

Tom :

VIC TECK FROM PUBLIC WORKS (INSPECTORS) WILL MEET YOU AT THE TANKS AT 10:50.

ONE TANK HAS BEEN EMPTIED.

PLEASE FIND OUT WHICH ONE

THE STEAM PLANT HAS (H-20) HAS BEEN TORN DOWN.

BETSY

PUMPED A DOWN TO APPROX

105 TIME COLLECTED 1208

LOCATION AND DESCRIPTION OF ITEM

on
at Beam (light)
alley + load
used this Am.

16/85 TIME COLLECTED 1212

NAME OF COLLECTOR H+B

LOCATION TANKS HAVE

SAMPLED NP-100

BEEN
REMOVED

COMMENTS 55 gal drum of unknown

Drum marked (B) Light

Capt. permit to remove w/ pallet + load

3. SAMPLE # 24-A DATE COLLECTED 3/27/85 TIME COLLECTED 0845

NAME OF COLLECTOR H+B LOCATION AND DESCRIPTION OF ITEM

SAMPLED Old Hospital Steam Plant underground (H-20)

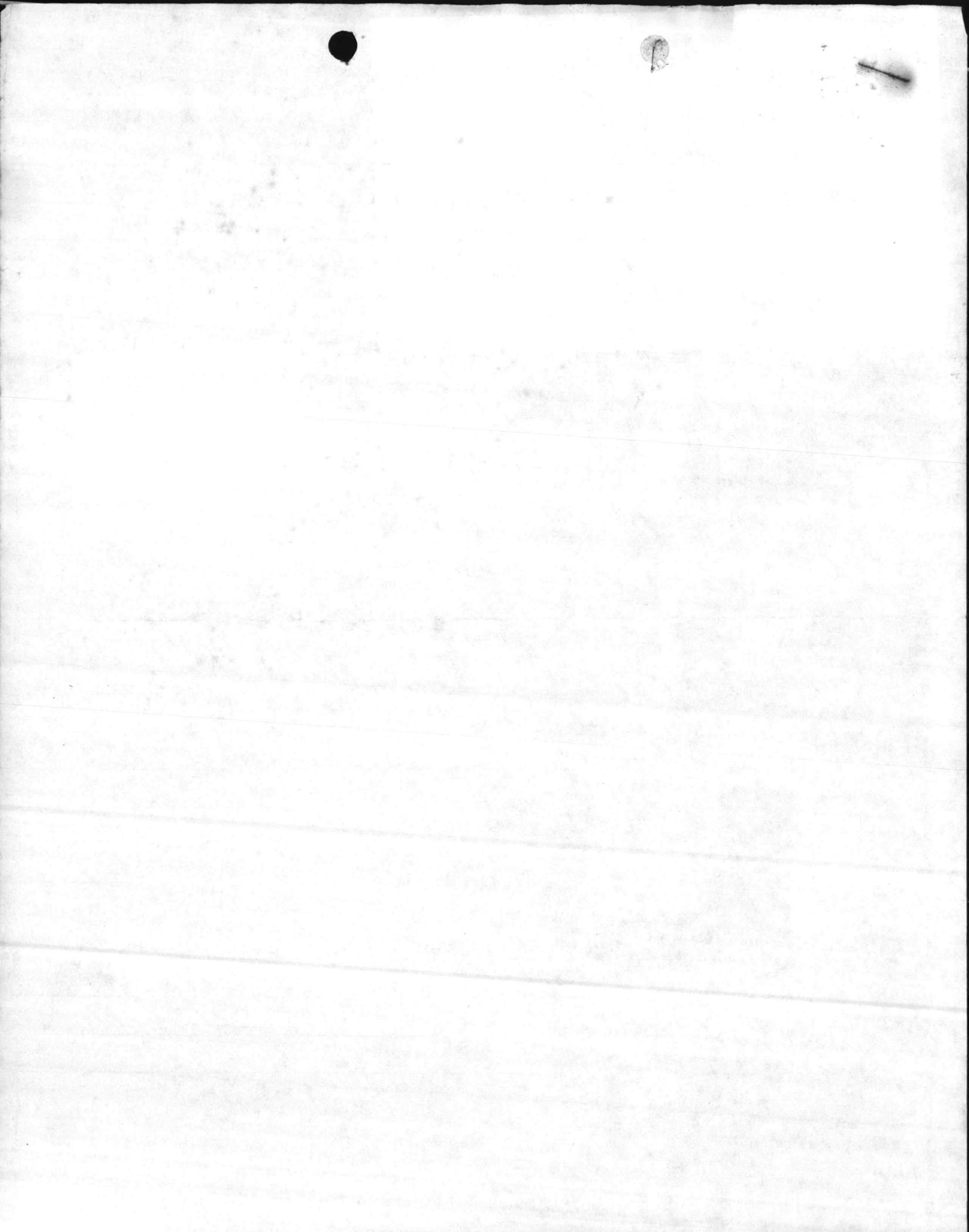
COMMENTS Storage tank facing building tank on left w/ orange (A) under lid/dark black thick w/ alot of water

4. SAMPLE # 24-B DATE COLLECTED 3/27-85 TIME COLLECTED 0900

NAME OF COLLECTOR H+B LOCATION AND DESCRIPTION OF ITEM

SAMPLED 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



1. SAMPLE # 23-A DATE COLLECTED 3/26/85 TIME COLLECTED 1208
 NAME OF COLLECTOR H+B LOCATION AND DESCRIPTION OF ITEM
 SAMPLED 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 1212
 NAME OF COLLECTOR H+B LOCATION AND DESCRIPTION OF ITEM
 SAMPLED HP-100

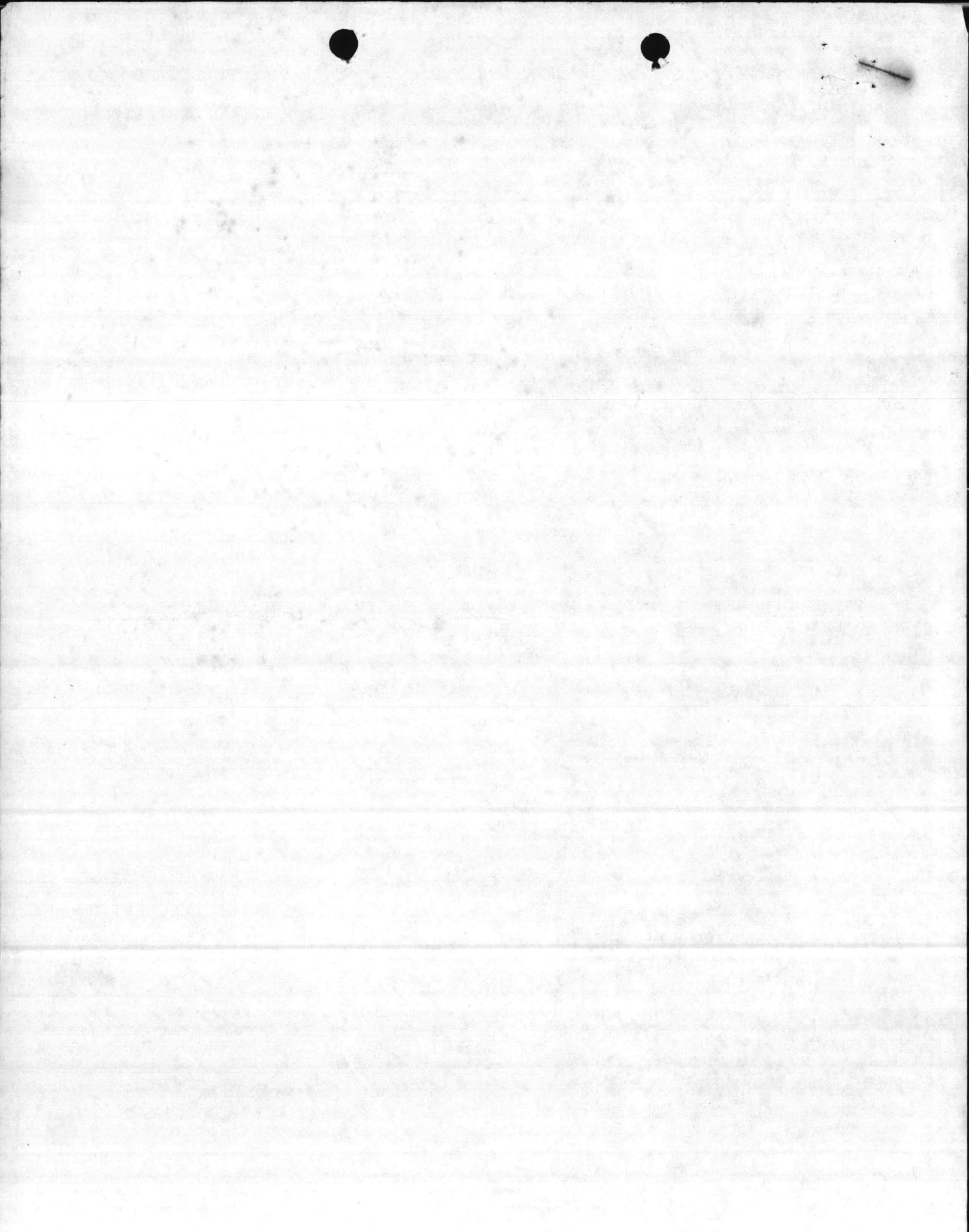
COMMENTS 55 gal drum of unknown
Drum marked (B) Light Brown (Light)
Capt. promised to secure w/ pallet + band

3. SAMPLE # 24-A DATE COLLECTED 3/27/85 TIME COLLECTED 0845
 NAME OF COLLECTOR H+B LOCATION AND DESCRIPTION OF ITEM

SAMPLED 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 0900
 NAME OF COLLECTOR H+B LOCATION AND DESCRIPTION OF ITEM

SAMPLED 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



Memorandum

6240/2
NREAD
7 Aug 1985

DATE: 7 Aug 1985

FROM: Director, Natural Resources and Environmental Affairs Division,
Marine Corps Base, Camp Lejeune

TO: Base Maintenance Officer, Marine Corps Base, Camp Lejeune

SUBJ: WASTE OIL ANALYSIS OF TWO STORAGE TANKS AT OLD HOSPITAL, NEAR
BUILDING H-20

Ref: (a) BMO ltr 11260 MAIN of 31 Jul 1984

Incl: (1) Supervisory Chemist, NREAD ltr 6241/2 NREAD of 6 Aug 1985

1. The enclosure provides information requested by the reference. The subject analysis indicates oil is similar to previous batches of oil turned in to Defense Marketing and Reutilization Office (DRMO). Storage tanks are labeled "A" and "B". Markings are under lid to fill port. Sample "24A" is from Tank A and sample "24B" is from Tank B.

