

ROUTING SLIP      INITIAL

ECOLOGIST  \_\_\_\_\_

CHEMIST  \_\_\_\_\_

TECHNICIAN  \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ACTION REQUIRED:

Please make a short  
memo on this - looks  
like RR water system is  
clean -

**CLW**

**0000005937**



JLW  
7-19-83  
to Danny

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

TELEPHONE NO.

(804) 444-9566

IN REPLY REFER TO:

114:JGW:gmc  
6280

1 4 JUL 1983

From: Commander, Atlantic Division, Naval Facilities Engineering Command  
To: Commanding General, Marine Corps Base, Camp Lejeune

Subj: Ground Water Monitoring Results, Rifle Range Area

Ref: (a) EPA National Interim Primary Drinking Water Regulations 40 CFR 141

Encl: (1) Centec Analytical Services Analytical Results Report for Samples  
27372-27378

1. Enclosure (1) is forwarded as results of analyses of samples collected in April 1983 by MCB CAMP LEJEUNE personnel from the Rifle Range Chemical Dump, the Rifle Range Water Supply Wells, and the Rifle Range Water Treatment Plant finished water.

2. Enclosure (1) indicates a total organic contamination of 64 parts per billion (ppb) of chemical constituents from the total trihalomethane (THM) family. This is considerably less than the 100 ppb maximum contaminant level set by reference (a).

3. Enclosure (1) indicates no contamination of the water supply wells.

4. Enclosure (1) indicates organic contamination at the chemical dump, primarily at Well #17. This contamination will be further addressed in the NACIP Program Confirmation Study which is anticipated to commence in FY-84.

5. LANTNAVFACENGCOM point of contact is Mr. Jerry Wallmeyer at (804) 444-9566 or AUTOVON 564-9566

J. R. BAILEY  
By direction

Copy to:

CMC (Code LFF-2)

MCB CAMP LEJEUNE (Natural Resources and Environmental Affairs)

NAVENENVSA

COMNAVFACENGCOM

CLW

0000005938



CENTEC ANALYTICAL SERVICES, INC.  
A SUBSIDIARY OF THE CENTEC CORPORATION

P. O. BOX 956  
2160 INDUSTRIAL DRIVE  
SALEM, VIRGINIA 24153  
(703) 387-3995

— ANALYTICAL RESULTS REPORT —

Mr. David Goodwin  
Atlantic Division Code 1143  
Naval Facilities Engineering Command  
Norfolk, VA 23511

Re: Water Analysis  
CAS Commission No. 6094

REPORT DATE/NUMBER: 08 JULY 1983/99

SAMPLE COLLECTED: 19 April 1983: 1300

BY: Lachope/Hunekutt

SAMPLE RECEIVED AT LAB: 21 April 1983: 1500

ANALYSIS FOR: Mercury (Hg), Silver (Ag), Arsenic (As),  
Beryllium (Be), Cadmium (Cd), Chromium (Cr),  
Copper (Cu), Nickel (Ni), Lead (Pb), Selenium  
(Se), Zinc (Zn), Antimony (Sb), and Thallium  
(Tl)

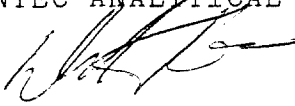
METHOD OF ANALYSIS: Re: Federal Register, Vol. 41, No. 232,  
1 December 1976

The results are shown on the following page.

If you have any questions or comments concerning this report,  
please do not hesitate to contact us.

Prepared by:

CENTEC ANALYTICAL SERVICES

  
David F. Tompkins  
Chemist

DFT/mls

CLW

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Marine Corps Base, Camp LeJeune, N.C.  
 Naval Facilities Engineering Command  
 08 July 1983  
 Page 2

CAS No.	Description	Ag (mg/l)	As (mg/l)	Be (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Hg (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Zn (mg/l)	Sb (mg/l)	Tl (mg/l)
29372	Field # 15 Landfill L						0.0006							
29373	Field # 16 Landfill						0.0006							
29374	Field # 17 Landfill						<0.0005							
29375	RR-45						0.0006							
29376	RR-47						<0.0005							
29377	RR-92						0.0006							
29378	Rifle Range finished water	<0.01	<0.001	<0.01	<0.01	<0.05	0.02	0.0007	<0.05	<0.001	<0.005	0.08	<0.001	<0.001

*Handwritten signature or initials*

0000005940  
 CLW

Mead CompuChem

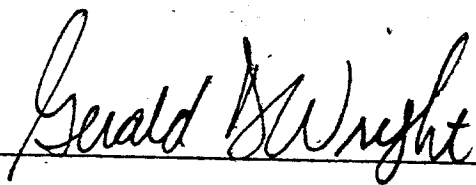
1A. REPORT OF DATA

•SAMPLE IDENTIFIER NUMBER: 29372

COMPUCHEM SAMPLE NUMBER: 3493

SUBMITTED TO:

Mr. David Thompson  
Centec  
2160 Industrial Drive  
Salem, VA 24153



GERALD D. WRIGHT, CPIM  
MANAGER, PRODUCTION PLANNING AND CONTROL

R. L. MYERS, PH.D.  
PRESIDENT

PAUL E. MILLS  
DIRECTOR OF QUALITY ASSURANCE

JAMES J. ZOLDAK  
DIRECTOR OF LABORATORY OPERATIONS

CLW

0000005941

EXHIBIT I - LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 29372  
COMPUCHEM SAMPLE NUMBER: 3493

	<u>Date</u>
Received/Refrigerated	04/25/83
Organics	
Extracted	04/28/83
Analyzed	
1. Volatiles	04/28/83
2. Acids	04/29/83
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	05/02/83
Inorganics	
1. Metals	Not Requested
2. Cyanides	Not Requested
3. Phenols	Not Requested

CLW  
0000005942

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29372  
 COMPUCHEM SAMPLE NUMBER: 3493

