VOLATILE ORGANIC CHEMICAL ANALYSIS REPORTS

STORED AT
ENVIRONMENTAL MANAGEMENT DEPARTMENT'S
LABORATORY
LOCATED AT BLDG 65

COMMENTS

1. NAVY SAMPLE ID # REFERS TO CAMP LEJEUNE BUILDING NUMBERS.

2. SAMPLING DATES ARE NOTED ON REPORTS.

3. ALL SAMPLING DONE PRIOR TO DECEMBER 1984, WAS DONE UNDER THE NACIP PROGRAM AND IS NOT PART OF THE LABORATORY'S RECORD.

4. THE MAJORITY OF THE REQUESTED DATA FOR THIS SECTION THAT WAS PART OF LABORATORY'S RECORD COULD NOT BE LOCATED. THE TIME PERIOD IS BEYOND NAVY RECORD RETENTION TIMES.

Danny 1023

CLW

A1/14

ROUTINE REPLY, ENDORSEMENT, TRANSMITTAL OR INFORMATION SHEET 0000005238

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, LANTNAVFACENGCOM 1143, NORFOLK, VA PH (804) 444-9566

DATE 1/8/84

SUBJECT
GROUNDWATER ANALYSIS, WELL 602 (QC CHECK)

SERIAL OR FILE NO.

TO:
CG MCB CAMP LEJEUNE
ATTN: ASST CHIEF OF STAFF - FACILITIES
MR. BOB ALEXANDER
CAMP LEJEUNE, NC 28542

REFERENCE

ENCLOSURE
J.R. REED LAB REPORT (ANALYSIS BY GRANGER) ON WELL 602 SAMPLE OF 12/13/84

VIA:

ENDORSEMENT ON

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

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

REMARKS *(Continue on reverse)*

BOB - NOTE THAT BENZENE DID NOT SHOW UP HERE, ALTHOUGH JTC FOUND 250 ppb IN THEIR SAMPLE. (RAKOWSKI SUGGESTED IT MAY HAVE VOLATILIZED OFF DUE TO DELAY IN ANALYSIS; HOWEVER, LAB TO RECHECK). OTHER PARAMETERS COMPARABLE TO RESULTS OBTAINED BY JTC. ESE RESULTS NOT IN YET. LETTER TO FOLLOW SOON.

SIGNATURE & TITLE

COPY TO: ORIGINAL IN 1332/4 Cherry

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

CLW
0000005239

James R. Reed & Associates, Inc.

Environmental Testing & Consulting

813 forrest drive • newport news, virginia 23606 • (804) 599-6750

Laboratory Services Report

TO
Commander
Attn: Code 1142/Goodwin
Atlantic Division
Naval Facilities Engineering CMD
Norfolk, Virginia 23511

January 4, 1985

Sample Identification	Analyses	Results (µg/l)
Sample received 12/14/84		
12/13/84	Purgeable Organics	
HP 602		
1355 Betz	Bromodichloromethane	<1.0
MCB Camp Lejune	Carbon Tetrachloride	<1.0
	Bromoform	<2.0
	Dibromochloromethane	<1.0
	Chloroform	<1.0
	Toluene	<1.0
	Benzene	<1.0
	Acrolein	<50
	Acrylonitrile	<50
	Chlorobenzene	<2.0
	Chloroethane	*
	Ethylbenzene	<2.0
	Bromomethane	*
	Chloromethane	*
	Methylene Chloride	<1.0
	Tetrachloroethylene	3.2
	Trichlorofluoromethane	<1.0
	1,1-Dichloroethane	34
	1,1-Dichloroethylene	< 1.0
	1,1,1-Trichloroethane	< 1.0
	1,1,2-Trichloroethane	< 1.0
	1,1,2,2-Tetrachloroethane	< 1.0
	1,2-Dichloroethane	< 1.0
	1,2-Dichlorobenzene	< 1.0
	1,2-Dichloropropane	< 1.0
	trans-1,2-Dichloroethylene	110

Respectfully submitted,

ALL TESTS ARE DONE IN ACCORDANCE WITH APHA AOAC

James R. Reed & Associates, Inc.
Environmental Testing & Consulting
813 forrest drive • newport news, virginia 23606 • (804) 599-6750

Laboratory Services Report

TO
Commander
Attn: Code 1142/Goodwin
Atlantic Division
Naval Facilities Engineering CMD
Norfolk, Virginia 23511

