

HAZARDOUS
WASTE



REPORT # 252
LABORATORY ANALYSIS ON
NAVAL SAMPLES
(A/E CONTRACT N62470-84-B-6932)
JTC REPORT # 86-209

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

APRIL 23, 1986

Ann E Rosecrance

Ann E. Rosecrance
Laboratory Director



REPORT # 252
LABORATORY ANALYSIS ON
NAVAL SAMPLES
(A/E CONTRACT N62470-84-B-6932)
JTC REPORT # 86-209

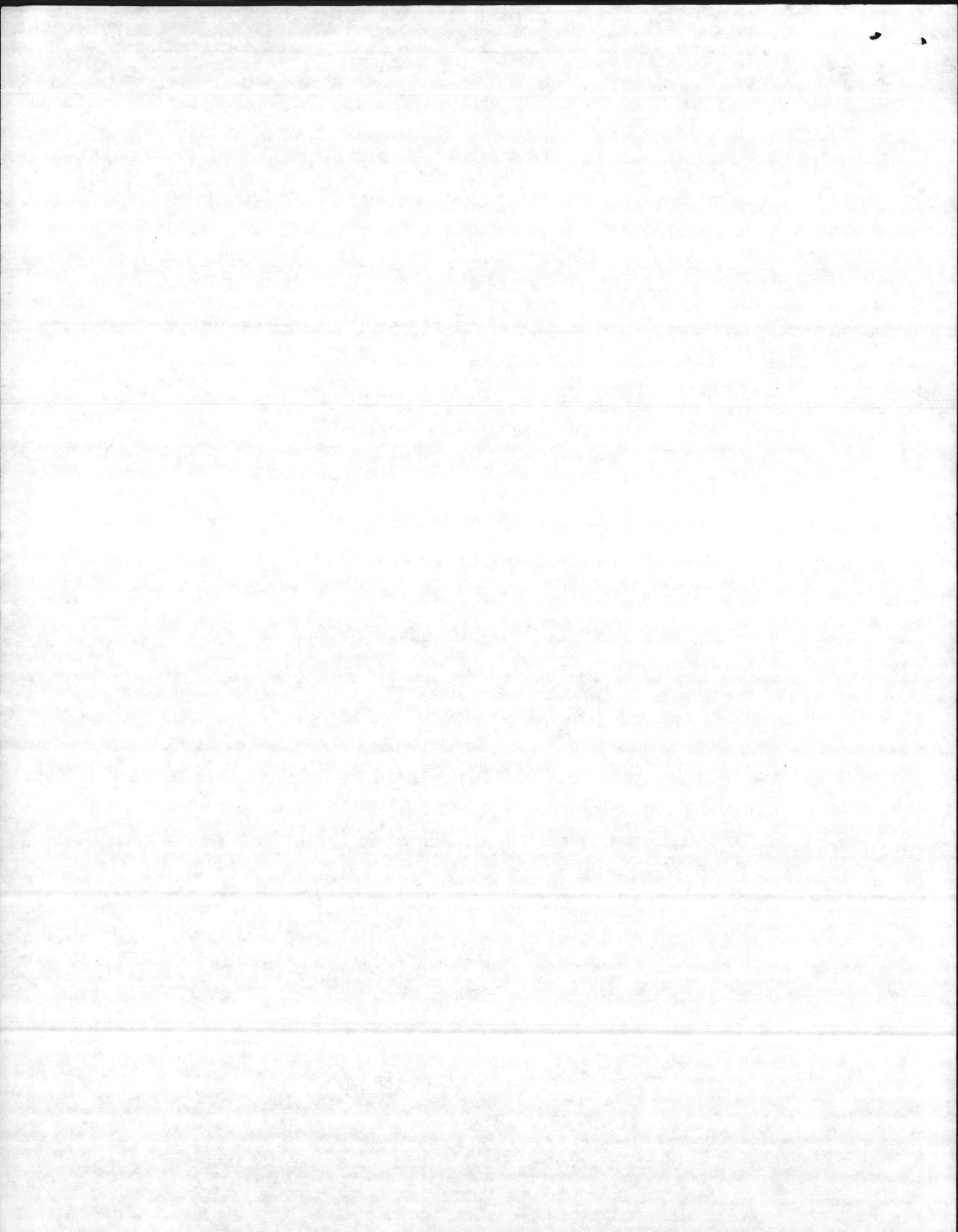
PREPARED FOR:
DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VA 23511

PREPARED BY:
JTC ENVIRONMENTAL CONSULTANTS, INC.
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ROCKVILLE, MARYLAND 20850

APRIL 23, 1986

Ann E Rosecrance

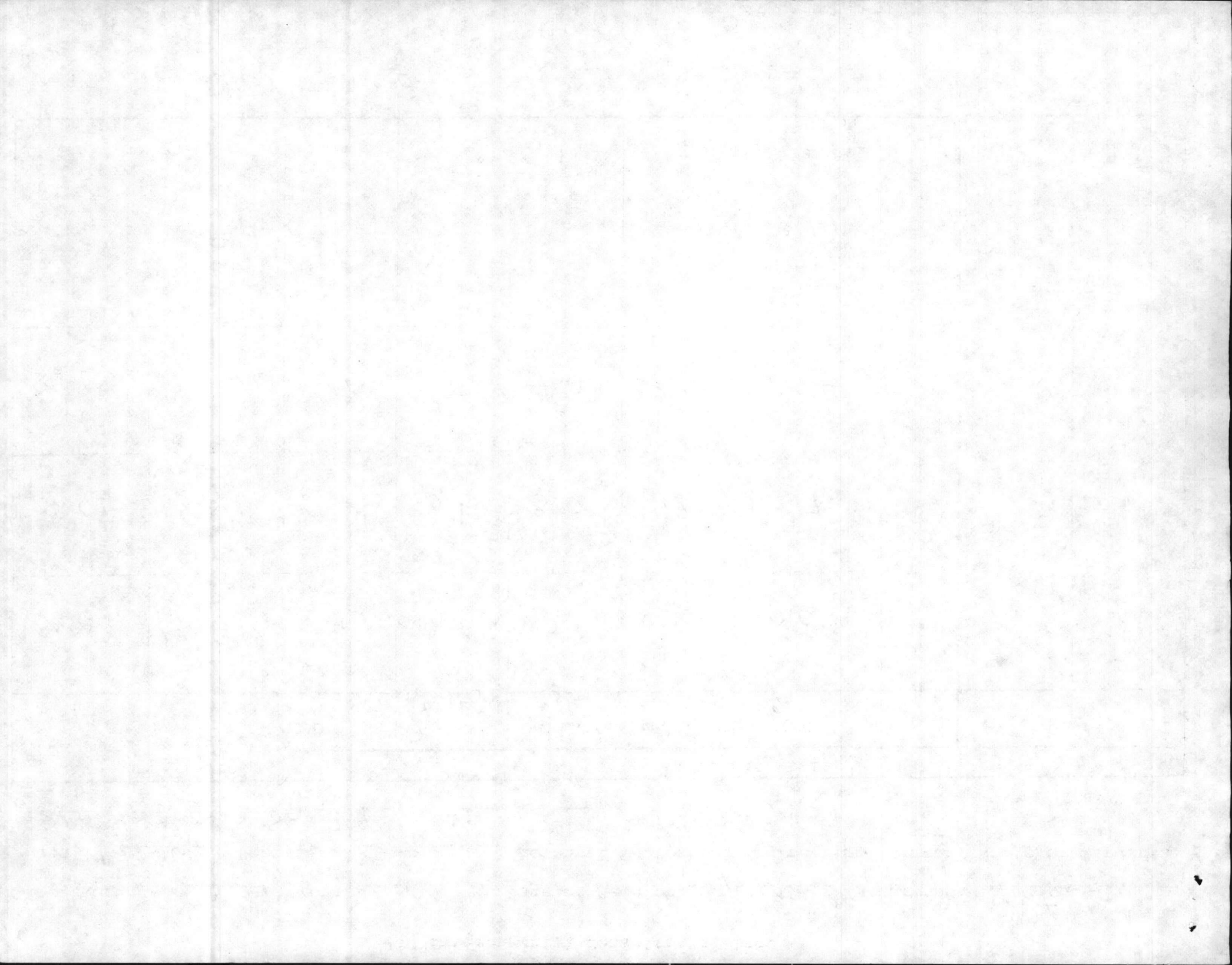
Ann E. Rosecrance
Laboratory Director



Location: Camp Lejeune Date of Receipt: 3/18/86 Turnaround: routine
 Date: 4-23-86 Report No. 252 to Naval Facilities Engineering Command, Norfolk, Virginia
 JTC Data Report No. 86-209 Table 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		pH	Cyanide mg/kg	Sulfide mg/l	Flashpoint °C	TOX * %		
86-01	12-2318	1.93	<0.5	120	Flame at ~70	<0.01		
86-02	12-2319	5.50	<0.5	310	42	5.77		
86-03	12-2320	3.58	1.7	460	>100	0.04		

* Test according to ASTM D808



1000

1000

1000

1000

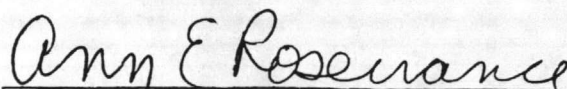
16 JUN 1987

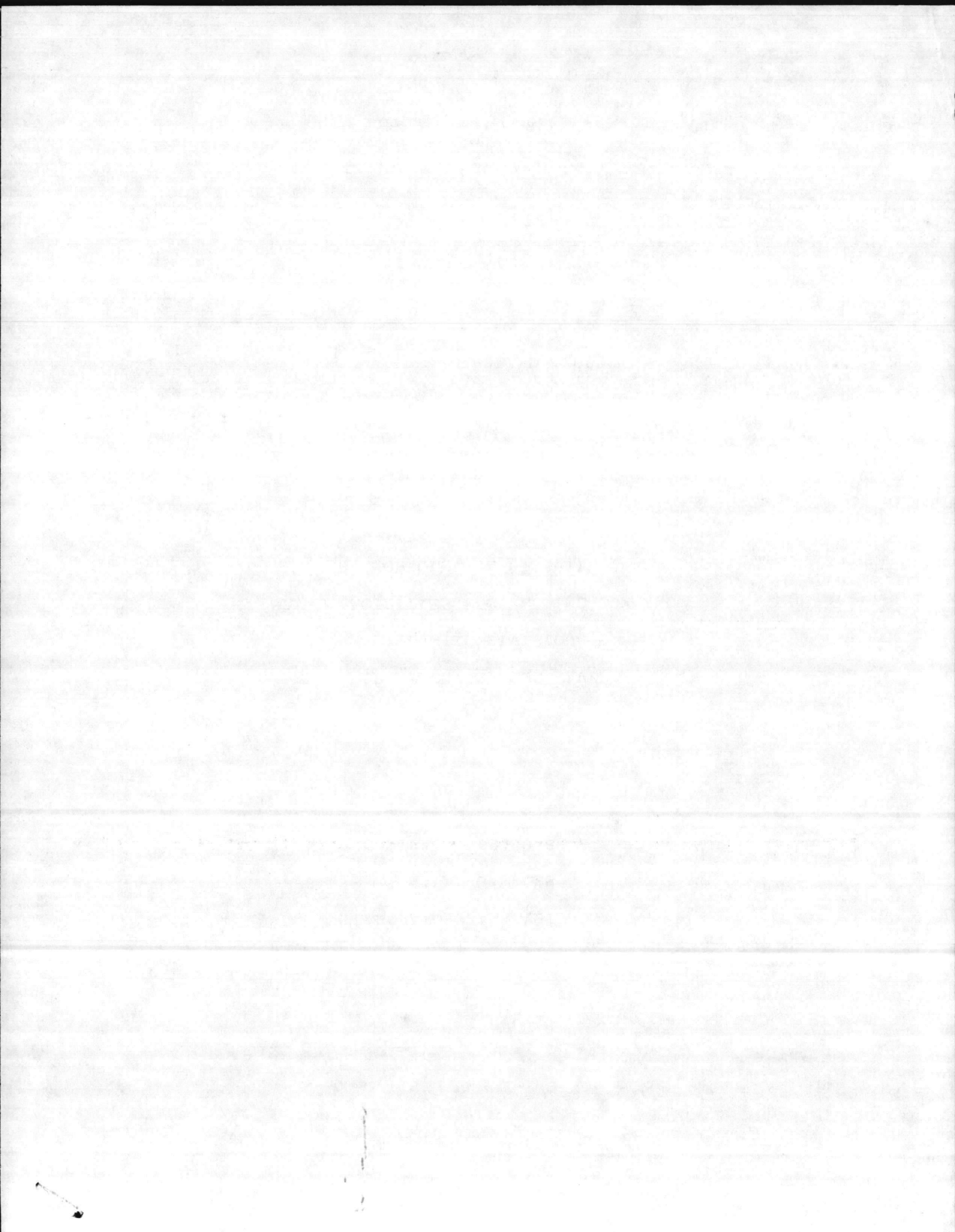
CASE # 570 Addendum
LABORATORY ANALYSIS ON
NAVAL SAMPLES
(A/E CONTRACT N62470-84-B-6932)
JTC REPORT # 87-197

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

PREPARED BY:
JTC ENVIRONMENTAL CONSULTANTS, INC.
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ROCKVILLE, MARYLAND 20850

JUNE 10, 1987


Ann E. Rosecrance
Laboratory Director



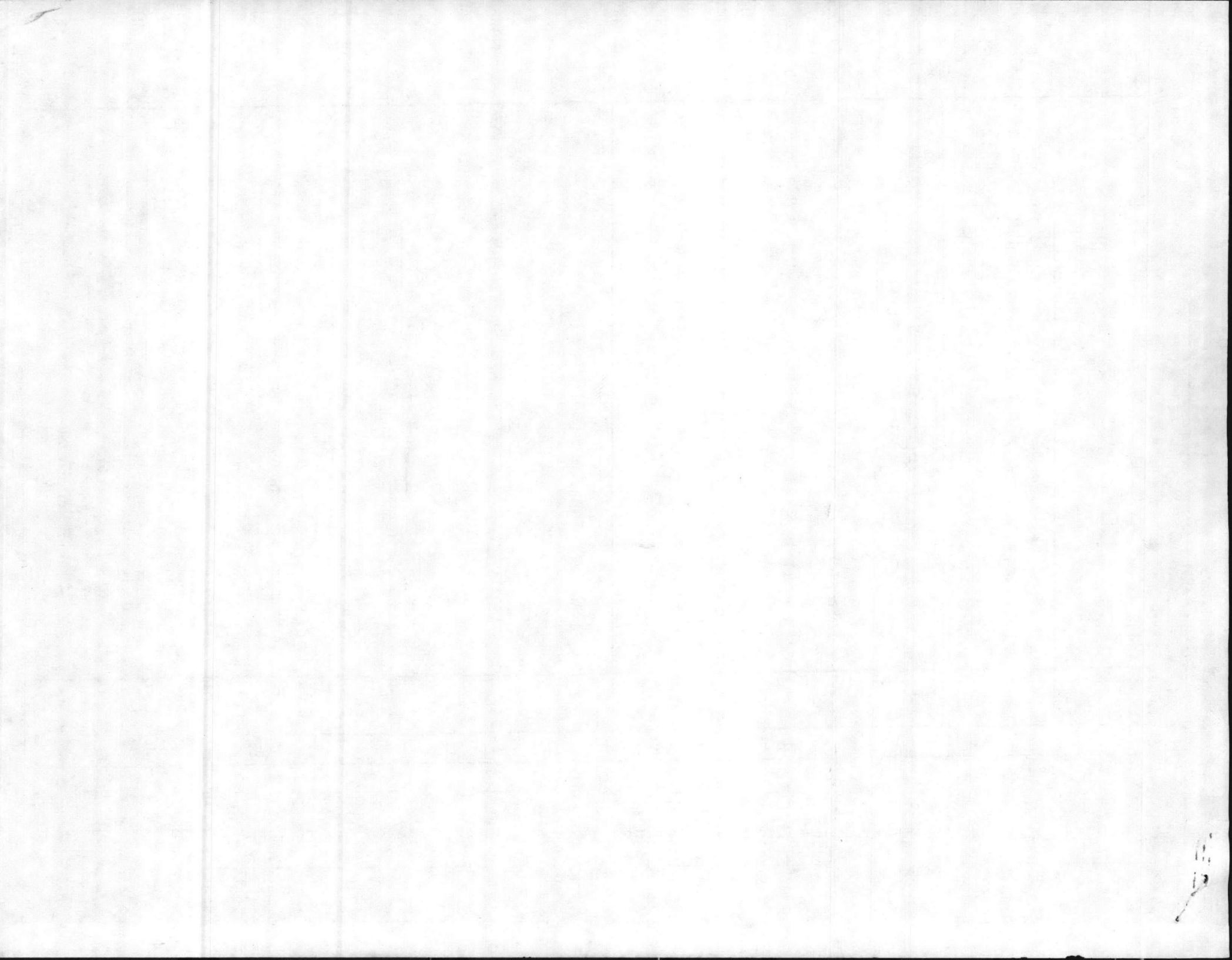
JTC Environmental Consultants, Inc.

Location: Camp Lejeune Date of Receipt: 4-9-87 Turnaround: routine

Date: 6-10-87 Case No. 570 Add. to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 87-197 Table 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		Organic N % wt.							
Composite of 87-35 and 87-36	12-4589 A+B	0.0013							



Partial Results

JTC DATA REPORT # 87-247

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE # 42

PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

PREPARED BY:

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

JULY 6, 1987

Ann E. Rosecrance

Ann E. Rosecrance
Laboratory Director

Location: Camp Lejeune Date of Receipt: 6-5-87 Turnaround: routine
 Date: 7-6-87 Case No. 42 to Naval Facilities Engineering Command, Norfolk, Virginia
 JTC Data Report No. 87-247 Table 1

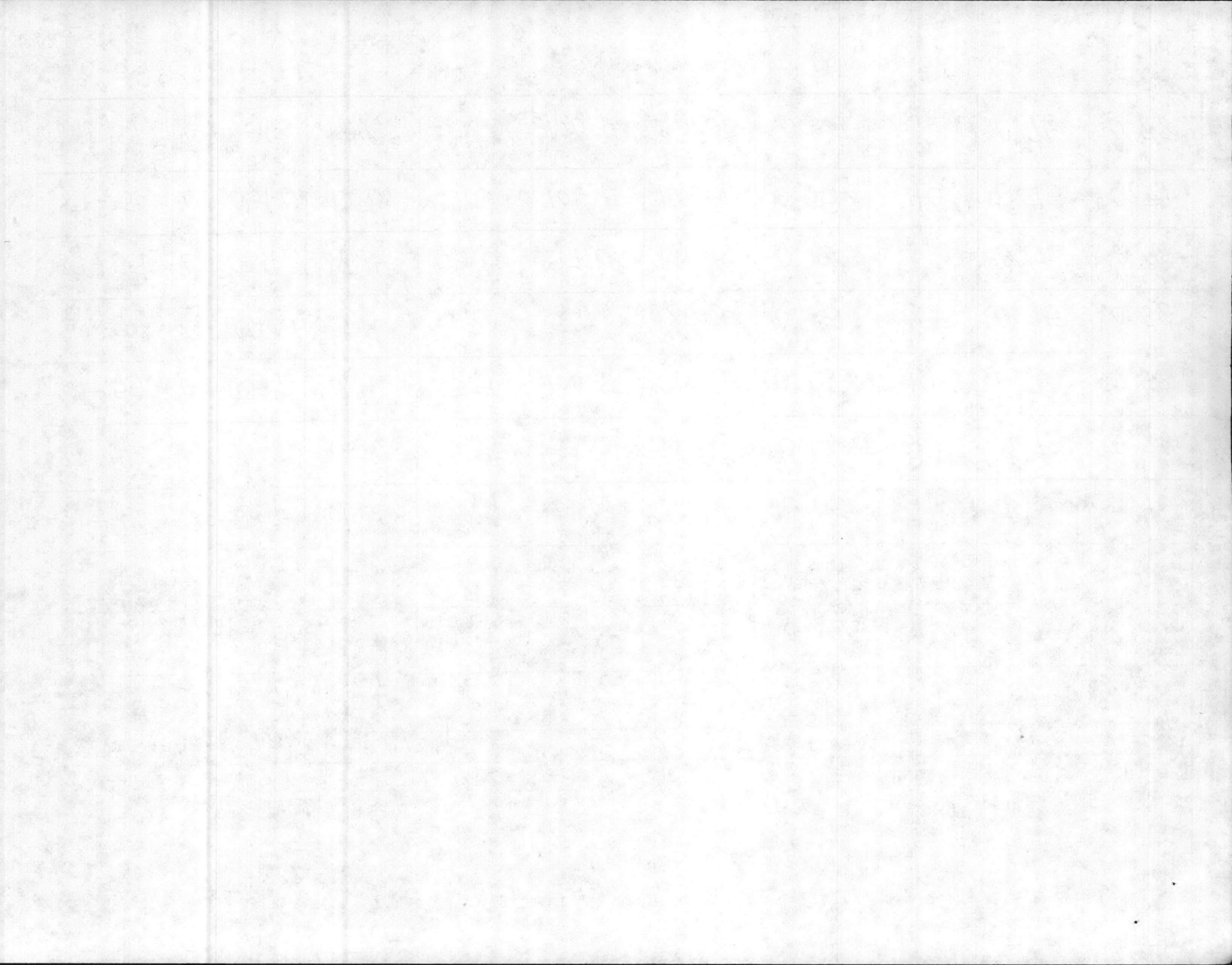
Oil Phase

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		Water %	BS+W %	Viscosity @100°F, SUS	BTU per lb.	TOX %	Flashpoint °C	Sp. Gravity ^a g/ml	Sp. Gravity ^b g/ml
87-49	61-0305	19.5	19.5	93.6	15,550	<0.05	N.O. boiled at 70°	0.73	0.92
87-50	61-0306	13.5	20.0	100.8	16,500	0.20	N.O. boiled at 50°	0.77*	—
87-51	61-0307	17.6	24.0	103.8	15,500	<0.05	N.O. boiled at 45°	0.72	0.96
87-52	61-0308	0.76	0.80	53.0	19,300	0.12	35	0.73	0.88
87-53	61-0309	8.4	13.5	100.8	17,500	0.16	40	0.73	0.93
87-54	61-0310	8.1	13.0	56.1	17,500	0.25	35	0.75	0.88
87-55	61-0311	18.4	23.0	97.0	15,000	0.13	N.O. boiled at 45°	0.76	0.98
87-56	61-0312	12.0	17.5	104.6	16,650	0.22	40	0.73	0.89
87-57	61-0313	19.6	22.0	120.2	15,100	<0.05	N.O. boiled at 45°	0.76	0.98

N.O. = not observed

a = top layer b = bottom layer

* sample consisted of only one oil layer



JTC Environmental Consultants, Inc.

