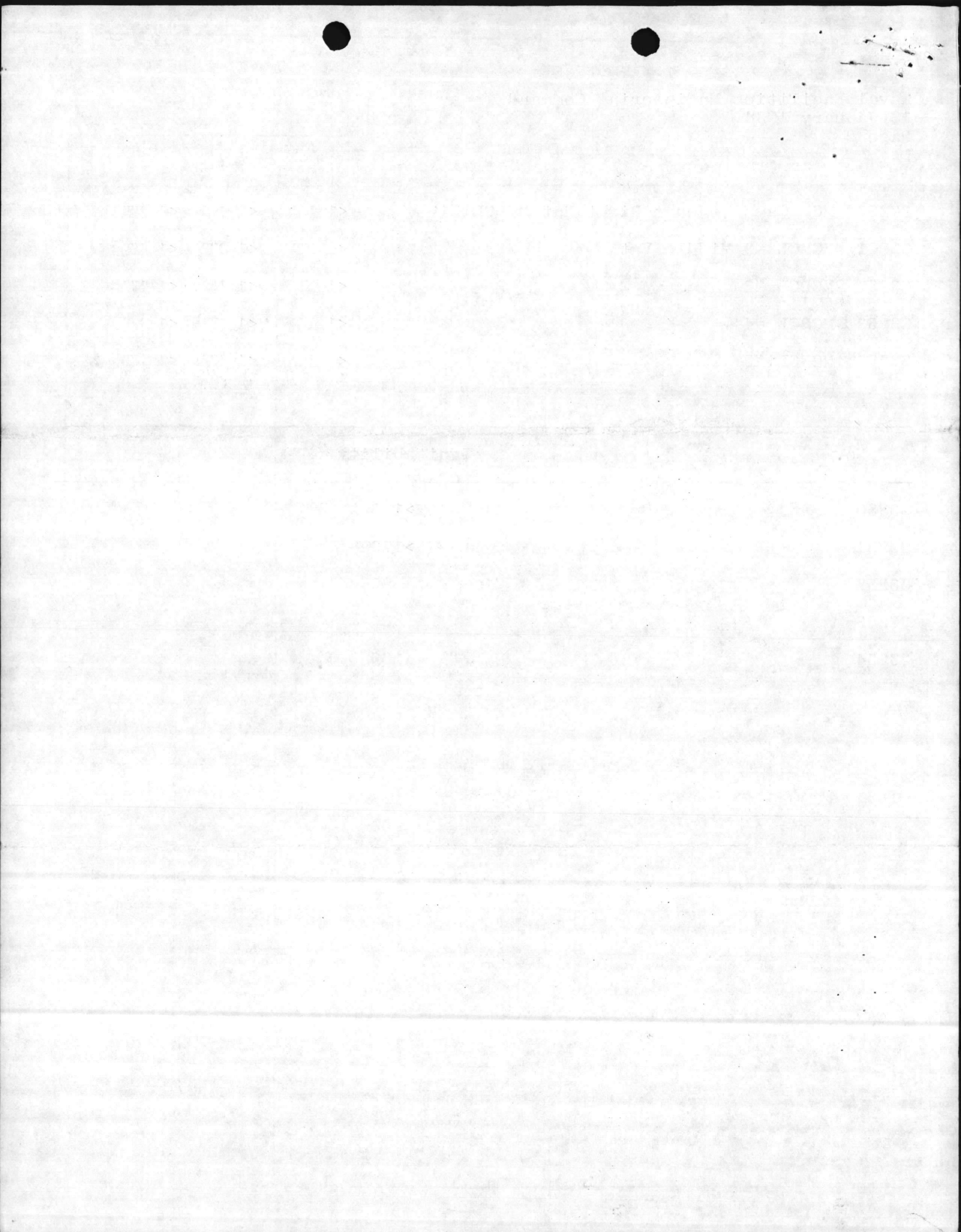


ANALYTICAL RESULTS REPORT

1-A
Bond
DAHLBER
55% COT
Tropar
EVAL

AROCLOR

CAS No.	Description	Serial No.	Answers ($\mu\text{g/g-ppm}$)		
			1242	1254	1260
33250	MCB Camp LeJeune Right Vat MCBCL #1		<1 NT	<1 NT	<1 NT
33251	MCBCL #2 Middle Vat		<1 NT	<1 NT	<1 NT
33252	MCBCL #3		<1 NT	<1 NT	<1 NT
33253	MCBCL #4		<1 NT	<1 NT	<1 NT
33254	MCBCL #5		<1 NT	<1 NT	<1 NT
CAS No.	Ignitability ($^{\circ}\text{F}$)				
33250		>170			
33251		>170			
33252		80			
33253		80			
33254		100			



From the desk of ...

STEVE BREWER

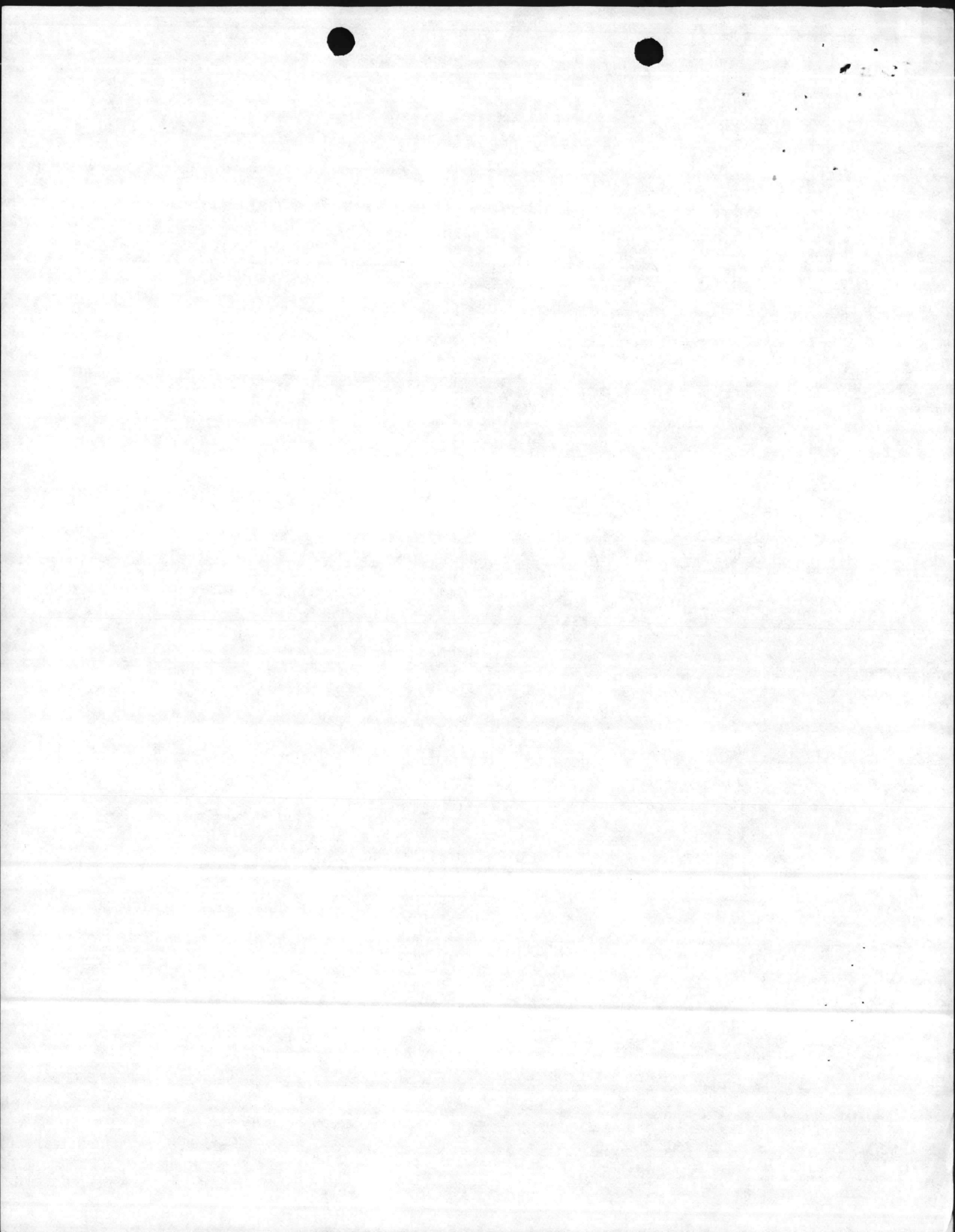
1 Feb 84

Danny Sharp

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To Danny

Steve B





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Atlantic Division Code 1143
Naval Facilities Engineering Command
Norfolk, VA 23511

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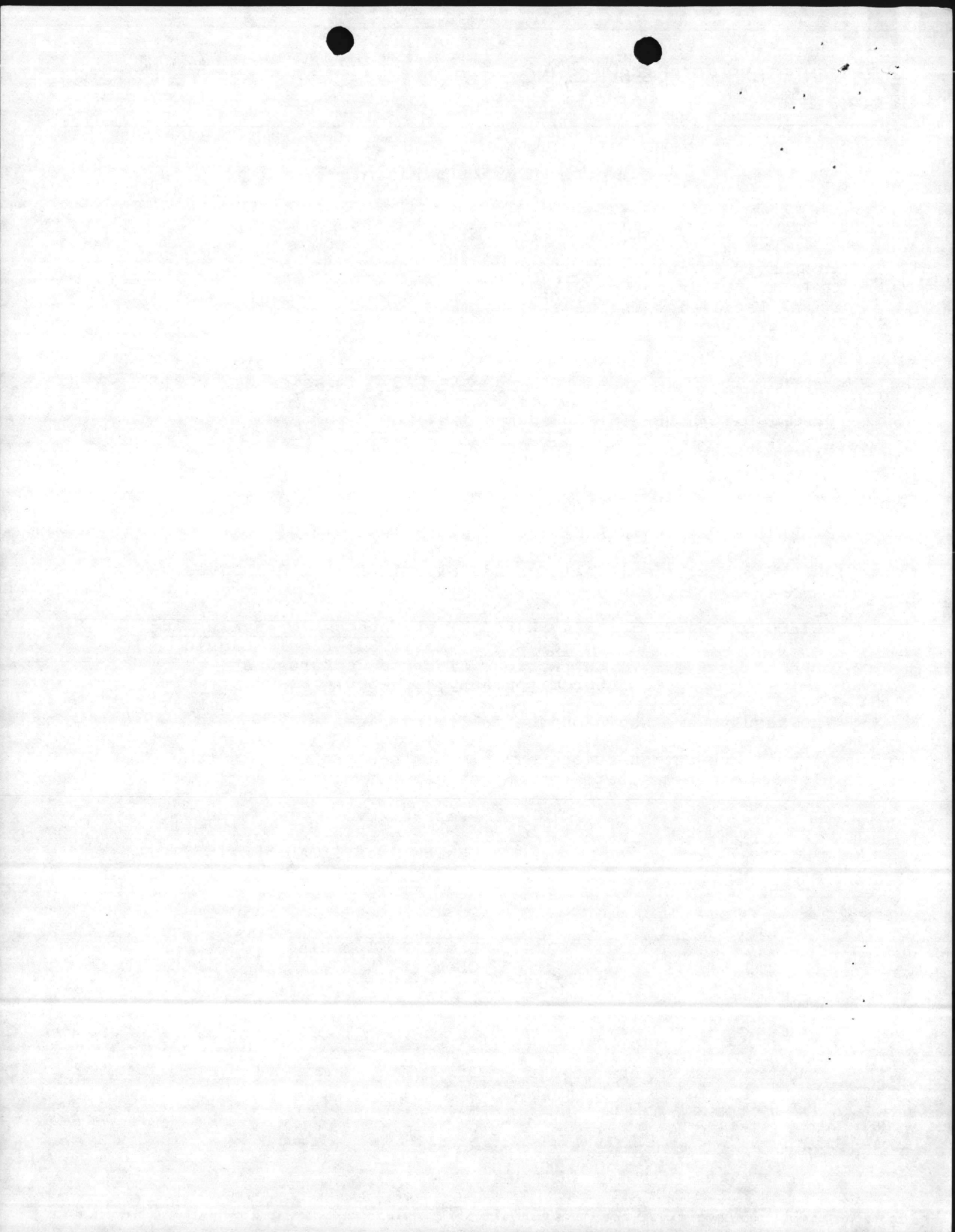
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Prepared by:

CENTEC ANALYTICAL SERVICES

David F. Tompkins
Chemist

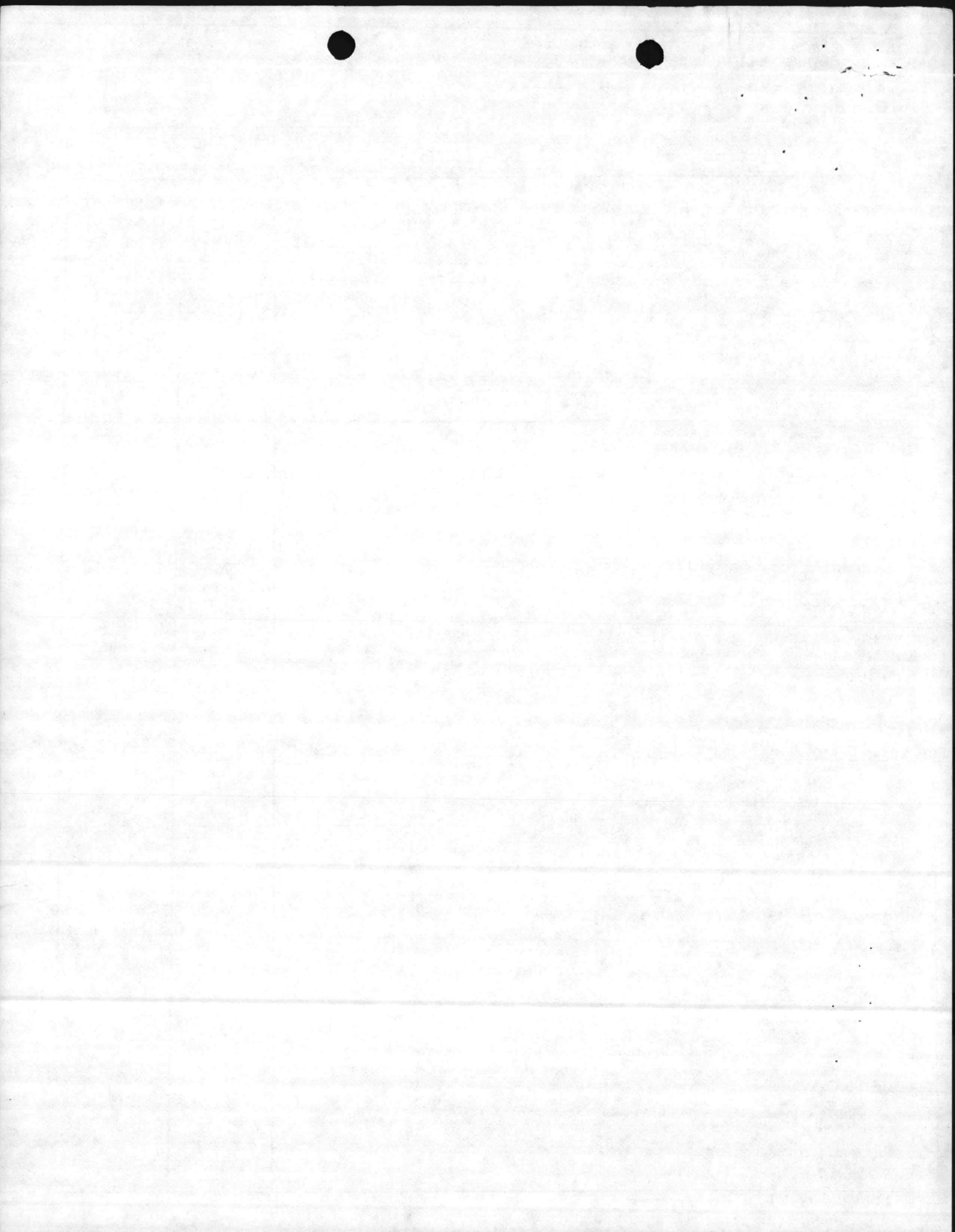
DFT/mls



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33251	MCBCL #2	Middle Vat	<1 NT	<1 NT	<1 NT
33252	MCBCL #3		<1 NT	<1 NT	<1 NT
33253	MCBCL #4		<1 NT	<1 NT	<1 NT
33254	MCBCL #5		<1 NT	<1 NT	<1 NT

CAS No.	Ignitability ($^{\circ}\text{F}$)
33250	>170
33251	>170
33252	80
33253	80
33254	100



From the desk of ...

STEVE BREWER

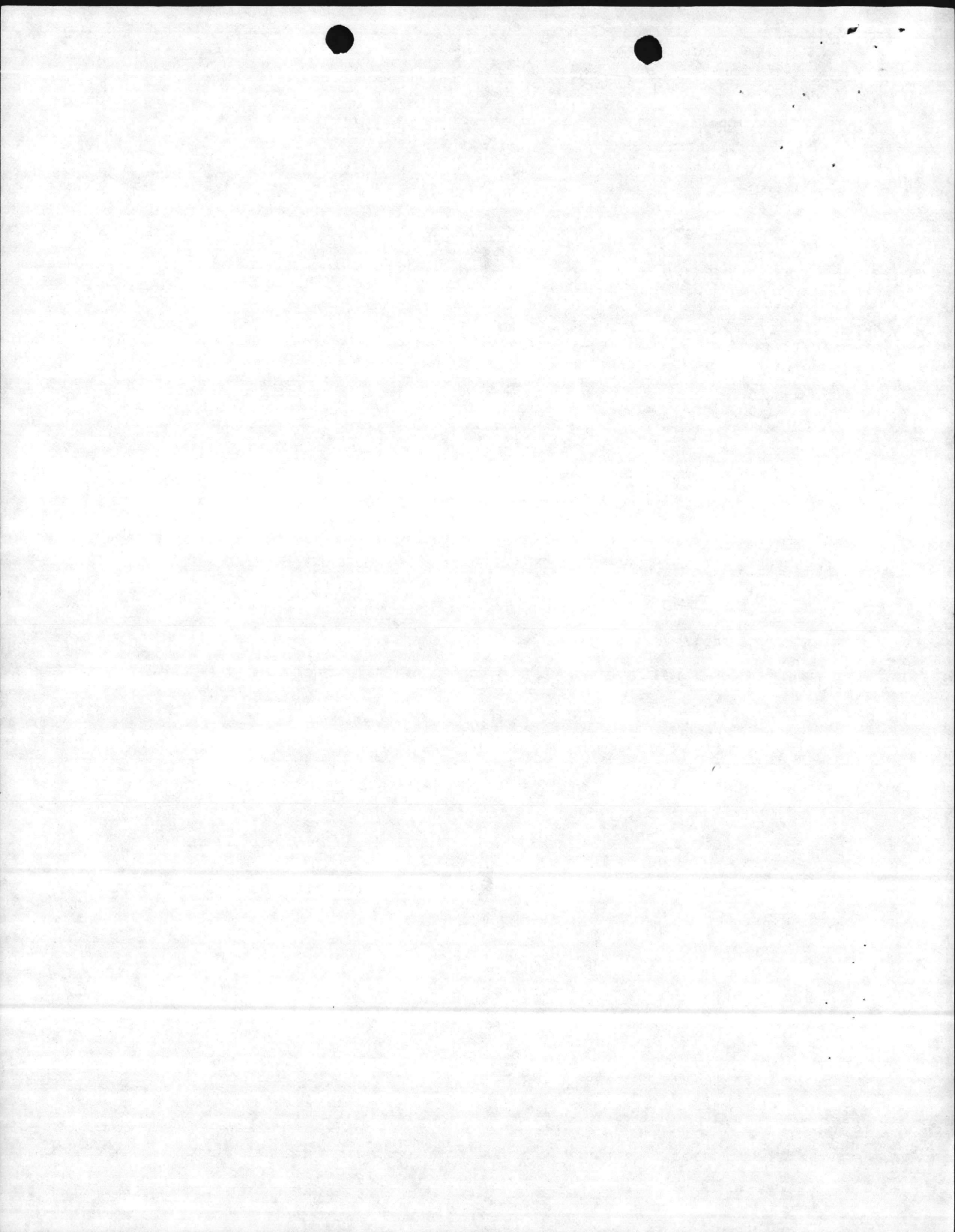
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Mr. David Goodwin
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Naval Facilities Engineering Command
Norfolk, VA 23511

Re: Oil Analysis
CAS Commission No. 6094

REPORT DATE/NUMBER: 20 January 1984/203

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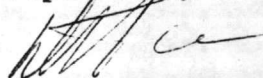
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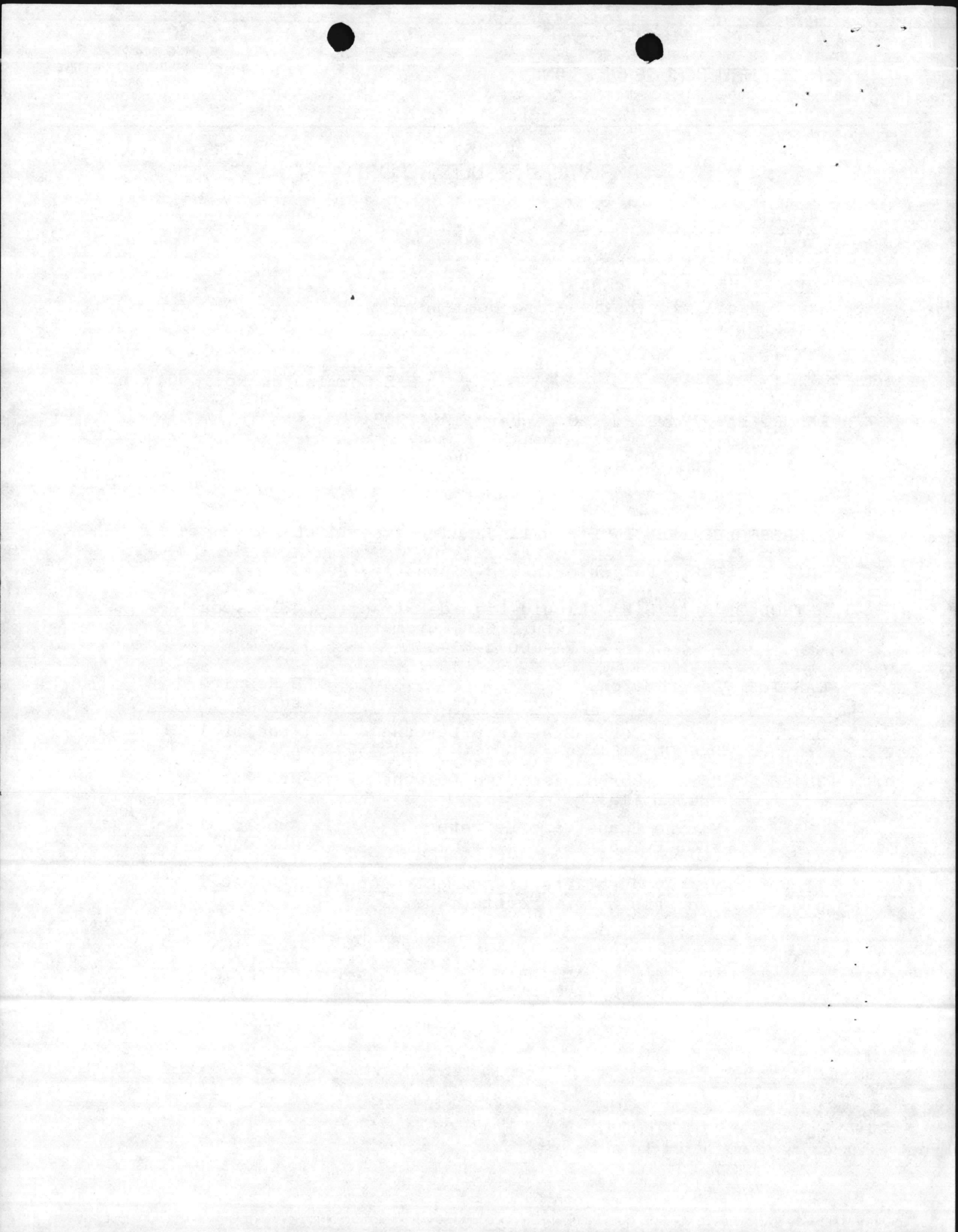
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If you have any questions or comments concerning this report,
please do not hesitate to contact us.