2. Please note that small amounts of various solvents were detected. The data indicates significant quantities of water and sediment. Disposal problems similar to those with other recent turn-ins to DRMO should be expected.

D. D. SHARPE
Acting

→ Blind copy to:
SupvChem

Messerschmitt

1985

1985

1985

Division

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985

1985



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

IN REPLY REFER TO:

6241/2
NREAD
6 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: WASTE OIL ANALYSIS

Ref: (a) BMO ltr 11260 MAIN of 31 July 1984

Encl: (1) Excerpts from JTC Environmental Consultants, Inc.
Report No. 54 Dated 6-28-85

1. The enclosure provides data requested by the reference for the two waste oil storage tanks at the old hospital, Bldg H-20.


ELIZABETH A. BETZ

ENCLOSURE (1)

2211
HEAD
0 AUGUST 1985

Environmental

Division

with reference to M-20

ATTENTION: A REPLY

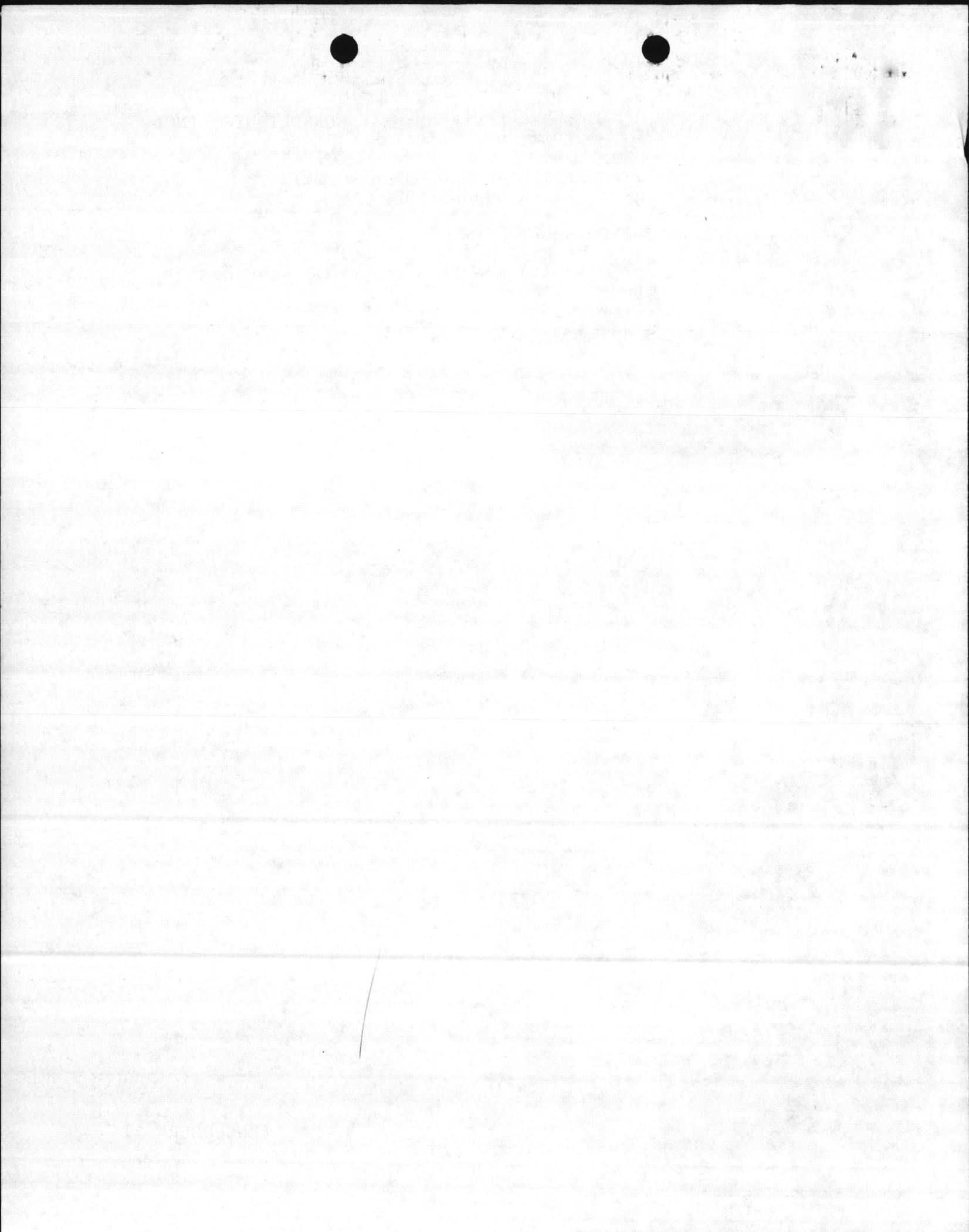
EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INC.
REPORT NO. 54 DATED 6-28-85

COMPILED BY ELIZABETH A. BETZ
6 August 1985

Please note the following:

Navy sample ID #24A & B are from waste oil storage tanks at the old hospital near Bldg H-20.

(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 2

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

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER													
		% water / % sediment	% sulfur	Flashpoint °F	BTU per lb.	Reactivity		Corrosivity pH							
						Cyanide ppm	Sulfide ppm								
#4 Bldg 515 hanger	12-0763	25	0.11	164	13,600	< 1.0	< 1	7.72							
#5 Bldg 518 hanger	12-0764														
#6 Bldg 504	12-0765														
#7 Bldg 504	12-0766														
#8 Bldg 4147	12-0767														
#9 Bldg 4100	12-0768														
#10 Bldg 4108 comp	12-0769														
#11 Bldg 4108	12-0770														
#12 Bldg 4106	12-0771														
#13 Bldg 1601	12-0772								14	0.48	165	14,800	1.3	5	8.80
#14 Bldg 1607	12-0773														
#15 Bldg 909	12-0774														
#16 Bldg 901	12-0775														
#17 Bldg 902	12-0776														
#18 Bldg 1205-1206	12-0911	24	0.74	171	14,700	2.4	20	9.00							
#19 Bldg 1505-1506	12-0912														
#20 Bldg 1450	12-0913														
#21 Bldg 1854	12-0914														
#22 Bldg A2	12-0915														
#25A Bldg 1775	12-0916														
#25B Bldg 1775	12-0917														
#24A Bldg H20	12-0918	6C	0.54	130	8,000	2.8	< 1	7.86							
#24B Bldg H20	12-0919	x	x	x	x	x	x	7.39							

x sample fraction lost

JTC Environmental Consultants, Inc.

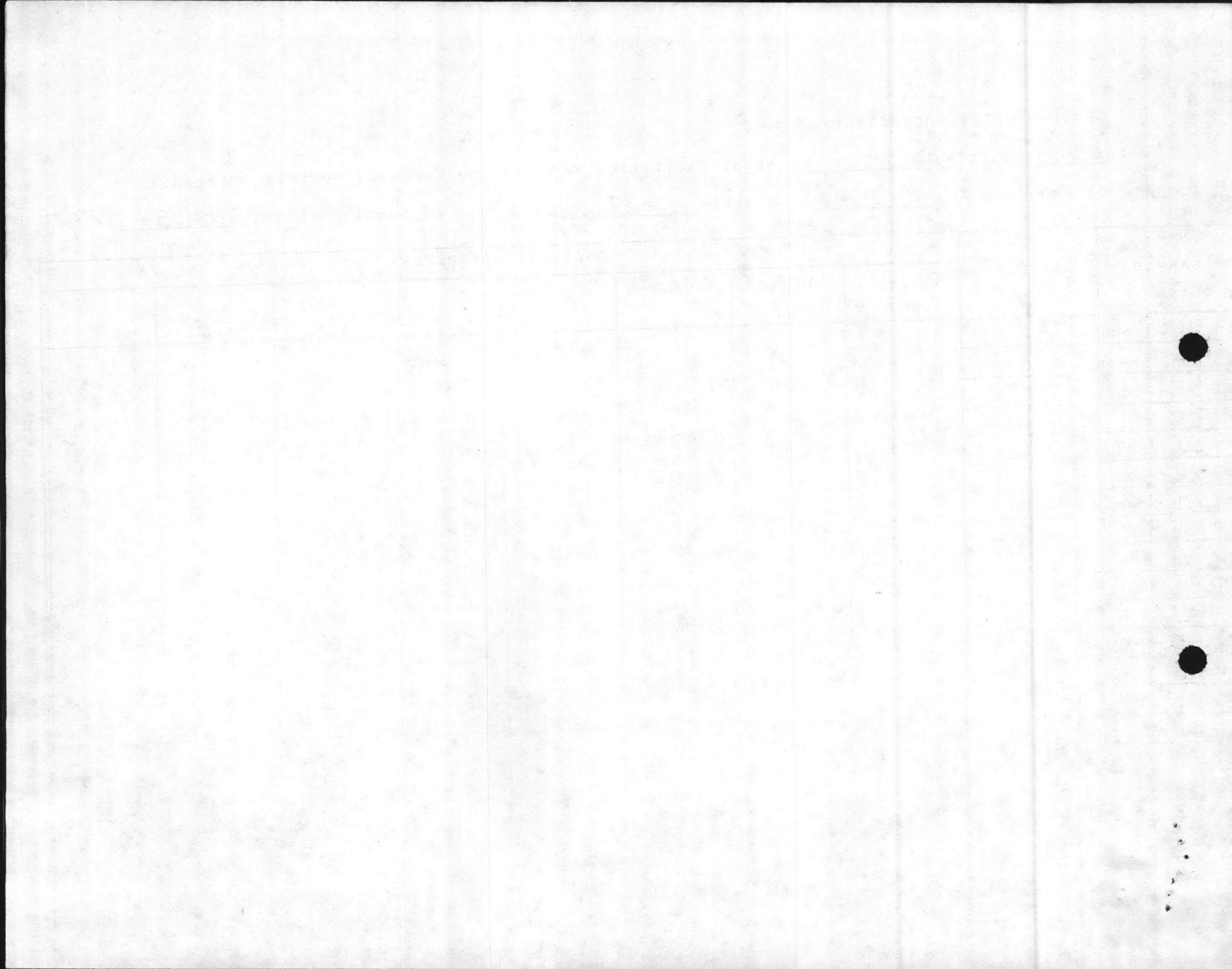
Date 6-28-85 Report No. 54 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-254

Table 3

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

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		Phenol ppm	PCB ug/g	VOA				
#4 Bldg 515 hanger	12-0763	20	< 1	See attached sheet				
#5 Bldg 518 hanger	12-0764							
#6 Bldg 504	12-0765							
#7 Bldg 504	12-0766							
#8 Bldg 4147	12-0767							
#9 Bldg 4100	12-0768							
#10 Bldg 4108 comp	12-0769							
#11 Bldg 4108	12-0770							
#12 Bldg 4106	12-0771	30	< 1	See attached sheet				
#13 Bldg 1601	12-0772							
#14 Bldg 1607	12-0773							
#15 Bldg 909	12-0774							
#16 Bldg 901	12-0775							
#17 Bldg 902	12-0776	15	< 1	See attached sheet				
#18 Bldg 1205-1206	12-0911							
#19 Bldg 1505-1506	12-0912							
#20 Bldg 1450	12-0913							
#21 Bldg 1854	12-0914							
#22 Bldg A2	12-0915							
#25A Bldg 1775	12-0916							
#25B Bldg 1775	12-0917							



JTC Environmental Consultants, Inc.