Location: Camp Lejeune Date of Receipt: 6-5-87 Turnaround: routine

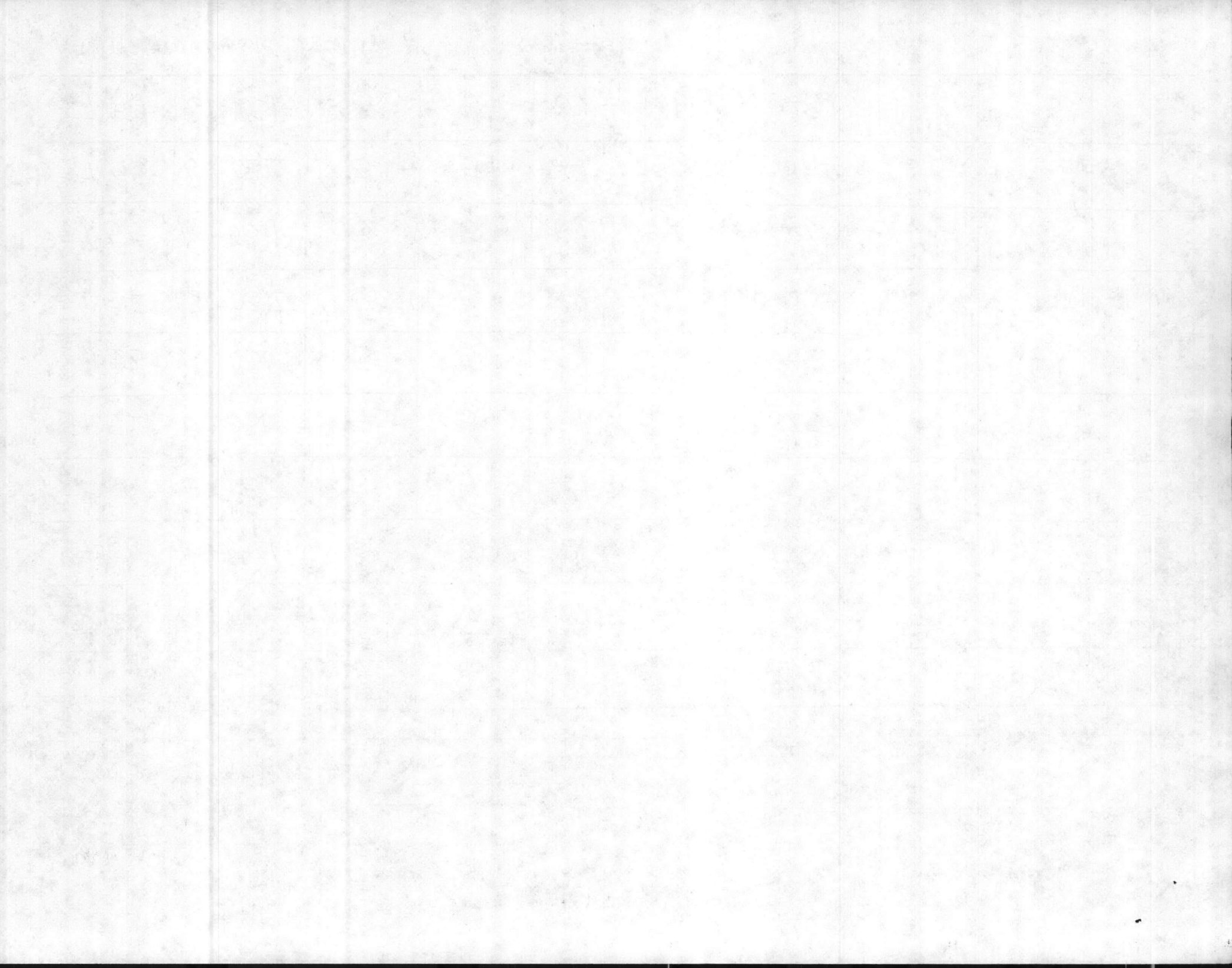
Date: 7-6-87 Case No. 42 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 87-247 Table 2

Oil Phase

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		PCB ug/g	As mg/kg	Cd mg/kg	Cr mg/kg	Pb mg/kg		
87-49	61-0305	<5	NA	NA	NA	NA		
87-50	61-0306	<5	<5	<1	<0.75	30		
87-51	61-0307	<5	<5	1.1	2.2	59		
87-52	61-0308	<5	<5	<1	1.6	23		
87-53	61-0309	<5	<5	<1	1.6	35		
87-54	61-0310	<10	<5	<1	2.6	26		
87-55	61-0311	<5	<5	<1	1.3	26		
87-56	61-0312	<5	<5	<1	<0.75	8.2		
87-57	61-0313	<5	<5	<1	<0.75	28		

NA- not available, results will be reported in a report addendum

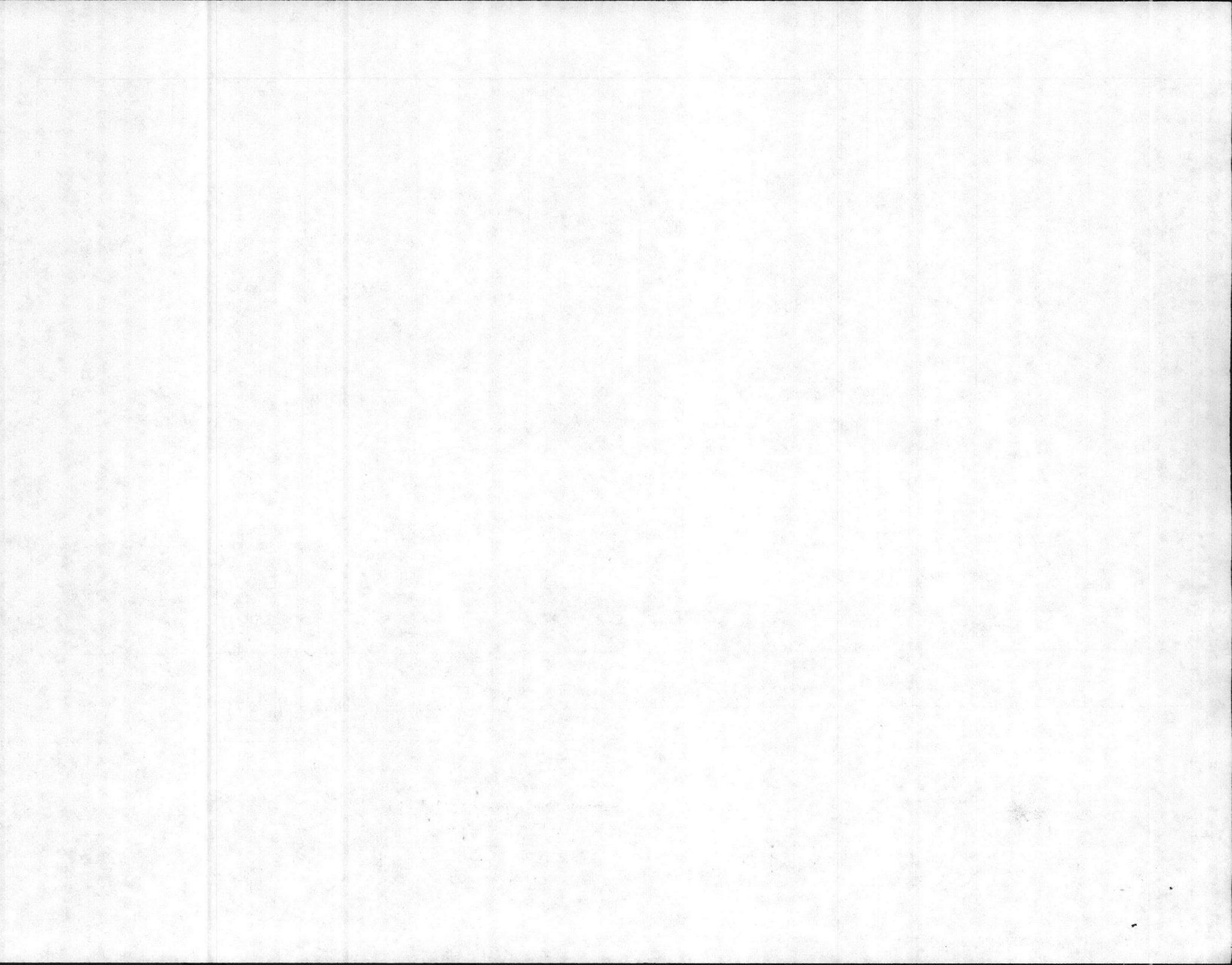


JTC Environmental Consultants, Inc.

Location: Camp Lejeune Date of Receipt: 6-5-87 Turnaround: routine
 Date: 7-6-87 Case No. 42 to Naval Facilities Engineering Command, Norfolk, Virginia
 JTC Data Report No. 87-247 Table 3

Water Phase Composite

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		TOX ug/L	Phenols mg/L	VOA	As ug/L	Cd ug/L	Cr ug/L	Pb ug/L
87-49/ 87-57 composite	61-0305/ 61-0313	814	6.8	See attached sheet	498	<20	72	155





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PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

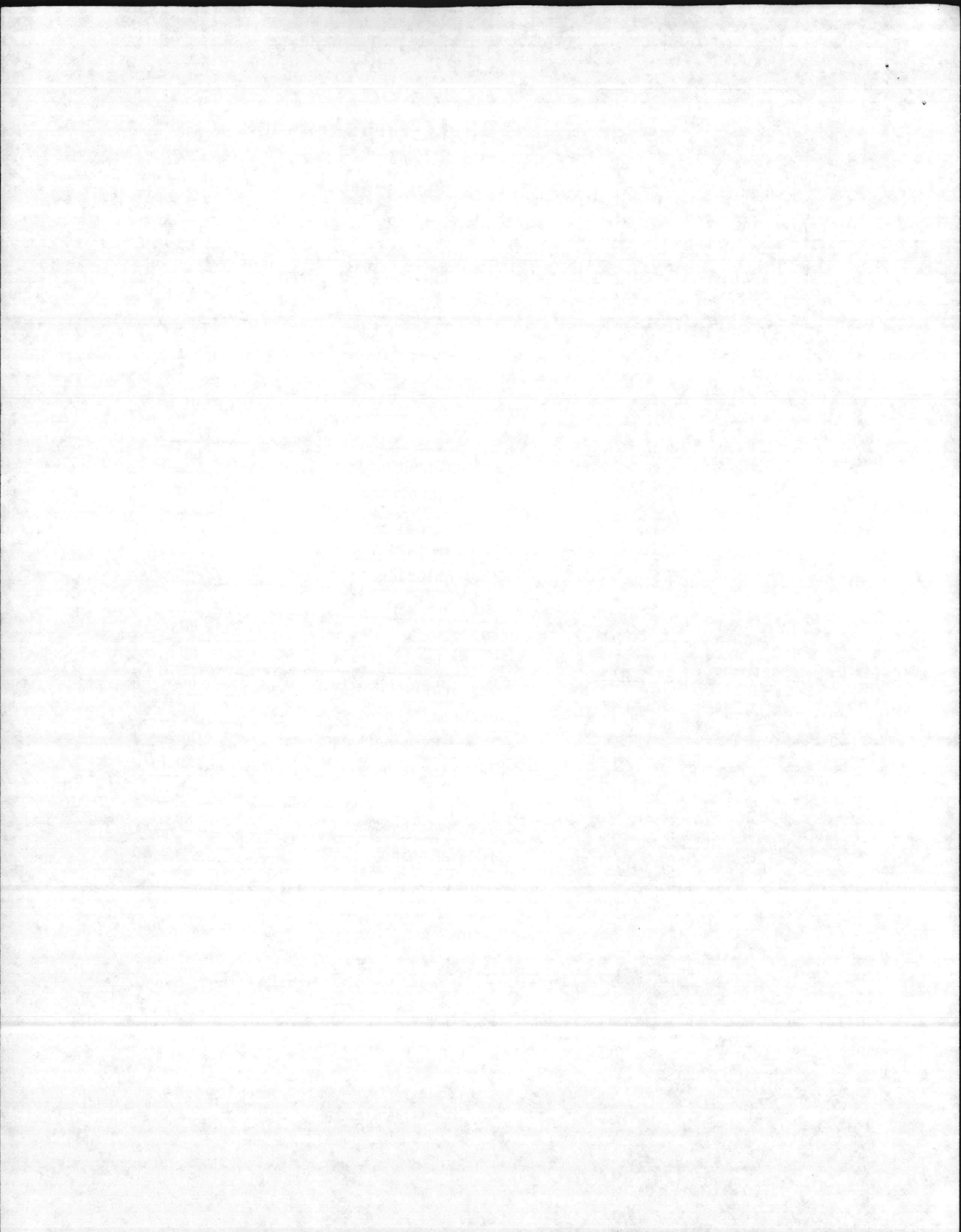
JTC SAMPLE # 61-0305/0313 Composite PROJECT NO. NF-61 #42
 CLIENT SAMPLE # 87-49787-57 Composite DATE RECEIVED 6/5/87
 METHOD NO. 624 DETECTION LIMIT 500 ug/L

PARAMETER	RESULT	PARAMETER	RESULT
	ug/L		ug/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	540 ND	ethylbenzene	110* ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	230* ND	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	990 ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylene	620 ND

Acetone 70,000
 MEK (2-Butanone) 13,000
 MIBK (4-methyl-2-pentanone) 1200
 1,1,2-Trichlorotrifluoroethane (freon)

present, concentration not available

ND = NOT DETECTED
 * = BELOW DETECTION LIMIT



Addendum

JTC DATA REPORT # 87-247

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE # 42

PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

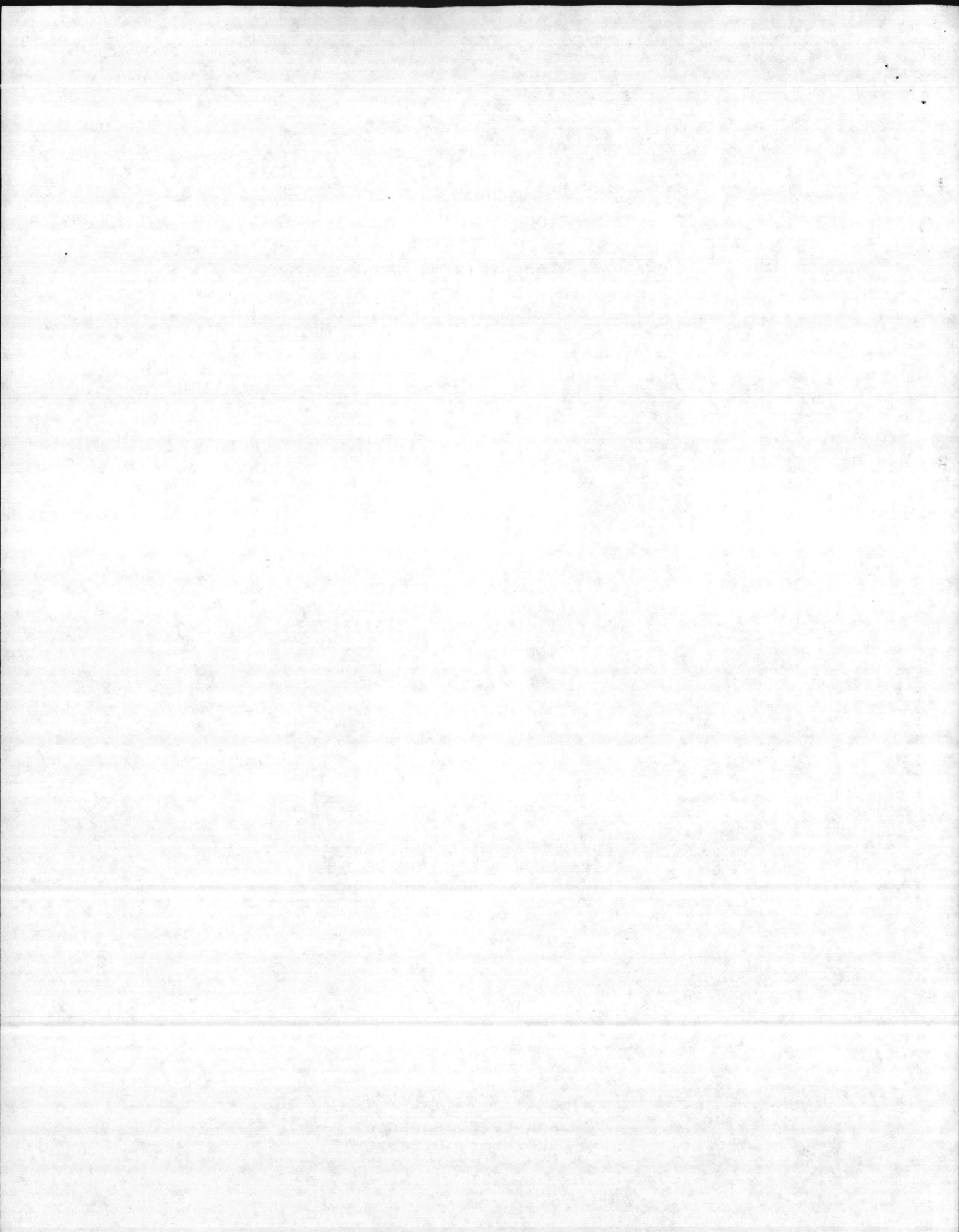
PREPARED BY:

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

JULY 8, 1987

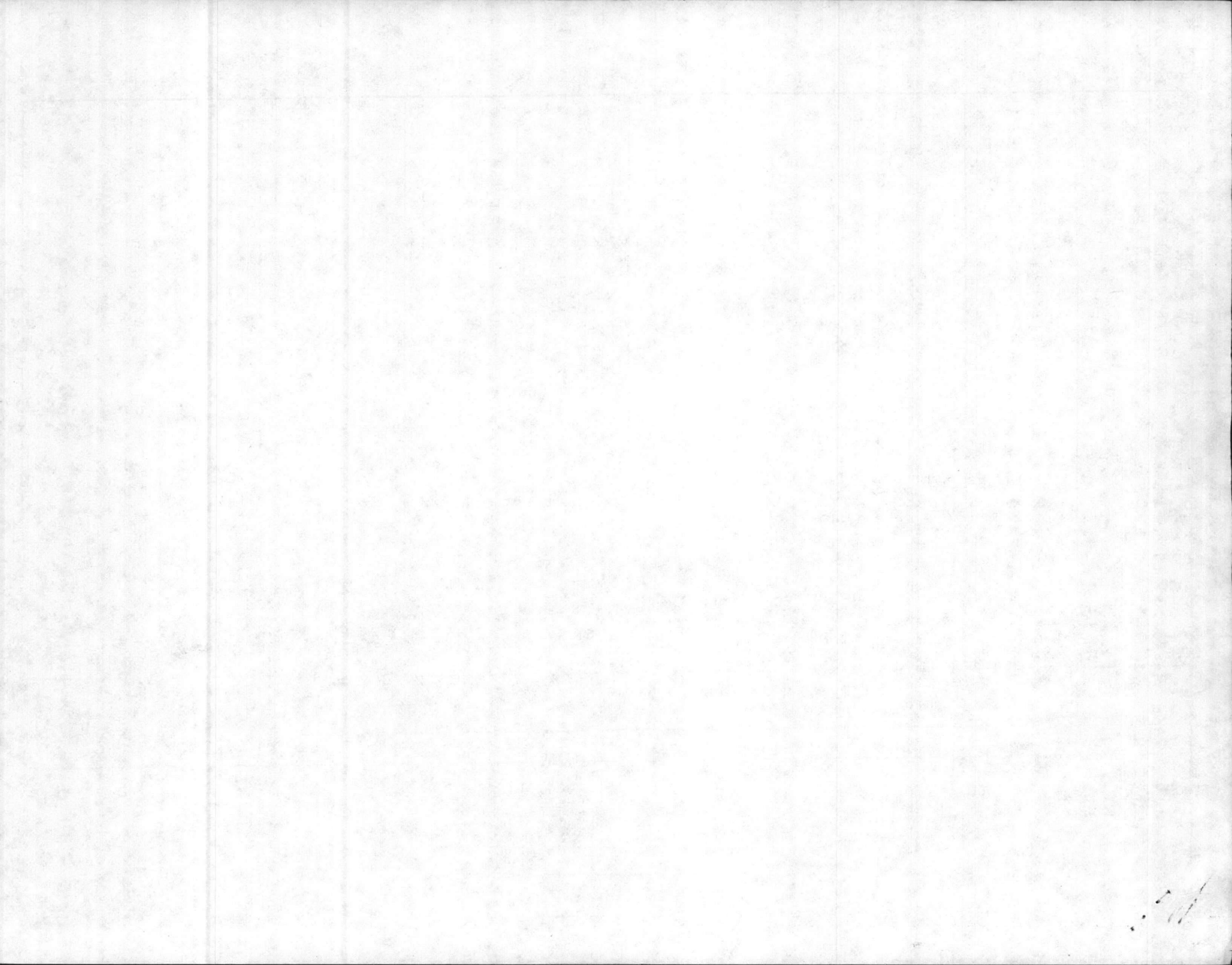
Ann E Rosecrance

Ann E. Rosecrance
Laboratory Director



Location: Camp Lejeune Date of Receipt: 6-5-87 Turnaround: routine
 Date: 7-8-87 Case No. 42 Add to Naval Facilities Engineering Command, Norfolk, Virginia
 JTC Data Report No. 87-247 Table 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		As mg/kg	Cd mg/kg	Cr mg/kg	Pb mg/kg				
87-49	61-0305	<5	2.0	1.7	75				



Addendum

JTC DATA REPORT # 87-247

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE # 42

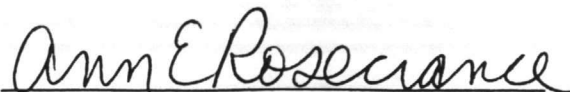
PREPARED FOR:

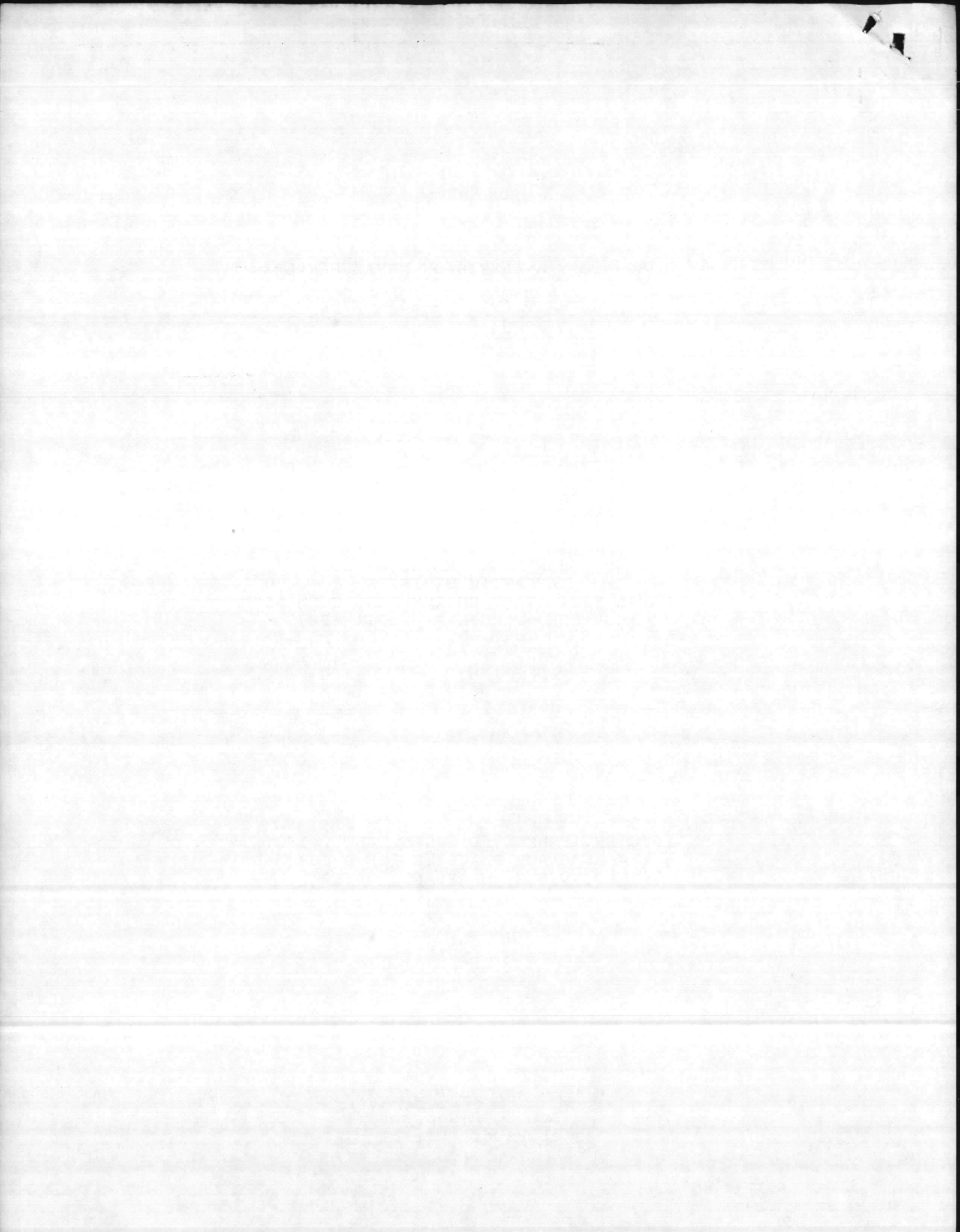
DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