Prepared by:


David F. Tompkins
Chemist

DFT/mls





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

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

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The results are shown on the following page.

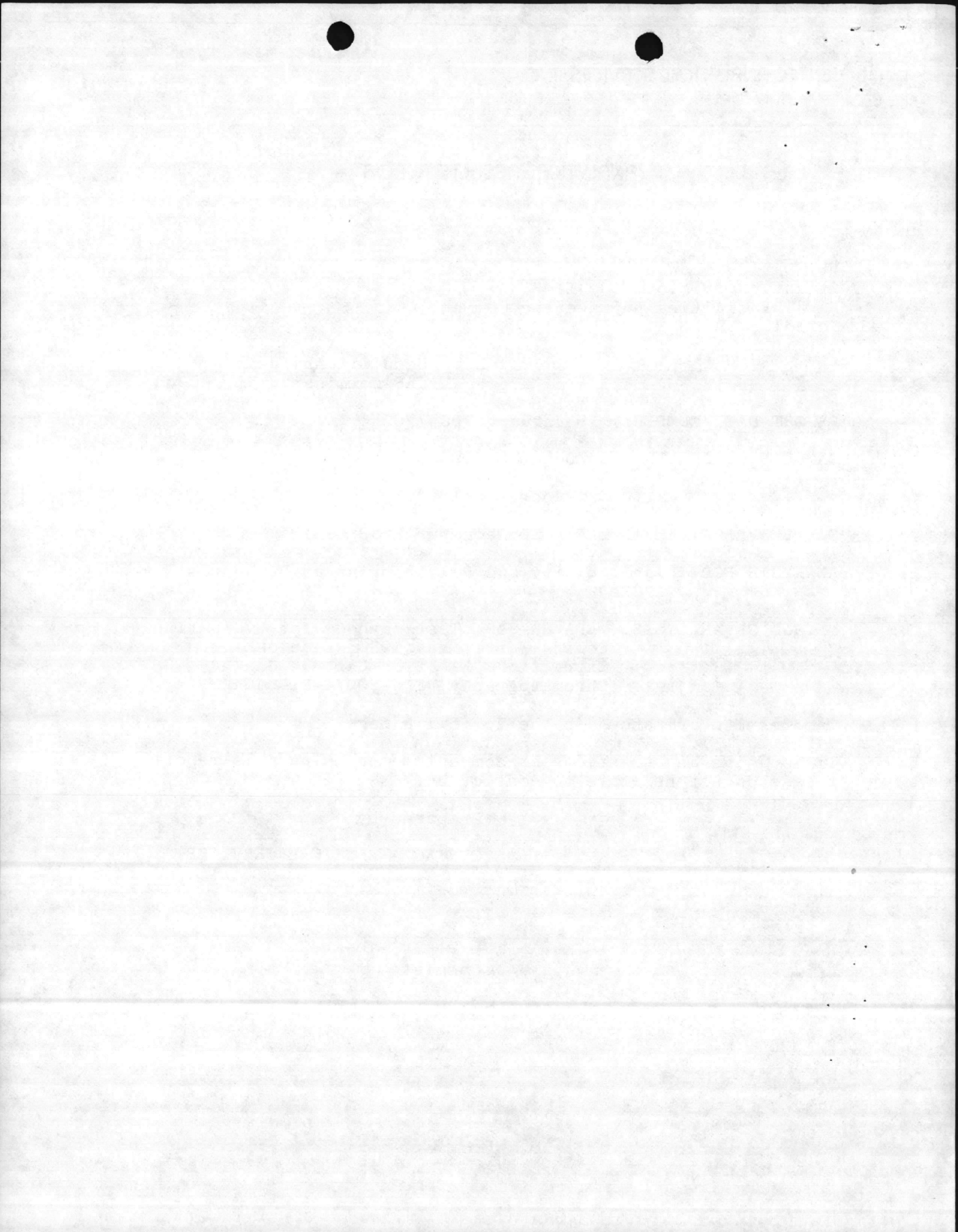
If you have any questions or comments concerning this report,
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Prepared by:

CENTEC ANALYTICAL SERVICES

David F. Tompkins
Chemist

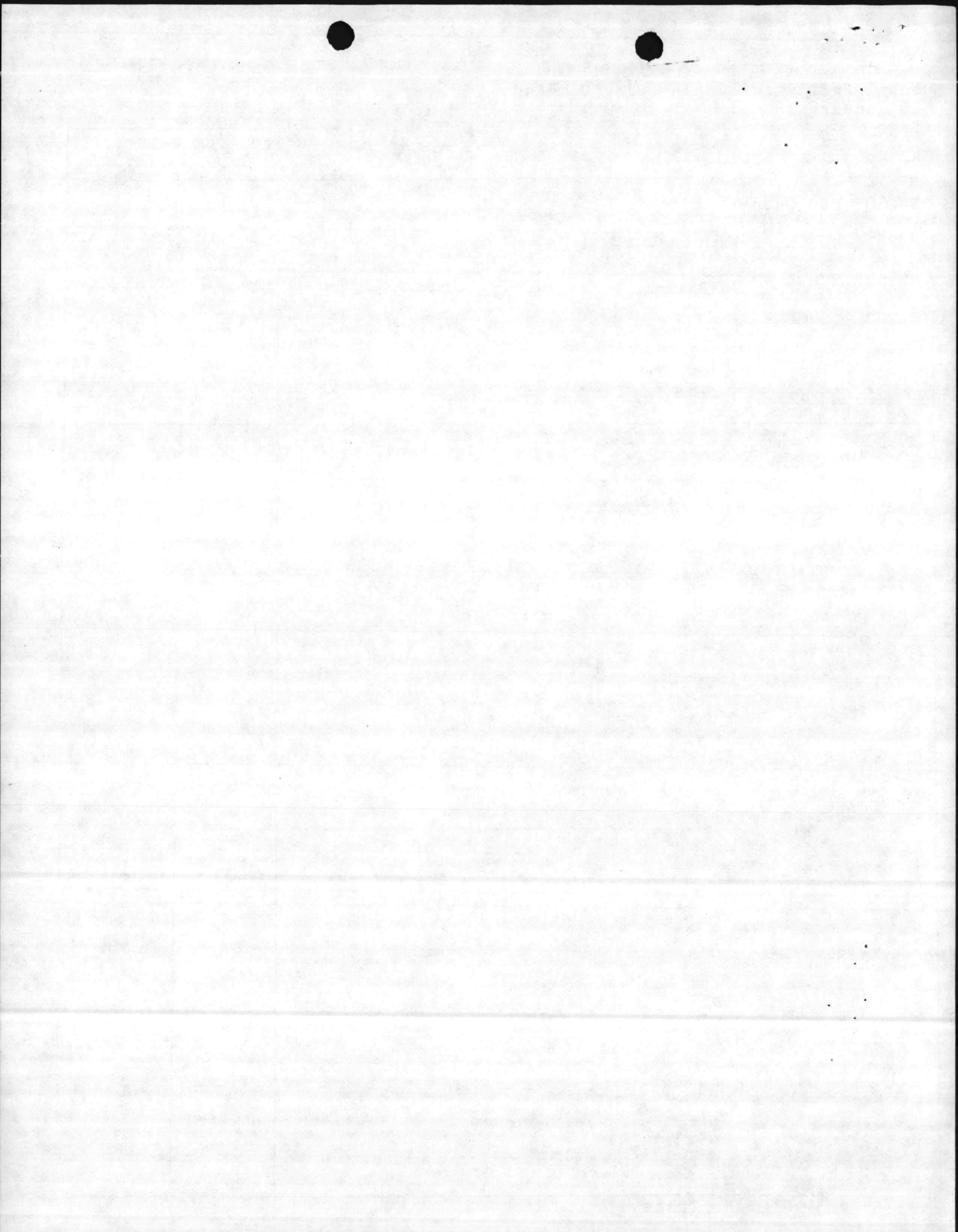
DFT/mls



AROCLOR

CAS No.	Description	Serial No.	Answers ($\mu\text{g/g-ppm}$)		
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33253	MCBCL #4		<1 NT	<1 NT	<1 NT
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CAS No.	Ignitability ($^{\circ}\text{F}$)				
33250	>170				
33251	>170				
33252	80				
33253	80				
33254	100				

T = Trace NT = No Trace



NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
Marine Corps Base
Camp Lejeune, North Carolina 28542

NREAD/DDS/th
5000
19 Dec 1983

From: Director
To: Traffic Management Officer

Subj: Transportation of Laboratory Samples; request for

1. Request shipment of one carton containing five used oil samples to LANTDIV-Naval Facility Engineering Command, Code 114, Bldg N-23, Norfolk Naval Base, 23511 (Attn: Dave Goodwin) (AUTOVON 564-9561).

C D Peterson
C. D. PETERSON
Acting

SHIPMENT RECORD
FURTHER REFERENCE TO THIS SHIPMENT MUST QUOTE
THE TRANSPORTATION CONTROL NUMBER (TCN) WHICH
IS:

TCN: M31000 3353 0295 XXX

Paul Hagon 12-20-83

3


SHIPMENT RECORD
FURTHER REFERENCE TO THIS SHIPMENT MUST QUO
THE TRANSPORTATION COSTS BE PAID BY THE

W
150

TO: PRESERVATION, PACKAGING AND PACKING BRANCH, MOWASP DIV., BMATBN, MCB, CLNC

FROM (UNIT) NREAD-Facilities	DATE 19 Dec 1983	UNIT PRIORITY DESIGNATOR
PERSON FAMILIAR WITH WORK REQUESTED Elizabeth Betz	PHONE x5977	BLDG NO. 65

FOLLOWING WORK IS REQUESTED

Five laboratory samples of approximately 1 quart each, to be packaged and certified for shipping. All samples are to be packaged in vermiculite and packaged lined with plastic bags. Place all samples in upright positions and label packaged with "THIS END UP."

TYPE WORK REQUESTED (X)							
(-)PACKAGE AND PRESERVE <input type="checkbox"/>	LEVEL <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C	(-)PACK <input checked="" type="checkbox"/>	LEVEL <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C				
CONSTRUCT	BOXES <input type="checkbox"/>	CRATES <input type="checkbox"/>	PAINT AND MARK <input type="checkbox"/>	TACTICAL MARK	<input type="checkbox"/> YES <input type="checkbox"/> NO		

DETAILS (LIST INSIDE DIMENSIONS IF CONSTRUCTION IS DESIRED; COLOR OF PAINT, PATTERN AND NUMBER OF TACTICAL MARK, ANY SPECIAL INSTRUCTIONS)

AA4 32 0430 3228 T/C

23 Dec 1983

DEAD LINE DELIVERY DATE	WR NO.	SIGNATURE	
Spaces On and Below This Line For P&P Use Only		JOB CHARGEABLE	P&P CONTROL NO.
WORK MEASUREMENT INFO PROJ 12			WORK MEASUREMENT INFO PROJ 11 & 94 TOTALS (LESS PROJ 12)
NO. OF ITEMS	TONS	NO. OF PKGS	CUBE
			WEIGHT
			VEHICLES
			BOXES BUILT



IF SPACES MARKED WITH AN ASTERISK (*) ARE FILLED IN, COMPLETE REVERSE SIDE

LINE ITEMS	NOMENCLATURE	FSN	QUANTITY	UNIT OF ISSUE	NO. PER INTERMEDIATE PACKAGE	NO. OF ITEMS PER PACK	ITEMS PER MULTIPLE PACK NO. OF PACK.
1.							
2.							
3.							
4.							
5.							
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25.							
26.							
27.							