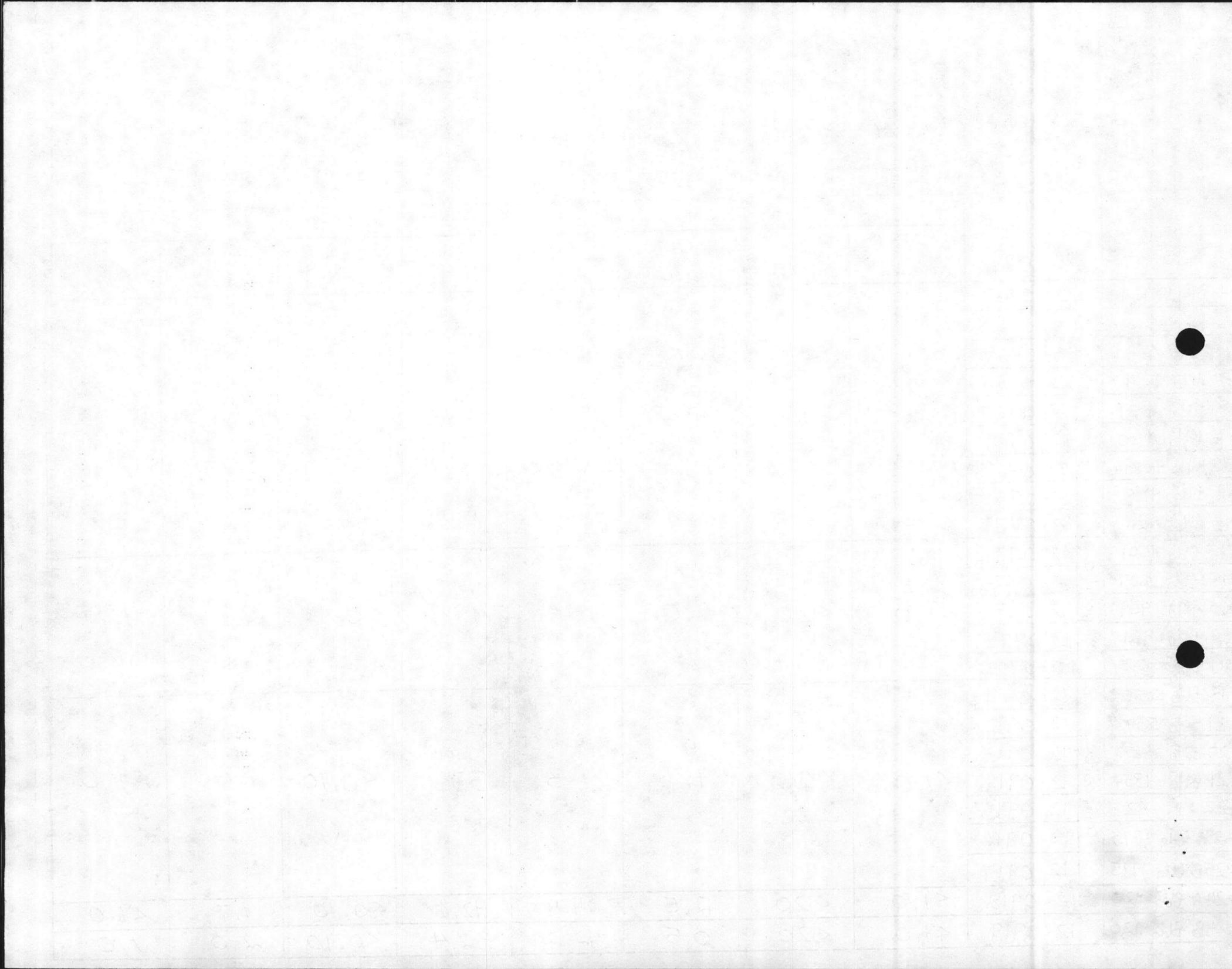
Date 6-28-85 Report No. 54 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-254

Table 4

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

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								
#4 Bldg 515 hanger	12-0763	<1.0	<20	<0.5	1.0	37.2	<0.10	<0.40	<1.0								
#5 Bldg 518 hanger	12-0764																
#6 Bldg 504	12-0765																
#7 Bldg 504	12-0766																
#8 Bldg 4147	12-0767																
#9 Bldg 4100	12-0768																
#10 Bldg 4108 comp	12-0769																
#11 Bldg 4108	12-0770																
#12 Bldg 4106	12-0771																
#13 Bldg 1601	12-0772																
#14 Bldg 1607	12-0773																
#15 Bldg 909	12-0774									<1.0	<20	6.0	1.4	48.9	<0.10	1.1	1.1
#16 Bldg 901	12-0775	<1.0	<20	4.7	4.3	336	<0.10	1.6	<1.0								
#17 Bldg 902	12-0776																
#18 Bldg 1205-1206	12-0911																
#19 Bldg 1505-1506	12-0912																
#20 Bldg 1450	12-0913																
#21 Bldg 1854	12-0914																
#22 Bldg A2	12-0915																
#25A Bldg 1775	12-0916																
#25B Bldg 1775	12-0917																
#24A Bldg H20	12-0918									<1.0	<20	2.5	24.4	42.6	<0.10	1.7	<1.0
#24B Bldg H20	12-0919									<1.0	<20	0.5	42.2	32.4	<0.10	2.0	1.0





JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 12-0918 PROJECT NO. NF-12
CLIENT SAMPLE ID 24A 1:5000 Dilution DATE RECEIVED 5/23/85
METHOD NO. 624 DETECTION LIMIT 50,000 ug/lit

PARAMETER	RESULT	PARAMETER	RESULT
	ug/lit		ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloropro- pylene	N.D.
4V benzene <u>60,800</u>	N.D.	38V ethylbenzene <u>61,100</u>	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride <u>2,930,000</u>	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloro- ethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	N.D.
14V 1,1,2-trichloro- ethane	N.D.	49V trichlorofluoro- methane	N.D.
15V 1,1,2,2-tetra- chloroethane	N.D.	50V dichlorodifluoro- methane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	N.D.	86V toluene <u>295,000</u>	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.
		total xylenes <u>261,000</u>	

N.D. = NOT DETECTED
N.A. = NOT APPLICABLE/ANALYZED

*Below method detection limit

W-12
RECEIVED 5/23/85
DATE: _____

RESULT	UNIT
N.D.	1,1,1-trichloroethane
N.D.	1,1,2-trichloroethane
N.D.	1,2-dichloroethane
2,980	1,1,1-trichloroethane
N.D.	1,1,2-trichloroethane
N.D.	1,2-dichloroethane
N.D.	1,1,1-trichloroethane
N.D.	1,1,2-trichloroethane
N.D.	1,2-dichloroethane
N.D.	1,1,1-trichloroethane
N.D.	1,1,2-trichloroethane
N.D.	1,2-dichloroethane
N.D.	1,1,1-trichloroethane
N.D.	1,1,2-trichloroethane
N.D.	1,2-dichloroethane
254,000	total xylene

21
8855H

Estimated Concentration
of the Compound

Estimated Concentration of the Compound

(4:2000 D. 11)

