

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.

CLW

0000005237

Danny [Signature]

CLW

A/14

0000005238

ROUTINE REPLY, ENDORSEMENT, TRANSMITTAL OR INFORMATION SHEET
OPNAV 5216/158 (Rev. 7-78)
SN 0107-LF-052-1691
A WINDOW ENVELOPE MAY BE USED
Formerly NAVEXOS 3784

CLASSIFICATION UNCLASSIFIED when detached from enclosures, unless otherwise indicated

FROM (Show telephone number in addition to address)
PH (804) 444-9566
C. BARNETT, LANTRAVFACENGCOM 1143, NORFOLK, VA

DATE 1/8/84
SERIAL OR FILE NO.

SUBJECT
GROUNDWATER ANALYSIS, WELL 602 (QC CHECK)

REFERENCE
ENCLOSURE

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

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

VIA: _____ ENDORSEMENT ON _____

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

GENERAL ADMINISTRATION	
FOR APPROPRIATE ACTION UNDER YOUR COGNIZANCE	
<input checked="" type="checkbox"/> INFORMATION	
APPROVAL RECOMMENDED <input type="checkbox"/> YES <input type="checkbox"/> NO	
<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	
COMMENT AND/OR CONCURRENCE CONCUR	
LOANED, RETURN BY:	
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:	

CONTRACT ADMINISTRATION	
NAME & LOCATION OF SUPPLIER OF SUBJECT ITEMS	
SUBCONTRACT NO. OF SUBJECT ITEM	
APPROPRIATION SYMBOL, SUBHEAD, AND CHARGEABLE ACTIVITY	
SHIPPING AT GOVERNMENT EXPENSE <input type="checkbox"/> YES <input type="checkbox"/> NO	
A CERTIFICATE, VICE BILL OF LADING	
COPIES OF CHANGE ORDERS, AMENDMENT OR MODIFICATION	
CHANGE NOTICE TO SUPPLIER	
STATUS OF MATERIAL ON PURCHASE DOCUMENT	

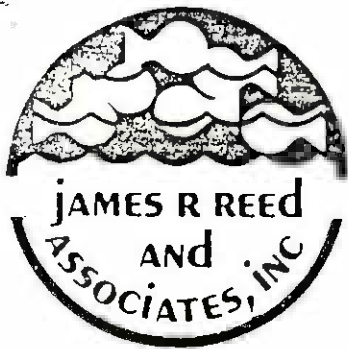
PERSONNEL	
REPORTED TO THIS COMMAND:	
DETACHED FROM THIS COMMAND	
OTHER	

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.

COPY TO:
ORIGINAL IN 11332-4

SIGNATURE & TITLE
(Cherry)

CLASSIFICATION UNCLASSIFIED when detached from enclosures, unless otherwise indicated



CLW

000005239

James R. Reed & Associates, Inc.

Environmental Testing & Consulting

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

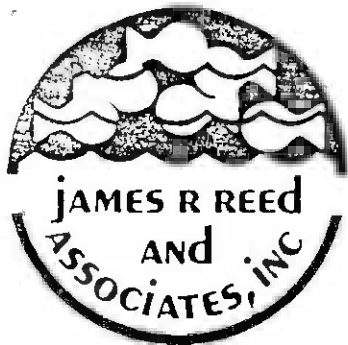
Laboratory Services Report

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

January 4, 1985

<u>Sample Identification</u>	<u>Analyses</u>	<u>Results</u> ($\mu\text{g}/\text{l}$)
Sample received 12/14/84		
12/13/84	Purgeable Organics	
HP 602	Bromodichloromethane	<1.0
1355 Betz	Carbon Tetrachloride	<1.0
MCB Camp Lejune	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,



James R. Reed & Associates, Inc.

Environmental Testing & Consulting

813 Forrest Drive • Newport News, Virginia 23606 • (804) 599-6750

Laboratory Services Report

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

January 4, 1985

<u>Sample Identification</u>	<u>Analyses</u>	<u>Results</u> ($\mu\text{g/l}$)
Sample received 12/14/84		
12/13/84 HP 602 1355 Betz MCB Camp Lejeune	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

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000005240

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

CLW
000005241

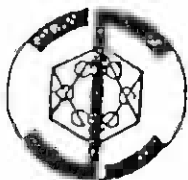
JTC Environmental Consultants, Inc.