DATE RECORDED BY P&P BRANCH

PICKED UP BY

DATE COMPLETED BY P&P BRANCH

DATE

NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
Marine Corps Base
Camp Lejeune, North Carolina 28542

NREAD/DDS/th
5000
19 Dec 1983

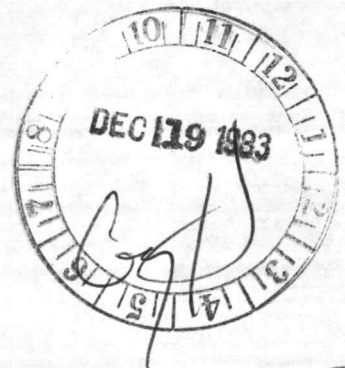
From: Director
To: Traffic Management Officer

Subj: Transportation of Laboratory Samples; request for

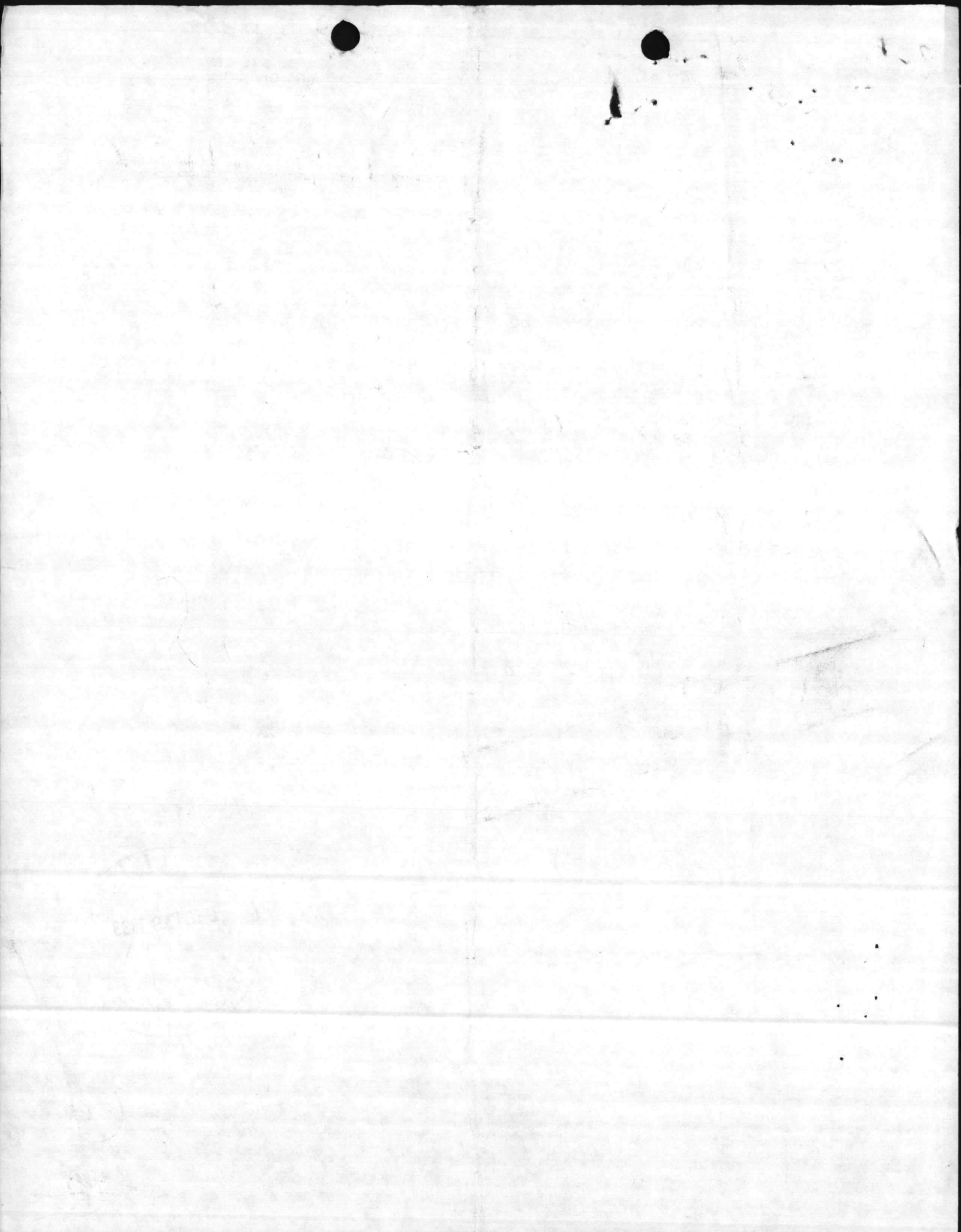
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C. D. Peterson
C. D. PETERSON
Acting

TCN: M31000 3353 0295 XXX



6
[scribble]



Pct
Dave Goodwin
21 Dec 83

Send PCB
Sample to
Bus Station pickup

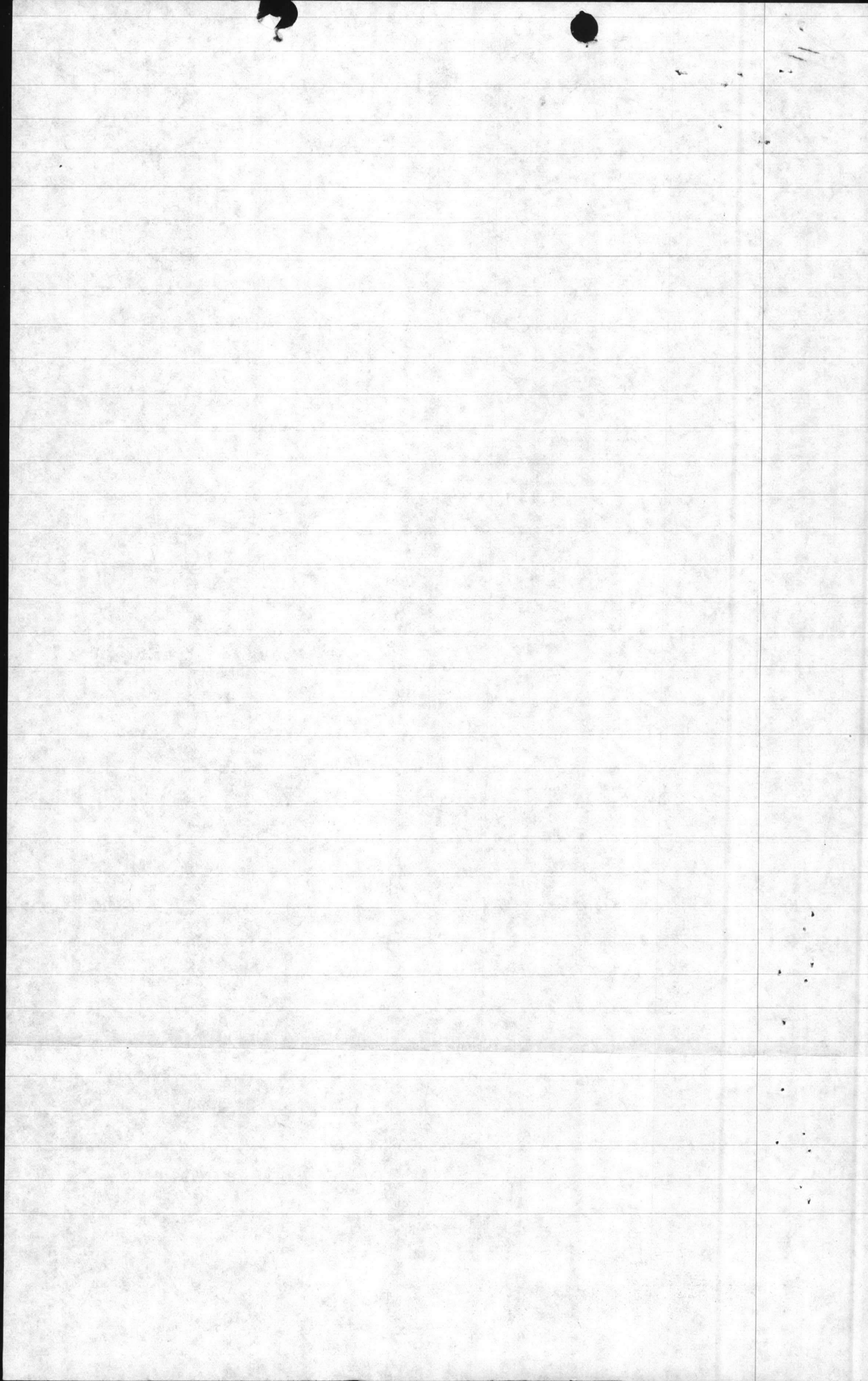
Shipping Document

~~Sy~~

CENTEC Analytical Services, INC,
2150 Industrial Drive
P.O. BOX 956
SALEM VA 24153

Com 703-387-3995

FTS 937-6011
Operator



NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIV
Marine Corps Base
Camp Lejeune, North Carolina 28542

7 June 85
(Date)

From: Supervisory Ecologist

To: Supervisory Chemist, VIA. Director NREAD

Subj: LAB Analysis

1. The enclosed Lant Div Transmittal contains findings of analysis of materials found at alleged dump at m CAS (H) XR. Please retain for records. Refer any inquiries to Director NREAD.

Danny Hays



The first part of the document
 is a list of names and dates
 which are arranged in a table
 with columns for names and dates.
 The names are listed in the first
 column and the dates in the second
 column. The names are: [illegible]
 [illegible] [illegible] [illegible]
 [illegible] [illegible] [illegible]
 [illegible] [illegible] [illegible]
 [illegible] [illegible] [illegible]

6-1-85

Danny

See attached
I think Bob should send to
Air Station for info.

Julian



The following is a list of the
 names of the persons who
 were present at the
 meeting held on the
 1st day of January 1880
 at the residence of
 Mr. J. W. [unclear]
 in the town of [unclear]
 county of [unclear]
 State of [unclear]

45/21

ROUTINE REPLY, ENDORSEMENT, TRANSMITTAL OR INFORMATION SHEET

OPNAV 5216/158 (Rev. 7-78)
SN 0107-LF-052-1691

A WINDOW ENVELOPE MAY BE USED
Formerly NAVEXOS 3789

CLASSIFICATION (UNCLASSIFIED when detached from enclosures, unless otherwise indicated)

FROM (Show telephone number in addition to address)

C. Barnett, AV 564-9566

DATE

5/20/85

SUBJECT

Lab analysis results

SERIAL OR FILE NO.