<u>VOLATILE ORGANICS</u>		<u>CONCENTRATION</u> <u>(UG/L)</u>	<u>DETECTION</u> <u>LIMIT</u> <u>(UG/L)</u>	<u>SCAN</u> <u>NUMBER</u>
1V.	ACROLEIN	BDL	100	
2V.	ACRYLONITRILE	BDL	100	
3V.	BENZENE	BDL	10	
4V.	BIS (CHLOROMETHYL) ETHER	BDL	10	
5V.	BROMOFORM	BDL	10	
6V.	CARBON TETRACHLORIDE	BDL	10	
7V.	CHLOROBENZENE	BDL	10	
8V.	CHLORODIBROMOMETHANE	BDL	10	
9V.	CHLOROETHANE	BDL	10	
10V.	2-CHLOROETHYL VINYL ETHER	BDL	10	
11V.	CHLOROFORM	BDL	10	
12V.	DICHLOROBROMOMETHANE	BDL	10	
13V.	DICHLORODIFLUOROMETHANE	BDL	10	
14V.	1,1-DICHLOROETHANE	BDL	10	
15V.	1,2-DICHLOROETHANE	BDL	10	
16V.	1,1-DICHLOROETHYLENE	BDL	10	
17V.	1,2-DICHLOROPROPANE	BDL	10	
18V.	1,3-DICHLOROPROPYLENE	BDL	10	
19V.	ETHYLBENZENE	BDL	10	
20V.	METHYL BROMIDE	BDL	10	
21V.	METHYL CHLORIDE	BDL	10	
22V.	METHYLENE CHLORIDE	BDL	10	
23V.	1,1,2,2-TETRACHLOROETHANE	BDL	10	
24V.	TETRACHLOROETHYLENE	BDL	10	
25V.	TOLUENE	BDL	10	
26V.	1,2-TRANS-DICHLOROETHYLENE	14	10	295
27V.	1,1,1-TRICHLOROETHANE	BDL	10	
28V.	1,1,2-TRICHLOROETHANE	BDL	10	
29V.	TRICHLOROETHYLENE	BDL	10	
30V.	TRICHLOROFLUOROMETHANE	BDL	10	
31V.	VINYL CHLORIDE	BDL	10	

BDL = BELOW DETECTION LIMIT

CLW

0000005943

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29372  
 COMPUCHEM SAMPLE NUMBER: 3493

<u>ACID EXTRACTABLE ORGANICS</u>		<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>	<u>SCAN NUMBER</u>
1A.	2-CHLOROPHENOL	BDL	25	
2A.	2,4-DICHLOROPHENOL	BDL	25	
3A.	2,4-DIMETHYLPHENOL	BDL	25	
4A.	4,6-DINITRO-O-CRESOL	BDL	250	
5A.	2,4-DINITROPHENOL	BDL	250	
6A.	2-NITROPHENOL	BDL	25	
7A.	4-NITROPHENOL	BDL	25	
8A.	P-CHLORO-M-CRESOL	BDL	25	
9A.	PENTACHLOROPHENOL	BDL	25	
10A.	PHENOL	BDL	25	
11A.	2,4,6-TRICHLOROPHENOL	BDL	25	

BDL = BELOW DETECTION LIMIT

CLW  
 0000005944



CompuChem employs Methods 624 and 625 for priority pollutant analysis. These methods were proposed by the U.S. E.P.A. in Volume 44 of the Federal Register on December 3, 1979. As these methods are currently in a "proposed" status, all aspects of the methods may not be validated until the U.S. E.P.A. promulgates the methods in "final" form.

CLW

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EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29372  
 COMPUCHEM SAMPLE NUMBER: 3493

<u>PESTICIDES/PCB'S</u>	<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>
1P. ALDRIN	BDL	0.1
2P. ALPHA-BHC	BDL	0.1
3P. BETA-BHC	BDL	0.1
4P. GAMMA-BHC	BDL	0.1
5P. DELTA-BHC	BDL	0.1
6P. CHLORDANE	BDL	0.1
7P. 4,4'-DDT	BDL	0.1
8P. 4,4'-DDE	BDL	0.1
9P. 4,4'-DDD	BDL	0.1
10P. DIELDRIN	BDL	0.1
11P. ALPHA-ENDOSULFAN	BDL	0.1
12P. BETA-ENDOSULFAN	BDL	0.1
13P. ENDOSULFAN SULFATE	BDL	0.1
14P. ENDRIN	BDL	0.1
15P. ENDRIN ALDEHYDE	BDL	0.1
16P. HEPTACHLOR	BDL	0.1
17P. HEPTACHLOR EPOXIDE	BDL	0.1
18P. PCB-1242	BDL	0.1
19P. PCB-1254	BDL	0.1
20P. PCB-1221	BDL	0.1
21P. PCB-1232	BDL	0.1
22P. PCB-1248	BDL	0.1
23P. PCB-1260	BDL	0.1
24P. PCB-1016	BDL	0.1
25P. TOXAPHENE	BDL	0.1

CLW

0000005946

BDL = BELOW DETECTION LIMIT

Mead CompuChem

1B. REPORT OF DATA

SAMPLE IDENTIFIER NUMBER: 29373

COMPUCHEM SAMPLE NUMBER: 3494

SUBMITTED TO:

Mr. David Thompson  
Centec  
2160 Industrial Drive  
Salem, VA 24153



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R. L. MYERS, PH.D.  
PRESIDENT

PAUL E. MILLS  
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JAMES J. ZOLDAK  
DIRECTOR OF LABORATORY OPERATIONS

CLW

0000005947

EXHIBIT I - LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 29373  
COMPUCHEM SAMPLE NUMBER: 3494

	<u>Date</u>
Received/Refrigerated	04/25/83
Organics	
Extracted	04/28/83
Analyzed	
1. Volatiles	04/28/83
2. Acids	04/28/83
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	05/02/83
Inorganics	
1. Metals	Not Requested
2. Cyanides	Not Requested
3. Phenols	Not Requested

CLW

0000005948

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29373  
 COMPUCHEM SAMPLE NUMBER: 3494

<u>VOLATILE ORGANICS</u>		<u>CONCENTRATION</u> (UG/L)	<u>DETECTION</u> <u>LIMIT</u> (UG/L)	<u>SCAN</u> <u>NUMBER</u>
1V.	ACROLEIN	BDL	100	
2V.	ACRYLONITRILE	BDL	100	
3V.	BENZENE	BDL	10	
4V.	BIS (CHLOROMETHYL) ETHER	BDL	10	
5V.	BROMOFORM	BDL	10	
6V.	CARBON TETRACHLORIDE	BDL	10	
7V.	CHLOROBENZENE	BDL	10	
8V.	CHLORODIBROMOMETHANE	BDL	10	
9V.	CHLOROETHANE	BDL	10	
10V.	2-CHLOROETHYL VINYL ETHER	BDL	10	
11V.	CHLOROFORM	BDL	10	
12V.	DICHLOROBROMOMETHANE	BDL	10	
13V.	DICHLORODIFLUOROMETHANE	BDL	10	
14V.	1,1-DICHLOROETHANE	BDL	10	
15V.	1,2-DICHLOROETHANE	BDL	10	
16V.	1,1-DICHLOROETHYLENE	BDL	10	
17V.	1,2-DICHLOROPROPANE	BDL	10	
18V.	1,3-DICHLOROPROPYLENE	BDL	10	
19V.	ETHYLBENZENE	BDL	10	
20V.	METHYL BROMIDE	BDL	10	
21V.	METHYL CHLORIDE	BDL	10	
22V.	METHYLENE CHLORIDE	BDL	10	
23V.	1,1,2,2-TETRACHLOROETHANE	13	10	641
24V.	TETRACHLOROETHYLENE	BDL	10	
25V.	TOLUENE	43	10	677
26V.	1,2-TRANS-DICHLOROETHYLENE	450	10	301
27V.	1,1,1-TRICHLOROETHANE	BDL	10	
28V.	1,1,2-TRICHLOROETHANE	BDL	10	
29V.	TRICHLOROETHYLENE	31	10	470
30V.	TRICHLOROFLUOROMETHANE	BDL	10	
31V.	VINYL CHLORIDE	BDL	10	