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
TT 26	12-0533	VOA
TT Treated	12-0534	see attached sheets
TT NewWell	12-0535	" "

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JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW

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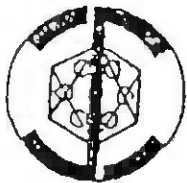
VOLATILE FRACTION

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-dichloro- pylene	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-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 ^{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-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.

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

* Below method detection limit



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

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VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 521 PROJECT NO. NF-12

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

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

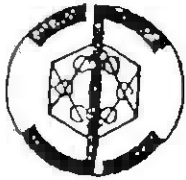
ANALYSIS DATE 2/13/85

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-dichloro- pylene	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-trichloro- ethane	N.D.	47V bromoform	2.4* N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	2.3* 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	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-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.

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

* Below method detection limit

Heavy 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. 520
VDASPL 525 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-dichloro- pylene	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-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	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-dichloro- ethylene	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

CLW
0000005246

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	VOA	ANALYSIS PARAMETER							
TT 26	12-0596	See attached Sheet								
TT Finished	12-0597	"								
TT New Well	12-0598	"								
CLW 0000005247										

avy sample TT26

ceived 2-22-85



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

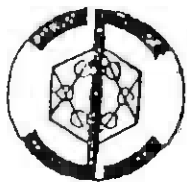
LAB SAMPLE LOG NO. VOASPL561 PROJECT NO. NF-12
 SAMPLE DESIGNATION & DATE 12-0596 TT26
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit
 ANALYSIS DATE 2/22/85

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-dichloropro- fylene	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-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	<u>64</u> N.D.
23V chloroform	N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	<u>4.1</u> N.D.
30V 1,2-trans-dichloro- ethylene	<u>9.5</u> N.D.	88V vinyl chloride	N.D.

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

lavy sample TT Finish received 2-22-85



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

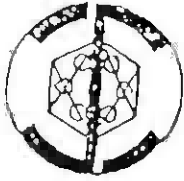
VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 562 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-dichloro- pylene	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-trichloro- ethane	N.D.	47V bromoform	3.7 N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	3.3 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	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-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.

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



JTC ENVIRONMENTAL CONSULTANTS, INC.
 PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VO45PL563 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-dichloro- pylene	N.D.
4V benzene	<u>6.3</u> 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-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	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloro- ethylene	<u>13</u> N.D.	88V vinyl chloride	N.D.

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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

CLW

000005251

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			
608	12-0497	"			
610	12-0498	"			
645-5	12-0499	"	SAMPLED 2/4/85		
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	"			
#B 670 Filter 1	12-0506	"			
#B 670 Filter 2	12-0507	"			
HP 20	12-0508	"			
MCAS AS 110	12-0509	"			
MP M-178	12-0510	"			
TT STT 39A	12-0511	"			

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JTC ENVIRONMENTAL CONSULTANTS, INC.
 PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW

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VOLATILE FRACTION

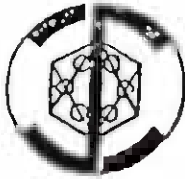
LAB SAMPLE LOG NO. VOASPL 523 PROJECT NO. NF-12
 SAMPLE DESIGNATION & DATE 12-0496 #602
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit
 ANALYSIS DATE 2-13-85

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-dichloropro- pylene	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-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	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-dichloro- ethylene	74 N.D.	88V vinyl chloride	N.D.

* Below method detection limit

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED



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0000005255

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

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-dichloro- pylene	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-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	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	9.0* N.D.
30V 1,2-trans-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.

* Below method detection limit

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

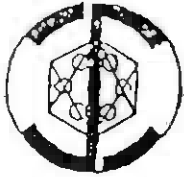
LAB SAMPLE LOG NO. VOASPL 527 PROJECT NO. NF-12
 SAMPLE DESIGNATION & DATE 12-0498 # 610
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit
 ANALYSIS DATE 2/13/85

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-dichloropro- pylene	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-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	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.