PREPARED BY:

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

JULY 8, 1987

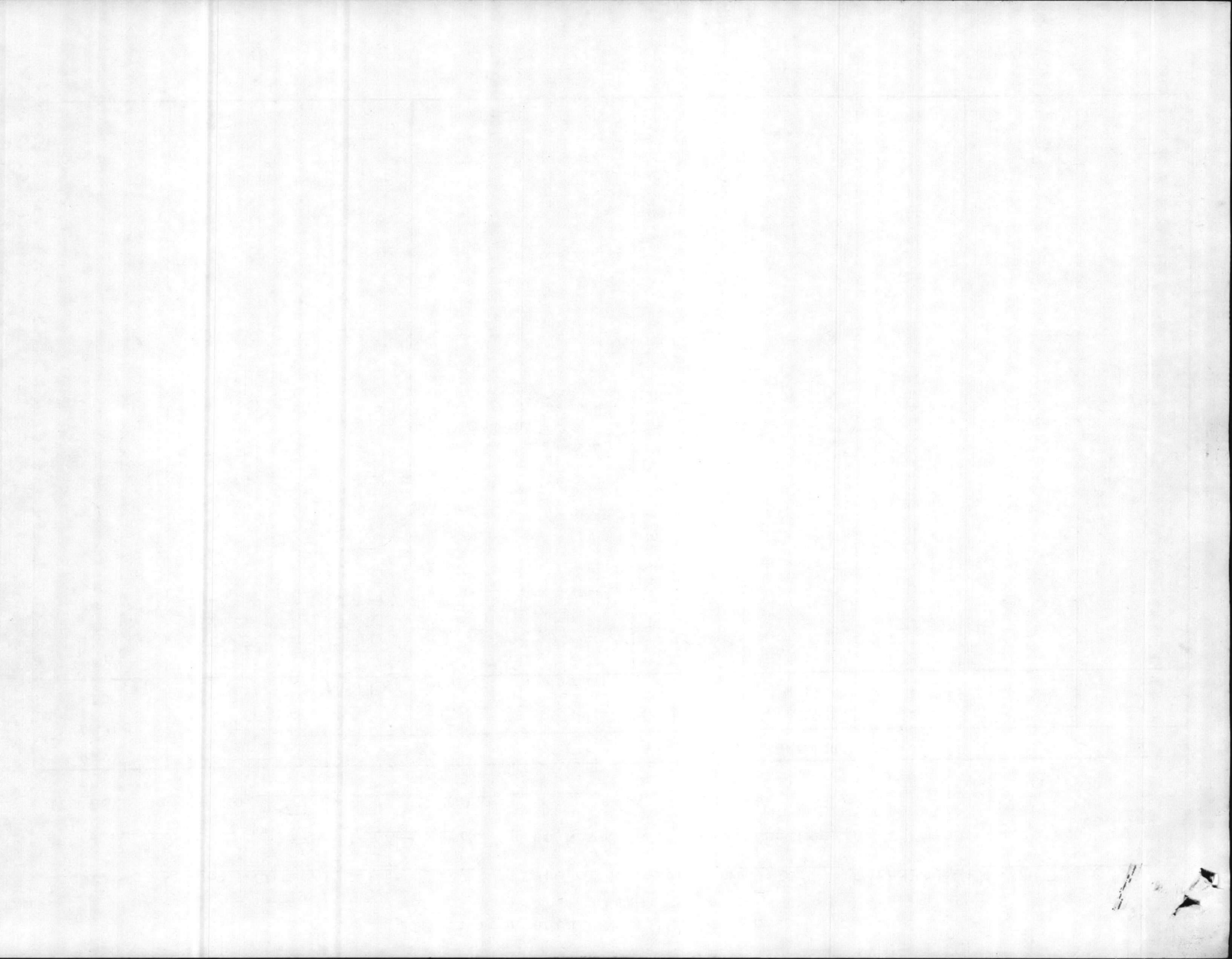

Ann E. Rosecrance
Laboratory Director



JTC Environmental Consultants, Inc.:

Location: Camp Lejeune Date of Receipt: 6-5-87 Turnaround: routine
 Date: 7-8-87 Case No. 42 Add to Naval Facilities Engineering Command, Norfolk, Virginia
 JTC Data Report No. 87-247 Table 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER					
		As mg/kg	Cd mg/kg	Cr mg/kg	Pb mg/kg		
87-49	61-0305	<5	2.0	1.7	75		



JTC DATA REPORT # 87-247

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE # 42 Addendum A

PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

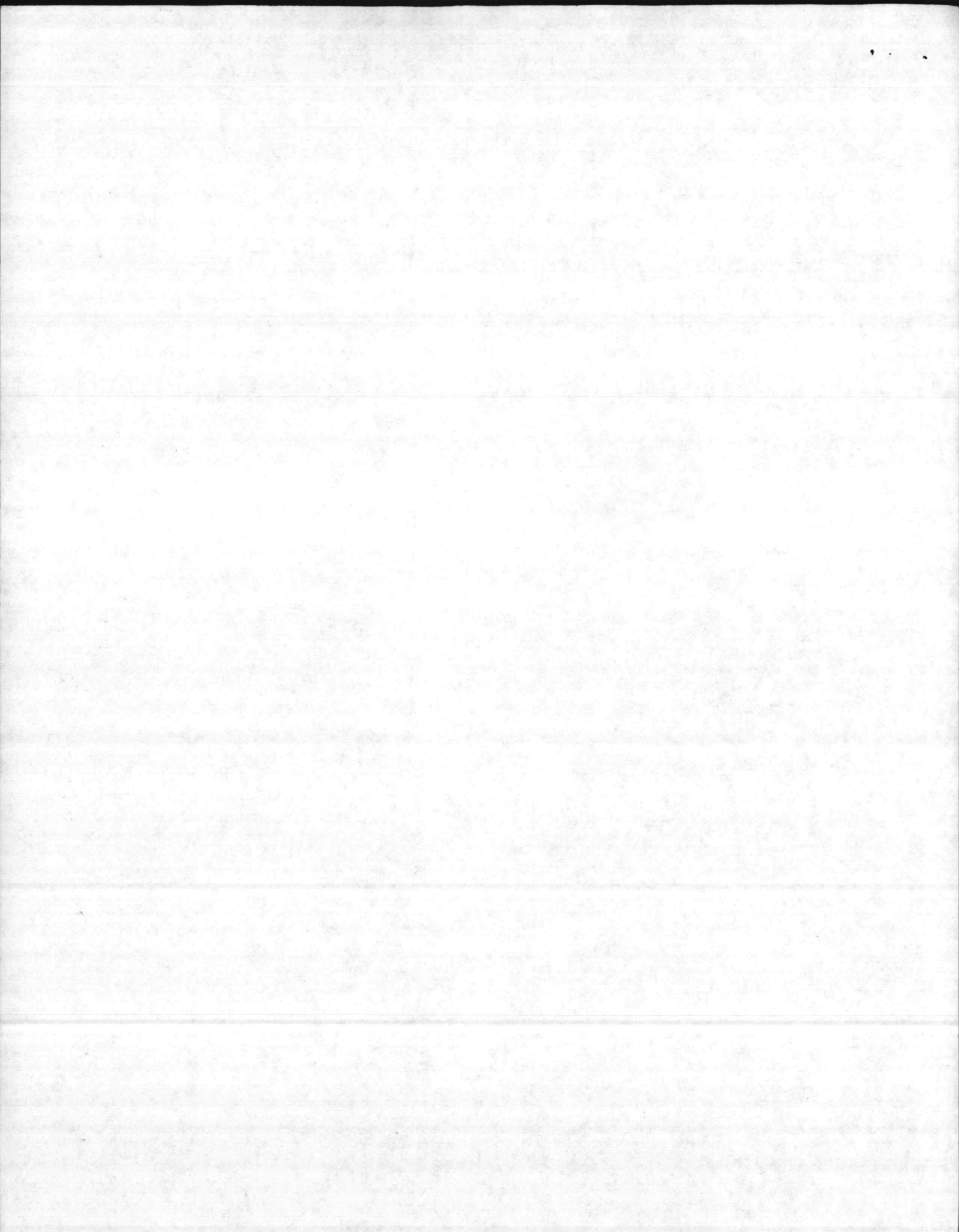
PREPARED BY:

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

August 17, 1987

Ann E Rosecrance

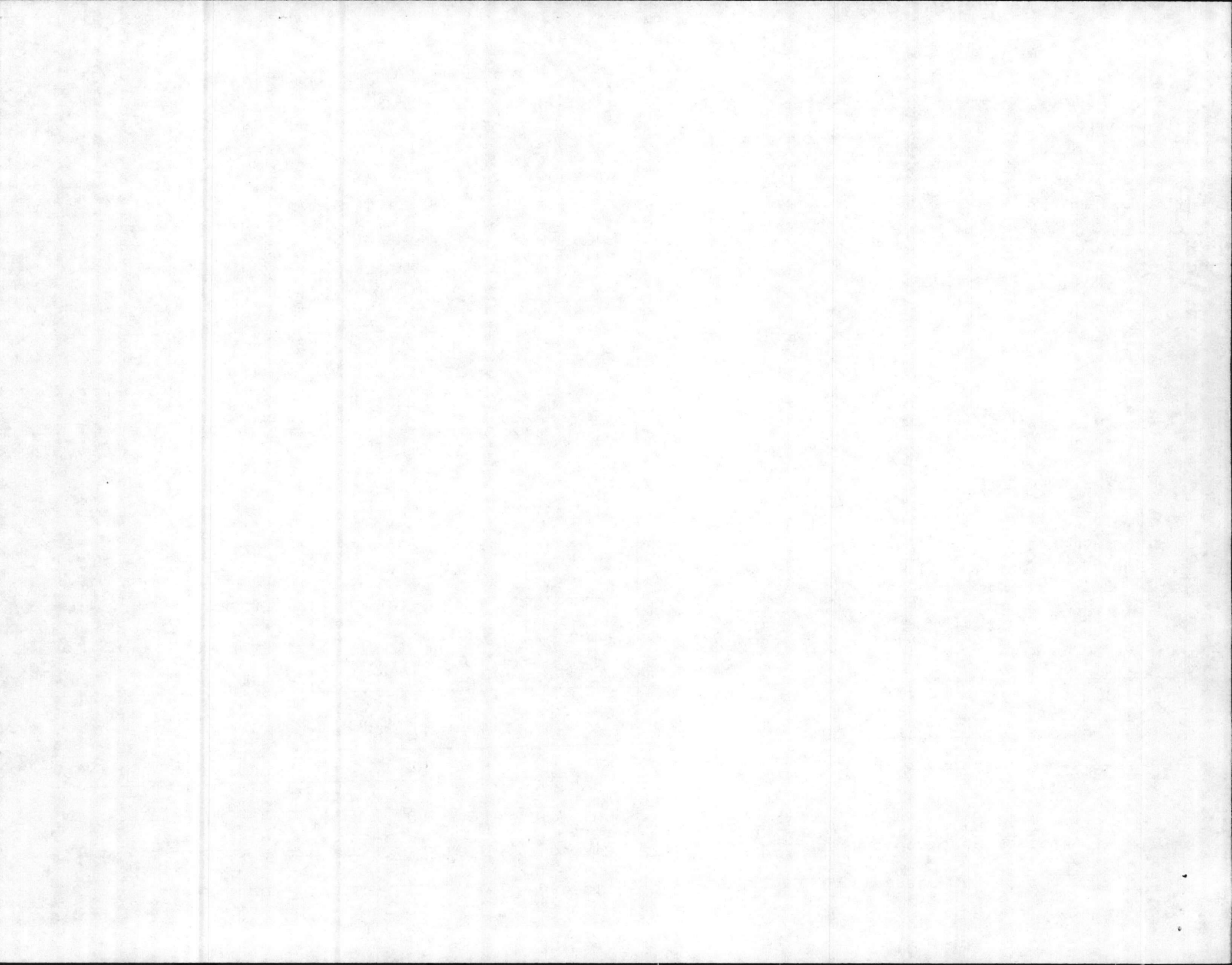
Ann E. Rosecrance
Laboratory Director

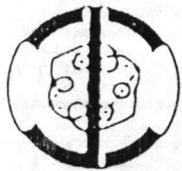


Location: Camp Lejeune Date of Receipt: 6-5-87 Turnaround: Add-on
 Date: 8/17/87 Case No. 42 Add. A to Naval Facilities Engineering Command, Norfolk, Virginia
 JTC Data Report No. 87-247 Table 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		Phenols mg/L	Freon * mg/L	VOA				
87-50	61-0306	67	2400	see attached sheet				
87-52	61-0308	33	830	"				
87-53	61-0309	17	2800	"				
87-54	61-0310	70	2800	"				
87-55	61-0311	48	2000	"				
87-56	61-0312	45	730	"				

* 1,1,2-trichloro-1,2,2-trifluoroethane





J
T
C Environmental Consultants, Inc.

PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 61-0306 PROJECT NO. NF-61 #42
CLIENT SAMPLE # 87-56 DATE RECEIVED 6/5/87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

PARAMETER	RESULT mg/L	PARAMETER	RESULT mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	<u>30</u> * ND	ethylbenzene	<u>120</u> * ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	<u>170</u> * ND	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	<u>330</u> ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylenes	<u>570</u> ND
		MEK	ND

ND = NOT DETECTED

* = BELOW DETECTION LIMIT



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T
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PRIORITY POLLUTANT ANALYSIS DATA SHEET

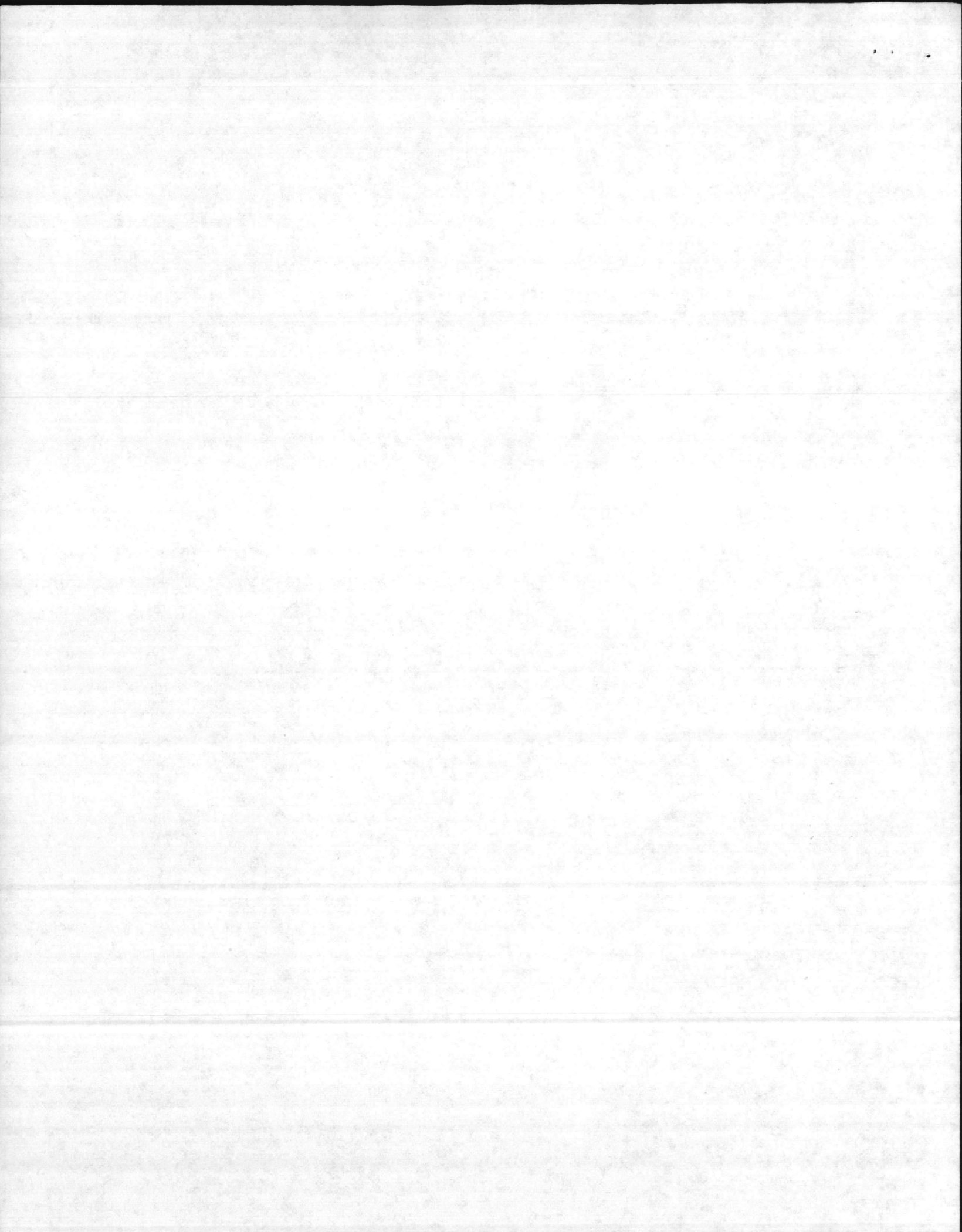
VOLATILE FRACTION

JTC SAMPLE # 61-0308 PROJECT NO. NF-61 #42
CLIENT SAMPLE # 87-52 DATE RECEIVED 6/5/87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

PARAMETER	RESULT mg/L	PARAMETER	RESULT mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	40 X ND	ethylbenzene	140 X ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	50 X ND	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	130 X ND	toluene	320 ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylenes	740 ND
		MEK	ND

ND = NOT DETECTED

X = BELOW DETECTION LIMIT





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PRIORITY POLLUTANT ANALYSIS DATA SHEET

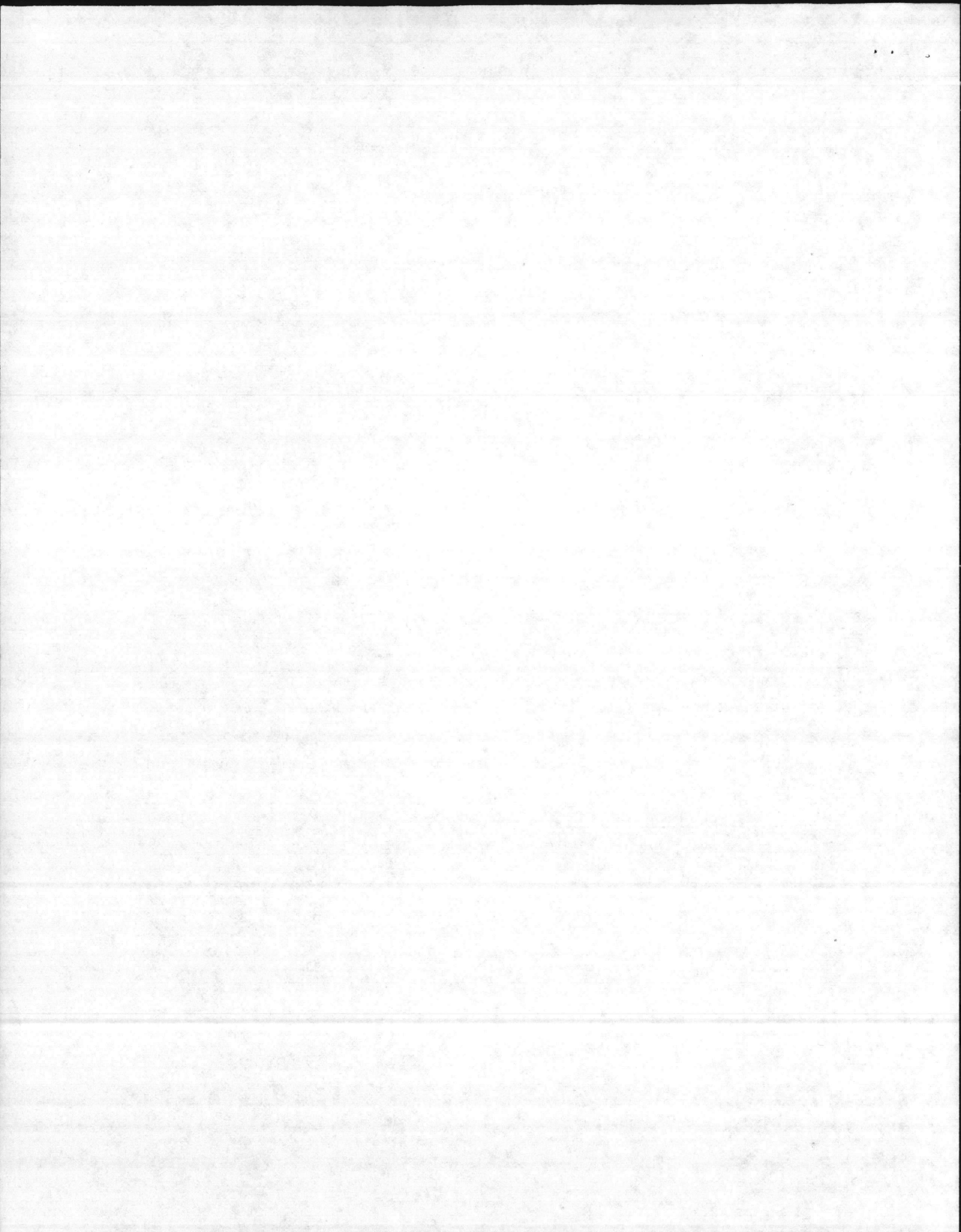
VOLATILE FRACTION

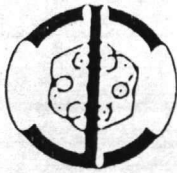
JTC SAMPLE # 61-0309 PROJECT NO. NF-61 #42
CLIENT SAMPLE # 87-53 DATE RECEIVED 6/5/87
METHOD NO. 624 DETECTION LIMIT 250 ma/L

PARAMETER	RESULT mq/L	PARAMETER	RESULT mq/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	30 ND	ethylbenzene	140 ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	50 ND	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	320 ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylenes	730 ND
		MEK	ND

ND = NOT DETECTED

* = BELOW DETECTION LIMIT





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PRIORITY POLLUTANT ANALYSIS DATA SHEET