ESTIMATED CONCENTRATION
10000
5000
2500
1250
625
312.5
156.25
78.125
39.0625
19.53125
9.765625
4.8828125
2.44140625
1.220703125
0.6103515625
0.30517578125
0.152587890625
0.0762939453125
0.03814697265625
0.019073486328125
0.0095367431640625
0.00476837158203125
0.002384185791015625
0.0011920928955078125
0.00059604644775390625
0.000298023223876953125
0.0001490116119384765625
0.00007450580596923828125
0.000037252902984619140625
0.0000186264514923095703125
0.00000931322574615478515625
0.000004656612873077392578125
0.0000023283064365386962890625
0.00000116415321826934814453125
0.000000582076609134674072265625
0.0000002910383045673370361328125
0.00000014551915228366851806640625
0.000000072759576141834259033203125
0.0000000363797880709171295166015625
0.00000001818989403545856475830078125
0.000000009094947017729282379150390625
0.0000000045474735088646411895751953125
0.00000000227373675443232059478759765625
0.000000001136868377216160297393798828125
0.0000000005684341886080801486968994140625
0.00000000028421709430404007434844970703125
0.000000000142108547152020037174224853515625
0.0000000000710542735760100185871124267578125
0.00000000003552713678800500929355621337890625
0.000000000017763568394002504646778106689453125
0.0000000000088817841970012523233890533447265625
0.0000000000044408920985006261616945266723828125
0.00000000000222044604925031308084726333619140625
0.000000000001110223024625156540423631668095703125
0.0000000000005551115123125782702118158334028515625
0.000000000000277555756156289135105907916701428125
0.0000000000001387778780781445675529539583507140625
0.00000000000006938893903907228377647697917535703125
0.000000000000034694469519536141888238489587678515625
0.00000000000001734723475976807094411924479383928125
0.000000000000008673617379884045472059622396919140625
0.0000000000000043368086899420227360298111959595703125
0.000000000000002168404344971011368014905597978828125
0.0000000000000010842021724855056840074527989894140625
0.000000000000000542101086242752842003726399470703125
0.0000000000000002710505431213764210018631997353515625
0.00000000000000013552527156068821050093159867678125
0.000000000000000067762635780344105250465989338390625
0.0000000000000000338813178901720526252329946681953125
0.00000000000000001694065894508602631261649733344765625
0.0000000000000000084703294725430131563082486667238125
0.00000000000000000423516473627150657815412243336190625
0.000000000000000002117582368135753289077061216680953125
0.00000000000000000105879118406787664453853060834028125
0.000000000000000000529395592033938322269265304170140625
0.0000000000000000002646977960169691611346326520850703125
0.00000000000000000013234889800848458056731632604253515625
0.0000000000000000000661744490042422902836581630212678125
0.00000000000000000003308722450212114514182908150113390625
0.000000000000000000016543612251060572570914540750566953125
0.00000000000000000000827180612553028628545727037528346875
0.0000000000000000000041359030627651431427286351876416734375
0.00000000000000000000206795153138257157136141759382083671875
0.00000000000000000000103397576569128578568070879691041839375
0.000000000000000000000516987882845642892840354398455209196875
0.0000000000000000000002584939414228214464201771992276045984375
0.0000000000000000000001292469707114107223210085996113022796875
0.0000000000000000000000646234853557053611605042998056513989375
0.00000000000000000000003231174267785268058025144990282569946875
0.000000000000000000000016155871338926340290125724995128249734375
0.0000000000000000000000080779356694631701450628624997564248671875
0.0000000000000000000000040389678347315850725314312499878224339375
0.000000000000000000000002019483917365792536265715624999391121696875
0.000000000000000000000001009741958682896268132857812499969556084375
0.0000000000000000000000005048709793414481340664289062499984778021875
0.00000000000000000000000025243548967072406703321445312499992389009375
0.000000000000000000000000126217744835362033516610726562499996194546875
0.0000000000000000000000000631088724176810167583053632812499998097274375
0.0000000000000000000000000315544362088405083791526816406249999904861196875
0.0000000000000000000000000157772181044202541895763408203124999995243059375
0.000000000000000000000000007888609052210127094788170410156249999976215296875
0.0000000000000000000000000039443045261050635473940852052812499999881076484375
0.00000000000000000000000000197215226305253177369704260264062499999940532321875
0.000000000000000000000000000986076131526265886848521301320312499999970261109375
0.000000000000000000000000000493038065763132943442410650661015624999999851305546875
0.0000000000000000000000000002465190328815664717212053253305281249999999256527734375
0.0000000000000000000000000001232595164407832358606026626652640624999999962813886875
0.0000000000000000000000000000616297582203916179303013313327632031249999999814069434375
0.0000000000000000000000000000308148791101958089651506656665131601562499999999070347171875
0.000000000000000000000000000015407439555097904482575082833275658062499999999535173859375
0.00000000000000000000000000000770371977754895224128754141663782901562499999999767586946875
0.00000000000000000000000000000385185988877447612064377070831894531249999999988379347434375
0.000000000000000000000000000001925929944387238060321885354159472656249999999941896737171875
0.0000000000000000000000000000009629649721936190301609426770797363203124999999997094836859375
0.00000000000000000000000000000048148248609680951504804733853986816015624999999998547418296875
0.000000000000000000000000000000240741243048404757524023669269934062499999999927372091484375
0.00000000000000000000000000000012037062152420237876201183463499680312499999999636860472421875
0.000000000000000000000000000000060185310762101189381005917317498401562499999999318430236214375
0.0000000000000000000000000000000300926553810505946905029586587480062499999999809215118109375
0.00000000000000000000000000000001504632769052529734525147932937400312499999999404575590546875
0.0000000000000000000000000000000075231638452626486726257396646870015624999999997022877952734375
0.00000000000000000000000000000000376158192263132433631286983234350062499999999851143897636875
0.00000000000000000000000000000000188079096131566216815614349167175003124999999997007194881814375
0.000000000000000000000000000000000940395480657831084078071745835875006249999999985035974409071875
0.00000000000000000000000000000000047019774032891554203903587291793750031249999999970017987204536875
0.000000000000000000000000000000000235098870164457771019517936458968750062499999999850089936022684375
0.000000000000000000000000000000000117549435082228885509758968229484375003124999999997500449680113421875
0.00000000000000000000000000000000005877471754111444275487948411472218750062499999999875002248400567109375
0.000000000000000000000000000000000029387358770557221377439742057361093750031249999999968750112420028355364375
0.0000000000000000000000000000000000146936793852786106887219870286805468750062499999999843750056210014177681875
0.0000000000000000000000000000000000073468396926393053443609935143440234375003124999999997187500281050070888409375
0.00000000000000000000000000000000000367341984631965267218049675717220168750062499999999859375001405250354442046875
0.000000000000000000000000000000000001836709923159826336090248378586100843750031249999999972968750007026251772210234375
0.000000000000000000000000000000000000918354961579913168045124189293050421875006249999999986484375000351312588610516875
0.000000000000000000000000000000000000459177480789956584022562094646525210937500312499999999732421875000175656294305084375
0.000000000000000000000000000000000000229588740394978292011281047323276255468750062499999999866109375000087828147152541875
0.0000000000000000000000000000000000001147943701974891460056405236616381277343750031249999999973305468750000439140735762709375
0.0000000000000000000000000000000000000573971850987445730028202618308191638687500624999999998665273437500002195703678813546875
0.000000000000000000000000000000000000028698592549372286501410130915409581934375003124999999997332636875000010978518394067734375
0.000000000000000000000000000000000000014349296274686143250705065455770490967187500624999999998666318437500000548925919703386875
0.0000000000000000000000000000000000000071746481373430716253525327278852454839375003124999999997333159375000002744629598516934375
0.0000000000000000000000000000000000000035873240686715358126762663639426227419687500624999999998666579687500000137231479925846875
0.00000000000000000000000000000000000000179366203433576790633813318197131137093750031249999999973333196875000000686157399629234375
0.00000000000000000000000000000000000000089683101716788395316690659098565568546875006249999999986666598437500000034307869981461875
0.000000000000000000000000000000000000000448415508583941976834503295492827827234375003124999999997333331968750000001715393499072934375
0.0000000000000000000000000000000000000002242077542919709884167251647461413911687500624999999998666665984375000000085769674953646875
0.0000000000000000000000000000000000000001121038771459854942083625823730706955843750031249999999973333331968750000000428848374768234375
0.0056051938572992747104181291186535347791875006249999999986666665984375000000021442418738411875
0.0028025969286496373552090645593267673895937500312499999999733333331968750000000107212093692059375
0.00140129846432481867760453227966338369479687500624999999998666666659843750000000053606046846029375
0.00070064923216240933880226613983169184739843750031249999999973333333319687500000000268030234230146875
0.000350324616081204669401133069915847369479687500624999999998666666665984375000000001340151171150734375
0.000175162308040602334700566534957921869479687500312499999999733333333319687500000000067007558557536875
0.00875811540203011673502832674789609473694796875006249999999986666666665984375000000000335037792787684375
0.00437905770101505836751416337394804736947968750031249999999973333333333196875000000000167518896393841875
0.002189528850507529183757081686974402369479687500624999999998666666666659843750000000000837594481969209375
0.001094764425253764591878540843487201184736947968750031249999999973333333333319687500000000004187972409846046875
0.000547382212626882295939270421723600592369479687500624999999998666666666665984375000000000020939862049230234375
0.0002736911063134411479696352108618002961847369479687500312499999999733333333333319687500000000001046993102461511875
0.00



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 12-0919 PROJECT NO. NF-12
CLIENT SAMPLE ID 24B 1:5000 Dilution DATE RECEIVED 5/23/85
METHOD NO. 624 DETECTION LIMIT 50,000 ug/lit

PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloropro- pylene	N.D.
4V benzene <u>86,400</u>	N.D.	38V ethylbenzene <u>146,000</u>	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride <u>5,500,000</u>	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloro- ethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	N.D.
14V 1,1,2-trichloro- ethane	N.D.	49V trichlorofluoro- methane	N.D.
15V 1,1,2,2-tetra- chloroethane	N.D.	50V dichlorodifluoro- methane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	N.D.	86V toluene <u>523,000</u>	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.
		total xylenes	<u>743,000</u>

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED

*Below method detection limit

Client Report No. 54JTC Report No. 85-254

TENTATIVELY IDENTIFIED COMPOUNDS

Laboratory Sample ID 12-0919 Client Sample ID 24B (1:5000 Dilution)

COMPOUND	ESTIMATED CONCENTRATION
1,1,2-trichloro-1,2,2-trifluoroethane	1,320,000 ng/l
pentane	149,000
3-hexene	16,900
C ₆ H ₁₂	133,000
C ₆ H ₁₄	75,400
3-methyl pentane	200,000
2-methyl pentane	538,000
hexane	207,000
methylcyclohexane	249,000
2,3-dimethyl pentane	52,200
3-methyl hexane	221,000
2-methyl hexane	193,000
2,5-dimethyl heptane	592,000
2-methyl heptane	111,000
Trimethylcyclohexane	128,000
Ethyl-methyl-cyclohexane	38,600

11/1/2002

11/1/2002

11/1/2002

DATE	DESCRIPTION	AMOUNT	BALANCE
11/1/02
11/2/02
11/3/02
11/4/02
11/5/02
11/6/02
11/7/02
11/8/02
11/9/02
11/10/02
11/11/02
11/12/02
11/13/02
11/14/02
11/15/02
11/16/02
11/17/02
11/18/02
11/19/02
11/20/02
11/21/02
11/22/02
11/23/02
11/24/02
11/25/02
11/26/02
11/27/02
11/28/02
11/29/02
11/30/02



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

IN REPLY REFER TO:

6241/2
NREAD
6 August 1985

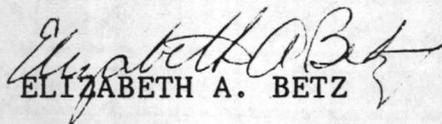
From: Supervisory Chemist, Water Quality Control Lab, Environmental Branch
To: Director, Natural Resources and Environmental Affairs Division
Via: Supervisory Ecologist, Environmental Branch

Subj: WASTE OIL ANALYSIS

Ref: (a) BMO ltr 11260 MAIN of 31 July 1984

Encl: (1) Excerpts from JTC Environmental Consultants, Inc.
Report No. 54 Dated 6-28-85

1. The enclosure provides data requested by the reference for the two waste oil storage tanks at the old hospital, Bldg H-20.