January 4, 1985

Sample Identification	Analyses	Results (µg/l)
Sample received 12/14/84		
12/13/84 HP 602 1355 Betz MCB Camp Lejune	Purgeable Organics (cont.)	
	cis/trans-1,3-Dichloropropene	< 3.0
	1,3-Dichlorobenzene	< 1.0
	1,4-Dichlorobenzene	< 1.0
	2-Chloroethylvinyl Ether	9.8
	Vinyl Chloride	*
	Trichloroethylene	300

* Detection limits have not been established

CLW
0000005240

Respectfully submitted,

REPORT # 29

LABORATORY ANALYSIS ON

NAVAL SAMPLES

(A/E Contract N62470-84-B-6932

JTC REPORT # 85-052

PREPARED FOR:

DEPARTMENT OF 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

February 14, 1985

Ann E. Rosecrance

Ann E. Rosecrance
Laboratory Director

JTC Environmental Consultants, Inc.

Date 2-14-85 Report No. 29 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-052 Table 1 Date of Sample Receipt 2-13-85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		VOA							
TT 26	12-0533	see attached sheets							
TT Treated	12-0534	"							
TT NewWell	12-0535	"							

CLW 0000005242

Every sample TT 26 received 2/13/85

CLW

0000005243

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL522 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0533 TT 26 SAMPLED ~~2/2~~ 2/12/85

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/13/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	3.8 * ~~N.D.~~
23V chloroform	N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

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

* Below method detection limit

1 10g sample

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW
0000005244

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL521 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0534 TT Treated 2/12/85

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/13/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	2.4* ~~N.D.~~
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	2.3* ~~N.D.~~
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	3.7* ~~N.D.~~
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

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

* Below method detection limit

Grey Sample TT New Well Received 2/13/85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW
0000005245

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 520 ~~535~~ PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE TT New Well 12-0535 2/12/85

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/13/85

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-dichloropropylene	N.D.
4V benzene	6.5 * ~~N.D.~~	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	37 ~~N.D.~~
23V chloroform	N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	1.8 * ~~N.D.~~
30V 1,2-trans-dichloroethylene	1.9 * ~~N.D.~~	88V vinyl chloride	N.D.

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

* Below method detection limit

REPORT # 37

LABORATORY ANALYSIS ON

NAVAL SAMPLES

(A/E Contract N62470-84-B-6932

JTC REPORT # 85-072

PREPARED FOR:

DEPARTMENT OF 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

MARCH 1, 1985

Ann E. Rosecrance

Ann E. Rosecrance
Laboratory Director

JTC Environmental Consultants, Inc.

Date 3-1-85 Report No. 37 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-072 Table 1 Date of Sample Receipt 2-22-85

SAMPLED 2-19-85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		VOA							
TT 26	12-0596	See attached Sheet							
TT Finished	12-0597	"							
TT New Well	12-0598	"							

CLW

00000005247

'avy sample TT26 'ceived 2-22-85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL561 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0596 TT26

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/22/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	64 ~~N.D.~~
23V chloroform	N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	4.1 ~~N.D.~~
30V 1,2-trans-dichloroethylene	9.5 ~~N.D.~~	88V vinyl chloride	N.D.

CLW

0000005248

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

Savy sample TT Finish. - received 2-22-85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL562 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0597 TT Finished

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/22/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	3.7 ~~N.D.~~
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	3.3 ~~N.D.~~
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	6.2 ~~N.D.~~
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

CLW

0000005249

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

Navy sample TT New well received 2-22-85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL563 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0598 TT New Well

METHOD NO. 624 DETECTION LIMIT 16 ug/lit

ANALYSIS DATE 2/22/85

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-dichloropropylene	N.D.
4V benzene	6.3 ~~N.D.~~	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	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	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	13 ~~N.D.~~	88V vinyl chloride	N.D.

CLW

0000005250

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

REPORT # 26

LABORATORY ANALYSIS ON

NAVAL SAMPLES

(A/E Contract N62470-84-B-6932

JTC REPORT # 85-080

PREPARED FOR:

DEPARTMENT OF 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

MARCH 8, 1985

Ann E. Rosecrance

Ann E. Rosecrance
Laboratory Director

JTC Environmental Consultants, Inc.