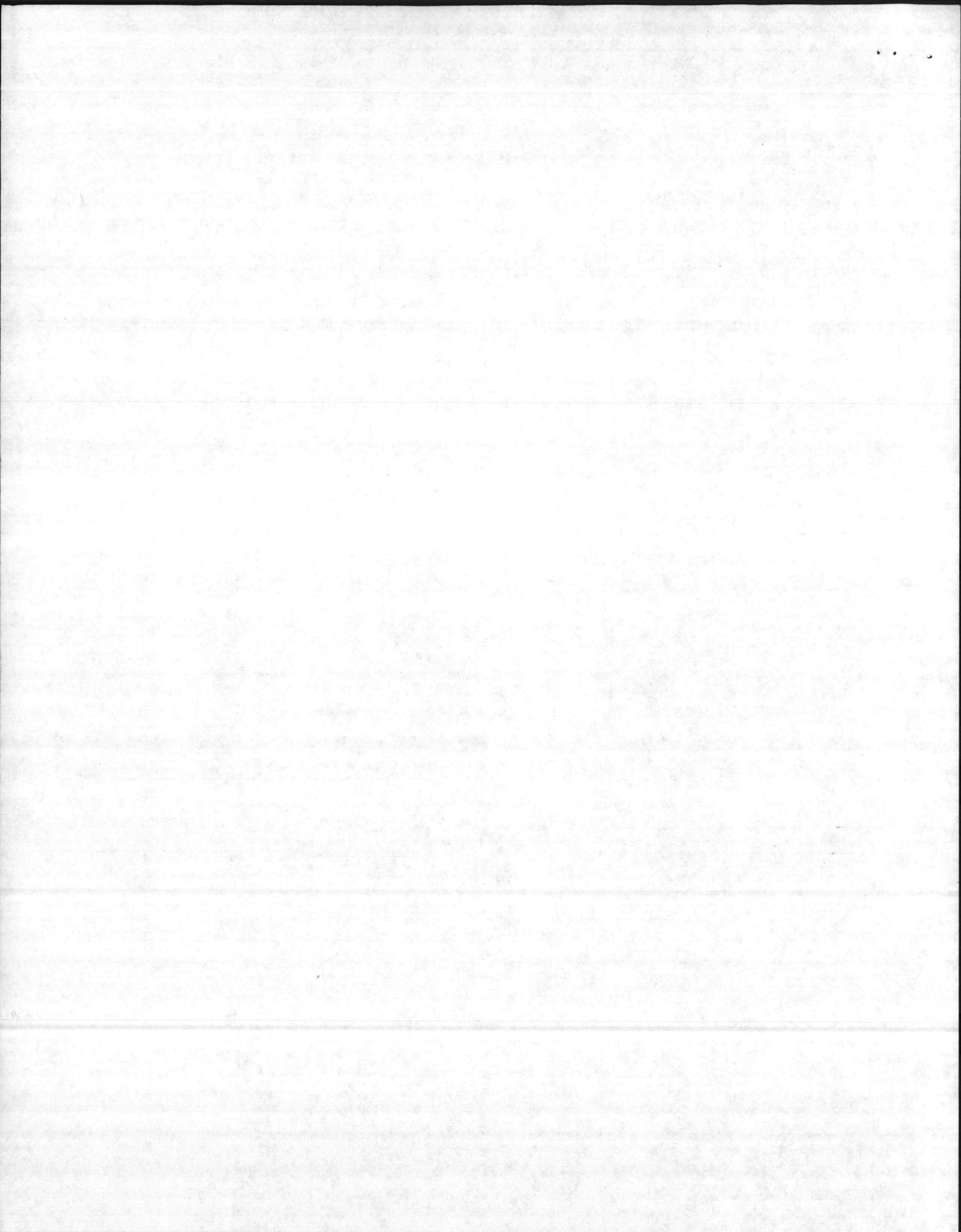
VOLATILE FRACTION

JTC SAMPLE # 61-0310 PROJECT NO. NF-61 #42
CLIENT SAMPLE # 87-54 DATE RECEIVED 6/5/87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

PARAMETER	RESULT	PARAMETER	RESULT
	mg/L		mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	200 * ND	ethylbenzene	360 ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	ND	bromoform	ND
1,1-dichloroethane	ND	dichlorobromomethane	ND
1,1,2-trichloroethane	ND	trichlorofluoromethane	830 ND
1,1,2,2-tetrachloroethane	ND	dichlorodifluoromethane	ND
chloroethane	ND	chlorodibromomethane	ND
2-chloroethylvinylether	ND	tetrachloroethylene	ND
chloroform	ND	toluene	1500 ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
2-HEXANONE (methyl n-butyl ketone)	1500	xylene	1700 ND
		MEK	ND

ND = NOT DETECTED

* = BELOW DETECTION LIMIT





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PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 61-0311 PROJECT NO. NF-61 #42
CLIENT SAMPLE # 87-55 DATE RECEIVED 6/5/87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

PARAMETER	RESULT	PARAMETER	RESULT
	mg/L		mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	50* ND	ethylbenzene	140* ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	30* ND	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	290 ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylenes	700 ND
		MEK	ND

ND = NOT DETECTED

* = BELOW DETECTION LIMIT

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C Environmental Consultants, Inc.

PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 61-0312 PROJECT NO. NF-61 #72CLIENT SAMPLE # 87-56 DATE RECEIVED 6/5/87METHOD NO. 624 DETECTION LIMIT 250 ^mg/L

PARAMETER	RESULT ^m g/L	PARAMETER	RESULT ^m g/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	20 * ND	ethylbenzene	90 * ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	80 * ND	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	210 * ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylenes	430 ND
		MEK	ND

ND = NOT DETECTED

* = BELOW DETECTION LIMIT

100

Partial Results

JTC DATA REPORT # 87-441

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE # 136

PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6267

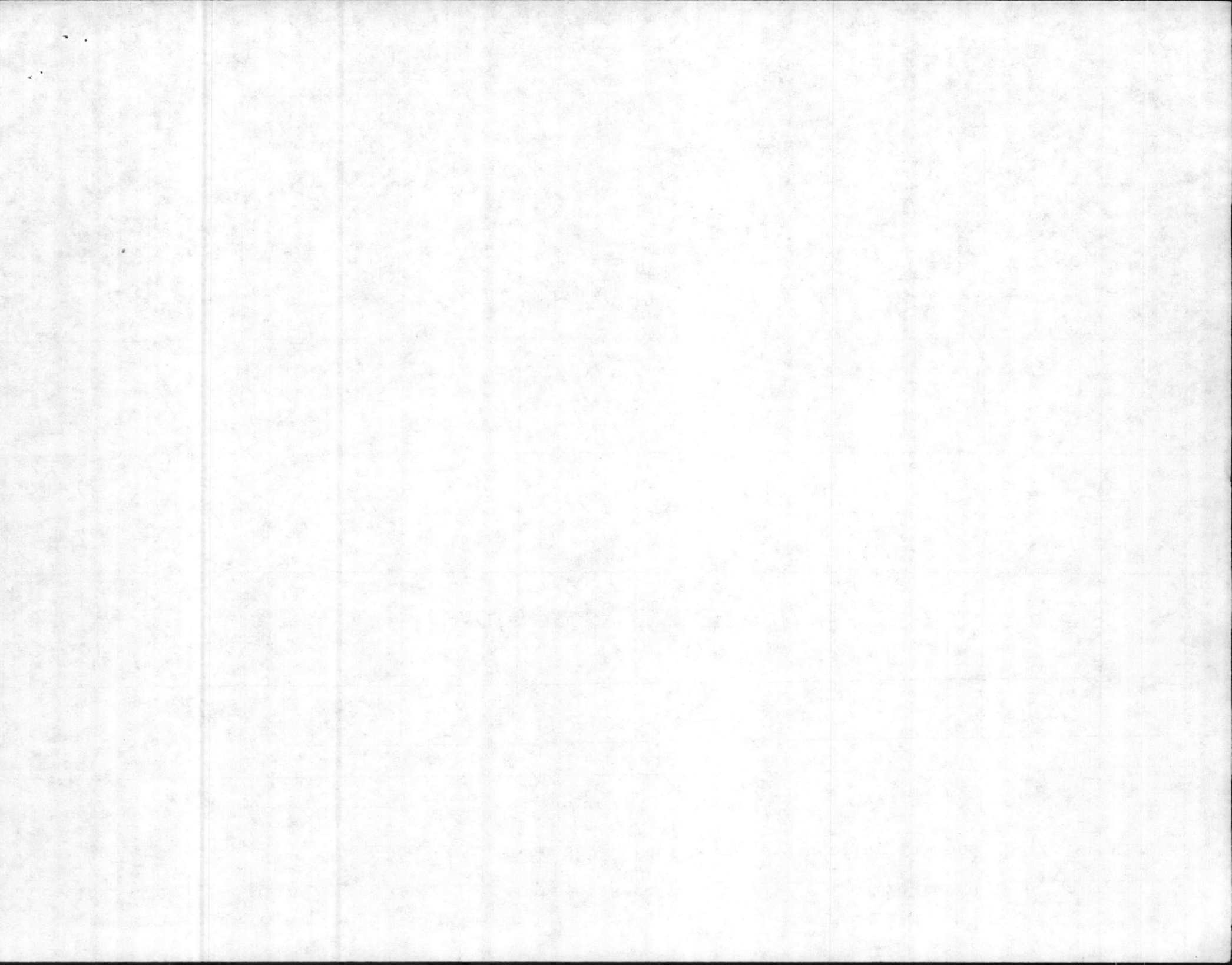
PREPARED BY:

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

OCTOBER 5, 1987

Ann E. Rosecrance
Ann E. Rosecrance
Laboratory Director

ENCLOSURE (3)



Addendum

JTC DATA REPORT # 87-441

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE # 136

PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

PREPARED BY:

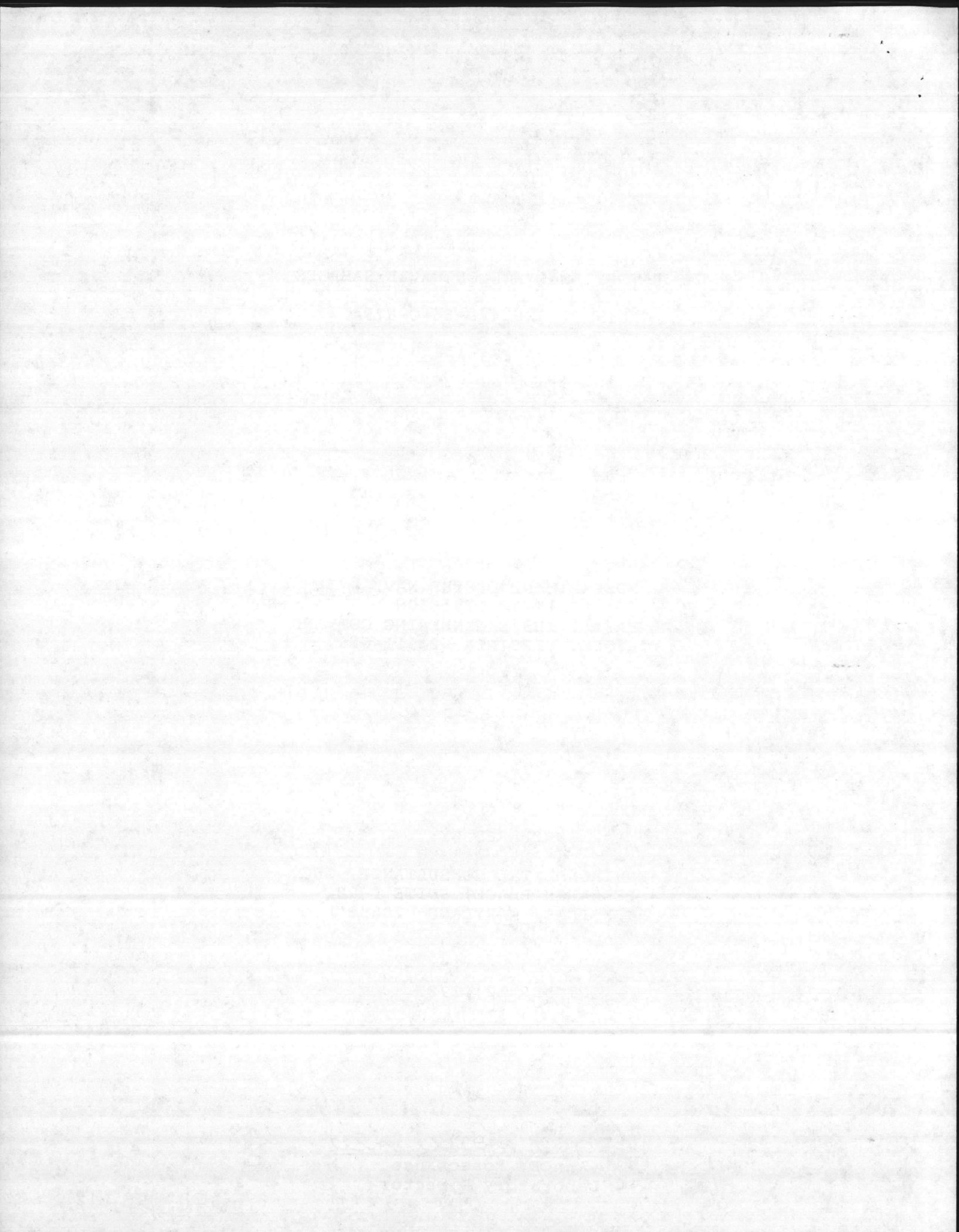
JTC ENVIRONMENTAL CONSULTANTS, INC.
4 RESEARCH PLACE, SUITE L-10
ROCKVILLE, MARYLAND 20850

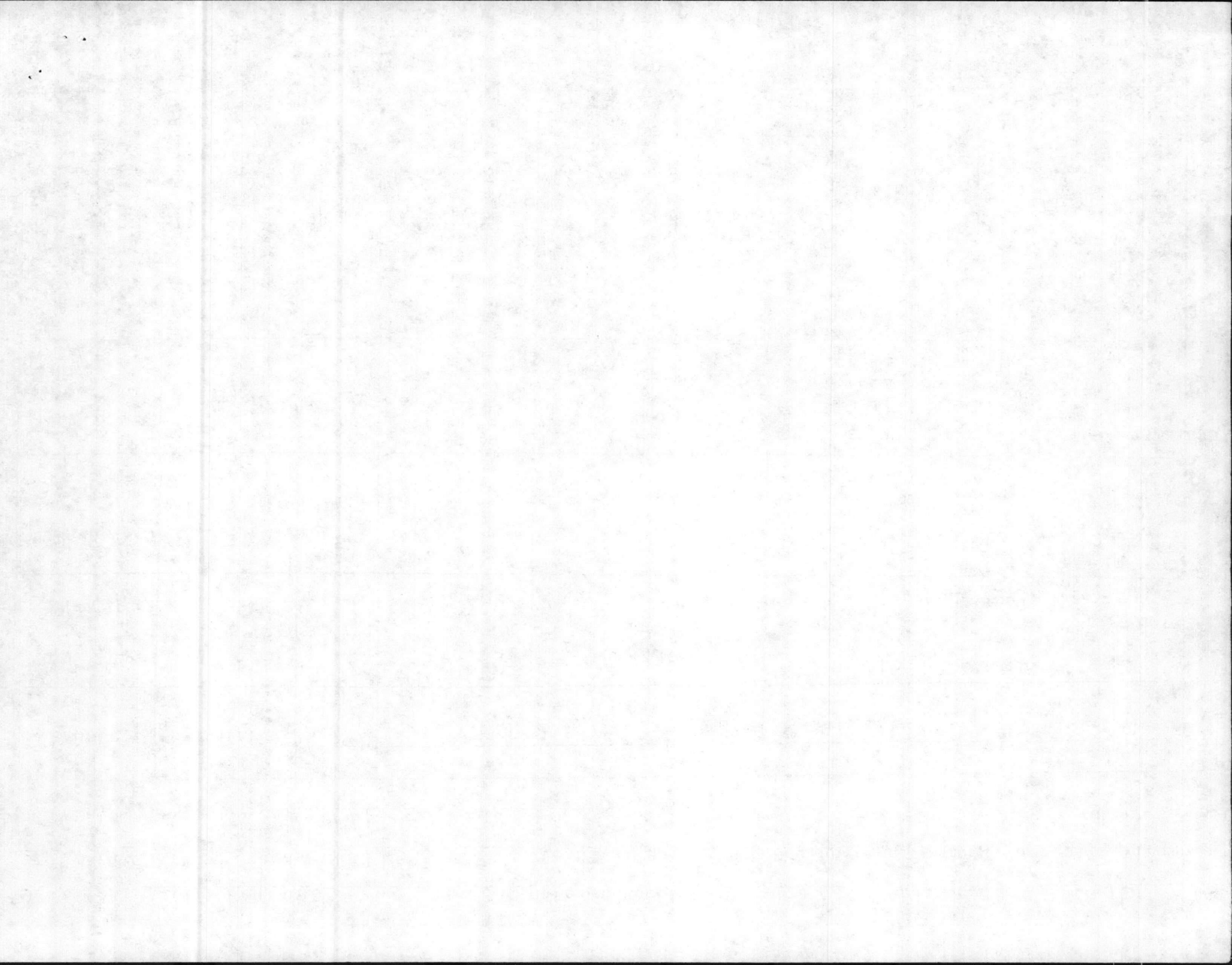
OCTOBER 12, 1987

Ann E. Rosecrance

Ann E. Rosecrance
Laboratory Director

ENCLOSURE (4)





Addendum A

JTC DATA REPORT # 87-441

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE #136

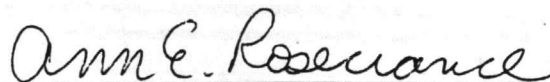
PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

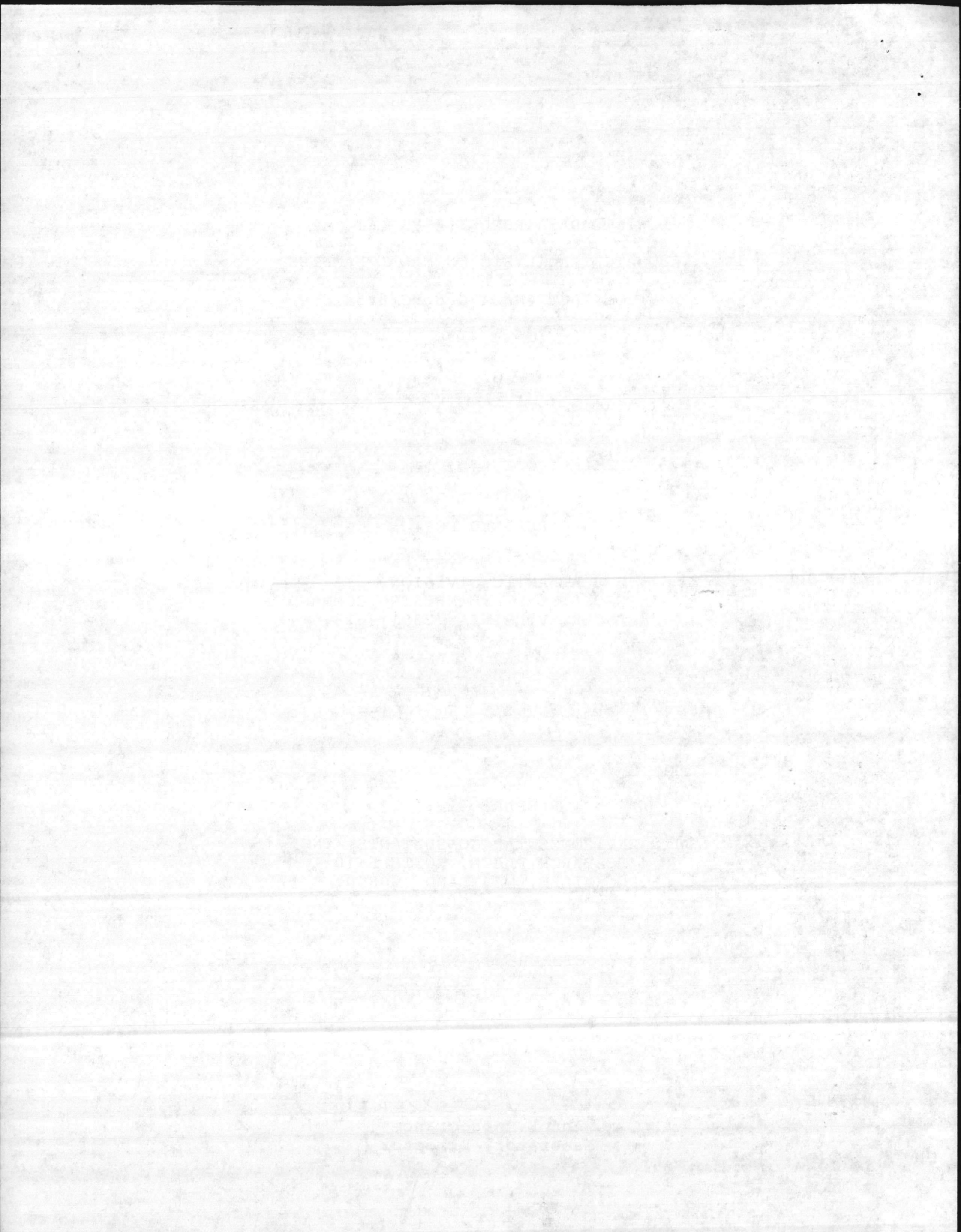
PREPARED BY:

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

OCTOBER 26, 1987



Ann E. Rosecrance
Laboratory Director



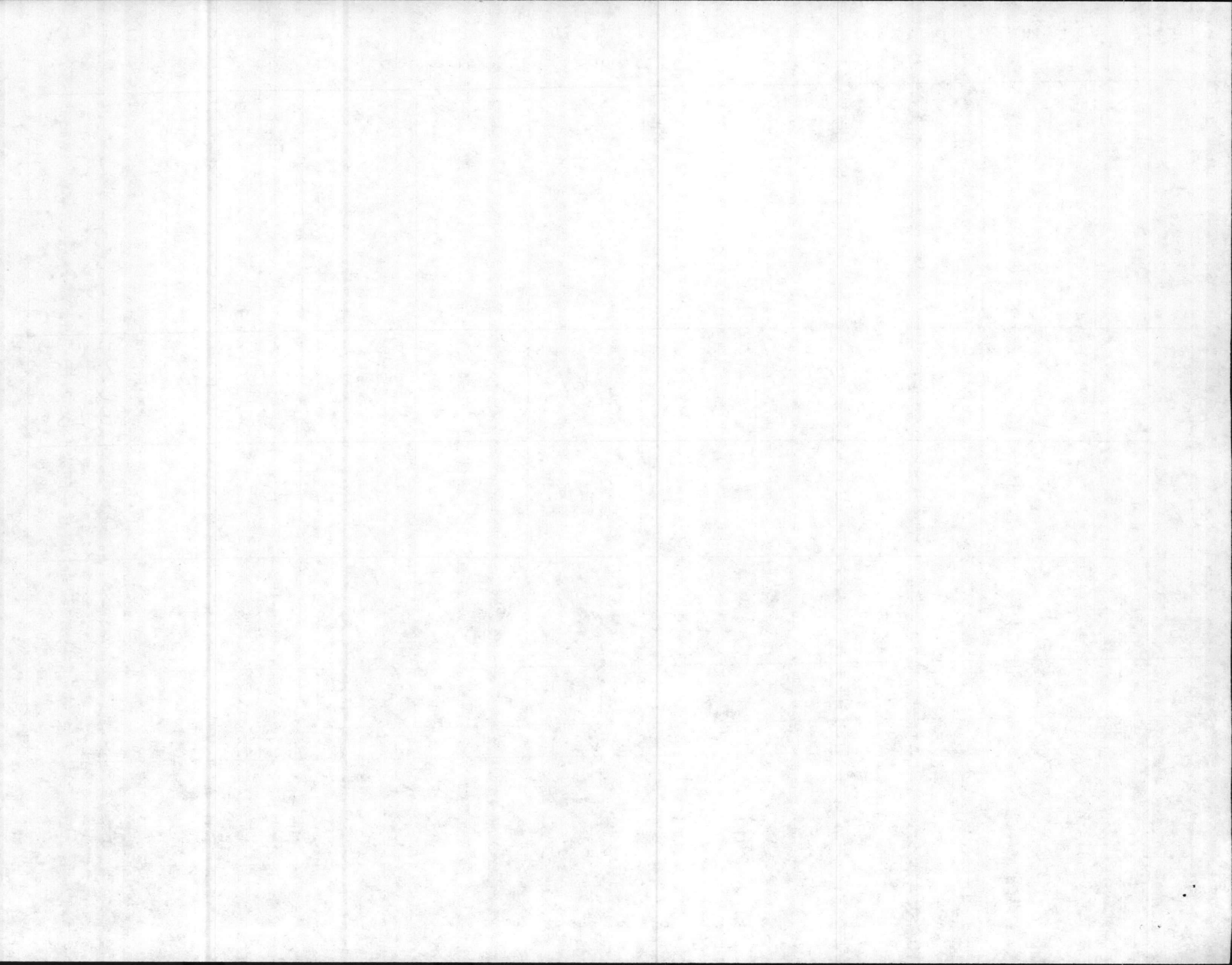
Location: Camp Lejeune Date of Receipt: 9-21-87 Turnaround: routine