CLW

000005256

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



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 542 PROJECT NO. NF-12SAMPLE DESIGNATION & DATE 12-0499 645-5METHOD NO. 624 DETECTION LIMIT 10 ug/litANALYSIS DATE 2/19/85

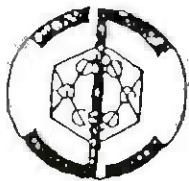
PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloro- pylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-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	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.

CLW

000005257

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

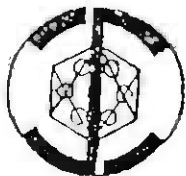
LAB SAMPLE LOG NO. VOASPL 544 PROJECT NO. NF-12
 SAMPLE DESIGNATION & DATE 12-0500 649-3
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit.
 ANALYSIS DATE 2/20/85

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-dichloro- pylene	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-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	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.

000005258

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

Ty sample #651 rec'd 2-7-85



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW

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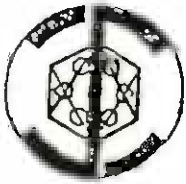
VOLATILE FRACTION

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-dichloro- pylene	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-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 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-dichloro- ethylene ⁷⁵⁸⁰	N.D.	88V vinyl chloride ^{168*}	N.D.

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

* Below Method Detection Limit



raw sample #651 received 2-7-85

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW

0000005260

VOLATILE FRACTION

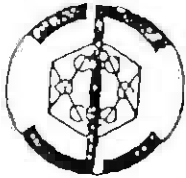
LAB SAMPLE LOG NO. VOA SPL 497 PROJECT NO. NF-12
SAMPLE DESIGNATION & DATE 12-0502 *651 1410 250 ml -> 5000 1:20
METHOD NO. 624 DETECTION LIMIT 200 ug/lit *Dilution*
ANALYSIS DATE 2/8/85

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-dichloropro- pylene	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-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. 397
23V chloroform	N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D. 17600
30V 1,2-trans-dichloro- ethylene	N.D. 8070	88V vinyl chloride	N.D. 179*

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

* Below Method Detection Limit

Navy e ple # 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

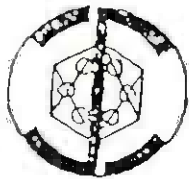
PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloropro- pylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-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	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.

000005261

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

Navy sample #2391

RECEIVED 4/1/85



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

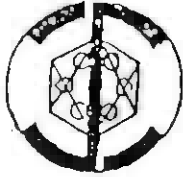
LAB SAMPLE LOG NO. VOASPL 549 PROJECT NO. NF-12
SAMPLE DESIGNATION & DATE 12-0504 AS 191
METHOD NO. 624 DETECTION LIMIT 10 ug/lit.
ANALYSIS DATE 2/20/85

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-dichloro- pylene	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-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	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.

000005262

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE



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 AS 203

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-dichloropro- pylene	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-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	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.

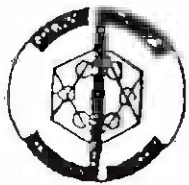
CLW

000005263

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED

sample HB670 Fe #1 received 2-7-85



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET **000005264**

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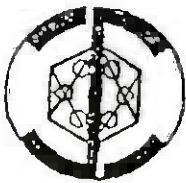
VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL500 PROJECT NO. NF12
SAMPLE DESIGNATION & DATE 12-0506 HBK:Kv1 (HB670)
METHOD NO. 624 DETECTION LIMIT 10 ug/lit
ANALYSIS DATE 2/8/85

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-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*
14V 1,1,2-trichloroethane	N.D.		N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	49V trichlorofluoromethane	N.D.
16V chloroethane	N.D.	50V dichlorodifluoromethane	N.D.
19V 2-chloroethylvinyl ether	N.D.	51V chlorodibromomethane	3.4* N.D.
23V chloroform	21 N.D.	85V tetrachloroethylene	N.D.
29V 1,1-dichloroethylene	N.D.	86V toluene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	87V trichloroethylene	28* N.D.
		88V vinyl chloride	N.D.

