

DD9

**ROUTINE REPLY, ENDORSEMENT, TRANSMITTAL OR INFORMATION SHEET**

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

A WINDOW ENVELOPE MAY BE USED  
Formerly NAVEXOS 3789

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

FROM (Show telephone number in addition to address)

LANTOIV COOP 1142, AIV 564-9561

DATE

19 FEB 85

SUBJECT

VOA

SERIAL OR FILE NO.

6280 11420PG

TO:

MCB CAMP LEJEUNE,  
BASE MAINTENANCE,  
ENVIRONMENTAL AFFAIRS DIVISION

REFERENCE (A) PATRICKSONS MCB (MC,  
BATZ, MR. SHARPE) / LANTON IMA,  
GOODWIND 8114 FEB 85

ENCLOSURE

(1) JTC REPORTS 20 AND  
29 (REC'D 19 FEB 85)

VIA:

ENDORSEMENT ON

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

GENERAL ADMINISTRATION		CONTRACT ADMINISTRATION		PERSONNEL	
<input checked="" type="checkbox"/> FOR APPROPRIATE ACTION UNDER YOUR COGNIZANCE	INFORMATION	NAME & LOCATION OF SUPPLIER OF SUBJECT ITEMS	SUBCONTRACT NO. OF SUBJECT ITEM	REPORTED TO THIS COMMAND:	
APPROVAL RECOMMENDED <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	APPROPRIATION SYMBOL, SUBHEAD, AND CHARGEABLE ACTIVITY	SHIPPING AT GOVERNMENT EXPENSE <input type="checkbox"/> YES <input type="checkbox"/> NO	DETACHED FROM THIS COMMAND	
COMMENT AND/OR CONCURRENCE	CONCUR	A CERTIFICATE, VICE BILL OF LADING	COPIES OF CHANGE ORDERS, AMENDMENT OR MODIFICATION	OTHER	
LOANED, RETURN BY:	SIGN RECEIPT & RETURN	CHANGE NOTICE TO SUPPLIER	STATUS OF MATERIAL ON PURCHASE DOCUMENT		
REPLY TO THE ABOVE BY:	REFERENCE NOT RECEIVED	REMARKS (Continue on reverse)			
SUBJECT DOCUMENT FORWARDED TO:	SUBJECT DOCUMENT RETURNED FOR:	1. ENCL (1) PROVIDES HARD COPY OF DATA FWD VIA RRF A.			
SUBJECT DOCUMENT HAS BEEN REQUESTED, AND WILL BE FORWARDED WHEN RECEIVED	COPY OF THIS CORRESPONDENCE WITH YOUR REPLY	CLW			
ENCLOSURE NOT RECEIVED	ENCLOSURE FORWARDED AS REQUESTED	000005539			
ENCLOSURE RETURNED FOR CORRECTION AS INDICATED	CORRECTED ENCLOSURE AS REQUESTED				
REMOVE FROM DISTRIBUTION LIST	REDUCE DISTRIBUTION AMOUNT TO:	SIGNATURE & TITLE			
		<i>[Signature]</i> 1142			

COPY TO:

114, 1141, 1145

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


REPORT # 20  
LABORATORY ANALYSIS ON  
NAVAL SAMPLES  
(A/E Contract N62470-84-B-6932  
JTC REPORT # 85-051

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

**CLW**  
000005540

  
Ann E. Rosecrance  
Laboratory Director

JTC Environmental Consultants, Inc.

Date 2-14-85 Report No. 20 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-051 Table 1 Date of Sample Receipt 2-1-85

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER						VOA
100	12-0440						see attached sheet	
190	12-0441						"	
201	12-0443						"	
325	12-0445						"	
502	12-0446						"	
504	12-0447						"	
604	12-0448						"	
700	12-0449						"	
TC 1000	12-0450						"	
1001	12-0451						"	
1251	12-0452						"	
1253	12-0453						"	
1254	12-0454						"	
1255	12-0455						"	
1256	12-0456						"	
4150	12-0457						"	
5001	12-0458						"	
5009	12-0459						"	
AS 131	12-0460						"	
AS 4140	12-0461						"	
RR 45	12-0462						"	
RR 47	12-0463						"	
RR 97	12-0464						"	

000005541  
CLW

#191 (12-0442) and #203 (12-0444) broken upon receipt

NAVY SAMPLE #100

DATE RECEIVED 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

## VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL479 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0440 100 1033  
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit  
 ANALYSIS DATE 2/6/85

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

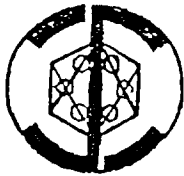
000005542

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED

NAVY SAMPLE #190

DATE RECEIVED 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

## VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL480 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0441 190 0943  
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit  
 ANALYSIS DATE 2/6/85

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

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N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED

NAUY AMPLE #201

DATE RECEIVED 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

## VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 481 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0443 201 1010  
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit  
 ANALYSIS DATE 2/6/85

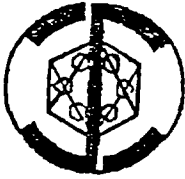
PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloropro- pylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane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

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

Navy Sample #325 Received 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 483 PROJECT NO. NF-12  
SAMPLE DESIGNATION & DATE 12-0445 325 1027  
METHOD NO. 624 DETECTION LIMIT 10 ug/lit  
ANALYSIS DATE 2/7/85

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.