Date: 10-26-87 Case No. 136 Add A to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 87-441 Table 1 of 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		As mg/kg	Cd mg/kg	Cr	Pb mg/kg	Sp. Gravity g/ml		
87-81 STI-64	61-0979	<20	<2.0	NA	58	0.697		
87-82 STI-65	61-0980	<20	<2.0	NA	54	0.605		
87-83 STI-66	61-0981	<20	<2.0	NA	50	0.731		

Note: Analyses run on top layer of sample
NA = not available, results will be provided in a separate report addendum



Addendum B

JTC DATA REPORT # 87-441

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE # 136

Complete

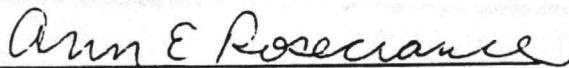
PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

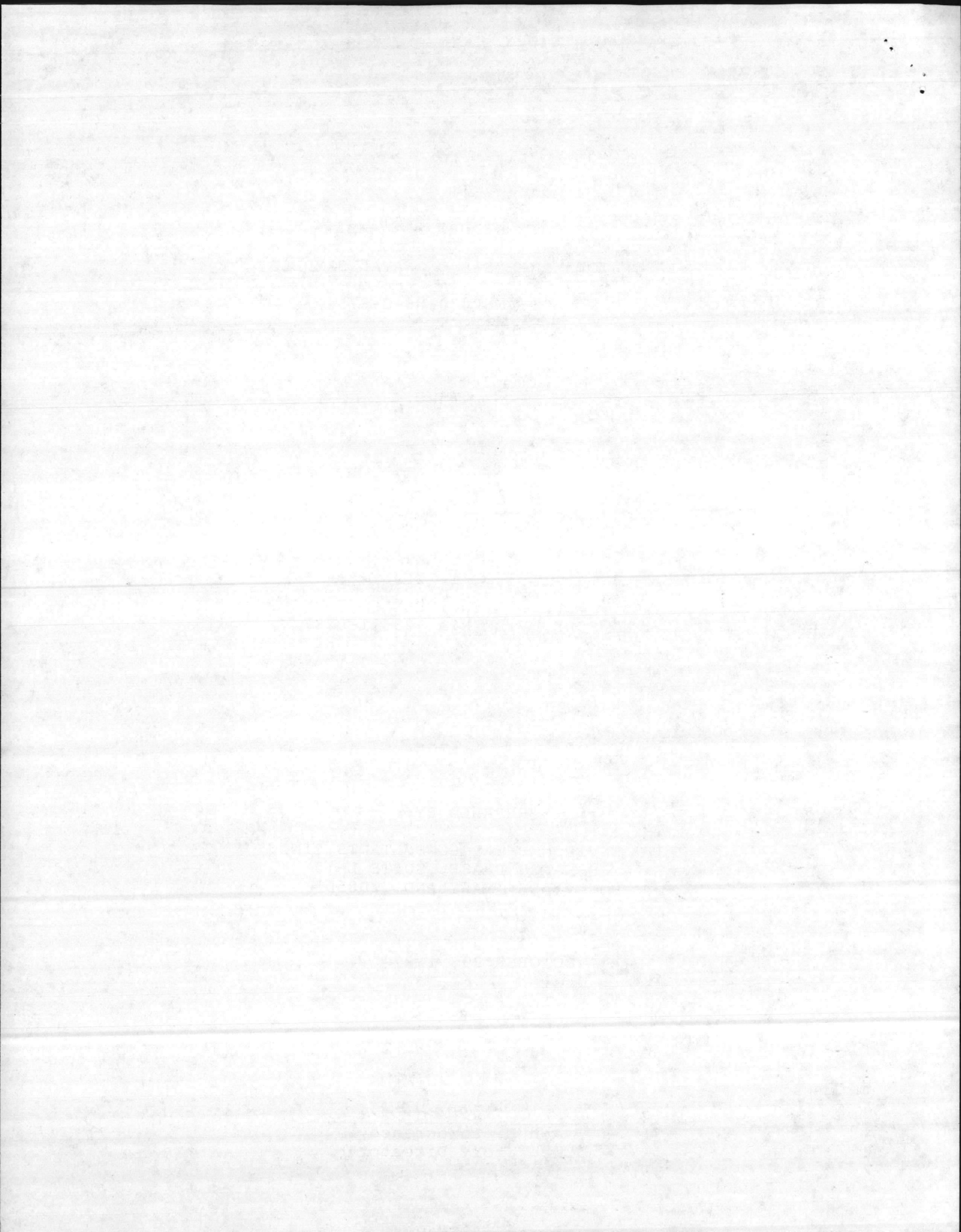
PREPARED BY:

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

OCTOBER 29, 1987



Ann E. Rosecrance
Laboratory Director



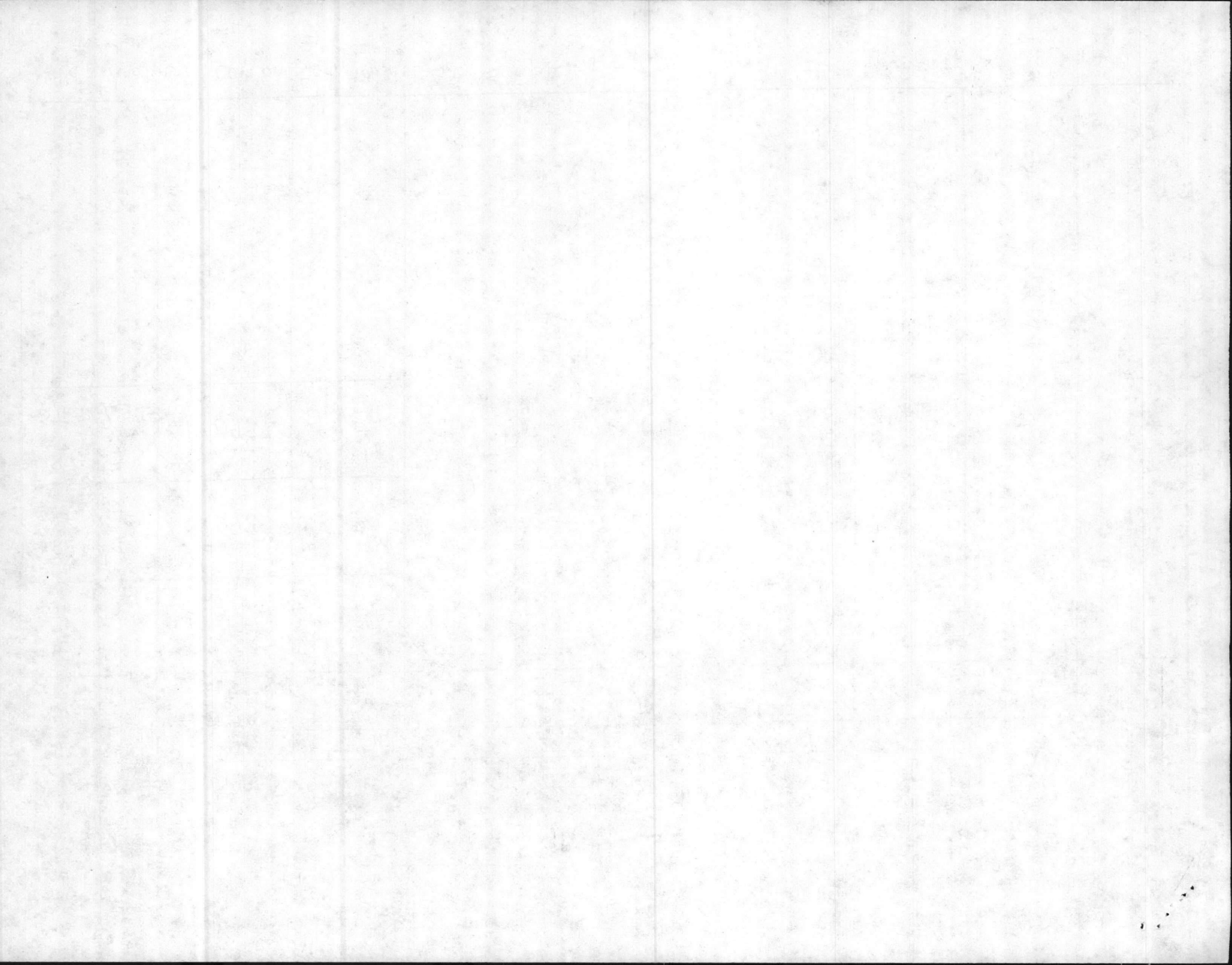
Location: Camp Lejeune Date of Receipt: 9-21-87 Turnaround: routine

Date: 10-29-87 Case No. 136 Add. B to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 87-441 Table 1 of 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		Cr mg/kg						
87-81 STI-64	61-0979	<1.5						
87-82 STI-65	61-0980	2.3						
87-83 STI-66	61-0981	<1.5						

Note: Analysis run on top layer of sample



14 OCT 1987

Partial Results

JTC DATA REPORT # 87-444

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE # 138

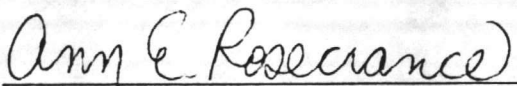
PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

PREPARED BY:

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

OCTOBER 7, 1987

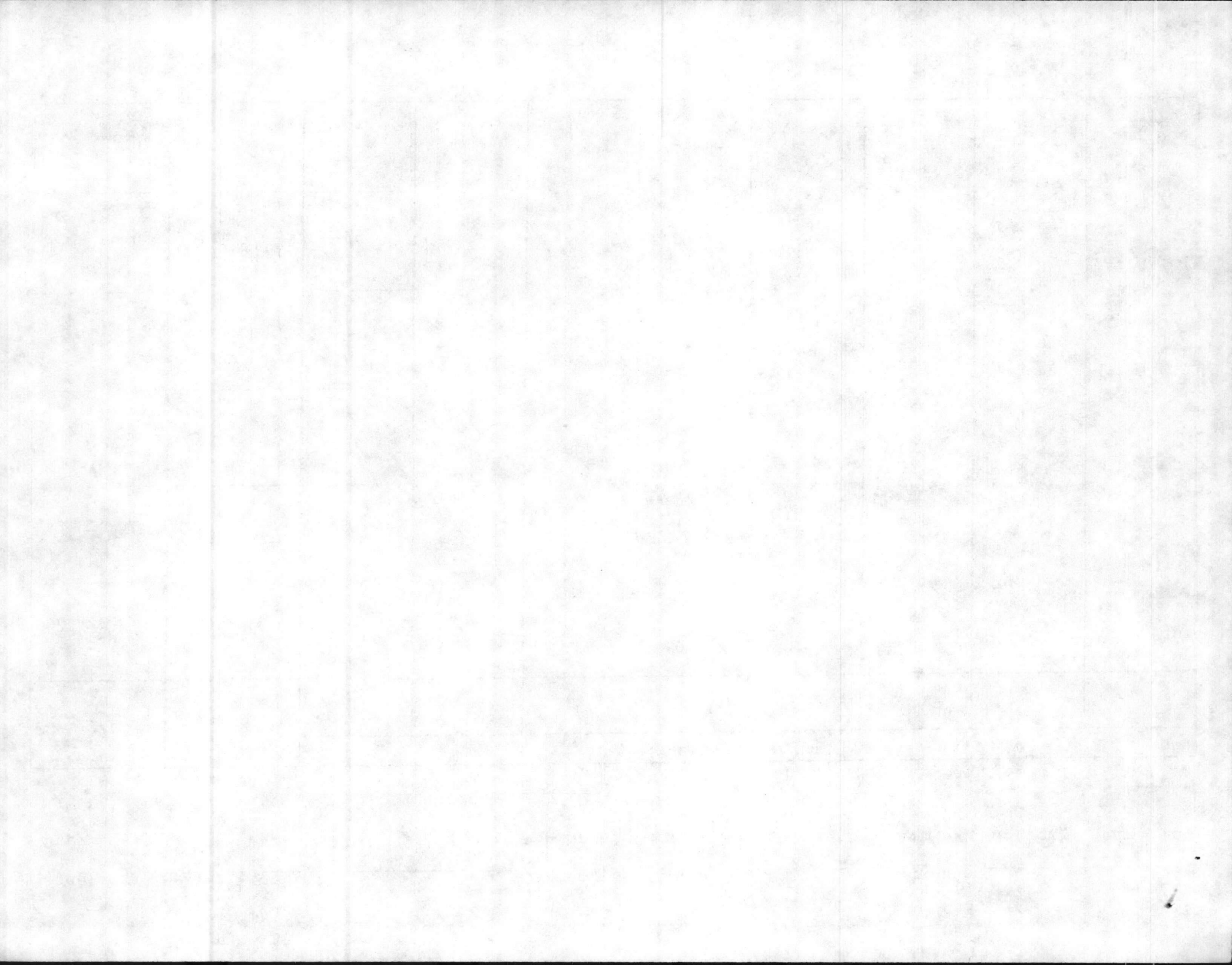

Ann E. Rosecrance
Laboratory Director



JTC Environmental Consultants, Inc.

Location: Camp Lejeune Date of Receipt: 9-23-87 Turnaround: 10 days
 Date: 10-7-87 Case No. 138 to Naval Facilities Engineering Command, Norfolk, Virginia
 JTC Data Report No. 87-444 Table 1 of 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		VOA + Freon						
87-31	61-0986	see attached sheet						
87-32	61-0987							
87-33	61-0988							
87-34	61-0989							
87-79 oil layer composite	61-0990							
87-80	61-0991							





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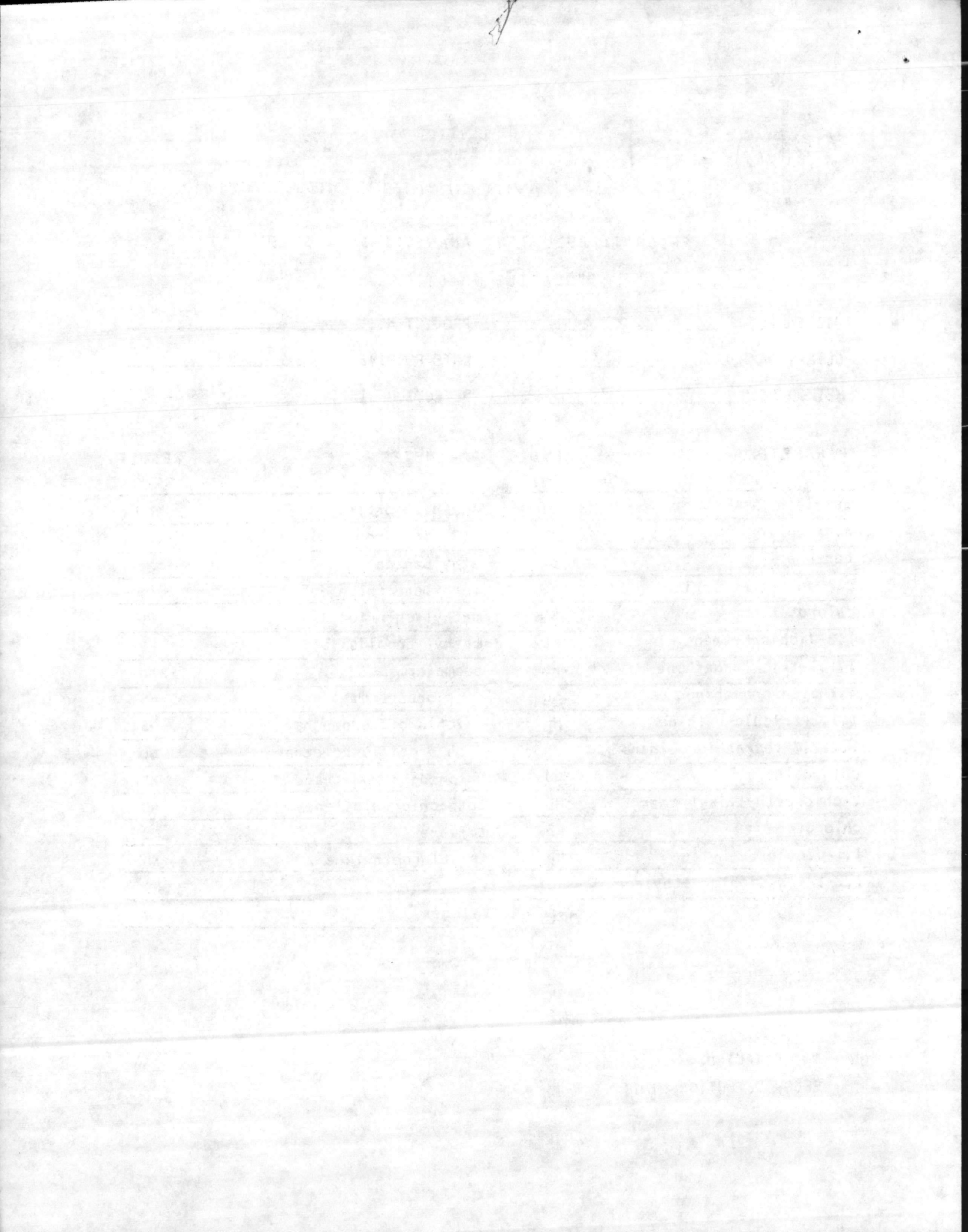
PRIORITY POLLUTANT ANALYSIS DATA SHEET

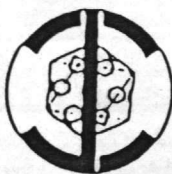
VOLATILE FRACTION

JTC SAMPLE # 61-0986 PROJECT NO. NF-61 #138
CLIENT SAMPLE # 87-31 DATE RECEIVED 9-23-87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

PARAMETER	RESULT mg/L	PARAMETER	RESULT mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	50 * ND	ethylbenzene	100 * ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	100 * ND	bromoform	ND
1,1-dichloroethane	ND	dichlorobromomethane	ND
1,1,2-trichloroethane	ND	trichlorofluoromethane	200 * ND
1,1,2,2-tetrachloroethane	ND	dichlorodifluoromethane	ND
chloroethane	ND	chlorodibromomethane	ND
2-chloroethylvinylether	ND	tetrachloroethylene	ND
chloroform	ND	toluene	390 ND
1,1-dichloroethylene	ND	trichloroethylene	70 * ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
2-HEXANONE	430	xylene	580 ND
		FREON	2900

ND = NOT DETECTED
* = BELOW DETECTION LIMIT





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T
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PRIORITY POLLUTANT ANALYSIS DATA SHEET

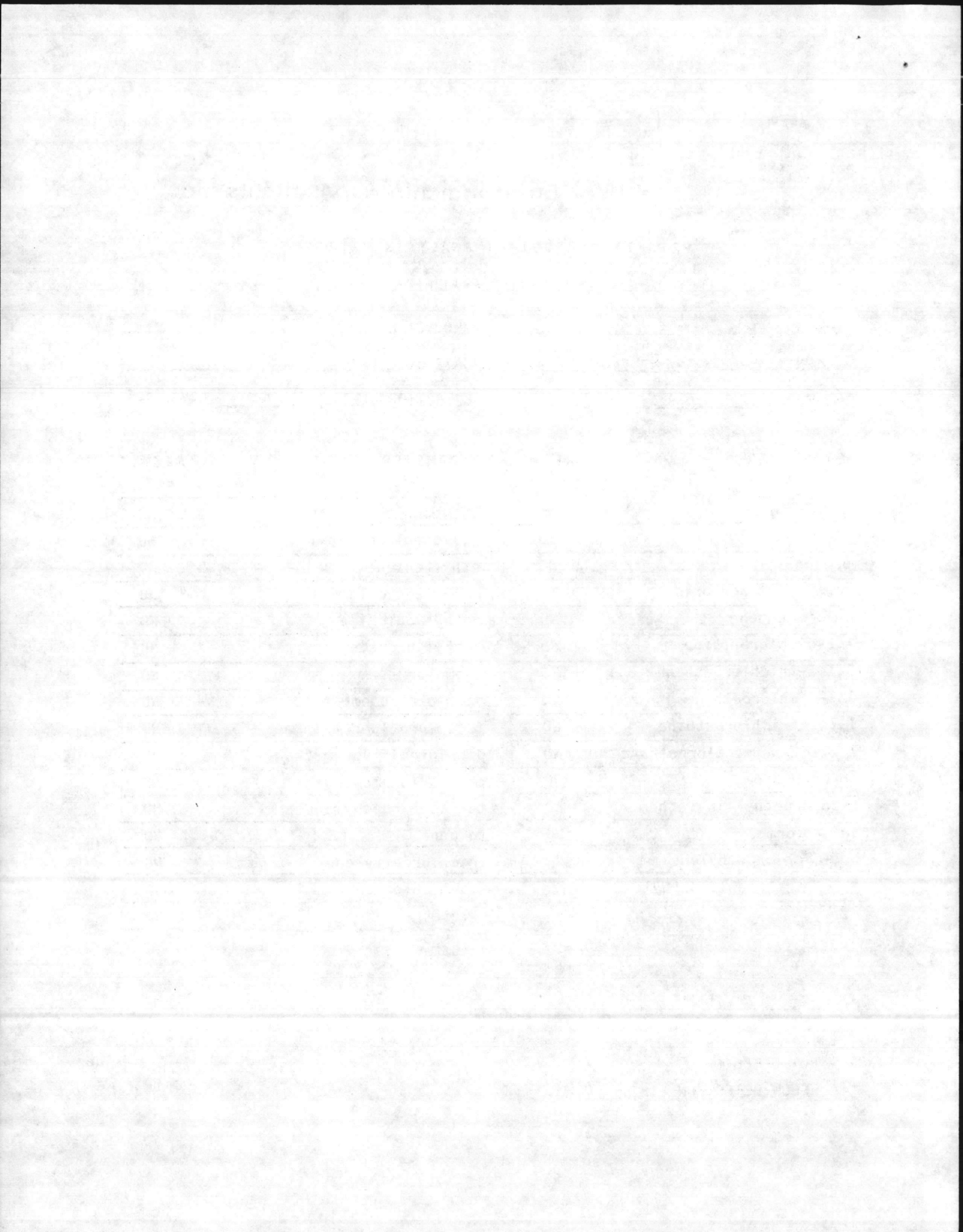
VOLATILE FRACTION

JTC SAMPLE # 61-0987 PROJECT NO. NF-61 #138
CLIENT SAMPLE # 87-32 DATE RECEIVED 9-23-87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

PARAMETER	RESULT mg/L	PARAMETER	RESULT mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	200 * ND	ethylbenzene	410 ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	410 ND	bromoform	ND
1,1-dichloroethane	ND	dichlorobromomethane	ND
1,1,2-trichloroethane	ND	trichlorofluoromethane	640 ND
1,1,2,2-tetrachloroethane	ND	dichlorodifluoromethane	ND
chloroethane	ND	chlorodibromomethane	ND
2-chloroethylvinylether	ND	tetrachloroethylene	ND
chloroform	ND	toluene	1300 ND
1,1-dichloroethylene	ND	trichloroethylene	100 * ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
ACETONE	1900	xylene	1900 ND
2-HEXANONE	1700	FREON	9300
4-METHYL-2-PENTANONE (MIBK)	380		

ND = NOT DETECTED

* = BELOW DETECTION LIMIT





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T
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PRIORITY POLLUTANT ANALYSIS DATA SHEET