CLW

BDL = BELOW DETECTION LIMIT

0000005949

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29373  
 COMPUCHEM SAMPLE NUMBER: 3494

<u>PESTICIDES/PCB'S</u>	<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>
1P. ALDRIN	BDL	0.1
2P. ALPHA-BHC	BDL	0.1
3P. BETA-BHC	BDL	0.1
4P. GAMMA-BHC	BDL	0.1
5P. DELTA-BHC	BDL	0.1
6P. CHLORDANE	BDL	0.1
7P. 4,4'-DDT	BDL	0.1
8P. 4,4'-DDE	BDL	0.1
9P. 4,4'-DDD	BDL	0.1
10P. DIELDRIN	BDL	0.1
11P. ALPHA-ENDOSULFAN	BDL	0.1
12P. BETA-ENDOSULFAN	BDL	0.1
13P. ENDOSULFAN SULFATE	BDL	0.1
14P. ENDRIN	BDL	0.1
15P. ENDRIN ALDEHYDE	BDL	0.1
16P. HEPTACHLOR	BDL	0.1
17P. HEPTACHLOR EPOXIDE	BDL	0.1
18P. PCB-1242	BDL	0.1
19P. PCB-1254	BDL	0.1
20P. PCB-1221	BDL	0.1
21P. PCB-1232	BDL	0.1
22P. PCB-1248	BDL	0.1
23P. PCB-1260	BDL	0.1
24P. PCB-1016	BDL	0.1
25P. TOXAPHENE	BDL	0.1

BDL = BELOW DETECTION LIMIT

CLW  
 0000005950

CompuChem employs Methods 624 and 625 for priority pollutant analysis. These methods were proposed by the U.S. E.P.A. in Volume 44 of the Federal Register on December 3, 1979. As these methods are currently in a "proposed" status, all aspects of the methods may not be validated until the U.S. E.P.A. promulgates the methods in "final" form.

**CLW**

**0000005951**

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29373  
 COMPUCHEM SAMPLE NUMBER: 3494

<u>ACID EXTRACTABLE ORGANICS</u>		<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>	<u>SCAN NUMBER</u>
1A.	2-CHLOROPHENOL	BDL	25	
2A.	2,4-DICHLOROPHENOL	BDL	25	
3A.	2,4-DIMETHYLPHENOL	BDL	25	
4A.	4,6-DINITRO-O-CRESOL	BDL	250	
5A.	2,4-DINITROPHENOL	BDL	250	
6A.	2-NITROPHENOL	BDL	25	
7A.	4-NITROPHENOL	BDL	25	
8A.	P-CHLORO-M-CRESOL	BDL	25	
9A.	PENTACHLOROPHENOL	BDL	25	
10A.	PHENOL	BDL	25	
11A.	2,4,6-TRICHLOROPHENOL	BDL	25	

BDL = BELOW DETECTION LIMIT

CLW  
 0000005952



Mead CompuChem

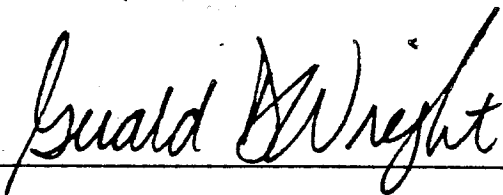
1C. REPORT OF DATA

SAMPLE IDENTIFIER NUMBER: 29374

COMPUCHEM SAMPLE NUMBER: 3495

SUBMITTED TO:

Mr. David Thompson  
Centec  
2160 Industrial Drive  
Salem, VA 24153



GERALD D. WRIGHT, CPIM  
MANAGER, PRODUCTION PLANNING AND CONTROL

R. L. MYERS, PH.D.  
PRESIDENT

PAUL E. MILLS  
DIRECTOR OF QUALITY ASSURANCE

JAMES J. ZOLDAK  
DIRECTOR OF LABORATORY OPERATIONS

CLW

0000005953

EXHIBIT I - LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 29374  
COMPUCHEM SAMPLE NUMBER: 3495

	<u>Date</u>
Received/Refrigerated	04/25/83
Organics	
Extracted	04/28/83
Analyzed	
1. Volatiles	04/28/83, 05/02/83 <sup>1</sup>
2. Acids	04/29/83
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	05/02/83
Inorganics	
1. Metals	Not Requested
2. Cyanides	Not Requested
3. Phenols	Not Requested

<sup>1</sup> Volatile fraction run undiluted on 04/28/83, and at a 1:10 dilution on 05/02/83 due to an excessive concentration of 1,2-TRANS-DICHLOROETHYLENE.

CLW  
000005954

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29374  
 COMPUCHEM SAMPLE NUMBER: 3495

<u>VOLATILE ORGANICS</u>		<u>CONCENTRATION</u> (UG/L)	<u>DETECTION</u> <u>LIMIT</u> (UG/L)	<u>SCAN</u> <u>NUMBER</u>
1V.	ACROLEIN	BDL	100	
2V.	ACRYLONITRILE	BDL	100	
3V.	BENZENE	13	10	479
4V.	BIS (CHLOROMETHYL) ETHER	BDL	10	
5V.	BROMOFORM	BDL	10	
6V.	CARBON TETRACHLORIDE	BDL	10	
7V.	CHLOROBENZENE	BDL	10	
8V.	CHLORODIBROMOMETHANE	BDL	10	
9V.	CHLOROETHANE	BDL	10	
10V.	2-CHLOROETHYL VINYL ETHER	BDL	10	
11V.	CHLOROFORM	BDL	10	
12V.	DICHLOROBROMOMETHANE	BDL	10	
13V.	DICHLORODIFLUOROMETHANE	BDL	10	
14V.	1,1-DICHLOROETHANE	BDL	10	
15V.	1,2-DICHLOROETHANE	21	10	335
16V.	1,1-DICHLOROETHYLENE	BDL	10	
17V.	1,2-DICHLOROPROPANE	BDL	10	
18V.	1,3-DICHLOROPROPYLENE	BDL	10	
19V.	ETHYLBENZENE	BDL	10	
20V.	METHYL BROMIDE	BDL	10	
21V.	METHYL CHLORIDE	BDL	10	
22V.	METHYLENE CHLORIDE	BDL	10	
23V.	1,1,2,2-TETRACHLOROETHANE	BDL	10	
24V.	TETRACHLOROETHYLENE	BDL	10	
25V.	TOLUENE	BDL	10	
26V.	1,2-TRANS-DICHLOROETHYLENE	4,700 <sup>1</sup>	10	299
27V.	1,1,1-TRICHLOROETHANE	BDL	10	
28V.	1,1,2-TRICHLOROETHANE	BDL	10	
29V.	TRICHLOROETHYLENE	BDL	10	
30V.	TRICHLOROFLUOROMETHANE	BDL	10	
31V.	VINYL CHLORIDE	28	10	77