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

CLW

000005545

Navy Sample #502 Received 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. WOMSP 484 PROJECT NO. NF-12  
SAMPLE DESIGNATION & DATE 12-0446 502 1037  
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	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.

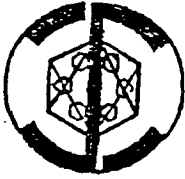
CLW

000005546

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



Navy Sample #504 Received 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOA SPL 485 PROJECT NO. NF-12  
SAMPLE DESIGNATION & DATE 12-0447 504 1024  
METHOD NO. 624 DETECTION LIMIT 10 ug/lit  
ANALYSIS DATE 2/7/85

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

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

000005547

Navy Sample # 604

Received 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

## VOLATILE FRACTION

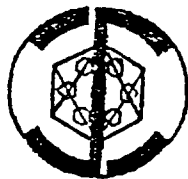
LAB SAMPLE LOG NO. V025PL 486 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0448 604 1020  
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit  
 ANALYSIS DATE 2/7/85

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

000005548

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



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VOLATILE FRACTION

LAB SAMPLE LOG NO. VOA3PL 487 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0449 700 1044  
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit  
 ANALYSIS DATE 2/7/85

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	2.0* N.D.	88V vinyl chloride	N.D.

\* Below method detection limit

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

Navy Sample #TC1000 Received 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 488 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0450 TC 1000 1007

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

ANALYSIS DATE 2/7/85

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.

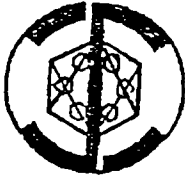
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000005550

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED

Navy Sample #1001 Received 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 489 PROJECT NO. NF-12  
SAMPLE DESIGNATION & DATE 12-0451 1001 1015  
METHOD NO. 624 DETECTION LIMIT 10 ug/lit  
ANALYSIS DATE 2/7/85

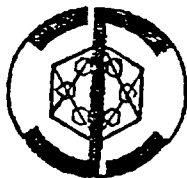
PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloropro- pylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane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

000005551

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

Navy Sample #1251 Received 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

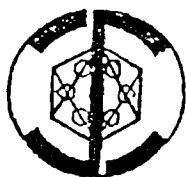
LAB SAMPLE LOG NO. VOASPL 490 PROJECT NO. NF-12  
SAMPLE DESIGNATION & DATE 12-0452 1251 0948  
METHOD NO. 024 DETECTION LIMIT 10 ug/lit  
ANALYSIS DATE 2/7/85

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

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

000005552



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

## VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL491 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0453 1253 1047  
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit  
 ANALYSIS DATE 2/7/85

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

000005553

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED

NAVY SAMPLE #1254

DATE RECEIVED 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

## VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 492 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0454 1254 0954  
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit  
 ANALYSIS DATE 2/7/85

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

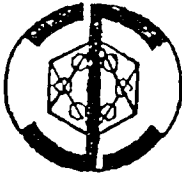
000005554

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED



NAVY SAMPLE # 1255 DATE RECEIVED 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

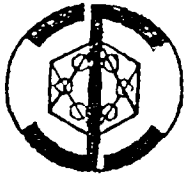
LAB SAMPLE LOG NO. VOASPL 493 PROJECT NO. NF-12  
SAMPLE DESIGNATION & DATE 12-0455 1255 0958  
METHOD NO. 624 DETECTION LIMIT 10 ug/lit  
ANALYSIS DATE 2/7/85

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	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

000005555

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 494 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0456 1256 1001  
 METHOD NO. 624 DETECTION LIMIT 10 ug/lit  
 ANALYSIS DATE 2/7/85

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

000005556

N.D. = NOT DETECTED

N.A. = NOT APPLICABLE/ANALYZED

Navy Sample 4150 Date Received 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET 000005557

CLW

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL503 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0457 #4150

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-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 2.5* 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 504 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0459 5001 0930

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-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

00005558

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 505 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0459 5009 0930  
 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-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

000005559



JTC ENVIRONMENTAL CONSULTANTS, INC.  
 PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 506 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0460 AS 131 0915  
 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	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

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

NAVY SAMPLE #AS 4140 DATE RECEIVED 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 507 PROJECT NO. NF-12

SAMPLE DESIGNATION & DATE 12-0461 AS4140 0921

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	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

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

000005561

Navy Sample # RR 45

Received 2-1-85



JTC ENVIRONMENTAL CONSULTANTS, INC.  
PRIORITY POLLUTANT ANALYSIS DATA SHEET

## VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL524 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0462 RR45 11:13  
 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	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

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

000005562





JTC ENVIRONMENTAL CONSULTANTS, INC.  
 PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

LAB SAMPLE LOG NO. VOASPL 517 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0463 RR47 1117  
 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	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

000005563

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 518 PROJECT NO. NF-12  
 SAMPLE DESIGNATION & DATE 12-0464 RR97 1108  
 METHOD NO. 1024 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-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

000005564

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