Date 3/7/85 Report No. 26 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-080 Table 1 Date of Sample Receipt 2-7-85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER: VOA							
602	12-0496	See attached sheet	SAMPLED 2/4/85						
608	12-0497	"							
610	12-0498	"							
645-5	12-0499	"							
649-3	12-0500	"							
651	12-0501	"							
651	12-0502	"							
654	12-0503	"							
AS 191	12-0504	"	SAMPLED 2/5/85						
AS 203	12-0505	"							
HB 670 Filter 1	12-0506	"							
HB 670 Filter 2	12-0507	"							
HP20	12-0508	"							
MCAS AS 110	12-0509	"							
MP M-178	12-0510	"							
TT STT 39A	12-0511	"							

CLW 0000005252

Navy Sam[illegible] # 602 Received 2-7-85

CLW

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET 0000005253

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 523 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0496 #602

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2-13-85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	1.5* ~~N.D.~~
23V chloroform	N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	38 ~~N.D.~~
30V 1,2-trans-dichloroethylene	74 ~~N.D.~~	88V vinyl chloride	N.D.

* Below method detection limit

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

Client Report No. 26

JTC Report No. 85-080

TENTATIVELY IDENTIFIED COMPOUNDS

Laboratory Sample ID 12-0496 Client Sample ID 602

COMPOUND	ESTIMATED CONCENTRATION
butane	8.4 ug/L
pentane	2.2 "
2-methyl butane	3.1 "

Navy Samp # 608 Received 2-7-85

CLW

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET 0000005255

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 528 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0497 #608

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2-13-85

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-dichloropropylene	N.D.
4V benzene	1.6* ~~N.D.~~	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	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	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	9.0* ~~N.D.~~
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

* Below method detection limit

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

Navy Sam # 610 Received 2/7/85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 527 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0498 #610

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/13/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	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	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

CLW

0000005256

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

Navy Samp # 645-5 Received 2/7/85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 542 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0499 645-5

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/19/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	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	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

CLW

0000005257

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

Navy Site # 649-3 Received 1/85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 544 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0500 649-3

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/20/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	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	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

CLW

0000005258

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

Y y sample #651 recv'd 2-7-85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW

0000005259

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 496 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0501 #651 1410 1:20 Dilution

METHOD NO. 624 DETECTION LIMIT 200 ug/lit

ANALYSIS DATE 2/8/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	400 ~~N.D.~~
23V chloroform	N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	18,900 ~~N.D.~~
30V 1,2-trans-dichloroethylene	7580 ~~N.D.~~	88V vinyl chloride	168* ~~N.D.~~

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

* Below Method Detection Limit

Navy sample #651 received 2-7-85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW

0000005260

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 497 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0502 #651 1410 250ml → 5000 1:20 Dilution

METHOD NO. 624 DETECTION LIMIT 200 ug/lit

ANALYSIS DATE 2/8/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	~~N.D.~~ 397
23V chloroform	N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	~~N.D.~~ 17600
30V 1,2-trans-dichloroethylene	~~N.D.~~ 8070	88V vinyl chloride	* ~~N.D.~~ 179

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

* Below Method Detection limit

Navy sample # 654 received 2/7/85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 546 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0503 654

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/20/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	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	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

CLW

0000005261

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE

Navy sample AS191 recei... 2/1/85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 549 PROJECT NO. NF12

SAMPLE DESIGNATION & DATE 12-0504 AS191

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/20/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	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	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

CLW

0000005262

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

Navy Samp # AS 203 Received 2/7/85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 564 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0505 AS203

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/20/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	N.D.
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	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	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

CLW

0000005263

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

; by sample HB670 Fr 1 #1 received 2-7-85

CLW

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET 0000005264

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL500 PROJECT NO. NF12

SAMPLE DESIGNATION & DATE 12-0506 HBF.Hr-1 (HB670)

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/8/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	3.6* ~~N.D.~~
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	3.4* ~~N.D.~~
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	21 ~~N.D.~~	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	2.8* ~~N.D.~~
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

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

* Below method detection limit

Many samples [illegible]

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW

0000005265

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 499 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0507 HB Filter #2

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/8/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	6.0* ~~N.D.~~
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	3.0* ~~N.D.~~
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	18 ~~N.D.~~	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	(1.5)* N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

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

* Below method detection limit

Navy sample HP20 received 2-7-85

CLW

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

0000005266

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL501 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0508 HP20

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/8/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	8.0 * ~~N.D.~~
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	5.1 * ~~N.D.~~
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	7.5 * ~~N.D.~~
23V chloroform	28 ~~N.D.~~	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	429 ~~N.D.~~
30V 1,2-trans-dichloroethylene	150 ~~N.D.~~	88V vinyl chloride	2.9* ~~N.D.~~