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

* Below method detection limit



JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW

0000005265

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOBSP- 499 PROJECT NO. NF12
 SAMPLE DESIGNATION & DATE 12-0507 HB Filter #2
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit
 ANALYSIS DATE 1/8/85

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-dichloropro- pylene	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-trichloro- ethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	6.0* 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 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-dichloro- ethylene	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

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW

0000005266

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 501 PROJECT NO. NF-12
SAMPLE DESIGNATION & DATE 12-0508 HP20
METHOD NO. 624 DETECTION LIMIT 10 ug/lit
ANALYSIS DATE 2/8/85

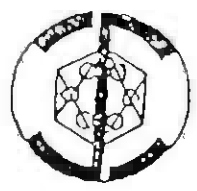
PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloro- pylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloro- ethane	N.D.	47V bromoform	N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	8.0 * 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	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-dichloro- ethylene	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 AS11 REF. NO. 2/11/85

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 AS110
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit
 ANALYSIS DATE 2/20/85

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-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	280 N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	8.5* 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	70 N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	2.4* 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.

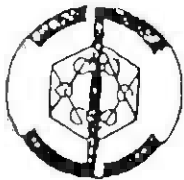
* Below method detection limit

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

Navy

JTC ENVIRONMENTAL CONSULTANTS, INC. 0000005268
 PRIORITY POLLUTANT ANALYSIS DATA SHEET

CLW



VOLATILE FRACTION

LAB SAMPLE LOG NO. VCA SPL 548 PROJECT NO. NC-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-dichloro- pylene	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-trichloro- ethane	N.D.	47V bromoform	3.9* N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	6.3* 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	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-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.

* Below method detection limit

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE



lav sample # 511 34 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 ST 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-dichloro- pylene	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-trichloro- ethane	N.D.	47V bromoform	7.2 * N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	2.0 * 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	11 N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	25 N.D.
23V chloroform	2.0 * N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	8.0 * N.D.
30V 1,2-trans-dichloro- ethylene	12 N.D.	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

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000005270

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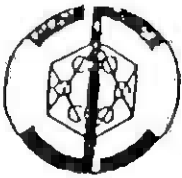
JTC Environmental Consultants, Inc.

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

		ANALYSIS PARAMETER									
NAVY SAMPLE ID	JTC SAMPLE ID	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	"									

0000005271
CLW



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	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloro- pylene	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-trichloro- ethane	N.D.	47V bromoform	3.9* N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	1.9* 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	5.8* N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	1.5* N.D.	86V toluene	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.

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

* below method detection limit



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	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	6.7* 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	¹⁶ N.D.
23V chloroform	N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	^{13*} N.D.
30V 1,2-trans-dichloroethylene	1.2* N.D.	88V vinyl chloride	N.D.

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

* below method detection limit



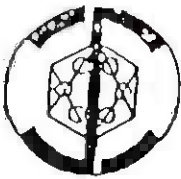
VOLATILE FRACTION

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	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloro- pylene	N.D.
4V benzene	4.3* 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-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	48 N.D.
23V chloroform	N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	2.4* N.D.
30V 1,2-trans-dichloro- ethylene	2.8* N.D.	88V vinyl chloride	N.D.

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

* below method detection limit



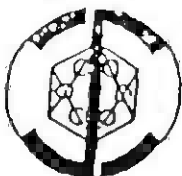
VOLATILE FRACTION

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	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	2.2* 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-trichloro- ethane	N.D.	47V bromoform	3.7* N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	2.1* 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	6.4* N.D.
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	20 N.D.
23V chloroform	1.8* N.D.	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	1.1* N.D.
30V 1,2-trans-dichloro- ethylene	1.2* N.D.	88V vinyl chloride	N.D.

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

* below method detection limit



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-dichloropro- pylene	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-trichloro- ethane	N.D.	47V bromoform	3.0* N.D.
13V 1,1-dichloroethane	N.D.	48V dichlorobromo- methane	1.1* 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	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-dichloro- ethylene	N.D.	88V vinyl chloride	N.D.

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

* below method detection limit