<sup>1</sup> Compound calculated from a 1:10 dilution

BDL = BELOW DETECTION LIMIT

CLW

0000005955

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29374  
 COMPUCHEM SAMPLE NUMBER: 3495

<u>ACID EXTRACTABLE ORGANICS</u>		<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>	<u>SCAN NUMBER</u>
1A.	2-CHLOROPHENOL	BDL	25	
2A.	2,4-DICHLOROPHENOL	BDL	25	
3A.	2,4-DIMETHYLPHENOL	BDL	25	
4A.	4,6-DINITRO-O-CRESOL	BDL	250	
5A.	2,4-DINITROPHENOL	BDL	250	
6A.	2-NITROPHENOL	BDL	25	
7A.	4-NITROPHENOL	BDL	25	
8A.	P-CHLORO-M-CRESOL	BDL	25	
9A.	PENTACHLOROPHENOL	BDL	25	
10A.	PHENOL	BDL	25	
11A.	2,4,6-TRICHLOROPHENOL	BDL	25	

BDL = BELOW DETECTION LIMIT

**CLW**

**0000005956**

CompuChem employs Methods 624 and 625 for priority pollutant analysis. These methods were proposed by the U.S. E.P.A. in Volume 44 of the Federal Register on December 3, 1979. As these methods are currently in a "proposed" status, all aspects of the methods may not be validated until the U.S. E.P.A. promulgates the methods in "final" form.

**CLW**

**0000005957**

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29374  
 COMPUCHEM SAMPLE NUMBER: 3495

<u>PESTICIDES/PCB'S</u>	<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>
1P. ALDRIN	BDL	0.1
2P. ALPHA-BHC	BDL	0.1
3P. BETA-BHC	BDL	0.1
4P. GAMMA-BHC	BDL	0.1
5P. DELTA-BHC	BDL	0.1
6P. CHLORDANE	BDL	0.1
7P. 4,4'-DDT	BDL	0.1
8P. 4,4'-DDE	BDL	0.1
9P. 4,4'-DDD	BDL	0.1
10P. DIELDRIN	BDL	0.1
11P. ALPHA-ENDOSULFAN	BDL	0.1
12P. BETA-ENDOSULFAN	BDL	0.1
13P. ENDOSULFAN SULFATE	BDL	0.1
14P. ENDRIN	BDL	0.1
15P. ENDRIN ALDEHYDE	BDL	0.1
16P. HEPTACHLOR	BDL	0.1
17P. HEPTACHLOR EPOXIDE	BDL	0.1
18P. PCB-1242	BDL	0.1
19P. PCB-1254	BDL	0.1
20P. PCB-1221	BDL	0.1
21P. PCB-1232	BDL	0.1
22P. PCB-1248	BDL	0.1
23P. PCB-1260	BDL	0.1
24P. PCB-1016	BDL	0.1
25P. TOXAPHENE	BDL	0.1

**CLW**

**0000005958**

BDL = BELOW DETECTION LIMIT

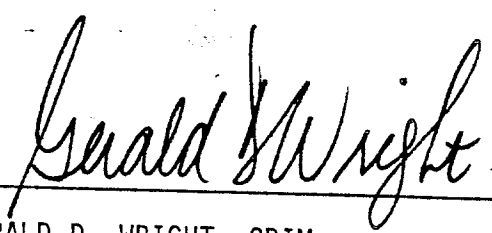
Mead CompuChem

1D. REPORT OF DATA

- SAMPLE IDENTIFIER NUMBER: 29375
- COMPUCHEM SAMPLE NUMBER: 3496

SUBMITTED TO:

Mr. David Thompson  
Centec  
2160 Industrial Drive  
Salem, VA 24153



GERALD D. WRIGHT, CPIM  
MANAGER, PRODUCTION PLANNING AND CONTROL

R. L. MYERS, PH.D.  
PRESIDENT

PAUL E. MILLS  
DIRECTOR OF QUALITY ASSURANCE

JAMES J. ZOLDAK  
DIRECTOR OF LABORATORY OPERATIONS

**CLW**

**0000005959**

EXHIBIT I - LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 29375  
COMPUCHEM SAMPLE NUMBER: 3496

	<u>Date</u>
Received/Refrigerated	04/25/83
Organics	
Extracted	04/28/83
Analyzed	
1. Volatiles	04/28/83
2. Acids	04/29/83
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	05/02/83
Inorganics	
1. Metals	Not Requested
2. Cyanides	Not Requested
3. Phenols	Not Requested

CLW

0000005960



EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29375  
 COMPUCHEM SAMPLE NUMBER: 3496

<u>VOLATILE ORGANICS</u>		<u>CONCENTRATION</u> (UG/L)	<u>DETECTION</u> <u>LIMIT</u> (UG/L)	<u>SCAN</u> <u>NUMBER</u>
1V.	ACROLEIN	BDL	100	
2V.	ACRYLONITRILE	BDL	100	
3V.	BENZENE	BDL	10	
4V.	BIS (CHLOROMETHYL) ETHER	BDL	10	
5V.	BROMOFORM	BDL	10	
6V.	CARBON TETRACHLORIDE	BDL	10	
7V.	CHLOROBENZENE	BDL	10	
8V.	CHLORODIBROMOMETHANE	BDL	10	
9V.	CHLOROETHANE	BDL	10	
10V.	2-CHLOROETHYL VINYL ETHER	BDL	10	
11V.	CHLOROFORM	BDL	10	
12V.	DICHLOROBROMOMETHANE	BDL	10	
13V.	DICHLORODIFLUOROMETHANE	BDL	10	
14V.	1,1-DICHLOROETHANE	BDL	10	
15V.	1,2-DICHLOROETHANE	BDL	10	
16V.	1,1-DICHLOROETHYLENE	BDL	10	
17V.	1,2-DICHLOROPROPANE	BDL	10	
18V.	1,3-DICHLOROPROPYLENE	BDL	10	
19V.	ETHYLBENZENE	BDL	10	
20V.	METHYL BROMIDE	BDL	10	
21V.	METHYL CHLORIDE	BDL	10	
22V.	METHYLENE CHLORIDE	BDL	10	
23V.	1,1,2,2-TETRACHLOROETHANE	BDL	10	
24V.	TETRACHLOROETHYLENE	BDL	10	
25V.	TOLUENE	BDL	10	
26V.	1,2-TRANS-DICHLOROETHYLENE	BDL	10	
27V.	1,1,1-TRICHLOROETHANE	BDL	10	
28V.	1,1,2-TRICHLOROETHANE	BDL	10	
29V.	TRICHLOROETHYLENE	BDL	10	
30V.	TRICHLOROFLUOROMETHANE	BDL	10	
31V.	VINYL CHLORIDE	BDL	10	