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

* Below method detection limit

y sample # MCAS AS1' received 4/1/85

CLW

JTC ENVIRONMENTAL CONSULTANTS, INC. 0000005267
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 547 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0509 MCAS AS 110

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/20/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	~~N.D.~~ 280
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	~~N.D.~~ 8.5 *
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	~~N.D.~~ 70
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	~~N.D.~~ 2.4 *	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

* Below method detection limit

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

Navy Sample MP M-178 Feed & Type

CLW

0000005268

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOA3PL 548 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0510 MP M-178

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/20/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	3.9* ~~N.D.~~
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	6.3* ~~N.D.~~
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	7.8* ~~N.D.~~
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	7.8* ~~N.D.~~	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

* Below method detection limit

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

lavy sample 11 011 39 received 2-1-85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW

VOLATILE FRACTION

0000005269

LAB SAMPLE LOG NO. VOASPL 509 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0511 TT STT 39A

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/11/85

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-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	~~N.D.~~ 7.2 *
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	~~N.D.~~ 2.0 *
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	~~N.D.~~ 11
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	~~N.D.~~ 215
23V chloroform	~~N.D.~~ 2.0 *	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	~~N.D.~~ 8.0 *
30V 1,2-trans-dichloroethylene	~~N.D.~~ 12	88V vinyl chloride	N.D.

* Below method detection limit

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

REPORT # 44

LABORATORY ANALYSIS ON

NAVAL SAMPLES

(A/E Contract N62470-84-B-6932

JTC REPORT # 85-104

PREPARED FOR:

DEPARTMENT OF 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

MARCH 27, 1985

Ann E. Rosecrance

Ann E. Rosecrance
Laboratory Director

JTC Environmental Consultants, Inc.

Date 3-27-85 Report No. 44 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-104 Table 1 Date of Sample Receipt 3-14-85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		VOA							
#1	12-0719	See attached Sheet	SAMPLED 3/11/85						
#2	12-0720	"							
#3	12-0721	"	SAMPLED 3/12/85						
#4	12-0722	"							
#5	12-0723	"							

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JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET 00005272

VOLATILE FRACTION

JTC SAMPLE # 12-0719 PROJECT NO. NF-12

NAVY SAMPLE # 1 Plant before reservoir DATE RECEIVED 3/14/85

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

PARAMETER	RESULT ug/lit
2V acrolein	N.D.
3V acrylonitrile	N.D.
4V benzene	N.D.
6V carbon tetrachloride	N.D.
7V chlorobenzene	N.D.
10V 1,2-dichloroethane	N.D.
11V 1,1,1-trichloroethane	N.D.
13V 1,1-dichloroethane	N.D.
14V 1,1,2-trichloroethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.
16V chloroethane	N.D.
19V 2-chloroethylvinyl ether	N.D.
23V chloroform	1.5* ~~N.D.~~
29V 1,1-dichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.
32V 1,2-dichloropropane	N.D.
33V 1,3-dichloropropylene	N.D.
38V ethylbenzene	N.D.
44V methylene chloride	N.D.
45V methyl chloride	N.D.
46V methyl bromide	N.D.
47V bromoform	3.9* ~~N.D.~~
48V dichlorobromomethane	1.9* ~~N.D.~~
49V trichlorofluoromethane	N.D.
50V dichlorodifluoromethane	N.D.
51V chlorodibromomethane	5.8* ~~N.D.~~
85V tetrachloroethylene	N.D.
86V toluene	N.D.
87V trichloroethylene	N.D.
88V vinyl chloride	N.D.

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

* below method detection limit

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JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET 0000005273

VOLATILE FRACTION

JTC SAMPLE # 12-0720 PROJECT NO. NF-12

NAVY SAMPLE # 2 TT New Well DATE RECEIVED 3/14/85

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

PARAMETER	RESULT ug/lit
2V acrolein	N.D.
3V acrylonitrile	N.D.
4V benzene	6.7* ~~N.D.~~
6V carbon tetrachloride	N.D.
7V chlorobenzene	N.D.
10V 1,2-dichloroethane	N.D.
11V 1,1,1-trichloroethane	N.D.
13V 1,1-dichloroethane	N.D.
14V 1,1,2-trichloroethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.
16V chloroethane	N.D.
19V 2-chloroethylvinyl ether	N.D.
23V chloroform	N.D.
29V 1,1-dichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	1.2* ~~N.D.~~
32V 1,2-dichloropropane	N.D.
33V 1,3-dichloropropylene	N.D.
38V ethylbenzene	N.D.
44V methylene chloride	N.D.
45V methyl chloride	N.D.
46V methyl bromide	N.D.
47V bromoform	N.D.
48V dichlorobromomethane	N.D.
49V trichlorofluoromethane	N.D.
50V dichlorodifluoromethane	N.D.
51V chlorodibromomethane	N.D.
85V tetrachloroethylene	16 ~~N.D.~~
86V toluene	N.D.
87V trichloroethylene	1.3* ~~N.D.~~
88V vinyl chloride	N.D.