TO:

Bob Alexander
Marine Corps Base
Assistant Chief of Staff Facilities
Camp Lejeune, NC 28542

REFERENCE

ENCLOSURE

JTC Lab Report #60

VIA:

ENDORSEMENT ON

FORWARDED RETURNED FOLLOW-UP, OR TRACER REQUEST SUBMIT CERTIFY MAIL FILE

GENERAL ADMINISTRATION	CONTRACT ADMINISTRATION	PERSONNEL
FOR APPROPRIATE ACTION UNDER YOUR COGNIZANCE INFORMATION	NAME & LOCATION OF SUPPLIER OF SUBJECT ITEMS	REPORTED TO THIS COMMAND:
APPROVAL RECOMMENDED <input type="checkbox"/> YES <input type="checkbox"/> NO	SUBCONTRACT NO. OF SUBJECT ITEM	DETACHED FROM THIS COMMAND
<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	APPROPRIATION SYMBOL, SUBHEAD, AND CHARGEABLE ACTIVITY	OTHER
COMMENT AND/OR CONCURRENCE CONCUR	SHIPPING AT GOVERNMENT EXPENSE <input type="checkbox"/> YES <input type="checkbox"/> NO	
LOANED, RETURN BY:	A CERTIFICATE, VICE BILL OF LADING	
SIGN RECEIPT & RETURN REPLY TO THE ABOVE BY:	COPIES OF CHANGE ORDERS, AMENDMENT OR MODIFICATION	
	CHANGE NOTICE TO SUPPLIER	
	STATUS OF MATERIAL ON PURCHASE DOCUMENT	

REFERENCE NOT RECEIVED	REMARKS (Continue on reverse)
SUBJECT DOCUMENT FORWARDED TO:	
SUBJECT DOCUMENT RETURNED FOR:	
SUBJECT DOCUMENT HAS BEEN REQUESTED, AND WILL BE FORWARDED WHEN RECEIVED	
COPY OF THIS CORRESPONDENCE WITH YOUR REPLY	
ENCLOSURE NOT RECEIVED	
ENCLOSURE FORWARDED AS REQUESTED	
ENCLOSURE RETURNED FOR CORRECTION AS INDICATED	
CORRECTED ENCLOSURE AS REQUESTED	
REMOVE FROM DISTRIBUTION LIST	
REDUCE DISTRIBUTION AMOUNT TO:	

SIGNATURE & TITLE
Cherry

COPY TO:

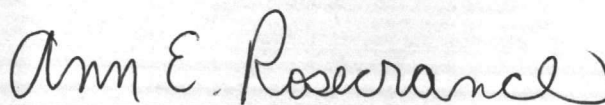
CLASSIFICATION (UNCLASSIFIED when detached from enclosures, unless otherwise indicated)

REPORT # 60
LABORATORY ANALYSIS ON
NAVAL SAMPLES
(A/E CONTRACT N62470-84-B-6932)
JTC REPORT # 85-179

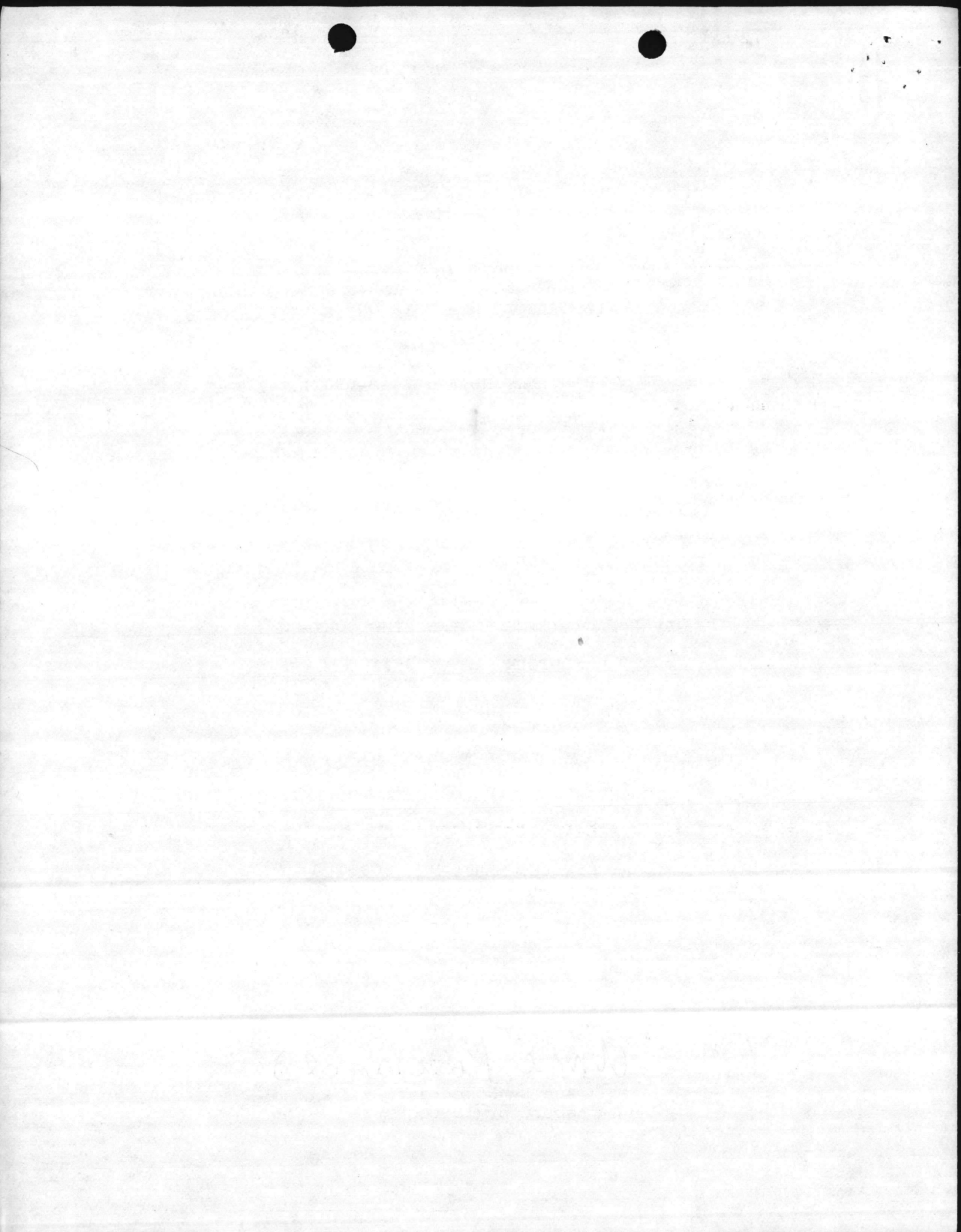
PREPARED FOR:
DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VA 23511

PREPARED BY:
JTC ENVIRONMENTAL CONSULTANTS, INC.
4 RESEARCH PLACE, SUITE L-10
ROCKVILLE, MARYLAND 20850

May 15, 1985



Ann E. Rosecrance
Laboratory Director



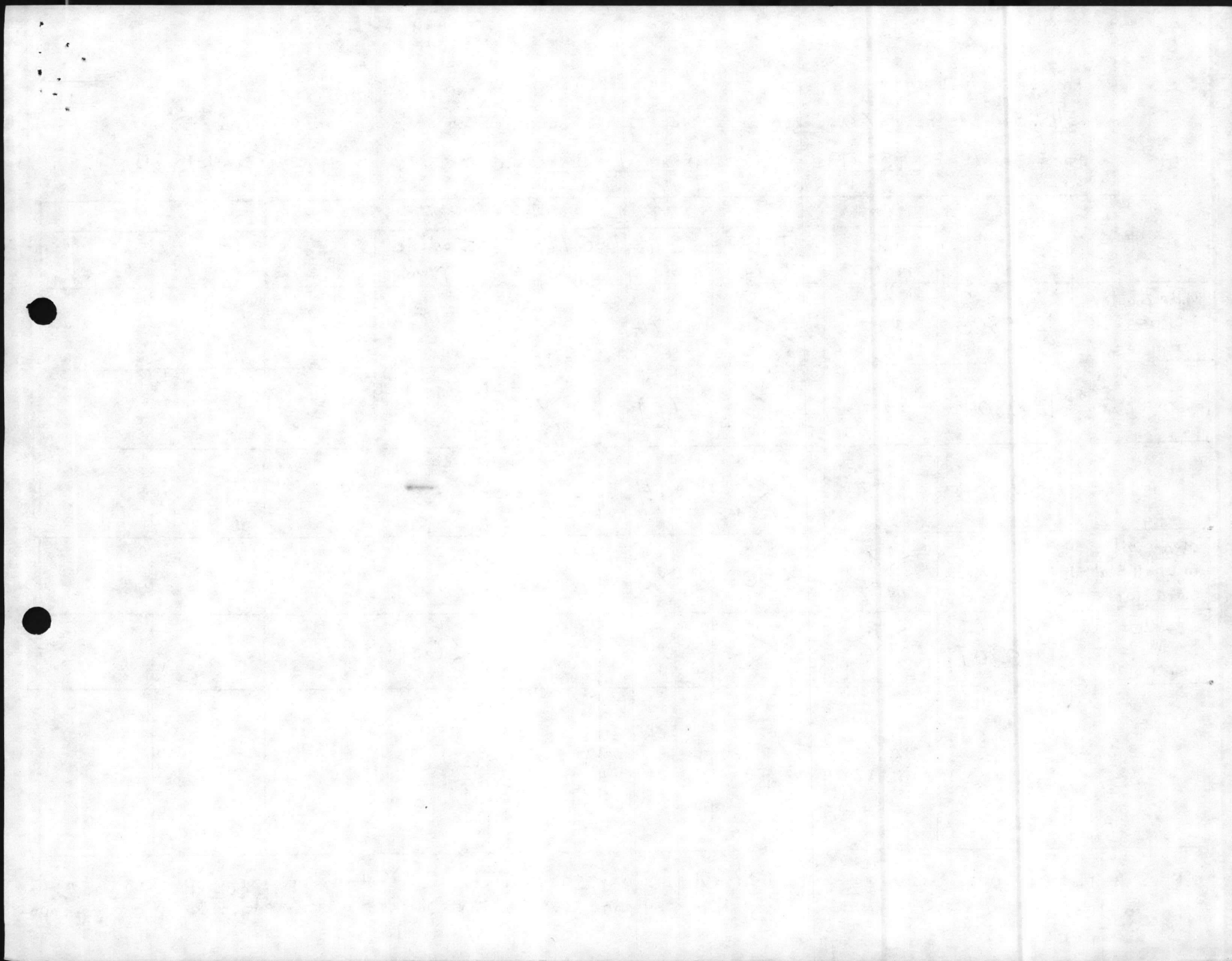
JTC Environmental Consultants, Inc.

Date 5/15/85 Report No. 60 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-179 Table 1 Date of Sample Receipt 4-15-85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		Ca mg/g	PCB ug/g	Chloride mg/g	Oil & Grease mg/g	Iodine ppm		
white powder in glass ampules	12-0803	173	X	374	X	X		
"	12-0804	227	X	419	X	X		
"	12-0805	328	X	214	X	X		
clear oil in small flat sided jar	12-0806	X	<50	X	842	X		
tablet * in amber jar	12-0807	X	X	X	X	<0.1		

* Sample did not dissolve in water. A cloudy suspension was formed by placing the tablet in water and stirring for 24 hours. Iodine was not detected in the sample suspension.



214025
DEPARTMENT OF THE NAVY

COMMANDER, ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
DEPARTMENT OF THE NAVY
DOD-316

Bob Alexander
Assistant Chief of Staff Facilities
Marine Corps Base
Camp Lejeune, NC 28542

NA

BB

MAY 22 1964

Air STATION

AMBULS - EXPLODED

HTH - EXPLODED

#

Calcium

CH₂

mg/g

mg/g

1

173

374

MOST DANGEROUS

2

227

419

3

328

214

Oil -

PCB - <50 $\mu\text{g/g}$

APPEARS TO OIL

IODINIDE

WASTE OIL

39A TT

29TH

TCE

3.7

PCE

0

THMs

0

1



...