BDL = BELOW DETECTION LIMIT

CLW  
 0000005961

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29375  
 COMPUCHEM SAMPLE NUMBER: 3496

<u>ACID EXTRACTABLE ORGANICS</u>		<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>	<u>SCAN NUMBER</u>
1A.	2-CHLOROPHENOL	BDL	25	
2A.	2,4-DICHLOROPHENOL	BDL	25	
3A.	2,4-DIMETHYLPHENOL	BDL	25	
4A.	4,6-DINITRO-O-CRESOL	BDL	250	
5A.	2,4-DINITROPHENOL	BDL	250	
6A.	2-NITROPHENOL	BDL	25	
7A.	4-NITROPHENOL	BDL	25	
8A.	P-CHLORO-M-CRESOL	BDL	25	
9A.	PENTACHLOROPHENOL	BDL	25	
10A.	PHENOL	BDL	25	
11A.	2,4,6-TRICHLOROPHENOL	BDL	25	

BDL = BELOW DETECTION LIMIT

CLW  
 0000005962

CompuChem employs Methods 624 and 625 for priority pollutant analysis. These methods were proposed by the U.S. E.P.A. in Volume 44 of the Federal Register on December 3, 1979. As these methods are currently in a "proposed" status, all aspects of the methods may not be validated until the U.S. E.P.A. promulgates the methods in "final" form.

CLW

0000005963

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29375  
 COMPUCHEM SAMPLE NUMBER: 3496

<u>PESTICIDES/PCB'S</u>	<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>
1P. ALDRIN	BDL	0.1
2P. ALPHA-BHC	BDL	0.1
3P. BETA-BHC	BDL	0.1
4P. GAMMA-BHC	BDL	0.1
5P. DELTA-BHC	BDL	0.1
6P. CHLORDANE	BDL	0.1
7P. 4,4'-DDT	BDL	0.1
8P. 4,4'-DDE	BDL	0.1
9P. 4,4'-DDD	BDL	0.1
10P. DIELDRIN	BDL	0.1
11P. ALPHA-ENDOSULFAN	BDL	0.1
12P. BETA-ENDOSULFAN	BDL	0.1
13P. ENDOSULFAN SULFATE	BDL	0.1
14P. ENDRIN	BDL	0.1
15P. ENDRIN ALDEHYDE	BDL	0.1
16P. HEPTACHLOR	BDL	0.1
17P. HEPTACHLOR EPOXIDE	BDL	0.1
18P. PCB-1242	BDL	0.1
19P. PCB-1254	BDL	0.1
20P. PCB-1221	BDL	0.1
21P. PCB-1232	BDL	0.1
22P. PCB-1248	BDL	0.1
23P. PCB-1260	BDL	0.1
24P. PCB-1016	BDL	0.1
25P. TOXAPHENE	BDL	0.1

BDL = BELOW DETECTION LIMIT

**CLW**

0000005964

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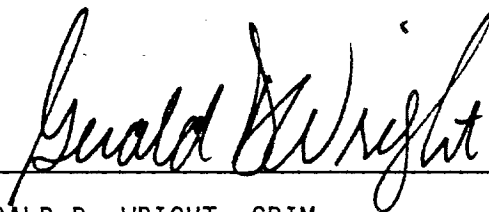
1E. REPORT OF DATA

SAMPLE IDENTIFIER NUMBER: 29376

COMPUCHEM SAMPLE NUMBER: 3497

SUBMITTED TO:

Mr. David Thompson  
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2160 Industrial Drive  
Salem, VA 24153



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R. L. MYERS, PH.D.  
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DIRECTOR OF LABORATORY OPERATIONS

CLW

0000005965

EXHIBIT I - LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 29376  
COMPUCHEM SAMPLE NUMBER: 3497

	<u>Date</u>
Received/Refrigerated	04/25/83
Organics	
Extracted	04/28/83
Analyzed	
1. Volatiles	04/29/83
2. Acids	04/29/83
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	05/02/83
Inorganics	
1. Metals	Not Requested
2. Cyanides	Not Requested
3. Phenols	Not Requested

CLW

0000005966

## EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29376  
COMPUCHEM SAMPLE NUMBER: 3497

<u>VOLATILE ORGANICS</u>	<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>	<u>SCAN NUMBER</u>
1V. ACROLEIN	BDL	100	
2V. ACRYLONITRILE	BDL	100	
3V. BENZENE	BDL	10	
4V. BIS (CHLOROMETHYL) ETHER	BDL	10	
5V. BROMOFORM	BDL	10	
6V. CARBON TETRACHLORIDE	BDL	10	
7V. CHLOROBENZENE	BDL	10	
8V. CHLORODIBROMOMETHANE	BDL	10	
9V. CHLOROETHANE	BDL	10	
10V. 2-CHLOROETHYL VINYL ETHER	BDL	10	
11V. CHLOROFORM	BDL	10	
12V. DICHLOROBROMOMETHANE	BDL	10	
13V. DICHLORODIFLUOROMETHANE	BDL	10	
14V. 1,1-DICHLOROETHANE	BDL	10	
15V. 1,2-DICHLOROETHANE	BDL	10	
16V. 1,1-DICHLOROETHYLENE	BDL	10	
17V. 1,2-DICHLOROPROPANE	BDL	10	
18V. 1,3-DICHLOROPROPYLENE	BDL	10	
19V. ETHYLBENZENE	BDL	10	
20V. METHYL BROMIDE	BDL	10	
21V. METHYL CHLORIDE	BDL	10	
22V. METHYLENE CHLORIDE	BDL	10	
23V. 1,1,2,2-TETRACHLOROETHANE	BDL	10	
24V. TETRACHLOROETHYLENE	BDL	10	
25V. TOLUENE	BDL	10	
26V. 1,2-TRANS-DICHLOROETHYLENE	BDL	10	
27V. 1,1,1-TRICHLOROETHANE	BDL	10	
28V. 1,1,2-TRICHLOROETHANE	BDL	10	
29V. TRICHLOROETHYLENE	BDL	10	
30V. TRICHLOROFLUOROMETHANE	BDL	10	
31V. VINYL CHLORIDE	BDL	10	