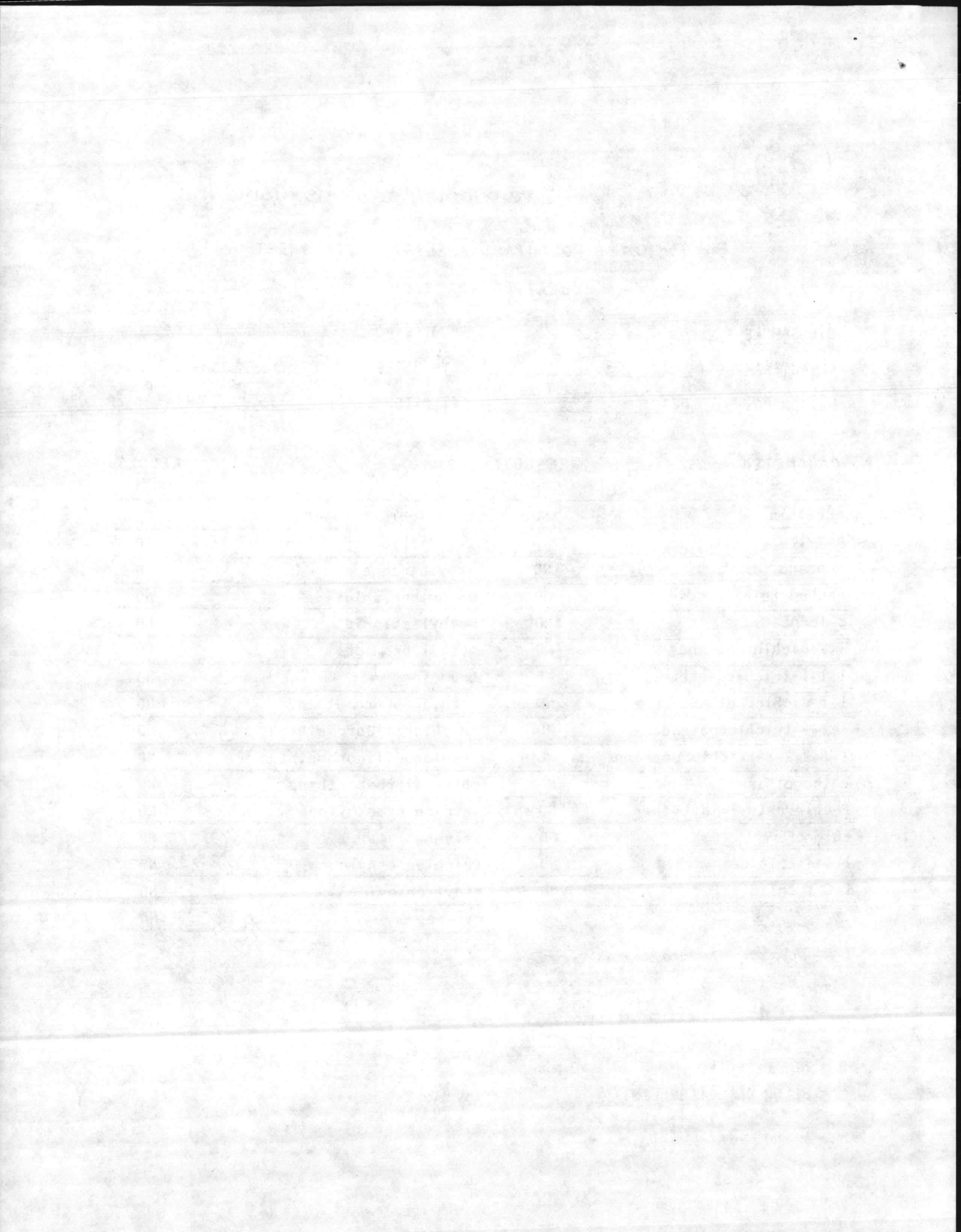
VOLATILE FRACTION

JTC SAMPLE # 61-0988 PROJECT NO. NF-61 #138
CLIENT SAMPLE # 87-33 DATE RECEIVED 9-23-87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

PARAMETER	RESULT mg/L	PARAMETER	RESULT mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	200 * ND	ethylbenzene	390 ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	380 ND	bromoform	ND
1,1-dichloroethane	ND	dichlorobromomethane	ND
1,1,2-trichloroethane	ND	trichlorofluoromethane	560 ND
1,1,2,2-tetrachloroethane	ND	dichlorodifluoromethane	ND
chloroethane	ND	chlorodibromomethane	ND
2-chloroethylvinylether	ND	tetrachloroethylene	ND
chloroform	ND	toluene	1300 ND
1,1-dichloroethylene	ND	trichloroethylene	100 * ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
ACETONE	1800	xylene	2000 ND
4-METHYL-2-PENTANONE (MIBK)	380	FREON	8200
2-HEXANONE	1600		

ND = NOT DETECTED

* = BELOW DETECTION LIMIT





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T
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PRIORITY POLLUTANT ANALYSIS DATA SHEET

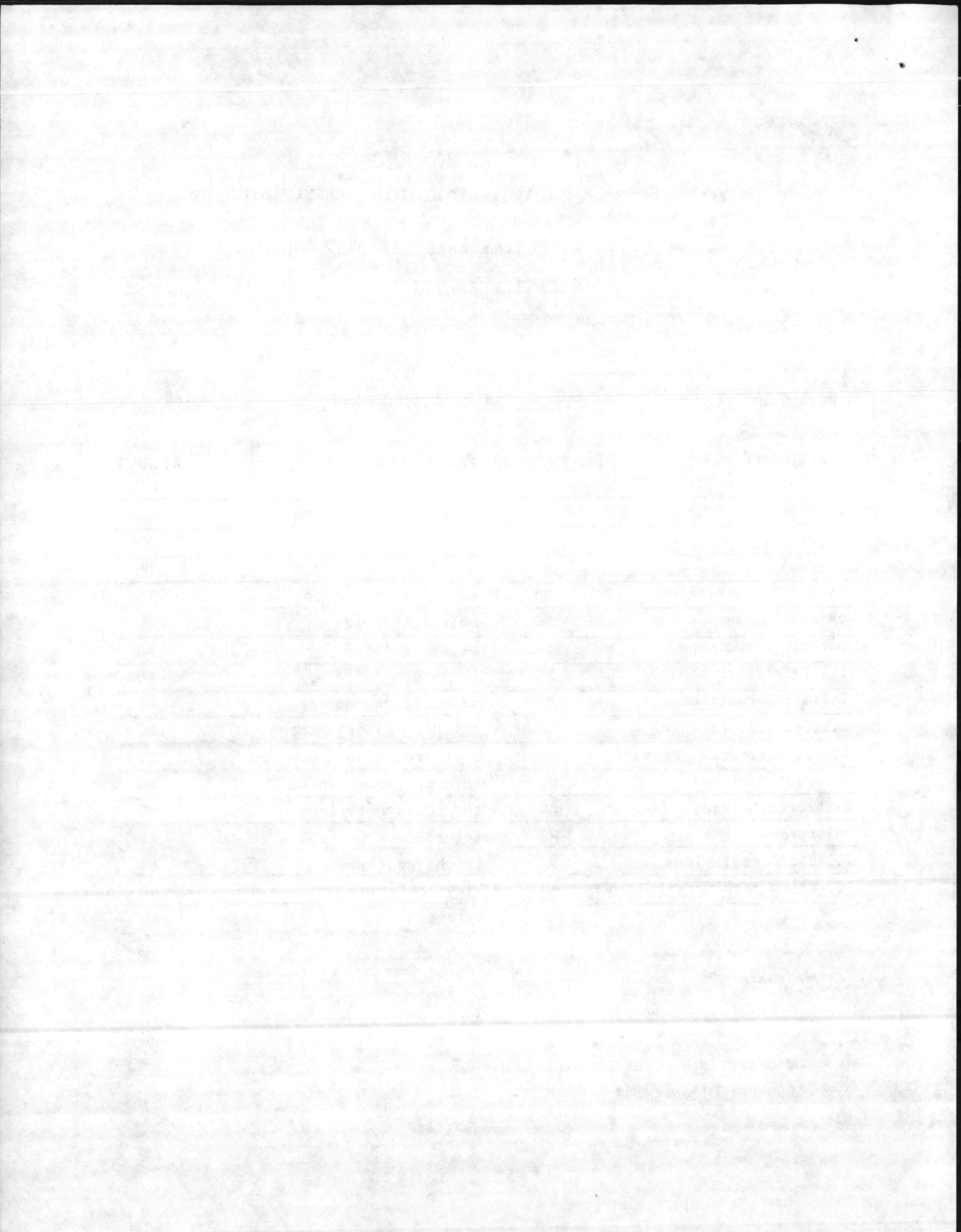
VOLATILE FRACTION

JTC SAMPLE # 61-0989 PROJECT NO. NF-61 #138
CLIENT SAMPLE # 87-34 DATE RECEIVED 9-23-87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

PARAMETER	RESULT mg/L	PARAMETER	RESULT mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	100 * ND	ethylbenzene	620 ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	310 ND	bromoform	ND
1,1-dichloroethane	ND	dichlorobromomethane	ND
1,1,2-trichloroethane	ND	trichlorofluoromethane	310 ND
1,1,2,2-tetrachloroethane	ND	dichlorodifluoromethane	ND
chloroethane	ND	chlorodibromomethane	ND
2-chloroethylvinylether	ND	tetrachloroethylene	ND
chloroform	ND	toluene	1200 ND
1,1-dichloroethylene	ND	trichloroethylene	100 * ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
ACETONE	1400	xylene	2000 ND
4-METHYL-2-PENTANONE (MIBK)	350	FREON	5200
2-HEXANONE	3300		

ND = NOT DETECTED

* = BELOW DETECTION LIMIT



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T

C Environmental Consultants, Inc.

PRIORITY POLLUTANT ANALYSIS DATA SHEET

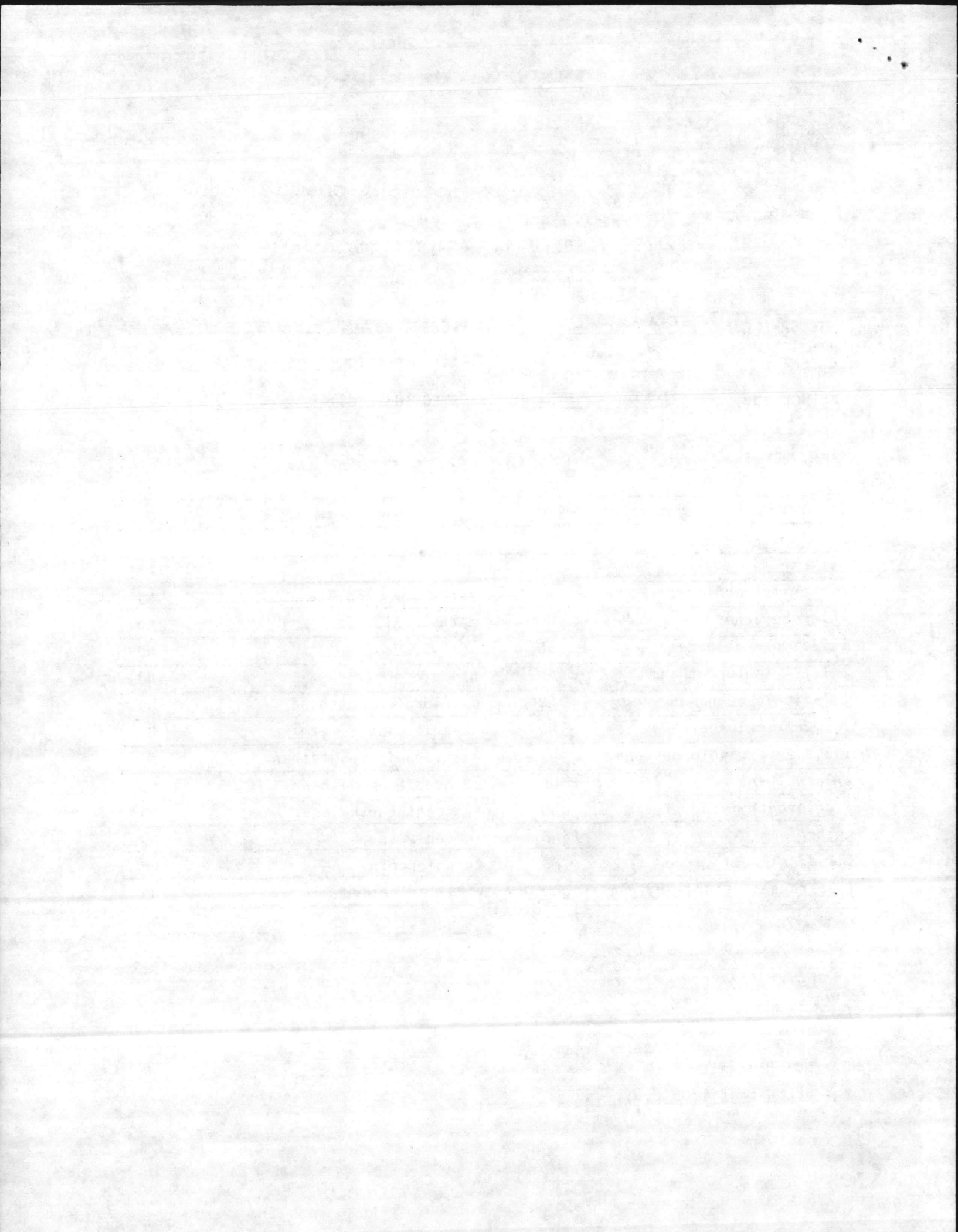
VOLATILE FRACTION

JTC SAMPLE # 61-0990 COMPOSITE PROJECT NO. NF-61 #138
CLIENT SAMPLE # 87-79 DATE RECEIVED 9-23-87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

PARAMETER	RESULT mg/L	PARAMETER	RESULT mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	200* ND	ethylbenzene	720 ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	100* ND	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	970 ND
1,1-dichloroethylene	ND	trichloroethylene	50* ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
ACETONE	1400	xylenes	1500 ND
4-METHYL-2-PENTANONE (MIBK)	330	FREON	1600
2-HEXANONE	1100		

ND = NOT DETECTED

* = BELOW DETECTION LIMIT



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T

C Environmental Consultants, Inc.

PRIORITY POLLUTANT ANALYSIS DATA SHEET

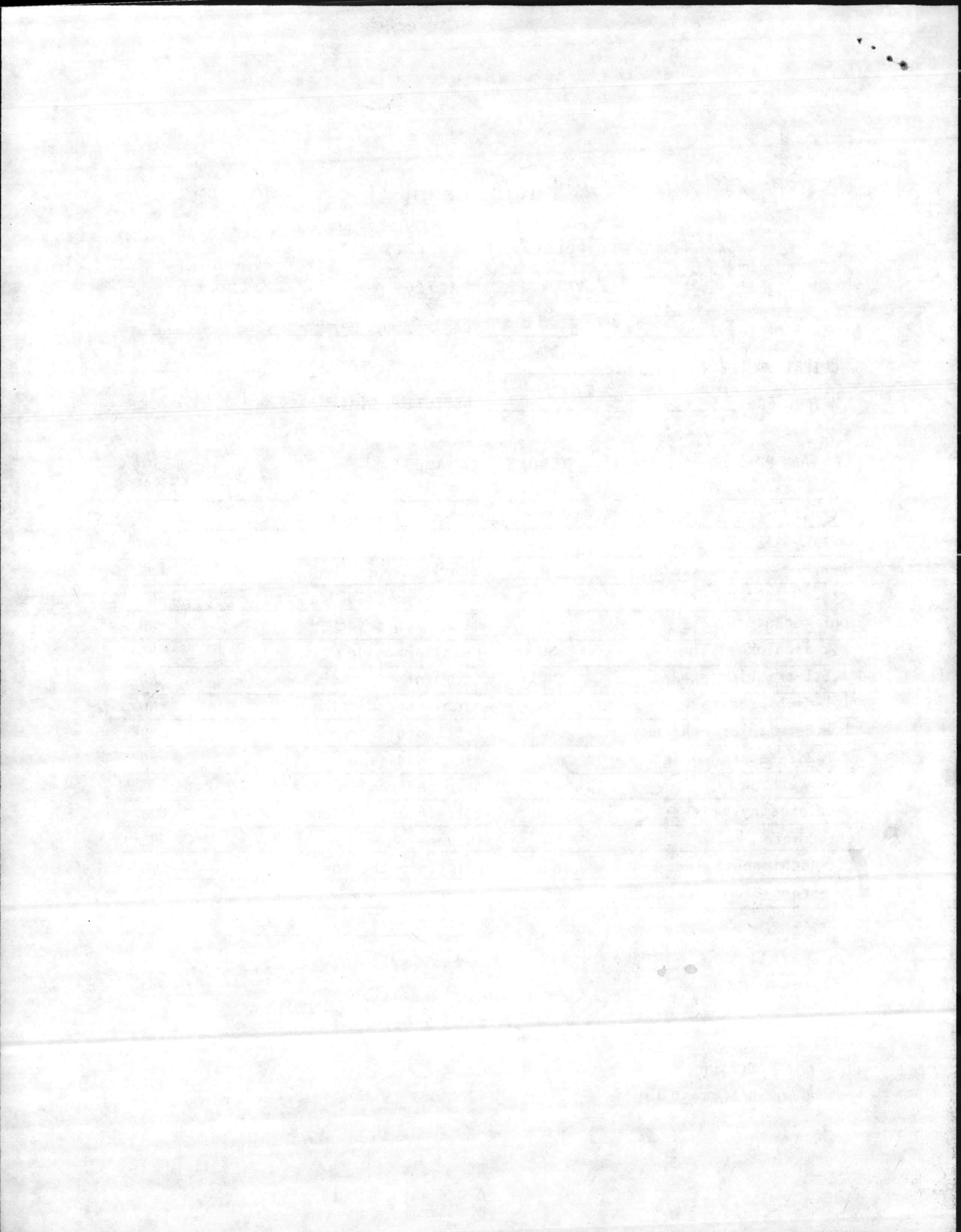
VOLATILE FRACTION

JTC SAMPLE # 61-0991 PROJECT NO. NF-61 #138
CLIENT SAMPLE # 87-80 DATE RECEIVED 9-23-87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

PARAMETER	RESULT mg/L	PARAMETER	RESULT mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	200 * ND	ethylbenzene	460 ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	ND	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	1300 ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
ACETONE	2300	xyleneS	2100 ND
4-METHYL-2-PENTANONE (MIBK)	500	FREON	600
2-HEXANONE	1500		

ND = NOT DETECTED

* = BELOW DETECTION LIMIT



02 NOV 1987

Addendum A

JTC DATA REPORT # 87-441

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE #136

PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

PREPARED BY:

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

OCTOBER 26, 1987

Ann E. Rosecrance

Ann E. Rosecrance
Laboratory Director

TRIP NOV 30

JTC Environmental Consultants, Inc.

Location: Camp Lejeune Date of Receipt: 9-21-87 Turnaround: routine

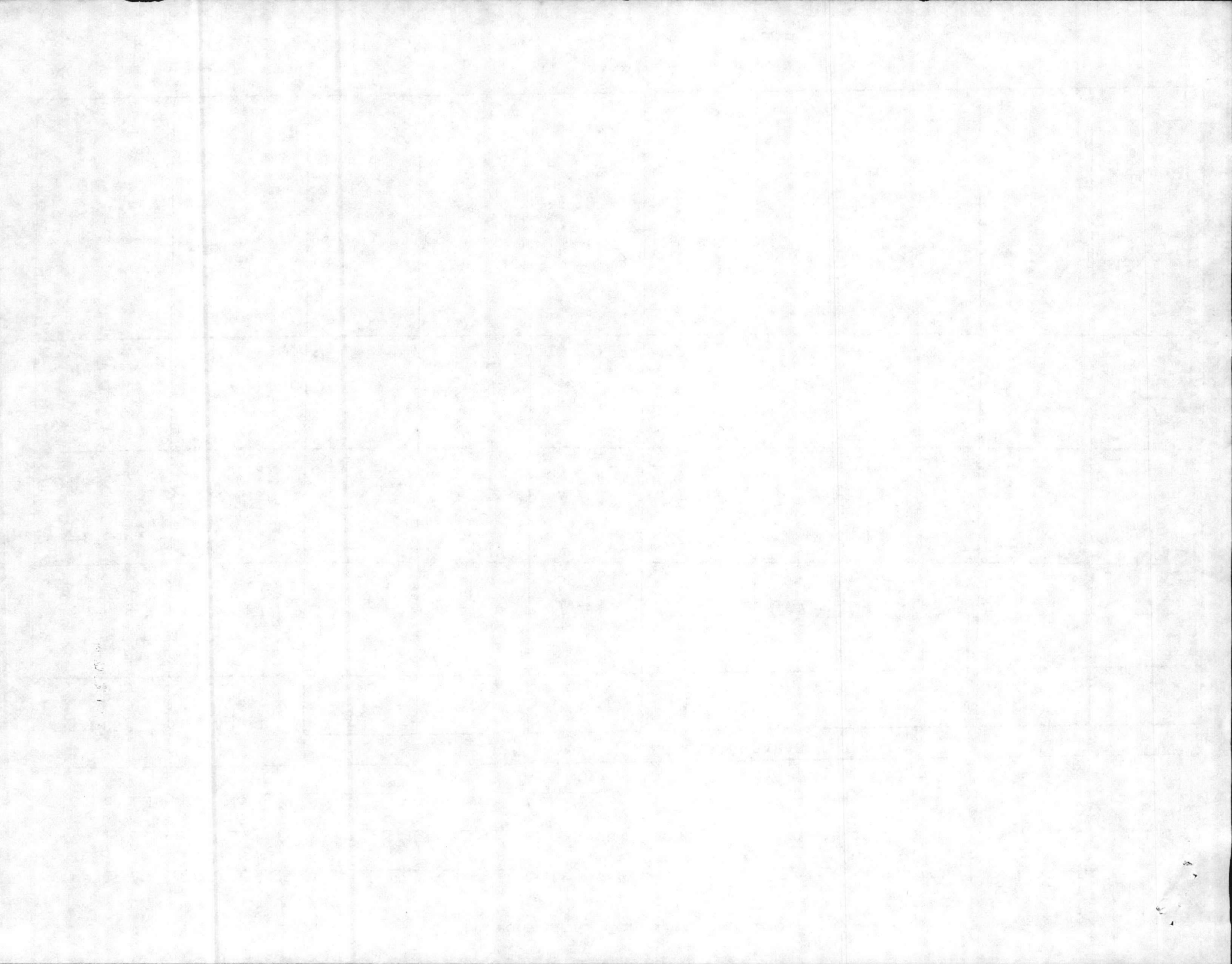
Date: 10-26-87 Case No. 136 Add A to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 87-441 Table 1 of 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		As mg/kg	Cd mg/kg	Cr	Pb mg/kg	Sp. Gravity g/ml		
87-81 STP-64	61-0979	<20	<2.0	NA	58	0.697		
87-82 STP-65	61-0980	<20	<2.0	NA	54	0.605		
87-83 STP-66	61-0981	<20	<2.0	NA	50	0.731		

Note: Analyses run on top layer of sample

NA = not available, results will be provided in a separate report addendum



Addendum B

JTC DATA REPORT # 87-441

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE # 136

Complete

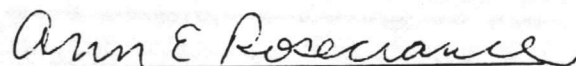
PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