ELIZABETH A. BETZ



02
1982

1982

1982

EXCERPTS FROM JTC ENVIRONMENTAL CONSULTANTS, INC.
REPORT NO. 54 DATED 6-28-85

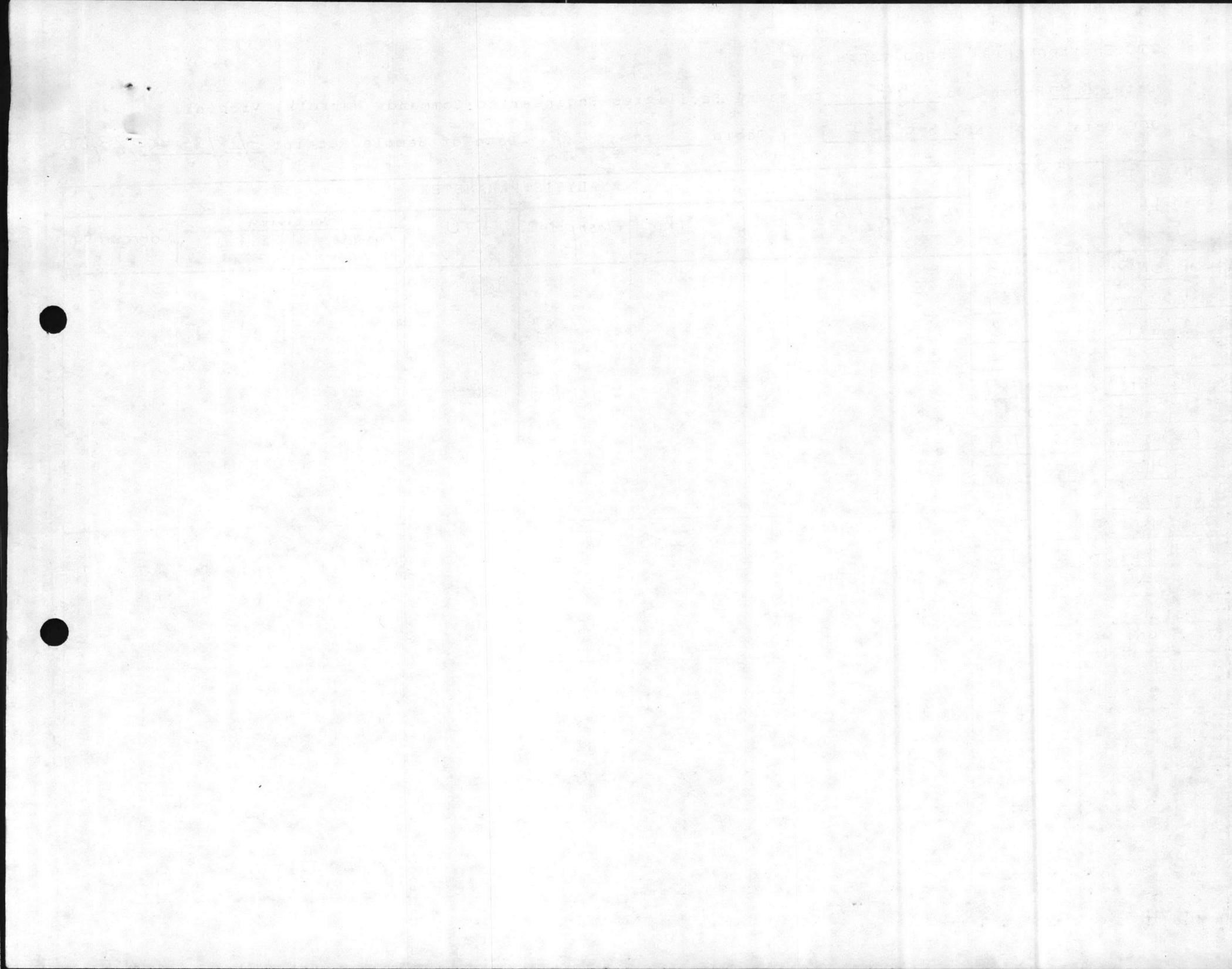
COMPILED BY ELIZABETH A. BETZ
6 August 1985

Please note the following:

Navy sample ID #24A & B are from waste oil storage tanks at the old hospital near Bldg H-20.

(ENCLOSURE 1)



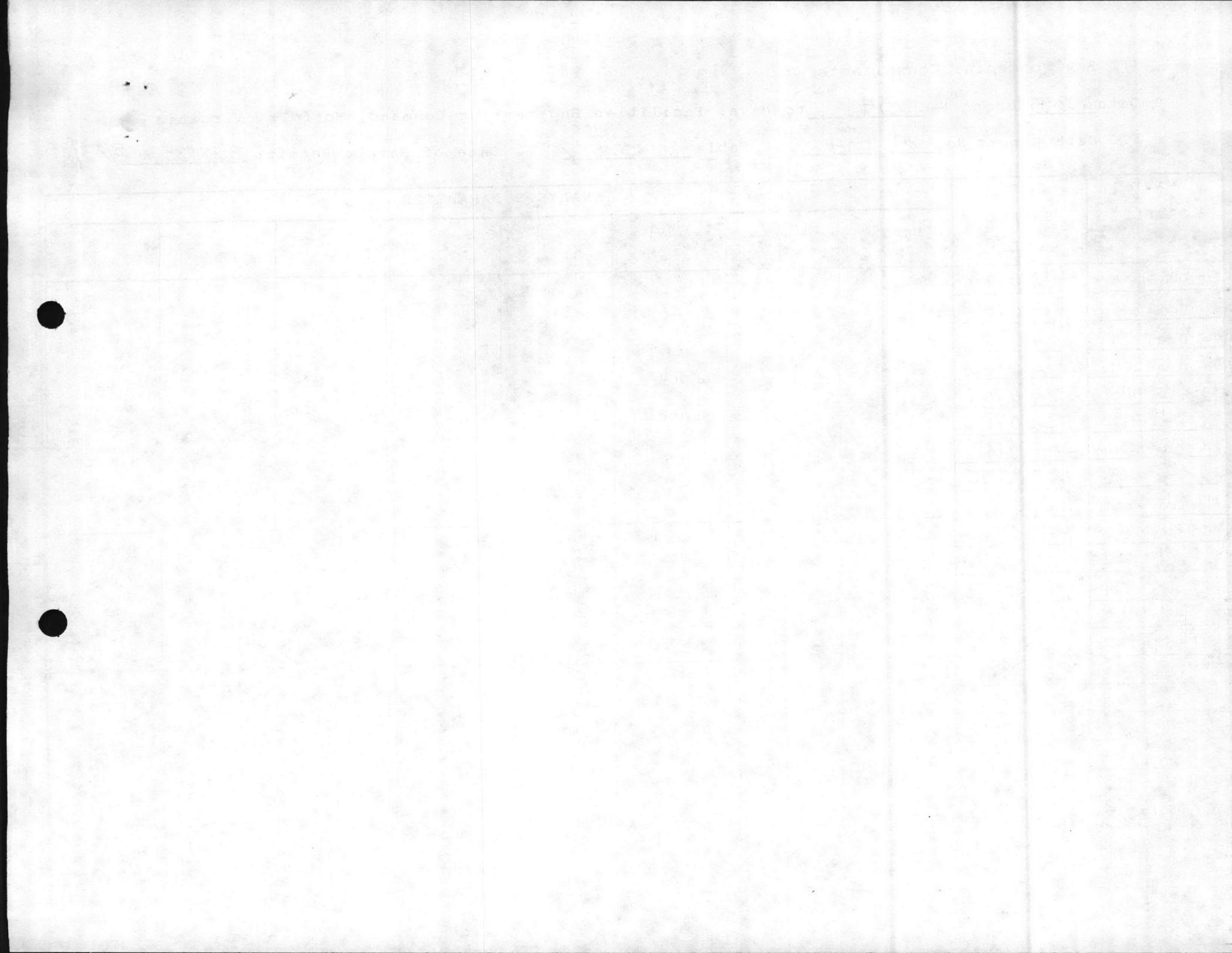


JTC Environmental Consultants, Inc.

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

JTC Data Report No. 85-254 Table 3 Date of Sample Receipt 3/28/85 + 5/23/85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		Phenol ppm	PCB ug/g	VOA				
#4 Bldg 515 hanger	12-0763	20	< 1	VOA + See attached sheet				
#5 Bldg 518 hanger	12-0764							
#6 Bldg 504	12-0765							
#7 Bldg 504	12-0766							
#8 Bldg 4147	12-0767							
#9 Bldg 4100	12-0768							
#10 Bldg 4108 comp	12-0769							
#11 Bldg 4108	12-0770							
#12 Bldg 4106	12-0771							
#13 Bldg 1601	12-0772	30	< 1	See attached sheet				
#14 Bldg 1607	12-0773							
#15 Bldg 909	12-0774							
#16 Bldg 901	12-0775							
#17 Bldg 902	12-0776							
#18 Bldg 1205-1206	12-0911	15	< 1	VOA + See attached sheet				
#19 Bldg 1505-1506	12-0912							
#20 Bldg 1450	12-0913							
#21 Bldg 1854	12-0914							
#22 Bldg A2	12-0915							
#25A Bldg 1775	12-0916							
#25B Bldg 1775	12-0917							
#24A Bldg H20	12-0918	510	< 1	" +				
#24B Bldg H20	12-0919	x	< 1	" +				