BDL = BELOW DETECTION LIMIT

CLW

0000005967

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29376  
 COMPUCHEM SAMPLE NUMBER: 3497

<u>ACID EXTRACTABLE ORGANICS</u>		<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>	<u>SCAN NUMBER</u>
1A.	2-CHLOROPHENOL	BDL	25	
2A.	2,4-DICHLOROPHENOL	BDL	25	
3A.	2,4-DIMETHYLPHENOL	BDL	25	
4A.	4,6-DINITRO-O-CRESOL	BDL	250	
5A.	2,4-DINITROPHENOL	BDL	250	
6A.	2-NITROPHENOL	BDL	25	
7A.	4-NITROPHENOL	BDL	25	
8A.	P-CHLORO-M-CRESOL	BDL	25	
9A.	PENTACHLOROPHENOL	BDL	25	
10A.	PHENOL	BDL	25	
11A.	2,4,6-TRICHLOROPHENOL	BDL	25	

BDL = BELOW DETECTION LIMIT

**CLW**  
 0000005968



CompuChem employs Methods 624 and 625 for priority pollutant analysis. These methods were proposed by the U.S. E.P.A. in Volume 44 of the Federal Register on December 3, 1979. As these methods are currently in a "proposed" status, all aspects of the methods may not be validated until the U.S. E.P.A. promulgates the methods in "final" form.

**CLW**

**0000005969**

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29376  
 COMPUCHEM SAMPLE NUMBER: 3497

<u>PESTICIDES/PCB'S</u>	<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>
1P. ALDRIN	BDL	0.1
2P. ALPHA-BHC	BDL	0.1
3P. BETA-BHC	BDL	0.1
4P. GAMMA-BHC	BDL	0.1
5P. DELTA-BHC	BDL	0.1
6P. CHLORDANE	BDL	0.1
7P. 4,4'-DDT	BDL	0.1
8P. 4,4'-DDE	BDL	0.1
9P. 4,4'-DDD	BDL	0.1
10P. DIELDRIN	BDL	0.1
11P. ALPHA-ENDOSULFAN	BDL	0.1
12P. BETA-ENDOSULFAN	BDL	0.1
13P. ENDOSULFAN SULFATE	BDL	0.1
14P. ENDRIN	BDL	0.1
15P. ENDRIN ALDEHYDE	BDL	0.1
16P. HEPTACHLOR	BDL	0.1
17P. HEPTACHLOR EPOXIDE	BDL	0.1
18P. PCB-1242	BDL	0.1
19P. PCB-1254	BDL	0.1
20P. PCB-1221	BDL	0.1
21P. PCB-1232	BDL	0.1
22P. PCB-1248	BDL	0.1
23P. PCB-1260	BDL	0.1
24P. PCB-1016	BDL	0.1
25P. TOXAPHENE	BDL	0.1

BDL = BELOW DETECTION LIMIT

**CLW**  
**0000005970**

mead CompuChem

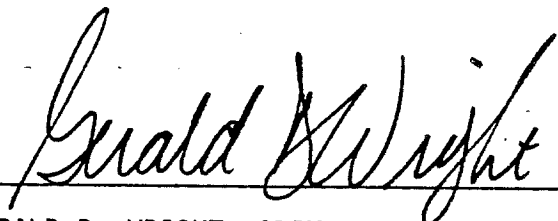
1F. REPORT OF DATA

SAMPLE IDENTIFIER NUMBER: 29377

COMPUCHEM SAMPLE NUMBER: 3498

SUBMITTED TO:

Mr. David Thompson  
Centec  
2160 Industrial Drive  
Salem, VA 24153



---

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JAMES J. ZOLDAK  
DIRECTOR OF LABORATORY OPERATIONS

CLW

0000005971

EXHIBIT I - LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 29377  
COMPUCHEM SAMPLE NUMBER: 3498

	<u>Date</u>
Received/Refrigerated	04/25/83
Organics	
Extracted	04/28/83
Analyzed	
1. Volatiles	04/29/83
2. Acids	04/29/83
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	05/02/83
Inorganics	
1. Metals	Not Requested
2. Cyanides	Not Requested
3. Phenols	Not Requested

CLW  
000005972

## EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29377  
COMPUCHEM SAMPLE NUMBER: 3498

<u>VOLATILE ORGANICS</u>		<u>CONCENTRATION</u> <u>(UG/L)</u>	<u>DETECTION</u> <u>LIMIT</u> <u>(UG/L)</u>	<u>SCAN</u> <u>NUMBER</u>
1V.	ACROLEIN	BDL	100	
2V.	ACRYLONITRILE	BDL	100	
3V.	BENZENE	BDL	10	
4V.	BIS (CHLOROMETHYL) ETHER	BDL	10	
5V.	BROMOFORM	BDL	10	
6V.	CARBON TETRACHLORIDE	BDL	10	
7V.	CHLOROBENZENE	BDL	10	
8V.	CHLORODIBROMOMETHANE	BDL	10	
9V.	CHLOROETHANE	BDL	10	
10V.	2-CHLOROETHYL VINYL ETHER	BDL	10	
11V.	CHLOROFORM	BDL	10	
12V.	DICHLOROBROMOMETHANE	BDL	10	
13V.	DICHLORODIFLUOROMETHANE	BDL	10	
14V.	1,1-DICHLOROETHANE	BDL	10	
15V.	1,2-DICHLOROETHANE	BDL	10	
16V.	1,1-DICHLOROETHYLENE	BDL	10	
17V.	1,2-DICHLOROPROPANE	BDL	10	
18V.	1,3-DICHLOROPROPYLENE	BDL	10	
19V.	ETHYLBENZENE	BDL	10	
20V.	METHYL BROMIDE	BDL	10	
21V.	METHYL CHLORIDE	BDL	10	
22V.	METHYLENE CHLORIDE	BDL	10	
23V.	1,1,2,2-TETRACHLOROETHANE	BDL	10	
24V.	TETRACHLOROETHYLENE	BDL	10	
25V.	TOLUENE	BDL	10	
26V.	1,2-TRANS-DICHLOROETHYLENE	BDL	10	
27V.	1,1,1-TRICHLOROETHANE	BDL	10	
28V.	1,1,2-TRICHLOROETHANE	BDL	10	
29V.	TRICHLOROETHYLENE	BDL	10	
30V.	TRICHLOROFLUOROMETHANE	BDL	10	
31V.	VINYL CHLORIDE	BDL	10	