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

* below method detection limit

CLW

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET 0000005274

VOLATILE FRACTION

JTC SAMPLE # 12-0721 PROJECT NO. NF-12

NAVY SAMPLE # 3 TT New Well DATE RECEIVED 3/14/85

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

PARAMETER	RESULT ug/lit
2V acrolein	N.D.
3V acrylonitrile	N.D.
4V benzene	4.3* ~~N.D.~~
6V carbon tetrachloride	N.D.
7V chlorobenzene	N.D.
10V 1,2-dichloroethane	N.D.
11V 1,1,1-trichloroethane	N.D.
13V 1,1-dichloroethane	N.D.
14V 1,1,2-trichloroethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.
16V chloroethane	N.D.
19V 2-chloroethylvinyl ether	N.D.
23V chloroform	N.D.
29V 1,1-dichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	2.8* ~~N.D.~~
32V 1,2-dichloropropane	N.D.
33V 1,3-dichloropropylene	N.D.
38V ethylbenzene	N.D.
44V methylene chloride	N.D.
45V methyl chloride	N.D.
46V methyl bromide	N.D.
47V bromoform	N.D.
48V dichlorobromomethane	N.D.
49V trichlorofluoromethane	N.D.
50V dichlorodifluoromethane	N.D.
51V chlorodibromomethane	N.D.
85V tetrachloroethylene	48 ~~N.D.~~
86V toluene	N.D.
87V trichloroethylene	2.4* ~~N.D.~~
88V vinyl chloride	N.D.

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

* below method detection limit

CLW

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET 0000005275

VOLATILE FRACTION

JTC SAMPLE # 12-0722 PROJECT NO. NF-12

NAVY SAMPLE # 4 Plant before reservoir DATE RECEIVED 3/14/85

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

PARAMETER	RESULT ug/lit
2V acrolein	N.D.
3V acrylonitrile	N.D.
4V benzene	2.2* ~~N.D.~~
6V carbon tetrachloride	N.D.
7V chlorobenzene	N.D.
10V 1,2-dichloroethane	N.D.
11V 1,1,1-trichloroethane	N.D.
13V 1,1-dichloroethane	N.D.
14V 1,1,2-trichloroethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.
16V chloroethane	N.D.
19V 2-chloroethylvinyl ether	N.D.
23V chloroform	1.8* ~~N.D.~~
29V 1,1-dichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	1.2* ~~N.D.~~
32V 1,2-dichloropropane	N.D.
33V 1,3-dichloropropylene	N.D.
38V ethylbenzene	N.D.
44V methylene chloride	N.D.
45V methyl chloride	N.D.
46V methyl bromide	N.D.
47V bromoform	3.7* ~~N.D.~~
48V dichlorobromomethane	2.1* ~~N.D.~~
49V trichlorofluoromethane	N.D.
50V dichlorodifluoromethane	N.D.
51V chlorodibromomethane	6.4* ~~N.D.~~
85V tetrachloroethylene	20 ~~N.D.~~
86V toluene	N.D.
87V trichloroethylene	1.1* ~~N.D.~~
88V vinyl chloride	N.D.

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

* below method detection limit

CLW

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET 0000005276

VOLATILE FRACTION

JTC SAMPLE # 12-0723 PROJECT NO. NF-12

NAVY SAMPLE # 5 Plant after reservoir DATE RECEIVED 3/14/85

METHOD NO. 624 DETECTION LIMIT 10 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-dichloropropylene	N.D.
4V benzene	1.6* ~~N.D.~~	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	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-trichloroethane	N.D.	47V bromoform	3.0* ~~N.D.~~
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	1.1* ~~N.D.~~
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	4.6* ~~N.D.~~
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	8.9* ~~N.D.~~
23V chloroform	1.4* ~~N.D.~~	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

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

* below method detection limit