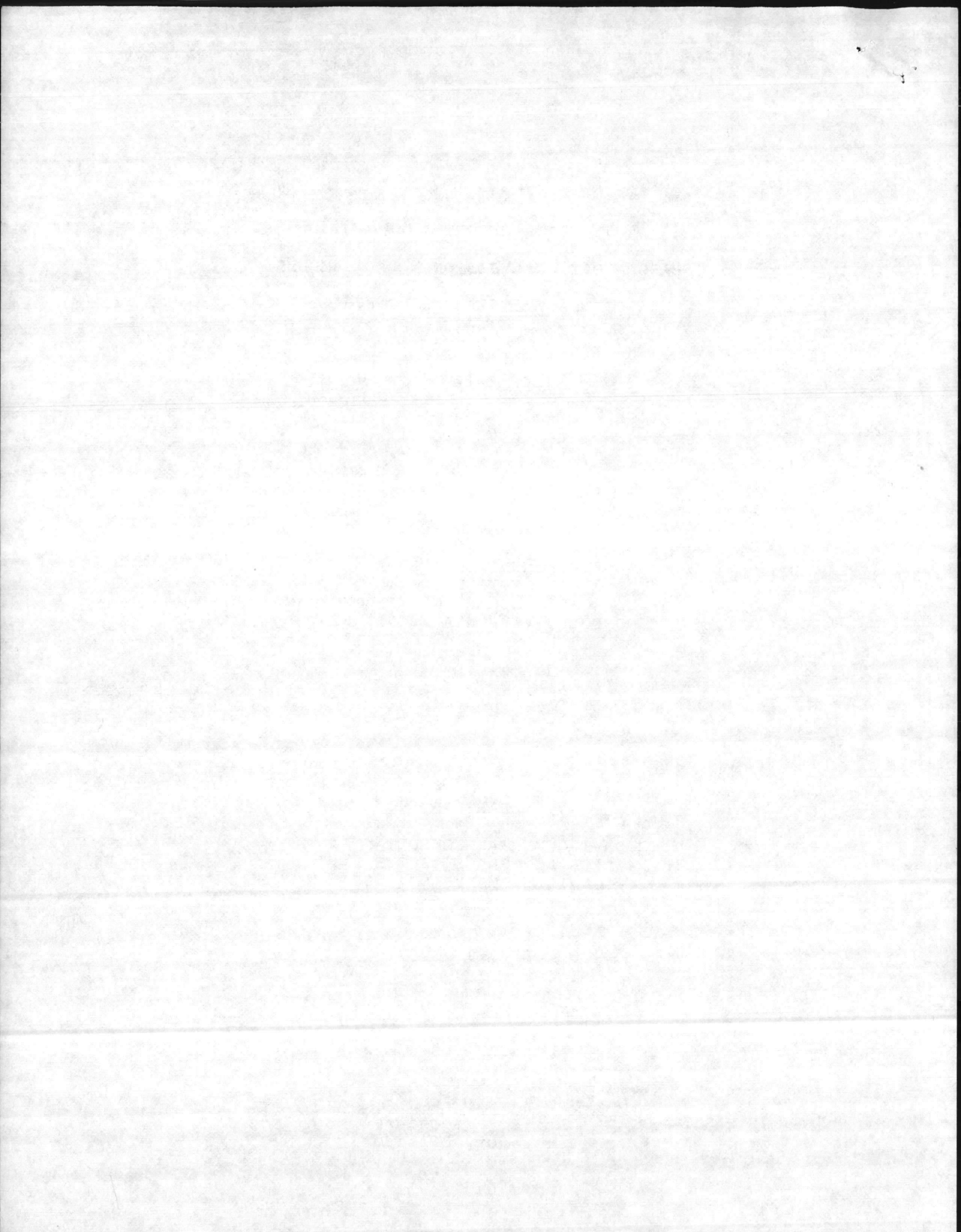
PREPARED BY:

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

OCTOBER 29, 1987



Ann E. Rosecrance
Laboratory Director



JTC Environmental Consultants, Inc.

Location: Camp Lejeune Date of Receipt: 9-21-87 Turnaround: routine

Date: 10-29-87 Case No. 136 Add. B to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 87-441 Table 1 of 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		Cr mg/kg						
87-81 STP-64	61-0979	<1.5						
87-82 STP-65	61-0980	2.3						
87-83 STP-66	61-0981	<1.5						

Note: Analysis run on top layer of sample

1/13

11

Addendum

JTC DATA REPORT # 87-474

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE # 139

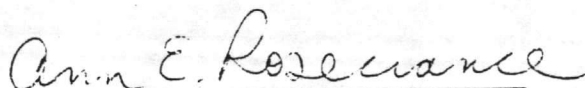
PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

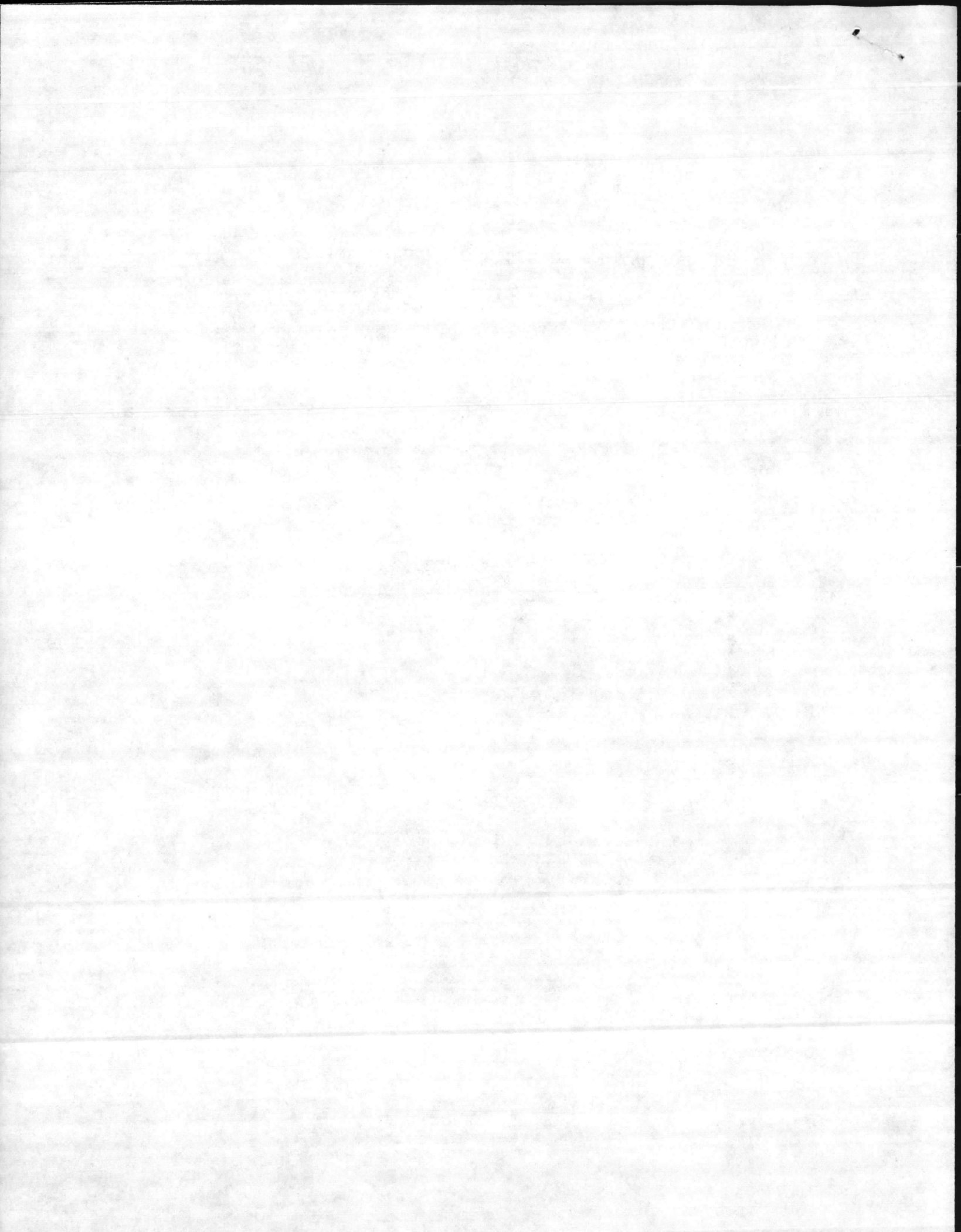
PREPARED BY:

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

OCTOBER 30, 1987

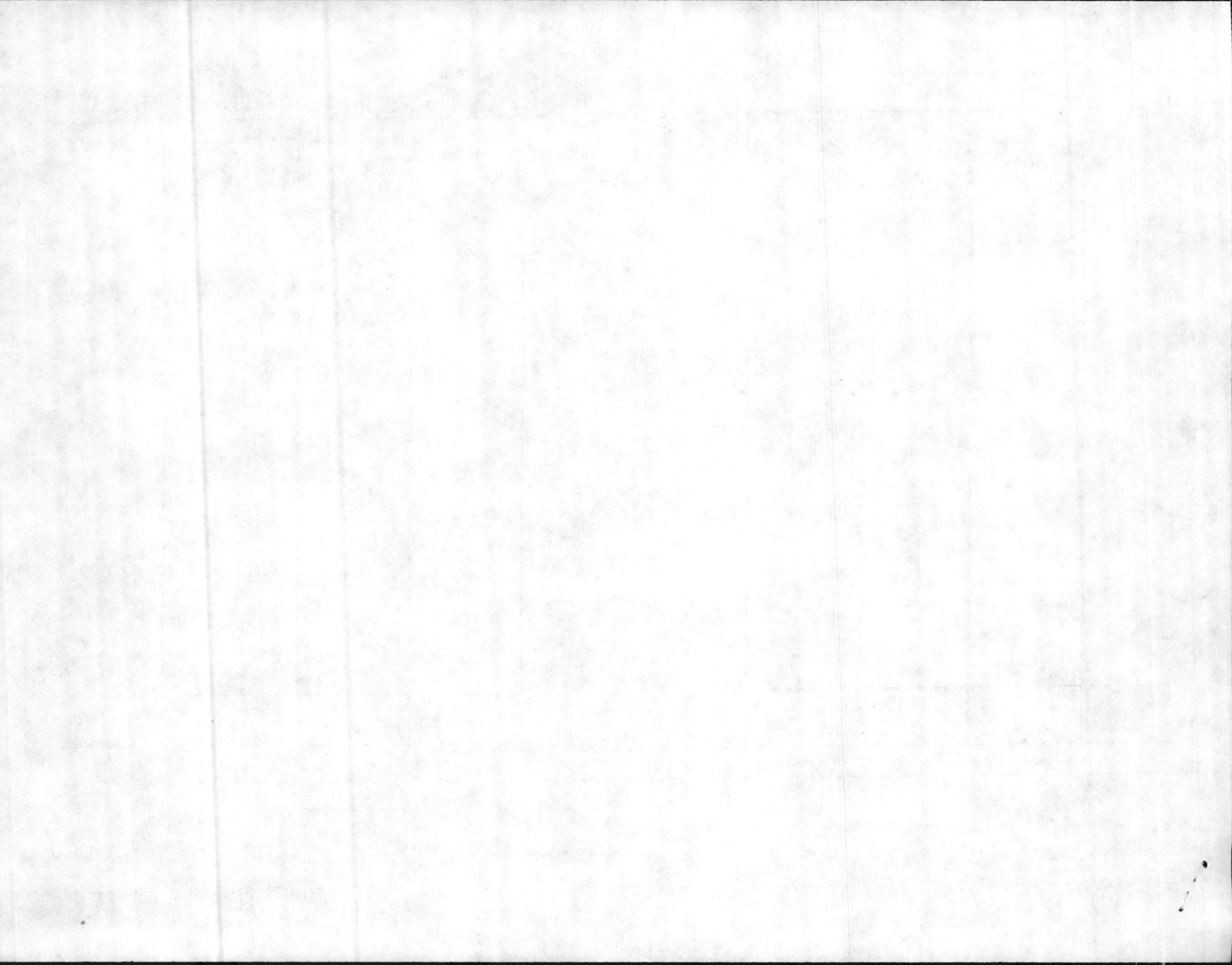


Ann E. Rosecrance
Laboratory Director



Location: Camp Lejeune Date of Receipt: 9-25-87 Turnaround: routine
Date: 10-30-87 Case No. 139 Add to Naval Facilities Engineering Command, Norfolk, Virginia
JTC Data Report No. 87-474 Table 1 of 2

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		Total Hg mg/kg						
87-84	61-0993	<0.1						



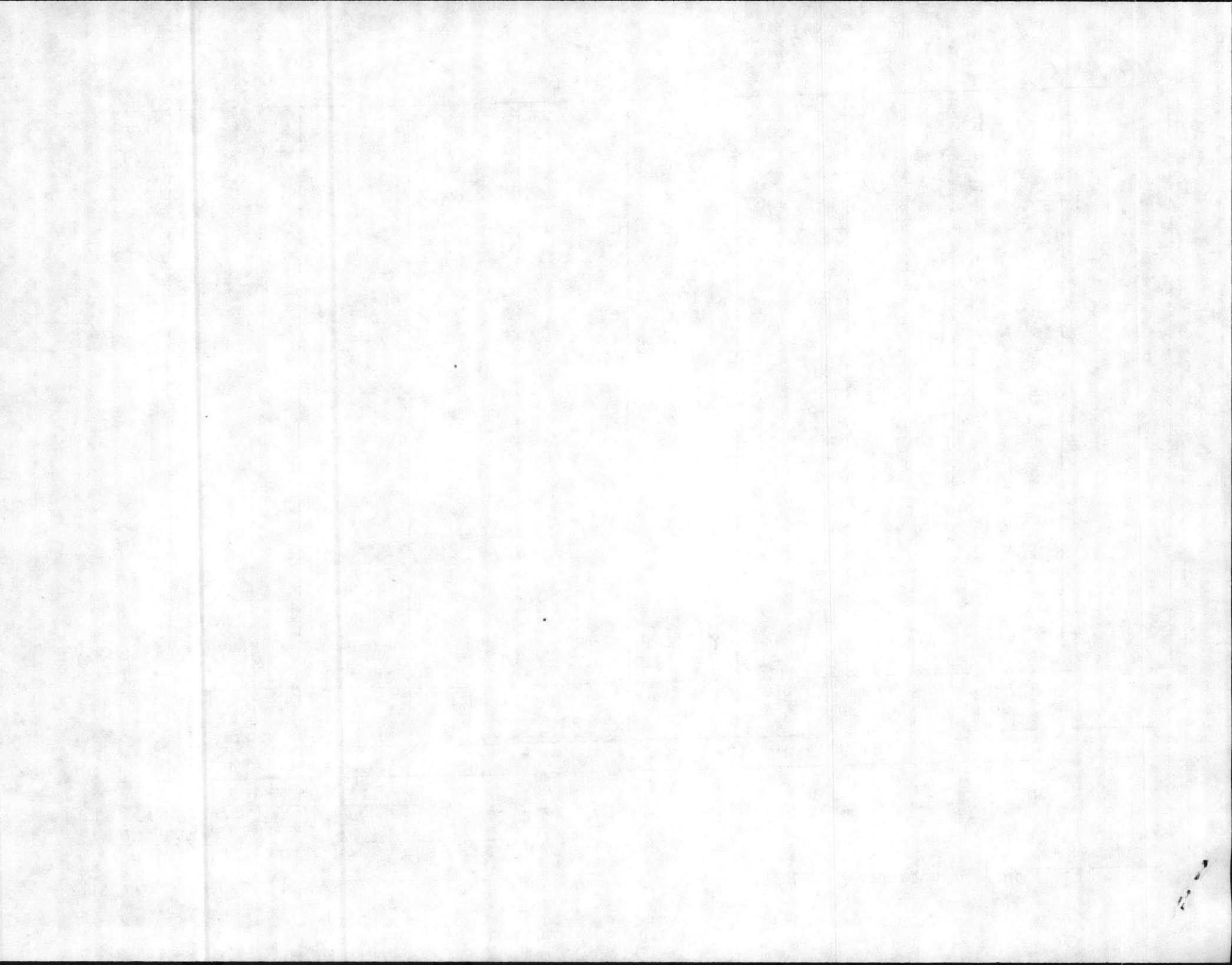
JTC Environmental Consultants, Inc.

Location: Camp Lejeune Date of Receipt: 9-25-87 Turnaround: routine

Date: 10-30-87 Case No. 139 Add to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 87-474 Table 2 of 2

NAVY SAMPLE ID	JTC SAMPLE ID	EP Tox Metals - Leachate							
		As mg/L	Ba mg/L	Cd mg/L	Cr mg/L	Pb mg/L	Hg ug/L	Se mg/L	Ag mg/L
87-84	61-0993	<0.02	0.73	0.42	<0.02	0.70	<0.2	<0.20	<0.02



Addendum A

JTC DATA REPORT # 87-474

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE # 139

Complete

PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

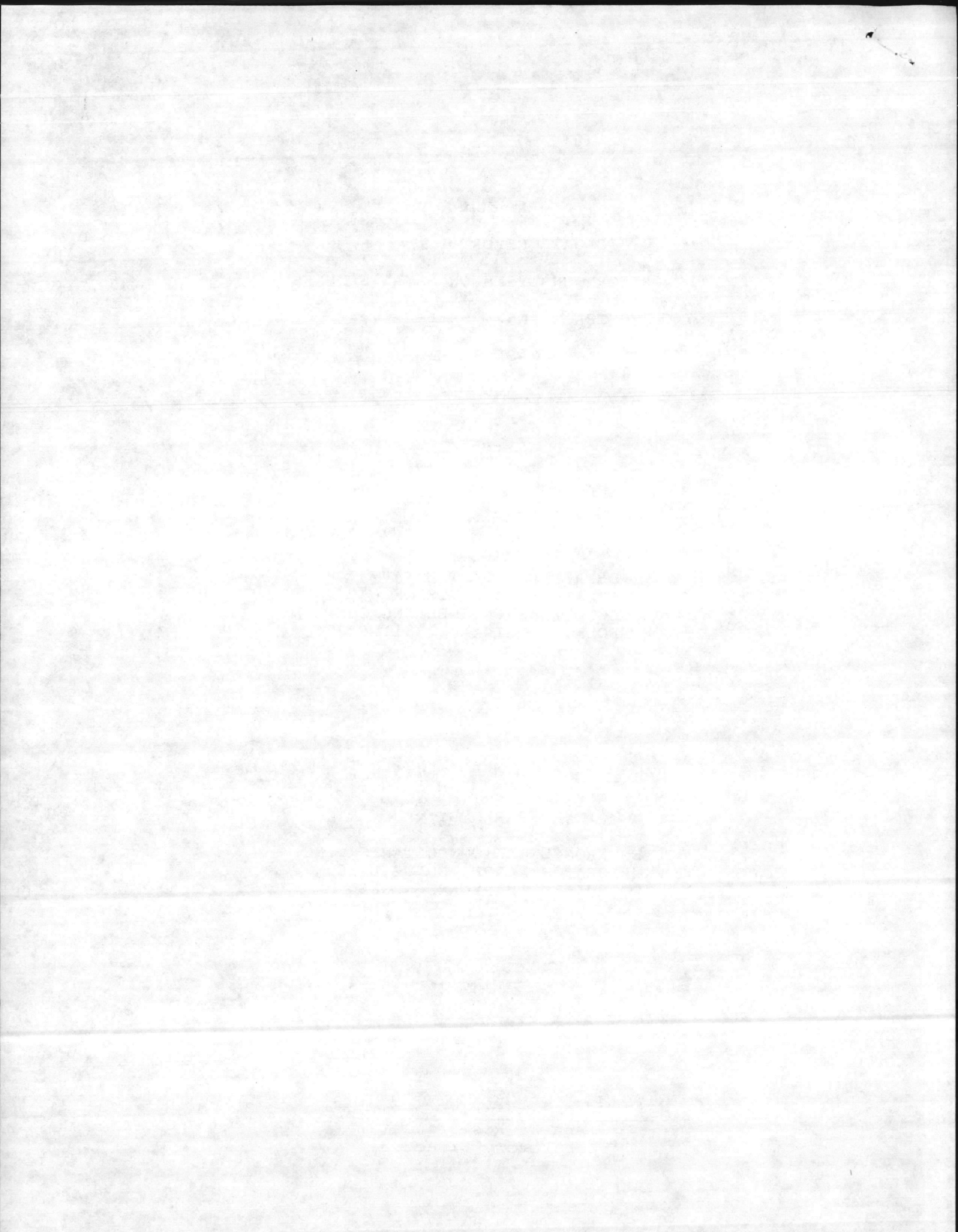
PREPARED BY:

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

NOVEMBER 2, 1987

Ann E. Rosecrance

Ann E. Rosecrance
Laboratory Director



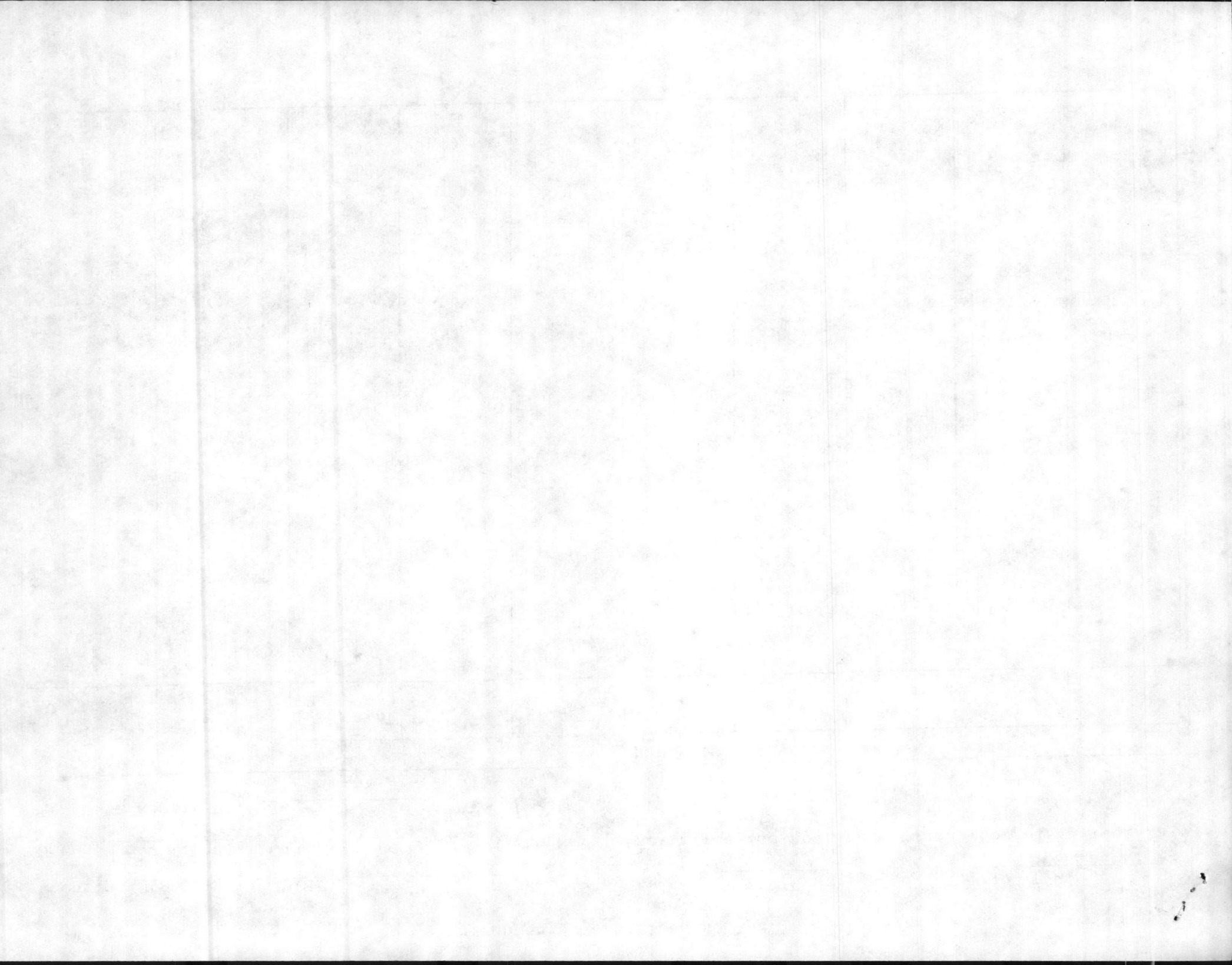
JTC Environmental Consultants, Inc.