BDL = BELOW DETECTION LIMIT

CLW

000005973

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29377  
 COMPUCHEM SAMPLE NUMBER: 3498

<u>ACID EXTRACTABLE ORGANICS</u>		<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>	<u>SCAN NUMBER</u>
1A.	2-CHLOROPHENOL	BDL	25	
2A.	2,4-DICHLOROPHENOL	BDL	25	
3A.	2,4-DIMETHYLPHENOL	BDL	25	
4A.	4,6-DINITRO-O-CRESOL	BDL	250	
5A.	2,4-DINITROPHENOL	BDL	250	
6A.	2-NITROPHENOL	BDL	25	
7A.	4-NITROPHENOL	BDL	25	
8A.	P-CHLORO-M-CRESOL	BDL	25	
9A.	PENTACHLOROPHENOL	BDL	25	
10A.	PHENOL	BDL	25	
11A.	2,4,6-TRICHLOROPHENOL	BDL	25	

BDL = BELOW DETECTION LIMIT

**CLW**  
 0000005974

CompuChem employs Methods 624 and 625 for priority pollutant analysis. These methods were proposed by the U.S. E.P.A. in Volume 44 of the Federal Register on December 3, 1979. As these methods are currently in a "proposed" status, all aspects of the methods may not be validated until the U.S. E.P.A. promulgates the methods in "final" form.

**CLW**

**0000005975**

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29377  
 COMPUCHEM SAMPLE NUMBER: 3498

<u>PESTICIDES/PCB'S</u>	<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>
1P. ALDRIN	BDL	0.1
2P. ALPHA-BHC	BDL	0.1
3P. BETA-BHC	BDL	0.1
4P. GAMMA-BHC	BDL	0.1
5P. DELTA-BHC	BDL	0.1
6P. CHLORDANE	BDL	0.1
7P. 4,4'-DDT	BDL	0.1
8P. 4,4'-DDE	BDL	0.1
9P. 4,4'-DDD	BDL	0.1
10P. DIELDRIN	BDL	0.1
11P. ALPHA-ENDOSULFAN	BDL	0.1
12P. BETA-ENDOSULFAN	BDL	0.1
13P. ENDOSULFAN SULFATE	BDL	0.1
14P. ENDRIN	BDL	0.1
15P. ENDRIN ALDEHYDE	BDL	0.1
16P. HEPTACHLOR	BDL	0.1
17P. HEPTACHLOR EPOXIDE	BDL	0.1
18P. PCB-1242	BDL	0.1
19P. PCB-1254	BDL	0.1
20P. PCB-1221	BDL	0.1
21P. PCB-1232	BDL	0.1
22P. PCB-1248	BDL	0.1
23P. PCB-1260	BDL	0.1
24P. PCB-1016	BDL	0.1
25P. TOXAPHENE	BDL	0.1

CLW

0000005976

BDL = BELOW DETECTION LIMIT



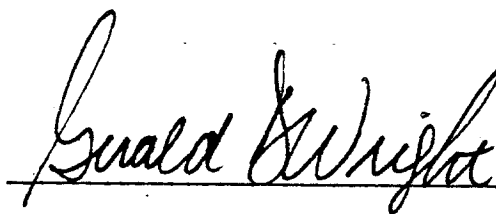
read Chem  
1A. REPORT OF DATA

SAMPLE IDENTIFIER NUMBER: 29378

COMPUCHEM SAMPLE NUMBER: 3499

SUBMITTED TO:

Mr. David Thompson  
Centec  
2160 Industrial Drive  
Salem, VA 24153



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JAMES J. ZOLDAK  
DIRECTOR OF LABORATORY OPERATIONS

CLW

000005977

EXHIBIT I - LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 29378  
COMPUCHEM SAMPLE NUMBER: 3499

	<u>Date</u>
Received/Refrigerated	04/25/83
Organics	
Extracted	04/28/83
Analyzed	
1. Volatiles	04/29/83
2. Acids	05/02/83
3. Base/Neutrals	05/06/83
4. Pesticides/PCBS	05/06/83
Inorganics	
1. Metals	Not Requested
2. Cyanides	04/27/83
3. Phenols	04/29/83

CLW

000005978

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29378  
 COMPUCHEM SAMPLE NUMBER: 3499

<u>VOLATILE ORGANICS</u>		<u>CONCENTRATION</u> (UG/L)	<u>DETECTION</u> <u>LIMIT</u> (UG/L)	<u>SCAN</u> <u>NUMBER</u>
1V.	ACROLEIN	BDL	100	
2V.	ACRYLONITRILE	BDL	100	
3V.	BENZENE	BDL	10	
4V.	BIS (CHLOROMETHYL) ETHER	BDL	10	
5V.	BROMOFORM	BDL	10	
6V.	CARBON TETRACHLORIDE	BDL	10	
7V.	CHLOROBENZENE	BDL	10	
8V.	CHLORODIBROMOMETHANE	BDL	10	
9V.	CHLOROETHANE	BDL	10	
10V.	2-CHLOROETHYLVINYL ETHER	BDL	10	
11V.	CHLOROFORM	50	10	319
12V.	DICHLOROBROMOMETHANE	14	10	406
13V.	DICHLORODIFLUOROMETHANE		10	
14V.	1,1-DICHLOROETHANE		10	
15V.	1,2-DICHLOROETHANE		10	
16V.	1,1-DICHLOROETHYLENE		10	
17V.	1,2-DICHLOROPROPANE		10	
18V.	1,3-DICHLOROPROPYLENE		10	
19V.	ETHYLBENZENE		10	
20V.	METHYL BROMIDE		10	
21V.	METHYL CHLORIDE		10	
22V.	METHYLENE CHLORIDE		10	
23V.	1,1,2,2-TETRACHLOROETHANE		10	
24V.	TETRACHLOROETHYLENE		10	
25V.	TOLUENE		10	
26V.	1,2-TRANS-DICHLOROETHYLENE		10	
27V.	1,1,1-TRICHLOROETHANE		10	
28V.	1,1,2-TRICHLOROETHANE		10	
29V.	TRICHLOROETHYLENE		10	
30V.	TRICHLOROFLUOROMETHANE		10	
31V.	VINYL CHLORIDE		10	

CLW

0000005979

BDL = BELOW DETECTION LIMIT

EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29378  
 COMPUCHEM SAMPLE NUMBER: 3499