1. The first part of the document is...

2. The second part of the document is...

3. The third part of the document is...

4. The fourth part of the document is...

5. The fifth part of the document is...

6. The sixth part of the document is...

7. The seventh part of the document is...

8. The eighth part of the document is...

9. The ninth part of the document is...

NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIV
Marine Corps Base
Camp Lejeune, North Carolina 28542

14 MAY 85
(Date)

From: Supervisory Ecologist

●: Supervisory Chemist

Subj: HW Sampling; status of
Encl(1) Excerpts from D. Sharpes "Suspense"
(CHW) Log

1. Please advise of the status of
The four assignments listed on the
enclosure which have NOT BEEN
Completed; Give the following for each:
- Have samples been taken?
 - Have samples been shipped?
 - Date results expected.

In Need the info on Lt. Hobbie's
27 Feb 85 assignment ASAP in
that he is inquiring about results.

Darry

4



DATE	ORGANIZATION	DATE COMPLETED
RCRD 15 Jan 85	2d MARINES, 2ND MAR Div. P.O.C. Capt. Hoschied 3404/3460	
15 Feb 85 (Received by NREAD 11/FEB)	DPDD Ms Nadine Hipp	Completed 5-MAR 85
20 Feb 85	AC/S FAC Robert Alexander 3034	
27 Feb 85	OIC, SASSY MGT UNIT 2d Lt Hobby 1468/1212 11 Feb 85	
27 Feb 85	CO, 2D ANGICO (SSgt Lamm 3456)	

Betsy: also
what is status
of DPDD Bureau
labeled "Control"
which I sent you a
note on several
weeks ago. re. sending
to a Dr. Appel with
a sample
that contains
dandy

Reference: Comments

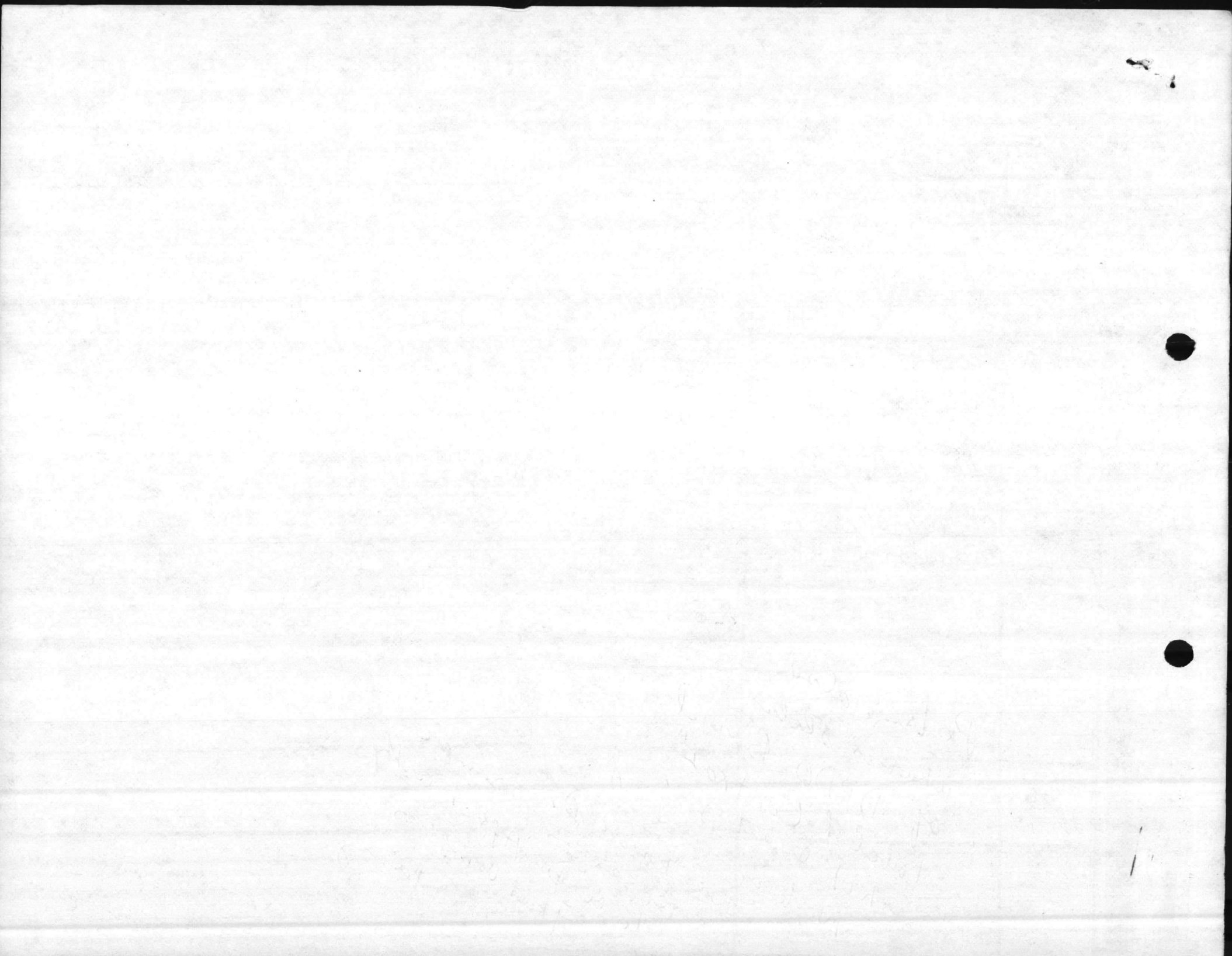
CO 2D MAR 1tr 6240 MTD 9 JAN 1985. Forwarded
To QCL 15 JAN with 18 JAN date to inspect and
. 25 Jan Deadline to sample.

Forwarded to QCL 15 Feb 85 with
22 Feb Deadline.

AC/S Facilities Ltr 6280/2 FAC of 20 Feb 85
requested Data by 1 March. Sent to Lab
20 Feb with sample completion by 1 March Date

OIC SASSY MGT UNIT Ltr 11000 SMU/JJH/sk 11 Feb
sample by 15 Mar. 85 Forwarded to Lab
28 Feb 85

CO 2D Angico Ltr 4400 S-4 14 Feb 1985
sent to Lab 28 Feb Sample by 15 MAR
85



3. SAMPLE # 267E DATE COLLECTED 3/27/85 TIME COLLECTED 1005
NAME OF COLLECTOR H. B LOCATION AND DESCRIPTION OF ITEM
SAMPLED Bld 1605

Bld. 1605

(E) (Looked like water)

Drum.

26 G Ph 6.5

26 E Ph 5.9

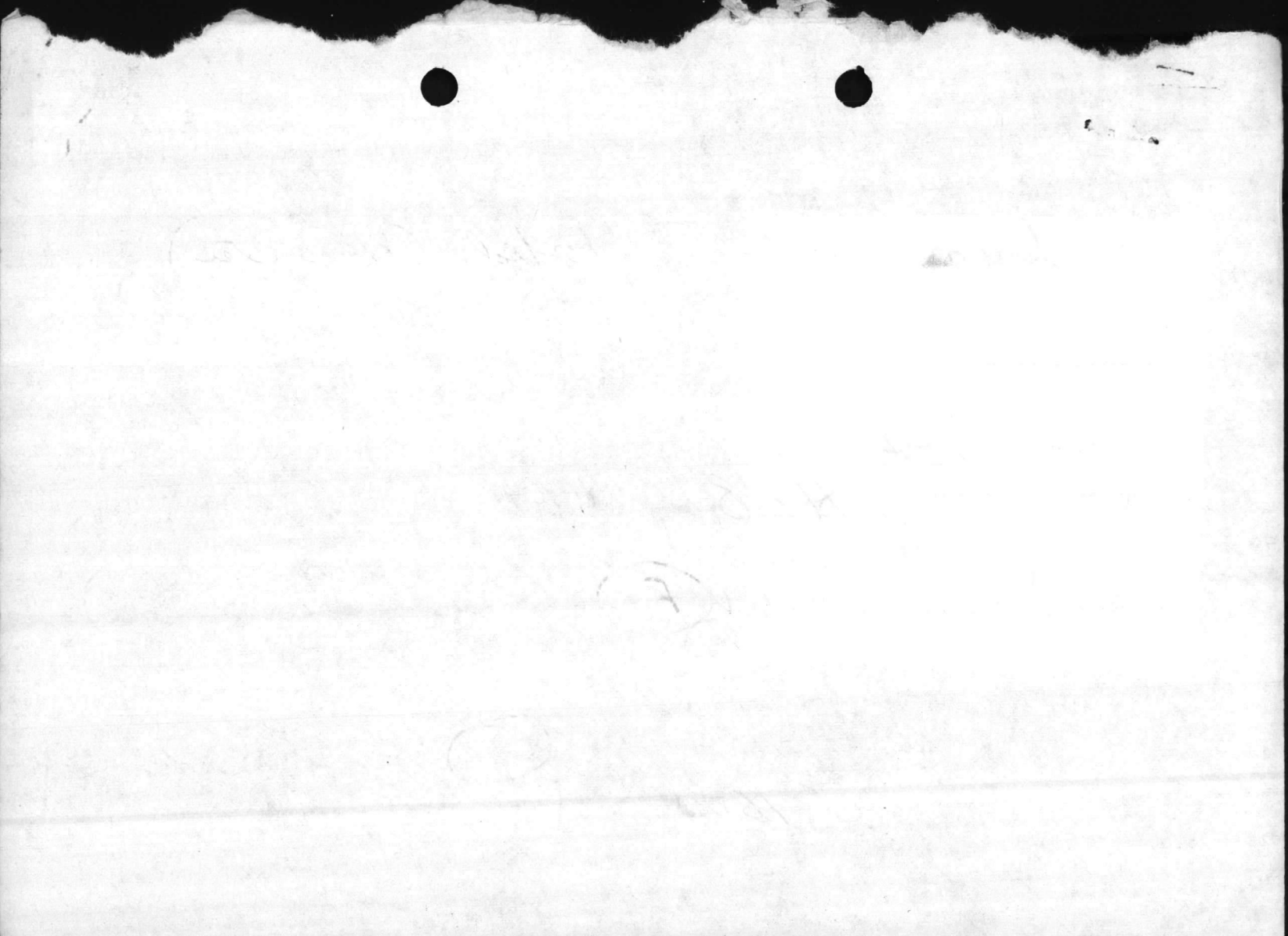
DATE COLLECTED 3/27/85 TIME COLLECTED 1008

LECTOR H. B
26 F Ph 5.5

LOCATION AND DESCRIPTION OF ITEM

(F) (Looked like water)

26-G Drum Marked (G) Looked like water.
Bld 1605



3. SAMPLE # 26 #E DATE COLLECTED 3/27/88 TIME COLLECTED 1005

NAME OF COLLECTOR H: B LOCATION AND DESCRIPTION OF ITEM

SAMPLED Bld 1605

COMMENTS Drum marked (E) (Looked like water)