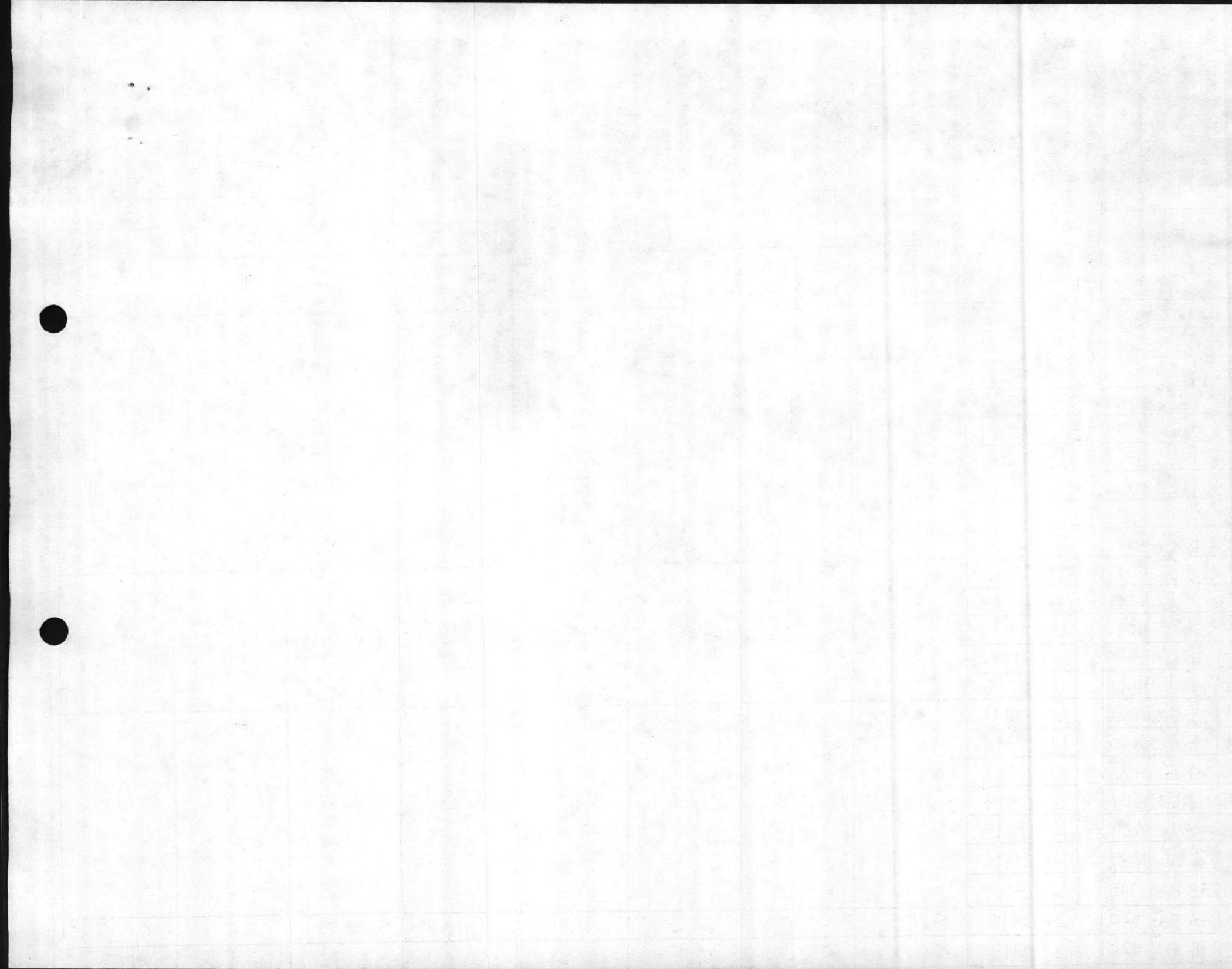


JTC Environmental Consultants, Inc.

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

JTC Data Report No. 85-254 Table 4 Date of Sample Receipt 3/28/85 + 5/23/85

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								
#4 Bldg 515 hanger	12-0763	<1.0	<20	<0.5	1.0	37.2	<0.10	<0.40	<1.0								
#5 Bldg 518 hanger	12-0764																
#6 Bldg 504	12-0765																
#7 Bldg 504	12-0766																
#8 Bldg 4147	12-0767																
#9 Bldg 4100	12-0768																
#10 Bldg 4108 comp	12-0769																
#11 Bldg 4108	12-0770																
#12 Bldg 4106	12-0771																
#13 Bldg 1601	12-0772									<1.0	<20	6.0	1.4	48.9	<0.10	1.1	1.1
#14 Bldg 1607	12-0773																
#15 Bldg 909	12-0774																
#16 Bldg 901	12-0775																
#17 Bldg 902	12-0776																
#18 Bldg 1205-1206	12-0911	<1.0	<20	4.7	4.3	336	<0.10	1.6	<1.0								
#19 Bldg 1505-1506	12-0912																
#20 Bldg 1450	12-0913																
#21 Bldg 1854	12-0914																
#22 Bldg A2	12-0915																
#25A Bldg 1775	12-0916																
#25B Bldg 1775	12-0917																
#24A Bldg H20	12-0918	<1.0	<20	2.5	24.4	42.6	<0.10	1.7	<1.0								
#24B Bldg H20	12-0919	<1.0	<20	0.5	42.2	32.4	<0.10	2.0	1.0								





JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

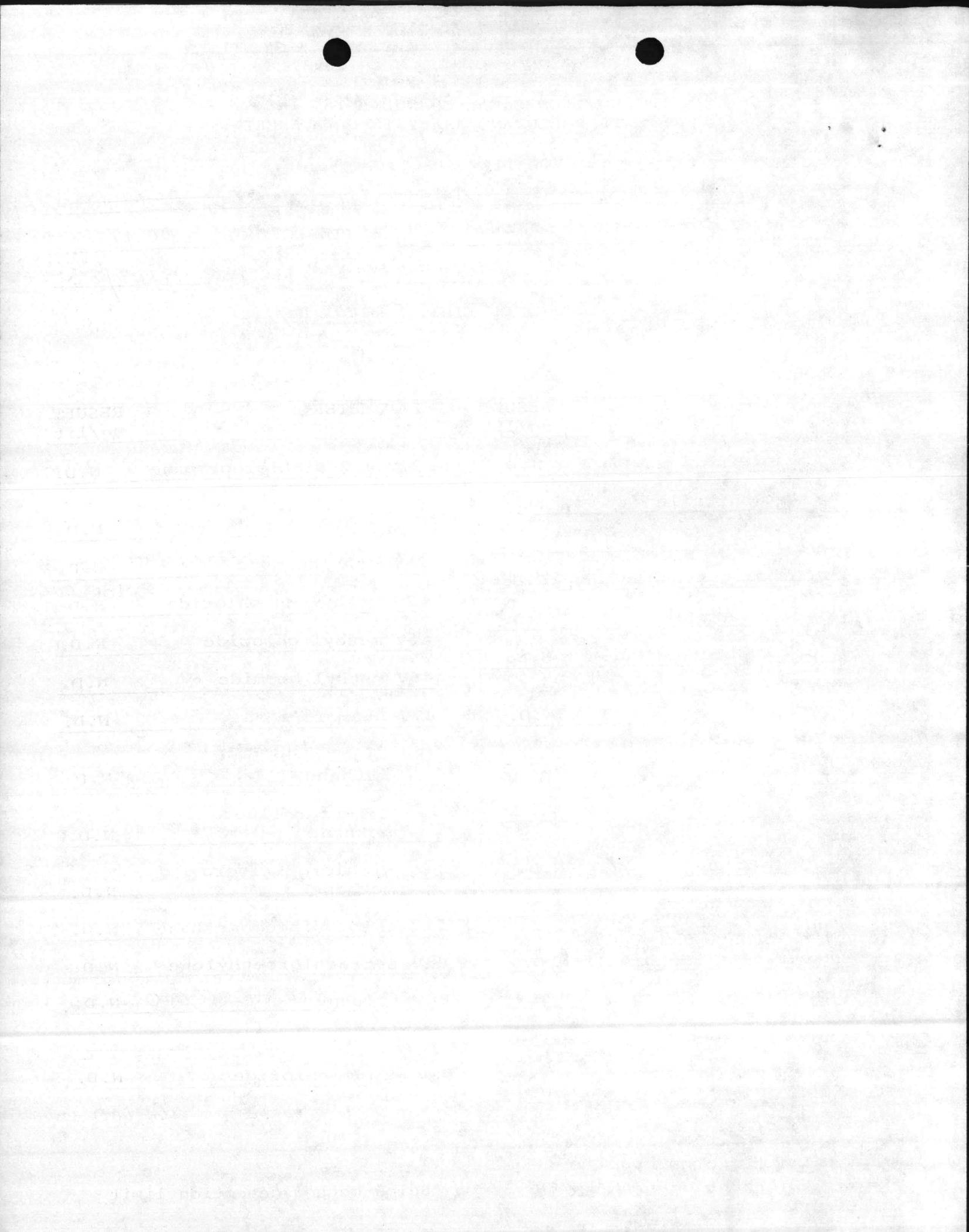
JTC SAMPLE # 12-0918 PROJECT NO. NF-12
CLIENT SAMPLE ID 24A 1:5000 Dilution DATE RECEIVED 5/23/85
METHOD NO. 624 DETECTION LIMIT 50,000 ug/lit