<u>ACID EXTRACTABLE ORGANICS</u>		<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>	<u>SCAN NUMBER</u>
1A.	2-CHLOROPHENOL	BDL	25	
2A.	2,4-DICHLOROPHENOL	BDL	25	
3A.	2,4-DIMETHYLPHENOL	BDL	25	
4A.	4,6-DINITRO-O-CRESOL	BDL	250	
5A.	2,4-DINITROPHENOL	BDL	250	
6A.	2-NITROPHENOL	BDL	25	
7A.	4-NITROPHENOL	BDL	25	
8A.	P-CHLORO-M-CRESOL	BDL	25	
9A.	PENTACHLOROPHENOL	BDL	25	
10A.	PHENOL	BDL	25	
11A.	2,4,6-TRICHLOROPHENOL	BDL	25	

BDL = BELOW DETECTION LIMIT

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EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29378  
 COMPUCHEM SAMPLE NUMBER: 3499

BASE-NEUTRAL EXTRACTABLE ORGANICS	CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)	SCAN NUMBER
1B. ACENAPHTHENE	BDL	10	
2B. ACENAPHTHYLENE	BDL	10	
3B. ANTHRACENE	BDL	10	
4B. BENZIDINE	BDL	10	
5B. BENZO (A) ANTHRACENE	BDL	10	
6B. BENZO (A) PYRENE	BDL	10	
7B. 3,4-BENZOFUORANTHENE	BDL	10	
8B. BENZO (GHI) PERYLENE	BDL	25	
9B. BENZO (K) FLUORANTHENE	BDL	10	
10B. BIS (2-CHLOROETHOXY) METHANE	BDL	10	
11B. BIS (2-CHLOROETHYL) ETHER	BDL	10	
12B. BIS (2-CHLOROISOPROPYL) ETHER	BDL	10	
13B. BIS (2-ETHYLHEXYL-) PHTHALATE	BDL	10	
14B. 4-BROMOPHENYL PHENYL ETHER	BDL	10	
15B. BUTYL BENZYL PHTHALATE	BDL	10	
16B. 2-CHLORONAPHTHALENE	BDL	10	
17B. 4-CHLOROPHENYL PHENYL ETHER	BDL	10	
18B. CHRYSENE	BDL	10	
19B. DIBENZO (A,H) ANTHRACENE	BDL	25	
20B. 1,2-DICHLOROBENZENE	BDL	10	
21B. 1,3-DICHLOROBENZENE	BDL	10	
22B. 1,4-DICHLOROBENZENE	BDL	10	
23B. 3,3'-DICHLOROBENZIDINE	BDL	10	
24B. DIETHYL PHTHALATE	BDL	10	
25B. DIMETHYL PHTHALATE	BDL	10	
26B. DI-N-BUTYL PHTHALATE	BDL	10	
27B. 2,4-DINITROTOLUENE	BDL	10	
28B. 2,6-DINITROTOLUENE	BDL	10	
29B. DI-N-OCTYL PHTHALATE	BDL	10	
30B. 1,2-DIPHENYLHYDRAZINE	BDL	10	
31B. FLUORANTHENE	BDL	10	
32B. FLUORENE	BDL	10	
33B. HEXACHLOROBENZENE	BDL	10	
34B. HEXACHLOROBUTADIENE	BDL	10	
35B. HEXACHLOROCYCLOPENTADIENE	BDL	10	

Continued...

BDL = BELOW DETECTION LIMIT

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EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29378  
 COMPUCHEM SAMPLE NUMBER: 3499

BASE-NEUTRAL EXTRACTABLE ORGANICS (Continued)	CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)	SCAN NUMBER
6B. HEXACHLOROETHANE	BDL	10	
7B. INDENO (1,2,3-CD) PYRENE	BDL	25	
8B. ISOPHORONE	BDL	10	
9B. NAPHTHALENE	BDL	10	
10B. NITROBENZENE	BDL	10	
11B. N-NITROSODIMETHYLAMINE	BDL	10	
12B. N-NITROSODI-N-PROPYLAMINE	BDL	10	
13B. N-NITROSODIPHENYLAMINE	BDL	10	
14B. PHENANTHRENE	BDL	10	
15B. PYRENE	BDL	10	
16B. 1,2,4-TRICHLOROBENZENE	BDL	10	

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BDL = BELOW DETECTION LIMIT

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EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29378  
 COMPUCEM SAMPLE NUMBER: 3499

<u>PESTICIDES/PCB'S</u>	<u>CONCENTRATION (UG/L)</u>	<u>DETECTION LIMIT (UG/L)</u>	<u>SCAN NUMBER</u>
1P. ALDRIN	BDL	10	
2P. ALPHA-BHC	BDL	10	
3P. BETA-BHC	BDL	10	
4P. GAMMA-BHC	BDL	10	
5P. DELTA-BHC	BDL	10	
6P. CHLORDANE	BDL	10	
7P. 4,4'-DDT	BDL	10	
8P. 4,4'-DDE	BDL	10	
9P. 4,4'-DDD	BDL	10	
10P. DIELDRIN	BDL	10	
11P. ALPHA-ENDOSULFAN	BDL	10	
12P. BETA-ENDOSULFAN	BDL	10	
13P. ENDOSULFAN SULFATE	BDL	10	
14P. ENDRIN	BDL	10	
15P. ENDRIN ALDEHYDE	BDL	10	
16P. HEPTACHLOR	BDL	10	
17P. HEPTACHLOR EPOXIDE	BDL	10	
18P. PCB-1242	BDL	10	
19P. PCB-1254	BDL	10	
20P. PCB-1221	BDL	10	
21P. PCB-1232	BDL	10	
22P. PCB-1248	BDL	10	
23P. PCB-1260	BDL	10	
24P. PCB-1016	BDL	10	
25P. TOXAPHENE	BDL	10	

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BDL = BELOW DETECTION LIMIT

CompuChem employs Methods 624 and 625 for priority pollutant analysis. These methods were proposed by the U.S. E.P.A. in Volume 44 of the Federal Register on December 3, 1979. As these methods are currently in a "proposed" status, all aspects of the methods may not be validated until the U.S. E.P.A. promulgates the methods in "final" form.

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EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29378  
COMPUCHEM SAMPLE NUMBER: 3499

<u>INORGANICS PRIORITY POLLUTANTS</u>	<u>CONCENTRATION (MG/L)</u>	<u>DETECTION LIMIT (MG/L)</u>
14M. CYANIDE, TOTAL	BDL	0.01

INORGANICS  
CONVENTIONALS

(NONE ORDERED)

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EXHIBIT II - COMPOUND LIST

SAMPLE IDENTIFIER: 29378  
COMPUCHEM SAMPLE NUMBER: 3499

<u>INORGANICS PRIORITY POLLUTANTS</u>	<u>CONCENTRATION (MG/L)</u>	<u>DETECTION LIMIT (MG/L)</u>
15. PHENOLS, TOTAL	BDL	0.01

INORGANICS  
CONVENTIONALS

(NONE REQUESTED)

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