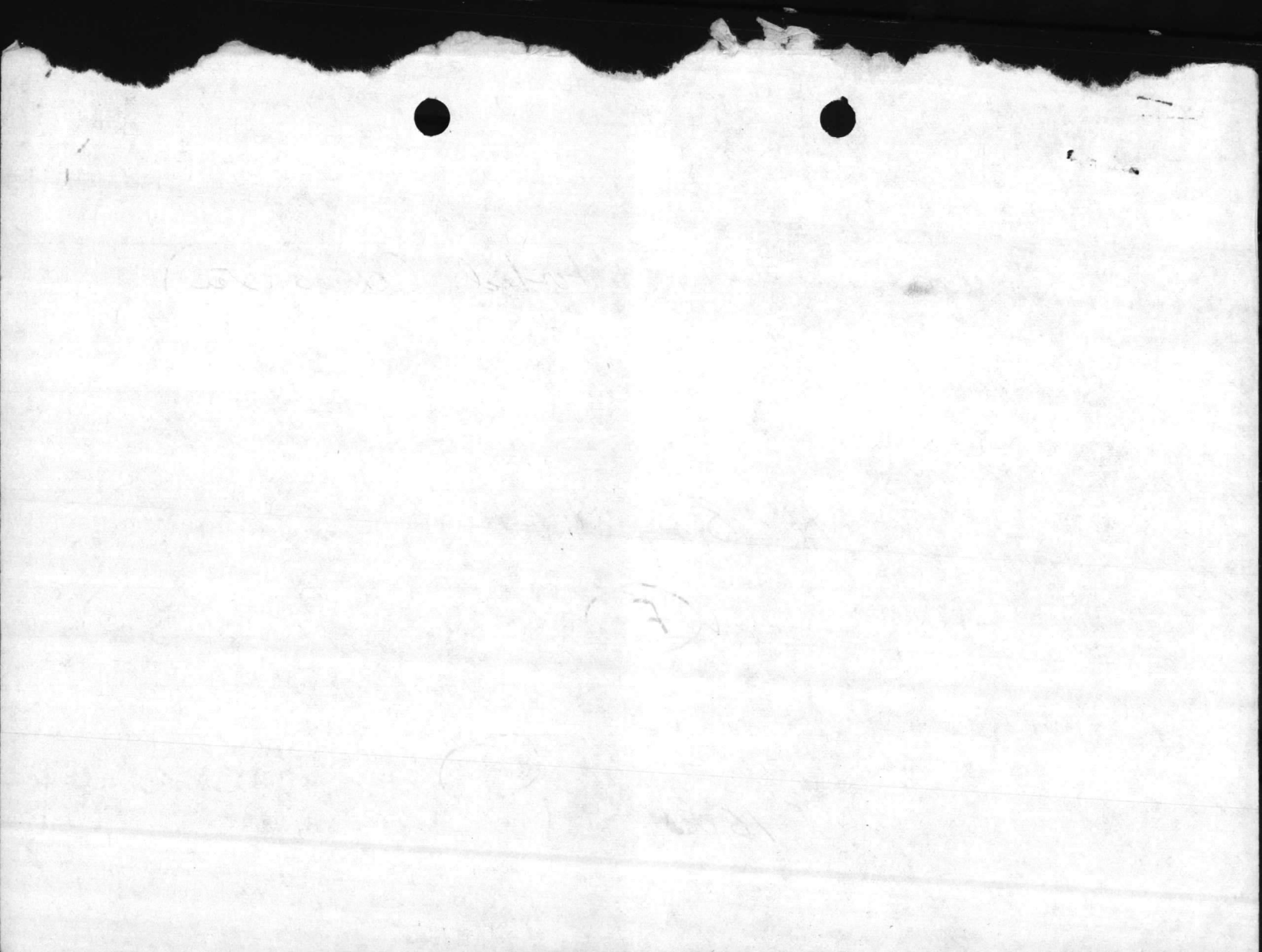
4. SAMPLE # 26 #F DATE COLLECTED 3/27/88 TIME COLLECTED 1008

NAME OF COLLECTOR H: B LOCATION AND DESCRIPTION OF ITEM

SAMPLED Bld 1605

COMMENTS Drum marked (F) (Looked like water)

26 #G Drum marked (G) Looked like water
Bld 1605




NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
Marine Corps Base
Camp Lejeune, North Carolina 28542

11-13-84
Date

From: Director

To: *Danny*

Yours for action

Sampled 3/27/85
Sample numbers
26-E, F, G
Bet = Looked like water.
P1 

Take individual samples

(3) Sampled
3/27/85

ATLANTA, GEORGIA, APRIL 1908
MORNING, APRIL 1908
SOUTH-CAROLINA, 1908

NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
Marine Corps Base
Camp Lejeune, North Carolina 28542

11-13-84
Date

From: Director
To:

Dan

Yours for action

Jubari

Betz: 11-13-84

Please handle this.

D. Sharpe

Take individual samples

(3) Sampled
3/27/85

ALBERTSONS AND SONS, INC. NORTH CAROLINA
MORRISVILLE, N.C. 27554

Date



UNITED STATES MARINE CORPS
2D FORCE SERVICE SUPPORT GROUP (REIN)
FLEET MARINE FORCE, ATLANTIC
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO
5100
48
5 Nov 1984

FIRST ENDORSEMENT on CO, 8th CommBn ltr 5100 o5 of 26 Oct 1984

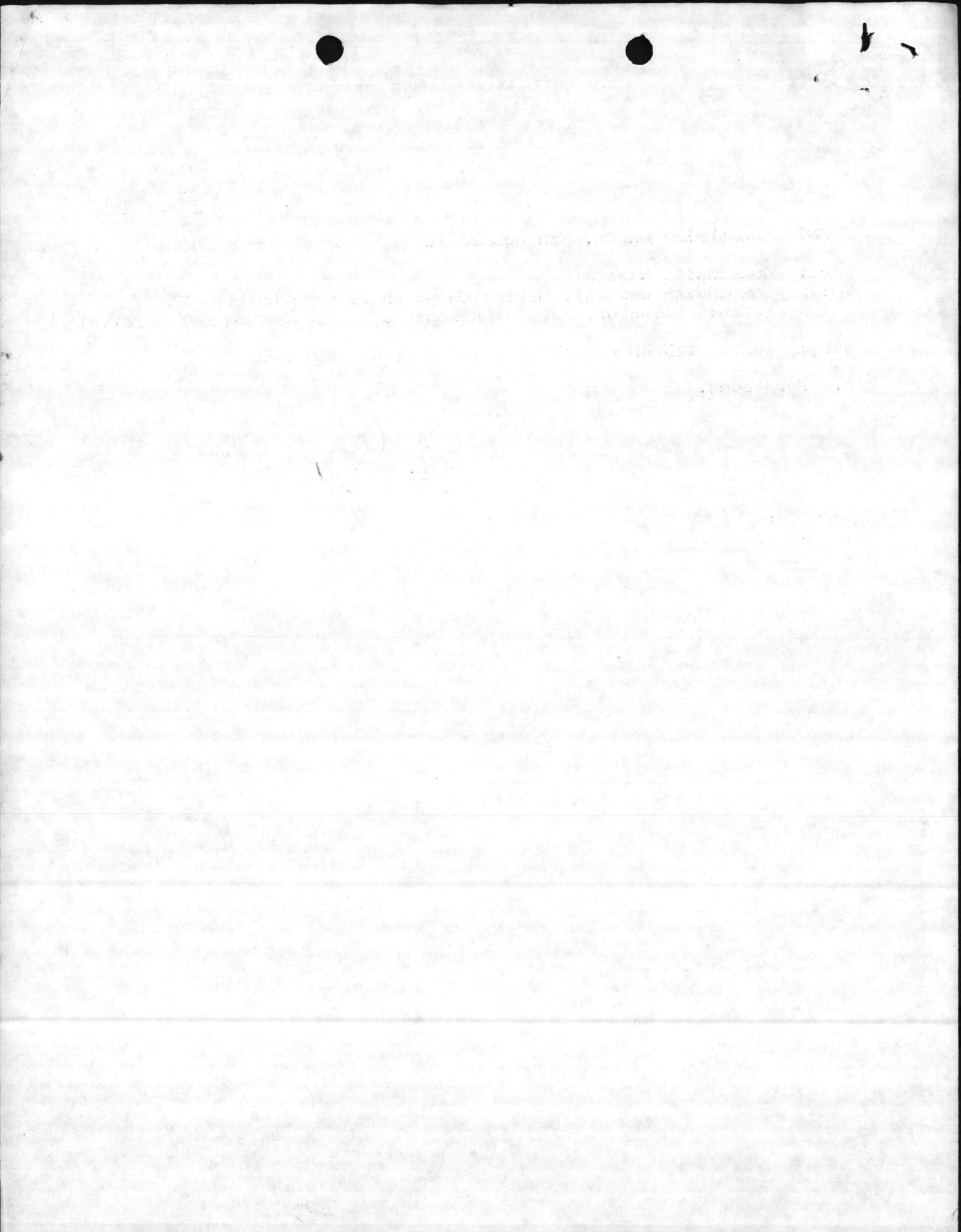
From: Commanding General
To: Commanding General, Marine Corps Base, Camp Lejeune NC
(Attn: Director, Natural Resources and Environmental Affairs)

Subj: INSPECTION OF HAZARDOUS SUBSTANCE, REQUEST FOR

1. Forwarded.

DA Cerveny
D. A. CERVENY
By direction

Copy to:
CO, 8th CommBn





UNITED STATES MARINE CORPS
8th Communication Battalion
2D Force Service Support Group (REIN)
Fleet Marine Force, Atlantic
Camp Lejeune, North Carolina 28542-5707

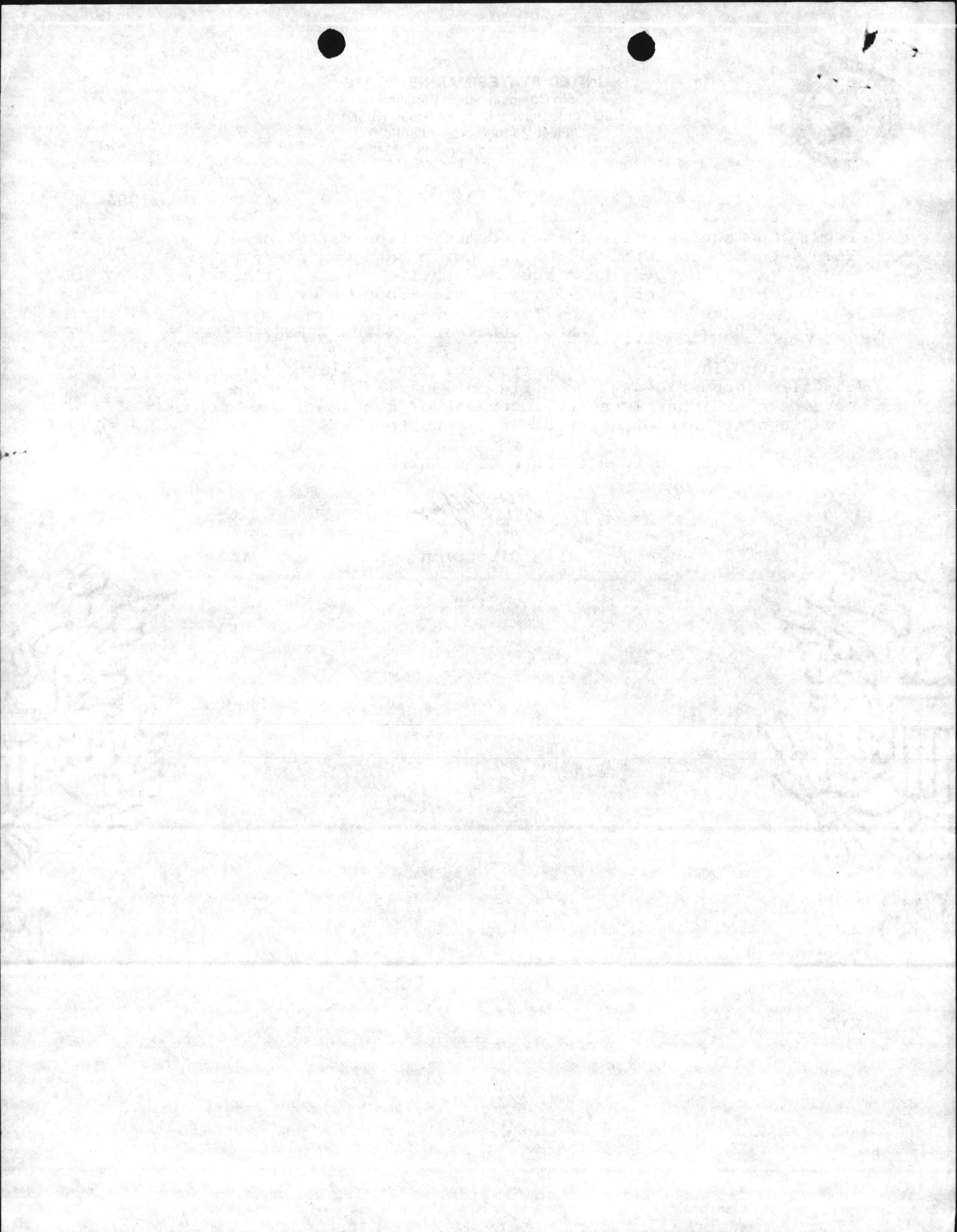
IN REPLY REFER TO
5100
04
26 Oct 1984

From: Commanding Officer, 8th Communication Battalion
To: Commanding General, Marine Corps Base Camp Lejeune
(Attn: Natural Resources and Environmental Affairs Director)
Via: Safety Officer, 2d Force Service Support Group (Rein)

Subj: INSPECTION OF HAZAROUS SUBSTANCE, REQUEST FOR

1. Request inspection or analysis of the liquid contained in three, 55 gallon drums located at building 1605. The drums are known to have been at that location in excess of two years and appear to contain a mixture of water and oily substance.
2. POC is 1stLt DILLON at extension 1622/2730.