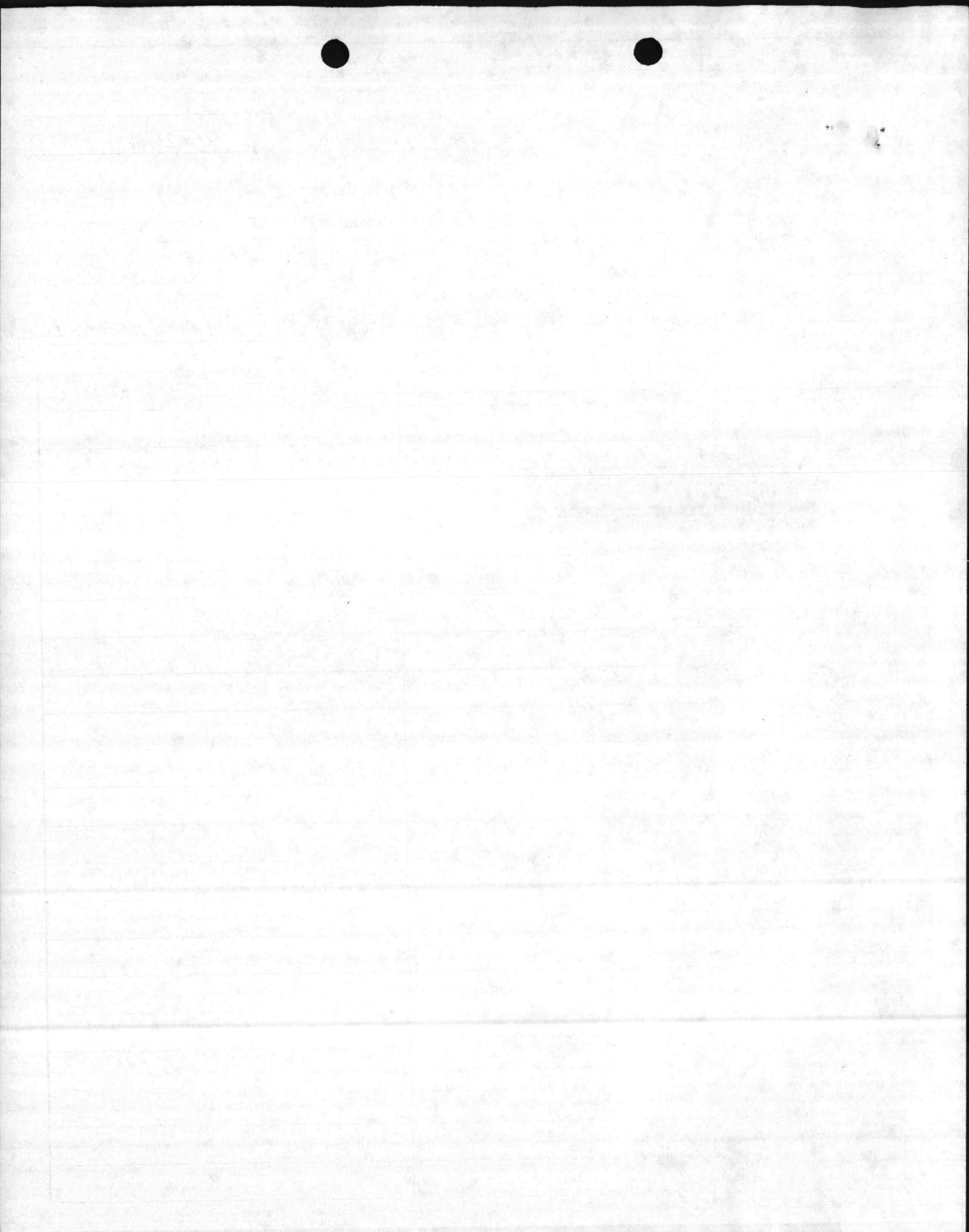
PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloropro- pylene	N.D.
4V benzene <u>60,800</u>	N.D.	38V ethylbenzene <u>61,100</u>	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride <u>2,930,000</u>	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloro- ethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	N.D.
14V 1,1,2-trichloro- ethane	N.D.	49V trichlorofluoro- methane	N.D.
15V 1,1,2,2-tetra- chloroethane	N.D.	50V dichlorodifluoro- methane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	N.D.	86V toluene <u>295,000</u>	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.

total xylenes 261,000

N.D. = NOT DETECTED
N.A. = NOT APPLICABLE/ANALYZED

*Below method detection limit







JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

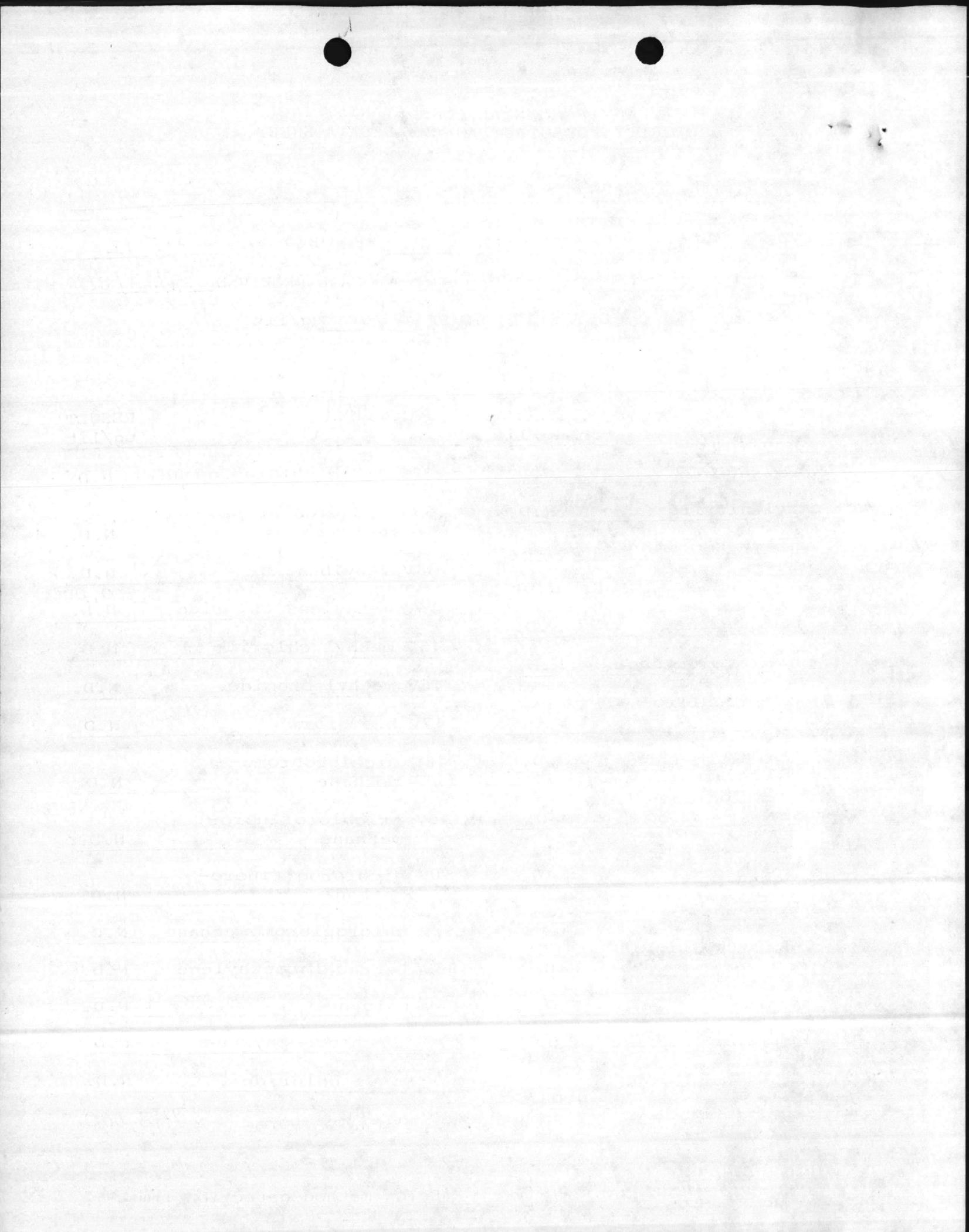
JTC SAMPLE # 12-0919 PROJECT NO. NF-12
CLIENT SAMPLE ID 24B 1:5000 Dilution DATE RECEIVED 5/23/85
METHOD NO. 624 DETECTION LIMIT 50,000 ug/lit

PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloropro- pylene	N.D.
4V benzene <u>86,400</u>	N.D.	38V ethylbenzene <u>146,000</u>	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride <u>5,500,000</u>	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloro- ethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	N.D.
14V 1,1,2-trichloro- ethane	N.D.	49V trichlorofluoro- methane	N.D.
15V 1,1,2,2-tetra- chloroethane	N.D.	50V dichlorodifluoro- methane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	N.D.	86V toluene <u>523,000</u>	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.
		total xylenes <u>743,000</u>	

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED

*Below method detection limit

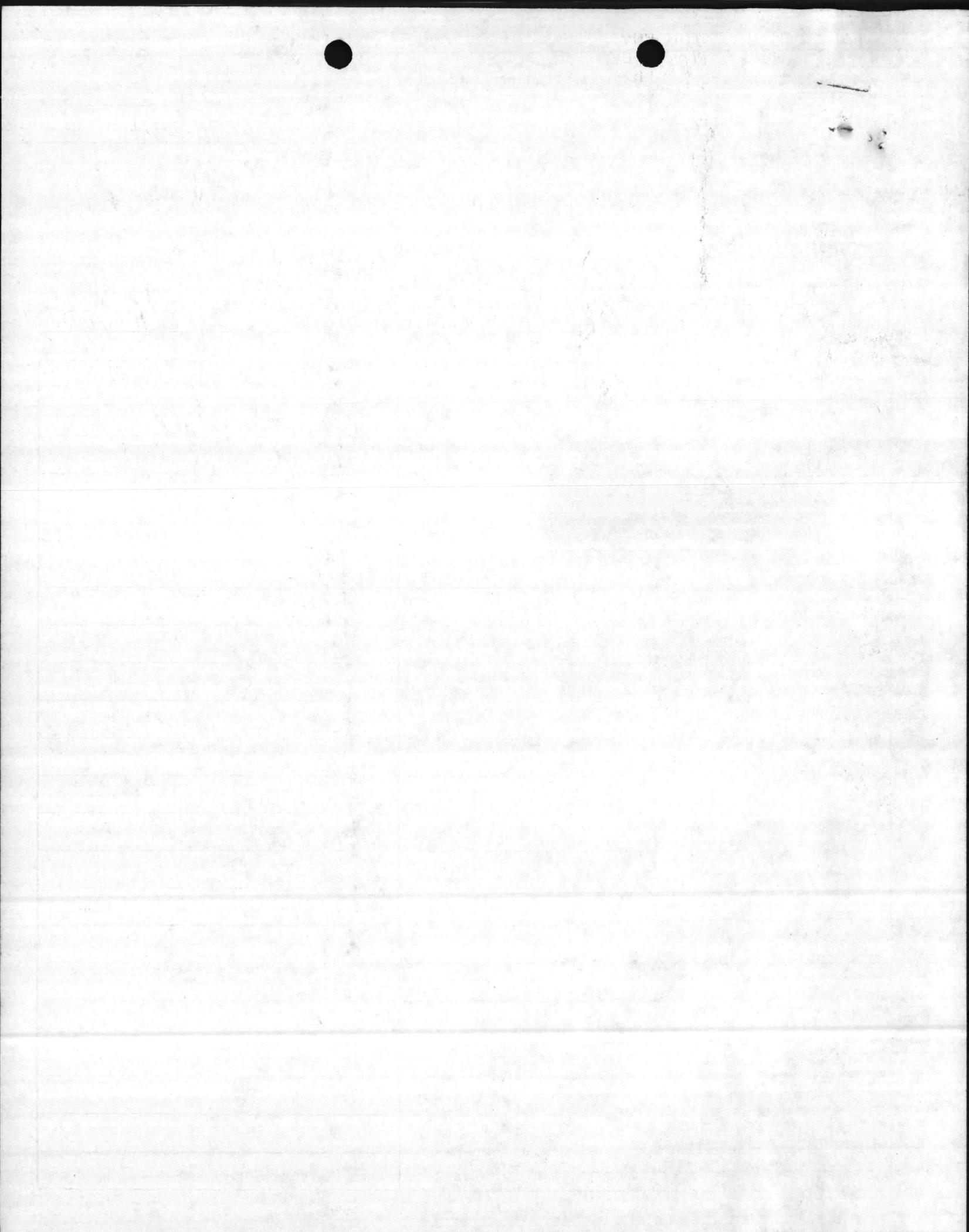


Client Report No. 54JTC Report No. 85-254

TENTATIVELY IDENTIFIED COMPOUNDS

Laboratory Sample ID 12-0919 Client Sample ID 24 B (1:5000 Dilution)