Location: Camp Lejeune Date of Receipt: 9-25-87 Turnaround: routine

Date: 11-2-87 Case No. 139 Add A to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 87-474 Table 1 of 1

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						
		Flashpoint °C						
87-84	61-0993	48						



31 DEC 1987

Complete

JTC DATA REPORT # 87-547

LABORATORY ANALYSIS ON NAVAL SAMPLES

CONTRACT #N62470-86-C-8754

CASE # 184

PREPARED FOR:

DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511-6287

PREPARED BY:

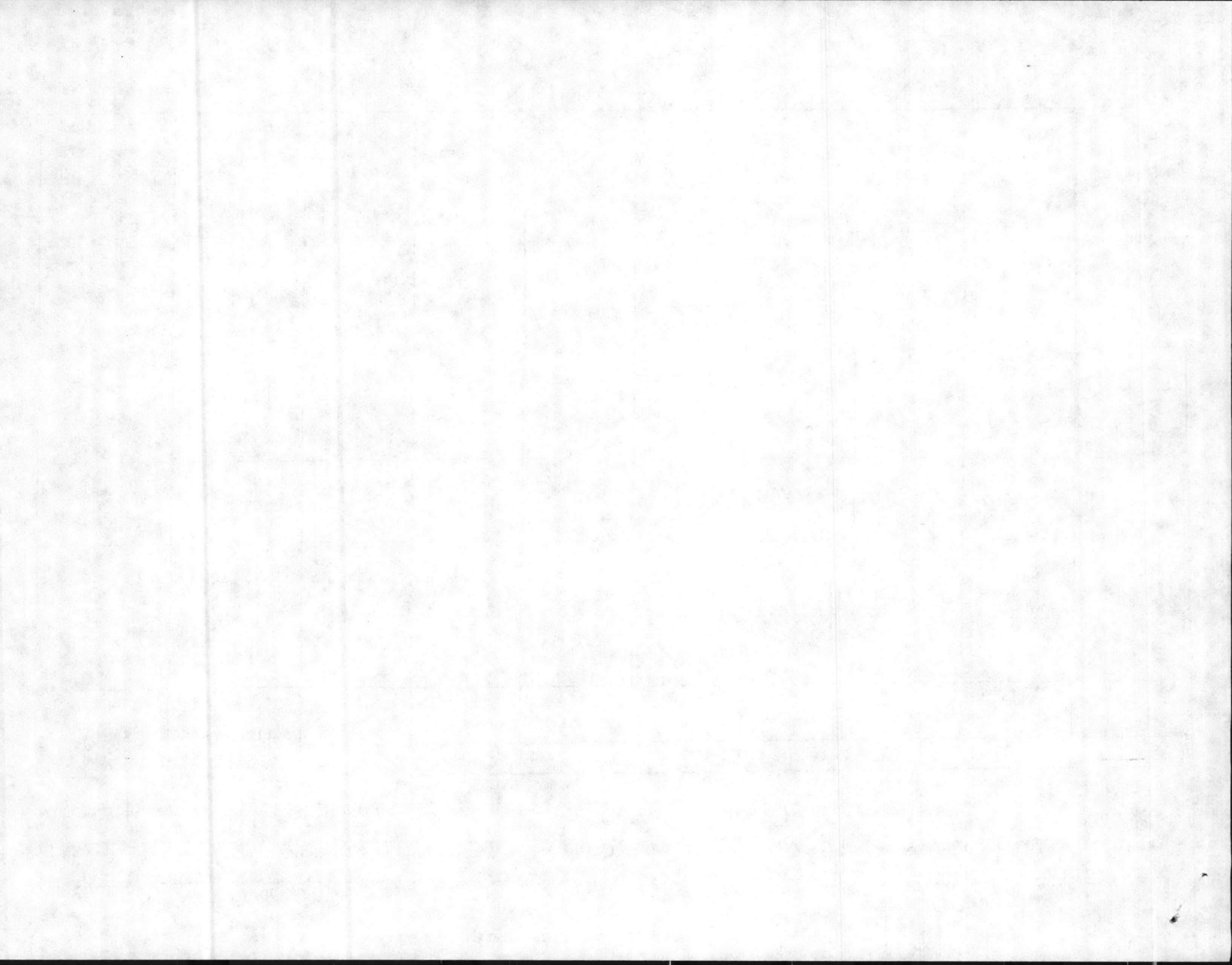
JTC ENVIRONMENTAL CONSULTANTS, INC.
4 RESEARCH PLACE, SUITE L-10
ROCKVILLE, MARYLAND 20850

DECEMBER 15, 1987

Ann E. Rosecrance

Ann E. Rosecrance
Laboratory Director

31 DEC 1967



JTC Environmental Consultants, Inc.

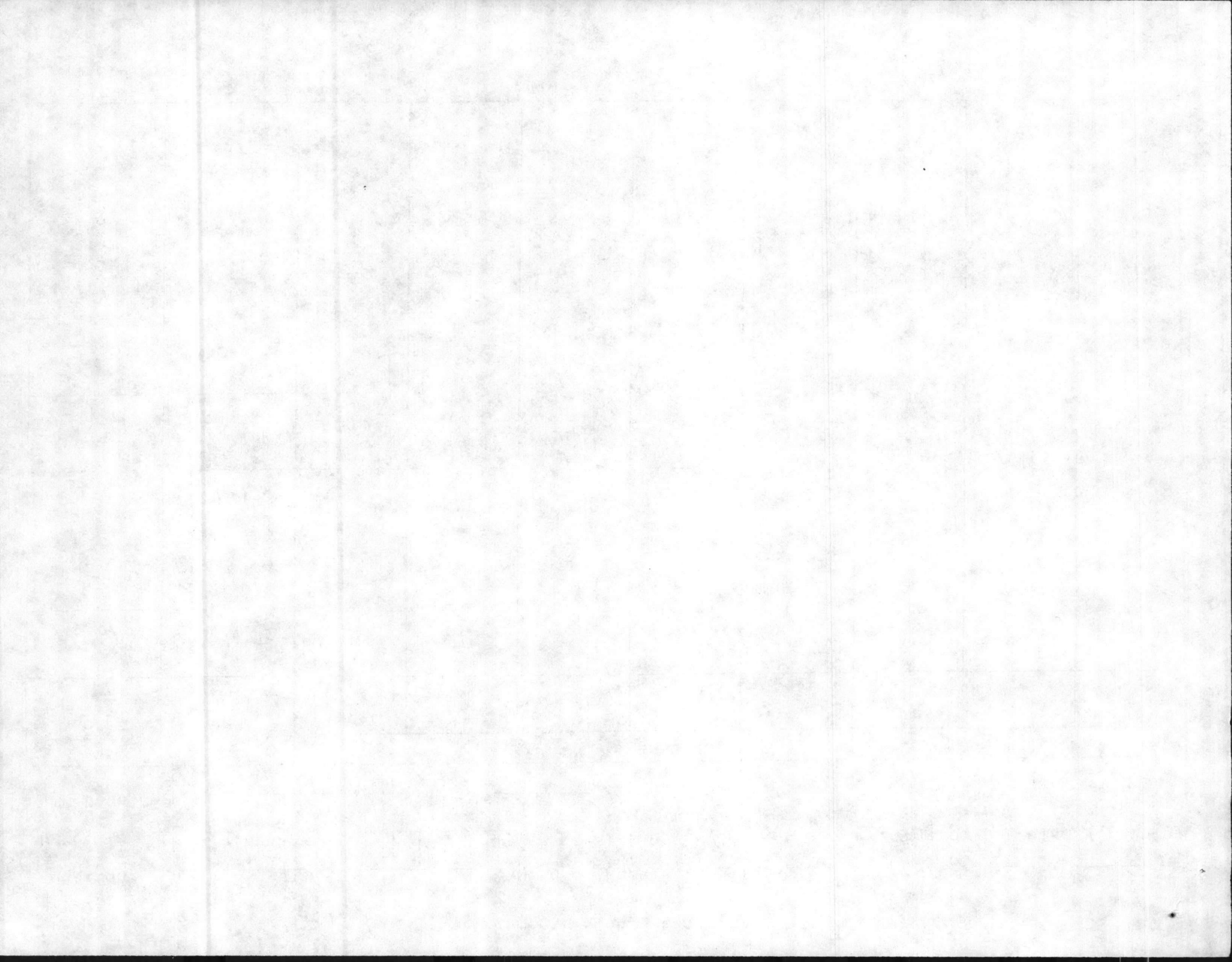
Location: Camp Lejeune Date of Receipt: 11-18-87 Turnaround: routine

Date: 12-15-87 Case No. 184 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 87-547 Table 2 of 2

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		VOA + Freon	TOX %Cl						
88-06	61-1303	see attached sheet	0.72						
88-12	61-1304	"	0.34						
88-17	61-1305	"	0.26						
88-24	61-1306	"	0.07						

Note: Analyses run on oil layer



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PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

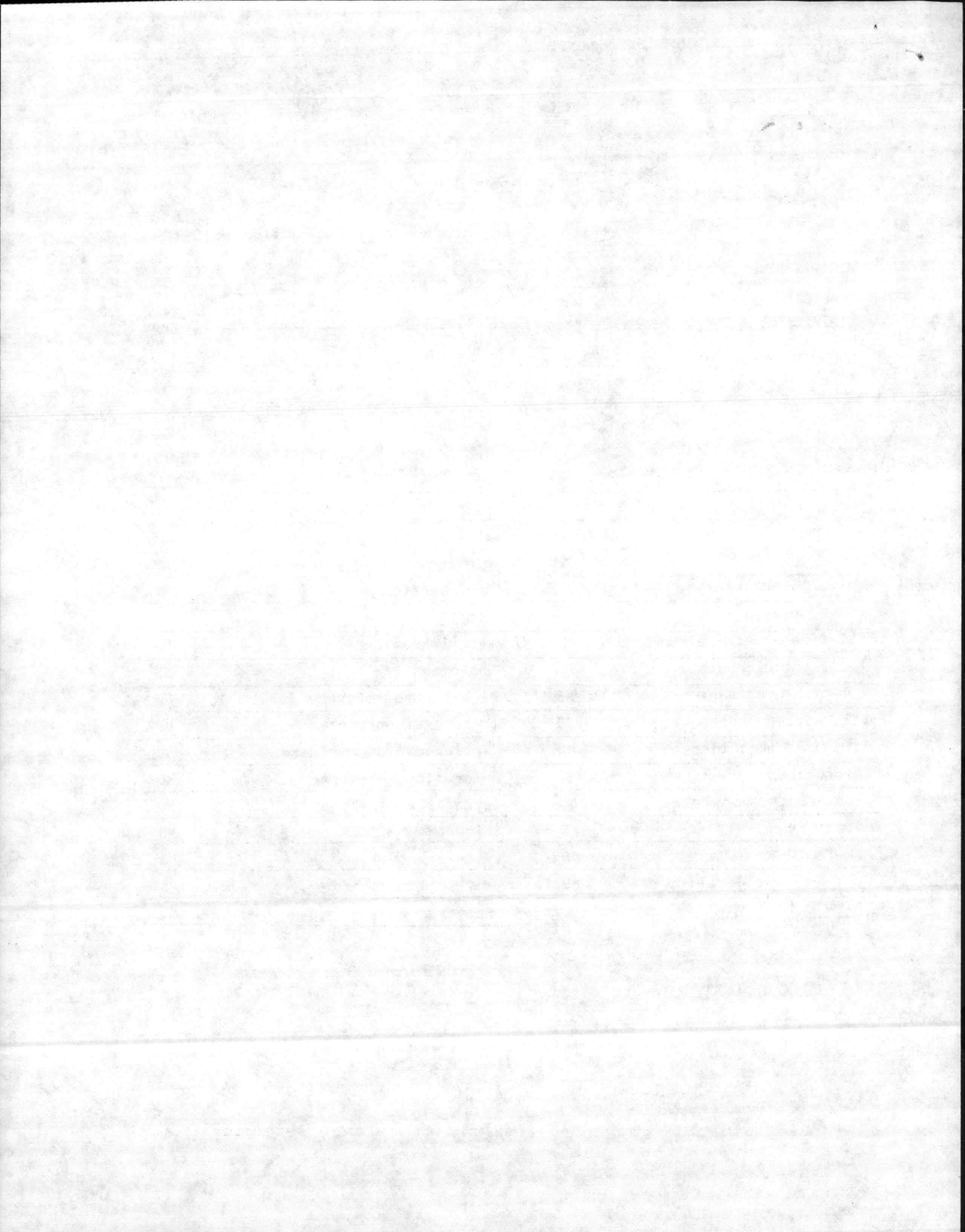
JTC SAMPLE # 61-1303 PROJECT NO. NF-61 #184
CLIENT SAMPLE # 88-06 DATE RECEIVED 11-18-87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

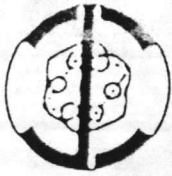
PARAMETER	RESULT	PARAMETER	RESULT
	mg/L		mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	ND	ethylbenzene	175* ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	ND	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	175* ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
2-butanone (MEK)	300	xylene	1,100 ND
4-methyl-2-pentanone (MIBK)	125*	1,1,2-trichloro-1,2,2,- trifluoroethane (freon)	ND 32,400
2-hexanone (MBK)	800		

ND = NOT DETECTED

* = BELOW DETECTION LIMIT

Note: Sample matrix prevented analysis at a lower detection limit





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PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

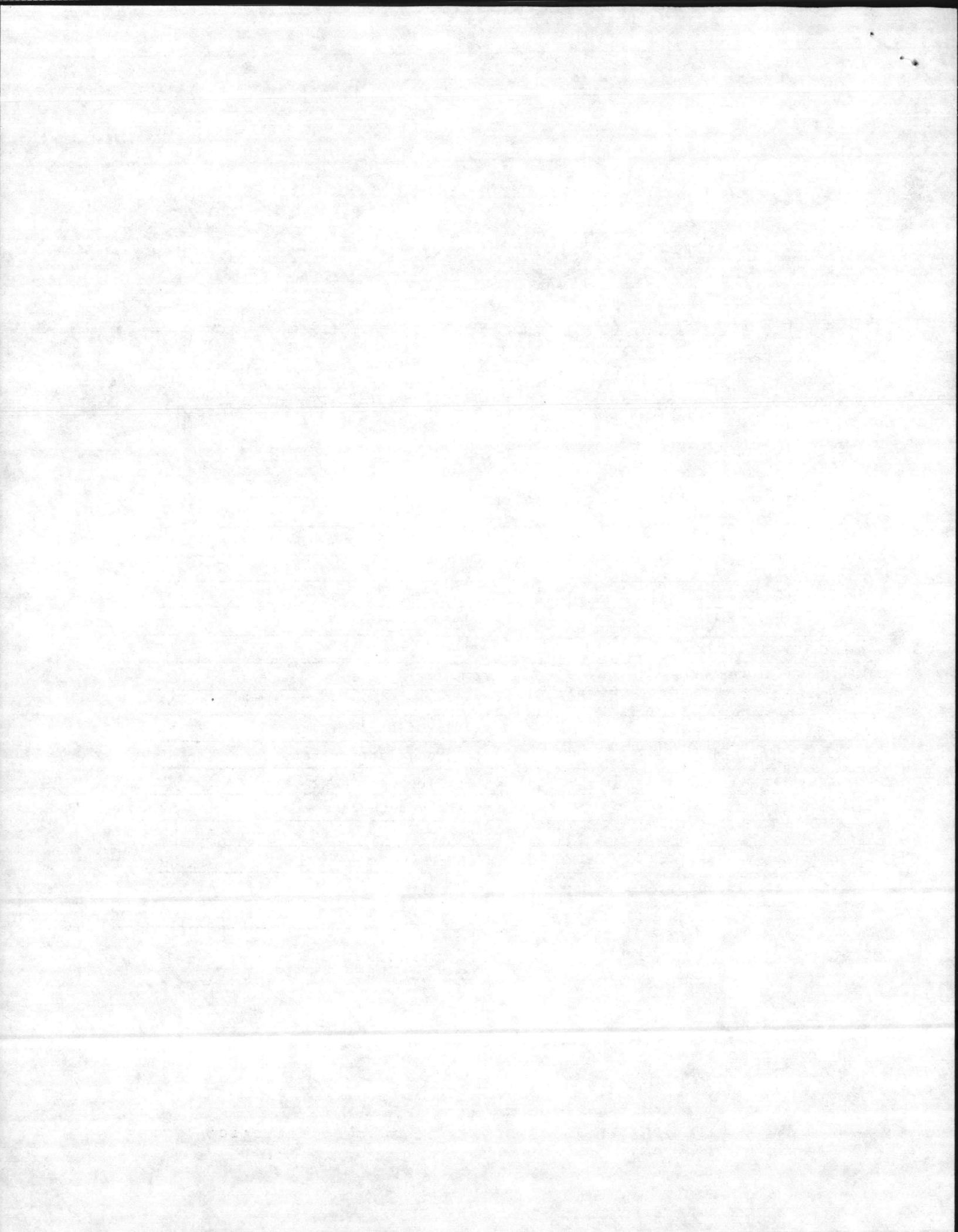
JTC SAMPLE # 61-1304 PROJECT NO. NF-61 #184
CLIENT SAMPLE # 88-12 DATE RECEIVED 11-18-87
METHOD NO. 624 DETECTION LIMIT 250 ma/L

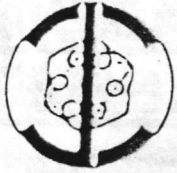
PARAMETER	RESULT	PARAMETER	RESULT
	ma/L		ma/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	25* ND	ethylbenzene	200* ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	ND	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	300 ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylenes	1500 ND

1,1,2-trichloro-1,2,2,-trifluoroethane (freon) ~~ND~~ 13,200

ND = NOT DETECTED
* = BELOW DETECTION LIMIT

Note: Sample matrix prevented analysis at a lower detection limit





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PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

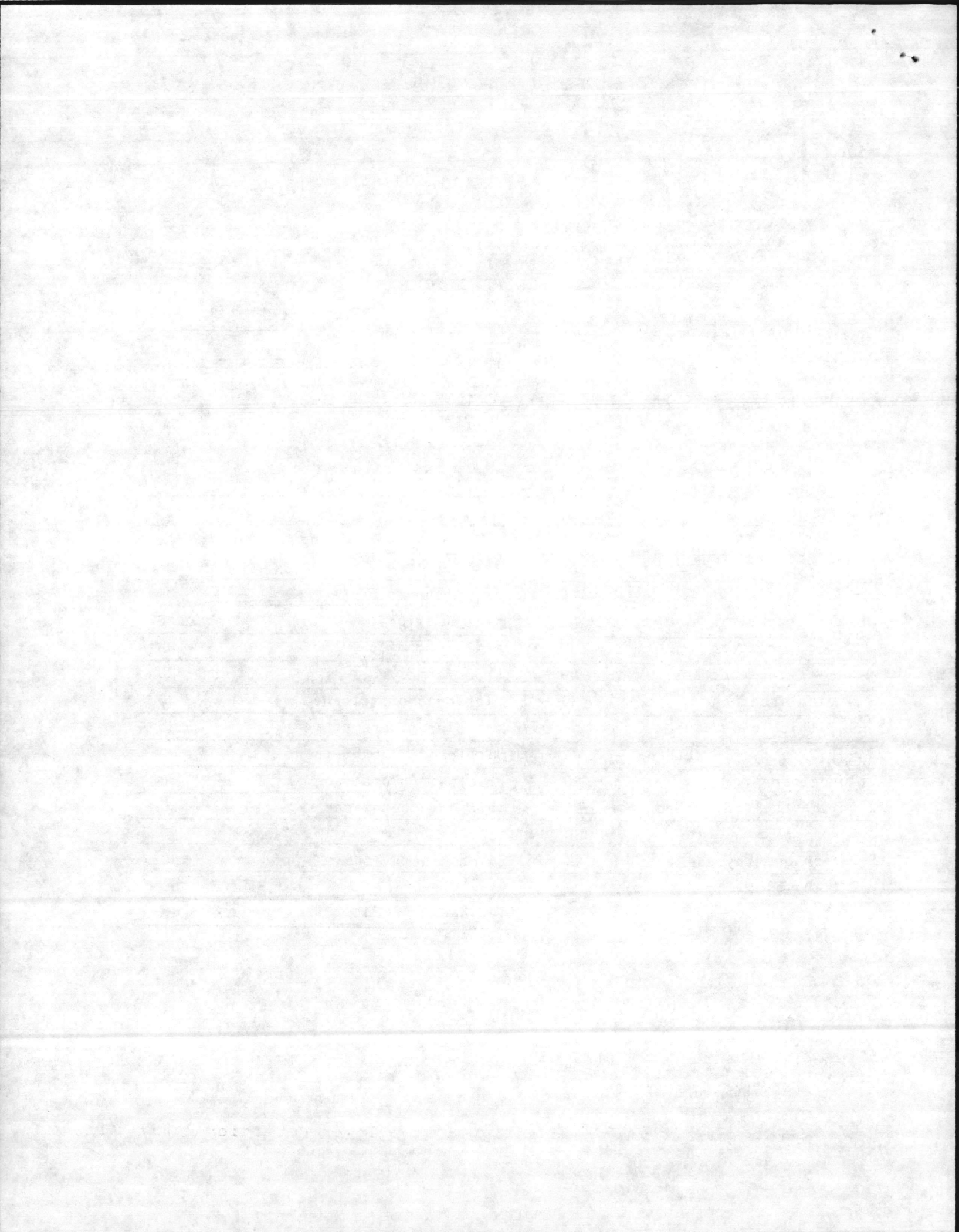
JTC SAMPLE # 61-1305 PROJECT NO. NF-61 #184
CLIENT SAMPLE # 88-17 DATE RECEIVED 11-18-87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

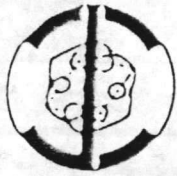
PARAMETER	RESULT	PARAMETER	RESULT
	mg/L		mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	ND	ethylbenzene	50* ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	ND	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	100* ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylenes	500 ND
		1,1,2-trichloro-1,2,2,- trifluoroethane (freon)	ND 7000

ND = NOT DETECTED

* = BELOW DETECTION LIMIT

Note: Sample matrix prevented analysis at a lower detection limit





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PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 61-1306 PROJECT NO. NF-61 #184
CLIENT SAMPLE # 88-24 DATE RECEIVED 11-18-87
METHOD NO. 624 DETECTION LIMIT 250 mg/L

PARAMETER	RESULT mg/L	PARAMETER	RESULT mg/L
acrolein	ND	1,2-dichloropropane	ND
acrylonitrile	ND	1,3-dichloropropylene	ND
benzene	25* ND	ethylbenzene	400 ND
carbon tetrachloride	ND	methylene chloride	ND
chlorobenzene	ND	methyl chloride	ND
1,2-dichloroethane	ND	methyl bromide	ND
1,1,1-trichloroethane	ND	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	200* ND
1,1-dichloroethylene	ND	trichloroethylene	ND
1,2-trans-dichloroethylene	ND	vinyl chloride	ND
		xylenes	2200 ND
		1,1,2-trichloro-1,2,2,- trifluoroethane (freon)	ND 200

ND = NOT DETECTED
* = BELOW DETECTION LIMIT

Note: Sample matrix prevented analysis at a lower detection limit