DG Pelfrey
D. G. PELFREY
By Direction



DDI

ASSISTANT CHIEF OF STAFF, FACILITIES
HEADQUARTERS, MARINE CORPS BASE

13 AUG 1984

DATE _____

TO:

BASE MAINT O

DIR, FAMILY HOUSING

PUBLIC WORKS O

DIR, UNACCOMPANIED PERS HSG

COMM-ELECT O

BASE FIRE CHIEF

DIR., NAT. RESOUR

Looked at end at
least 6 that I
opened looked
like undercoating.

ATTN: Mr.

1. Attached is for

H

2. Please initial

No Samples
3/27/85

s office.

3. Your file copy.

Hold

B. Welton
by dir

"LET'S THINK OF A FEW REASONS
WHY IT CAN BE DONE"

Take every 5th Barrel/quant

1981 JULIA 8.1



Handwritten signature or scribble

WHY IT CAN BE DONE

DDJ

ASSISTANT CHIEF OF STAFF, FACILITIES
HEADQUARTERS, MARINE CORPS BASE

13 AUG 1984

DATE _____

TO:

BASE MAINT O

DIR, FAMILY HOUSING

PUBLIC WORKS O

DIR, UNACCOMPANIED PERS HSG

COMM-ELECT O

BASE FIRE CHIEF

DIR., NAT. RESOURCES & ENV. AFFAIRS

ATTN: *M. Sarge*

1. Attached is forwarded for info/action.
2. Please initial, or comment, and return all papers to this office.
3. Your file copy.

Hold

*B. Welton
by dir*

"LET'S THINK OF A FEW REASONS
WHY IT CAN BE DONE"

Take every 5th Barrel / quart

J. & A. 1884



[Faint, illegible handwriting]

[Handwritten signature or initials]

3. You're the only

THEY CAN BE BORN



UNITED STATES MARINE CORPS
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO
5100
LOG
10 Aug 1984

THIRD ENDORSEMENT on CO, 2d MaintBn ltr 5100 40/R/T dtd 27Jul84

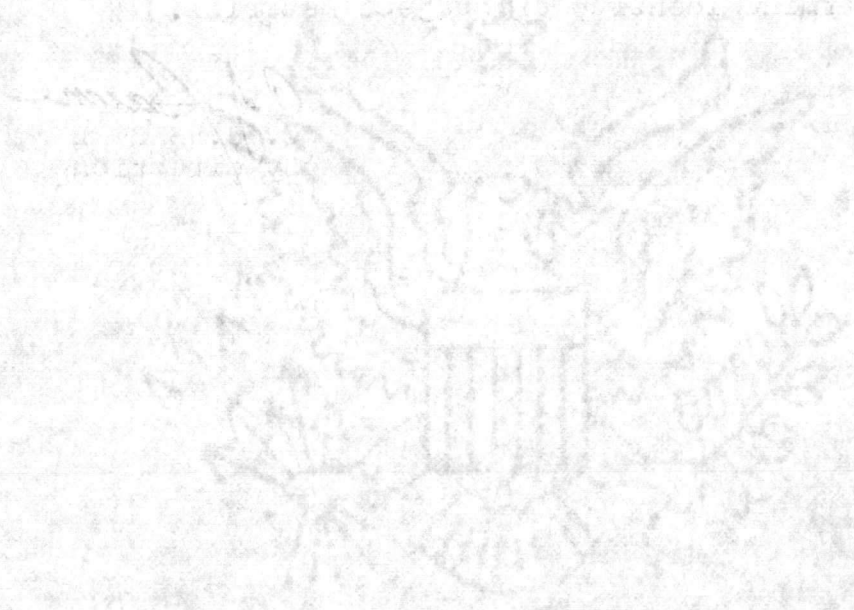
From: Assistant Chief of Staff, Logistics, Marine Corps Base
To: Assistant Chief of Staff, Facilities

Subj: HAZARDOUS MATERIAL, ANALYSIS

1. Returned requesting a chemical analysis be conducted to determine identity of subject material.

C. J. Barone
C. J. BARONE
By direction

UNITED STATES MARINE CORPS
PARKERSBURG, W. VA.
JAMES H. ...



18 6 19...

UNITED STATES MARINE CORPS
Marine Corps Base
Camp Lejeune, North Carolina 28542

5100
FAC
8 AUG 1984

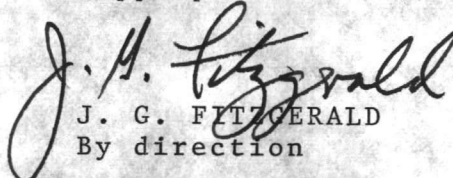
SECOND ENDORSEMENT on CO, 2d MaintBn ltr 5100 40/R/T of 27 Jul 84

From: Assistant Chief of Staff, Facilities, Marine Corps Base,
Camp Lejeune

To: Assistant Chief of Staff, Logistics (Attn: Hazardous
Material Disposal Coordinator)

Subj: TURN-IN OF HAZARDOUS MATERIAL

1. Readdressed and forwarded for appropriate action.


J. G. FITZGERALD
By direction

Copy to:
CO, 2d MaintBn

BT 100-8 110:50

RECEIVED AT
AC/S LOGISTICS
MCB CAMP LEJEUNE, NC

'84 AUG-9 A10:29



5100
42
3 Aug 1984

FIRST ENDORSEMENT on CO, 2d MaintBn ltr 5100 40/R/T of 27 Jul 1984

From: Commanding General
To: Commanding General, Marine Corps Base, Camp Lejeune NC
(Attn: Assistant Chief of Staff, Facilities)

Subj: TURN-IN OF HAZARDOUS MATERIAL

1. Readdressed and forwarded requesting appropriate action.

D. A. CERVENY
By direction

Copy to:
CO, 2d MaintBn

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

TO : DIRECTOR, FBI (100-442654)
FROM : SAC, NEW YORK (100-100000) (P)
SUBJECT: [Illegible]

RE: [Illegible]

DATE: [Illegible]

UNITED STATES MARINE CORPS
2d Maintenance Battalion
2d Force Service Support Group(Rein)
Fleet Marine Force, Atlantic
Camp Lejeune, North Carolina 28542

5100
40/R/T
27 July 1084

From: Commanding Officer
To: Commanding General, Marine Corps Base, Camp Lejeune,
North Carolina(Attn: Hazardous Material Disposal Coordinator)
VIA: Commanding General, 2d Force Service Support Group(Rein)
(Attn: Safety Officer)

SUBJ: TURN-IN OF HAZARDOUS MATERIAL

1. It is requested that Forty Five(45) 55 gal. drums of an unidentified material be analyzed to determine if it is hazardous, so the turn in to DPDO can be accomplished.

2. Point Of Contact this command is GYSGT RADEMACHER at ext. 5222/3989

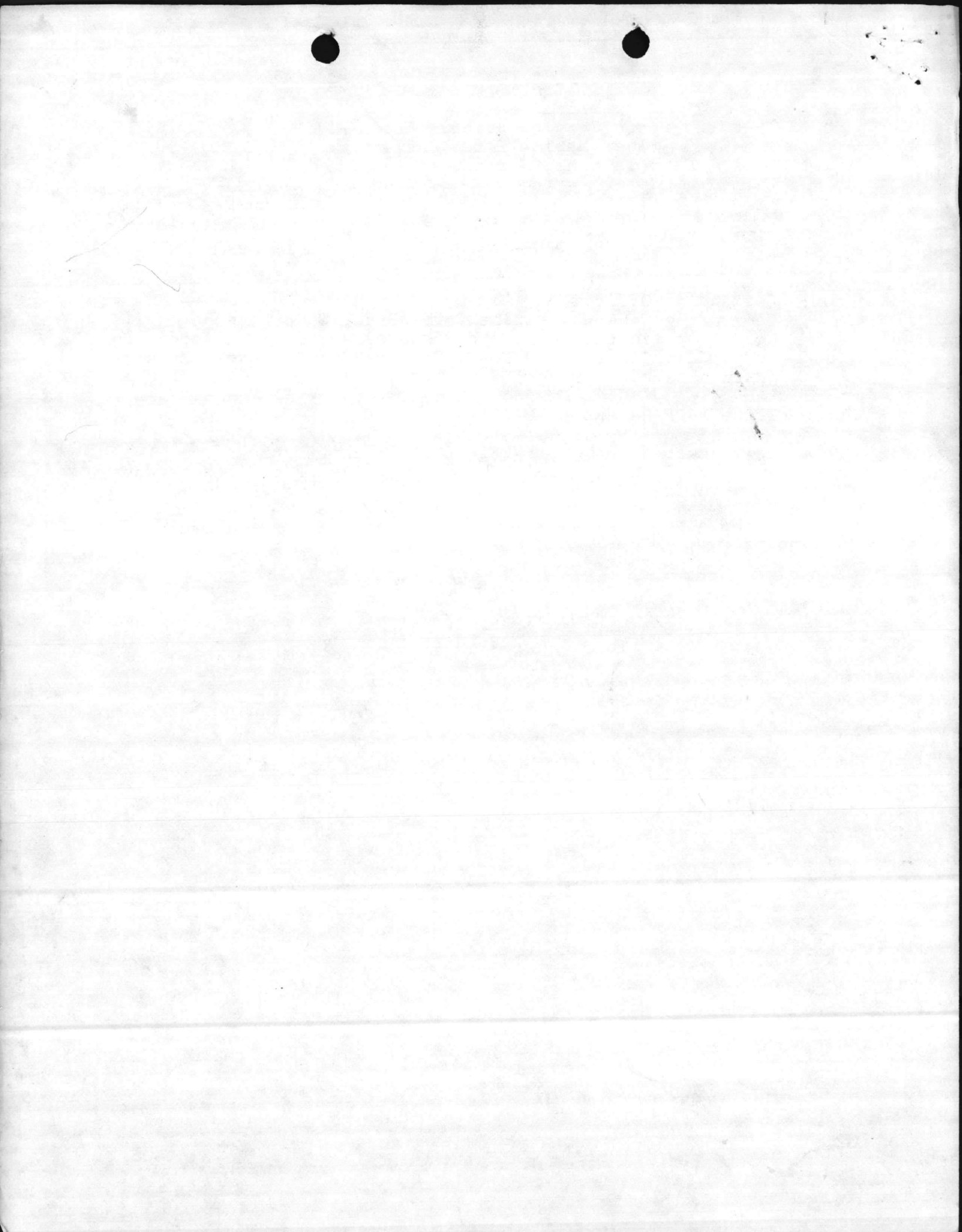
*Blad
1601*

P. G. SMITH
P. G. SMITH
By direction

TOP LOVEJOY

Top Sgt Williams

Cpl RAY



HW 1985

6241/1