COMPOUND	ESTIMATED CONCENTRATION
1,1,2-trichloro-1,2,2-trifluoroethane	1,320,000 ng/l
pentane	149,000
3-hexene	16,900
C ₆ H ₁₂	133,000
C ₆ H ₁₄	75,400
3-methyl pentane	200,000
2-methyl pentane	538,000
hexane	207,000
methylcyclohexane	249,000
2,3-dimethyl pentane	52,200
3-methyl hexane	221,000
2-methyl hexane	193,000
2,5-dimethyl heptane	592,000
2-methyl heptane	111,000
Trimethylcyclohexane	128,000
Ethyl-methyl-cyclohexane	38,600



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

8-1-84
Date

From: Director

To: *Dan*

Subj: *Waste Oil Sampling*

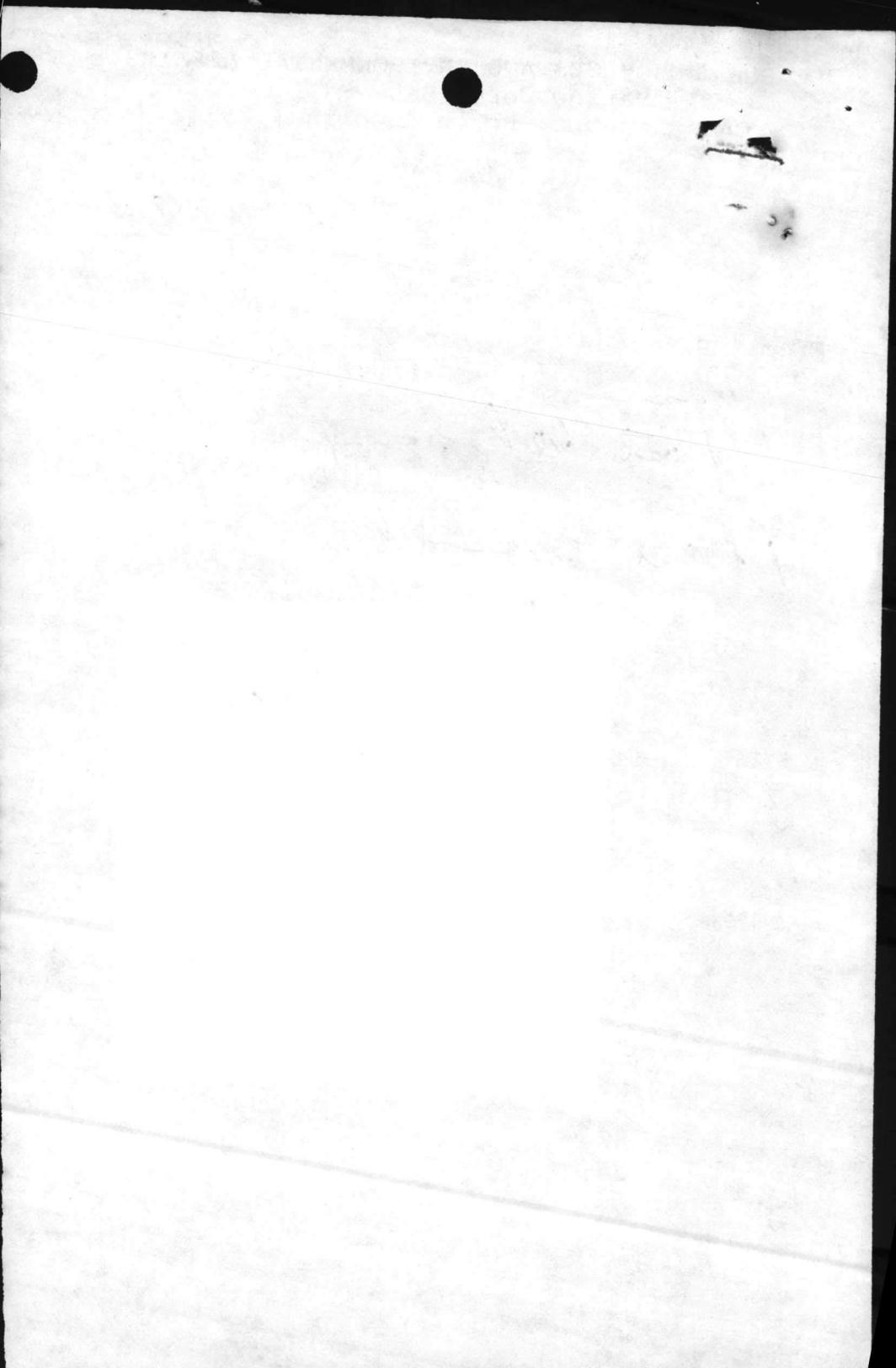
Please handle.

Sampled 3/27/85

Sample number

24A-B

H



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

8-1-84
Date

From: Director

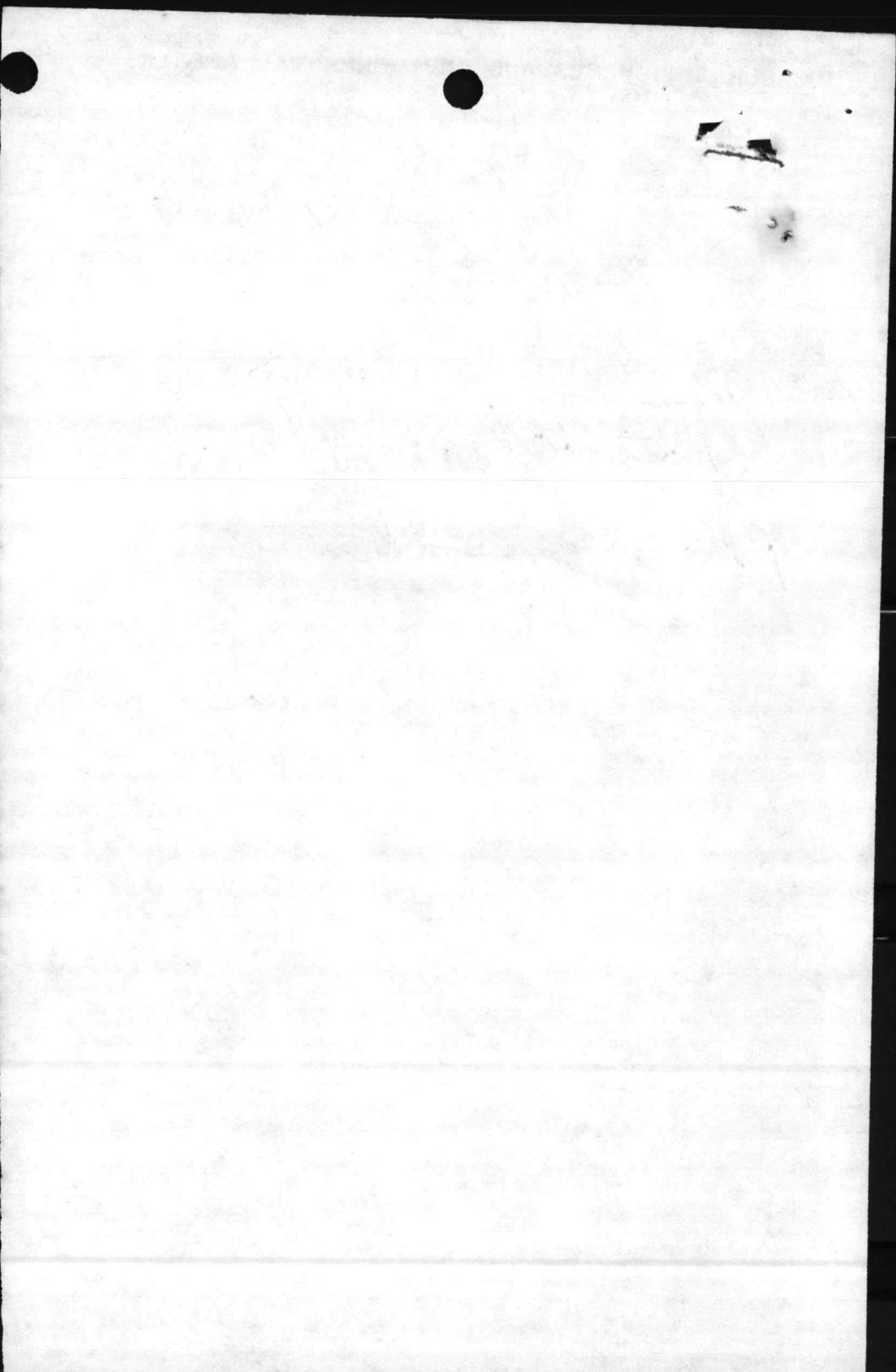
To:

Subj:

DPJ
Dan
Waste Oil Sampling

Please handle.

Juban





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

IN REPLY REFER TO
11260
MAIN

JUL 31 1984

From: Base Maintenance Officer
To: NREA

Subj: WASTE OIL ANALYSIS

1. We request that two underground tanks at the old hospital be analyzed for immediate deposition.

R. E. Avant
R. E. AVANT
By direction

11380
MIAM

From: Maintenance Officer
To: MIAM

Subject: WASTE OIL ANALYSIS

The report that two underground tanks at the old hospital
be analyzed for immediate deposition.

R. E. AVANT
Director

11260
MAIN

JUL 31 1984

From: Base Maintenance Officer
To: NREA:

Subj: WASTE OIL ANALYSIS

1. We request that two underground tanks at the old hospital
by analyzed for immediate deposition.

R. E. AVANT
By direction

11380
MAIN

From: Base Maintenance Officer
To: NREA:

Subj: WASTE OIL ANALYSIS

1. We request that two underground tanks at the old hospital
be analyzed for immediate deposition.

R. E. AVANT
By direction

OLD HOSPITAL TANKS

6241/2A

