T-6282

Proposed Limits

	BOD Effluent	NH_3
HP	22	13
CJ	30	NONE
CG	10	3

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, Virginia 23511

RE: Water Analysis
CAS Commission No. 6094

REPORT DATE/NUMBER: 02 October 1984/327

SAMPLE COLLECTED: 22 August 1984: 1450; 30 August 1984: 0910

BY: U. S. Navy Personnel

SAMPLE RECEIVED IN LAB: 24 August 1984: 1130; 05 September 1984: 0730

ANALYSIS FOR: Volatile Organics (VOA)

METHOD OF ANALYSIS: See enclosed data.

CAS No.	Description	VOA
41143	002 Tarawa Terrace	*
41695	007 Onslow Beach	*

* Report is enclosed from CompuChem Laboratories.

Should you have any questions or comments concerning the enclosed information, please feel free to contact our office.

Prepared by:

CENTEC ANALYTICAL SERVICES

David F. Tompkins, Chemist

DFT;dlf
Enclosure as Stated

COMPUCHEM LABORATORIES

September 25, 1984

Mr. David Tompkins
Céntec
2160 Industrial Drive
Salem, VA 24153

Dear Mr. Tompkins:

Thank you for selecting CompuChem® Laboratories for your recent sample analysis. We have completed the analysis that you requested and have enclosed a summary of the CompuChem® data for your review. Additional data details are available for purchase if you require them.

As you know, EPA has proposed detection limits for the priority pollutants in the December 3, 1979, Federal Register, and we have reported all priority pollutant concentrations which have exceeded these limits (or their equivalent for solid matrices). In addition, we have permanently stored a complete record of your data on magnetic tape. This includes chromatograms, mass spectra, calibration and quality control data for the organics. Therefore, your original data is readily available for future reference. Should you require additional information from your data base, please contact us at 1/800-334-8525.

In order to expedite data to you, we have forwarded the results for all completed analyses. If you submitted more samples than are included in the enclosed results, the data will be forthcoming upon completion of our final review.

Your confidence in our CompuChem® service is appreciated. We look forward to a continuing association.

Sincerely,

Customer Service Dept.
CompuChem®

Enclosure:

Report: 41143 - 34592
41695 - 35300

DATA REPORT NOTICE

CompuChem employs Methods 624 and 625 for GC/MS analysis of organics in liquid matrices. These methods were proposed on December 3, 1979 by the U.S.E.P.A. in Volume 44 of the Federal Register. These methods were subsequently revised and reissued in July, 1982 as publication EPA-600/4-82-057. The EPA Environmental Monitoring and Support Laboratory (EMSL-Cincinnati) has subsequently issued method modifications which provide for the analysis of solid matrices. These modifications specify changes in the sample preparation procedures.

Additionally, for solid samples detection limits and any analytical results reported are based on processing the method specified sample size of as-received material.

The referenced methods are no longer appropriate for several of the original priority pollutant compounds. This is due to either the deletion from the toxic pollutant list (40 CFR Part 401) by EPA or the determination by EPA that the referenced methods may not be optimized for certain compounds (EPA-600/4-82-057) originally incorporated by the methods.

CompuChem® presents these compounds in its sample data report for completeness as many of the government compound list forms continue to display the affected compounds. For consistency, these compounds are reported as "BDL" or "Below Detection Limit" as they are either not likely to exist in the sample or are not likely to be detected by the method. Those compounds which have actually been deleted are listed below with the Federal Register deletion reference.

Compound Name	GC/MS Fraction	Federal Register	Date
Dichlorodifluoromethane	Volatile	46FR2264	1/8/81
*Trichlorofluoromethane	Volatile	46FR2264	1/8/81
Bis(Chloromethyl)Ether	Volatile	46FR10723	2/4/81

*While this compound has been deleted, CompuChem® continues to identify and quantitate for it.

COMPUCHEM
LABORATORIES

REPORT OF DATA

SAMPLE IDENTIFIER: 41143
41695

COMPUCHEM SAMPLE NUMBER: 34592
35300

SUBMITTED TO:

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

Diana A. Scammell

DIANA A. SCAMMELL
TECHNICAL SPECIALIST, OPERATIONS

R. L. MYERS, PH.D., PRESIDENT

ROBERT E. MEIERER
DIRECTOR OF QUALITY ASSURANCE

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41143
COMPUCHEM SAMPLE NUMBER: 34592

	Date
Received/Refrigerated	8-29-84
Organics	
Extracted	Not Required
Analyzed	
1. Volatiles	9-7-84
2. Acid	Not Requested
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	Not Requested
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenols	Not Requested

COMPOUND LIST - VOLATILES ORGANICS

SAMPLE IDENTIFIER: 41143
COMPUCHEM SAMPLE NUMBER: 34592

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1V.	CHLOROMETHANE	BDL	10
2V.	VINYL CHLORIDE	BDL	10
3V.	CHLOROETHANE	BDL	10
4V.	BROMOMETHANE	BDL	10
5V.	ACROLEIN	BDL	100
6V.	ACRYLONITRILE	BDL	100
7V.	METHYLENE CHLORIDE	BDL	10
8V.	TRICHLOROFLUOROMETHANE	BDL	10
9V.	1,1-DICHLOROETHYLENE	BDL	10
10V.	1,1-DICHLOROETHANE	BDL	10
11V.	TRANS-1,2-DICHLOROETHYLENE	BDL	10
12V.	CHLOROFORM	BDL	10
13V.	1,2-DICHLOROETHANE	BDL	10
14V.	1,1,1-TRICHLOROETHANE	BDL	10
15V.	CARBON TETRACHLORIDE	BDL	10
16V.	BROMODICHLOROMETHANE	BDL	10
17V.	1,2-DICHLOROPROPANE	BDL	10
18V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
19V.	TRICHLOROETHYLENE	BDL	10
20V.	BENZENE	BDL	10
21V.	CIS-1,3-DICHLOROPROPENE	BDL	10
22V.	1,1,2-TRICHLOROETHANE	BDL	10
23V.	DIBROMOCHLOROMETHANE	BDL	10
24V.	BROMOFORM	BDL	10
25V.	1,1,2,2-TETRACHLOROETHYLENE	20	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	BDL	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10
30V.	2-CHLOROETHYL VINYL ETHER	BDL	10
31V.	DICHLORODIFLUOROMETHANE†	BDL	
32V.	BIS(CHLOROMETHYL)ETHER†	BDL	

BDL=BELOW DETECTION LIMIT

†See Data Report Notice

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41695
COMPUCHEM SAMPLE NUMBER: 35300

	Date
Received/Refrigerated	9-10-84
Organics	
Extracted	Not Required
Analyzed	
1. Volatiles	9-17-84
2. Acid	Not Requested
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	Not Requested
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenols	Not Requested

COMPOUND LIST - VOLATILES ORGANICS

SAMPLE IDENTIFIER: 41695
COMPUCHEM SAMPLE NUMBER: 35300

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1V.	CHLOROMETHANE	BDL	10
2V.	VINYL CHLORIDE	BDL	10
3V.	CHLOROETHANE	BDL	10
4V.	BROMOMETHANE	BDL	10
5V.	ACROLEIN	BDL	100
6V.	ACRYLONITRILE	BDL	100
7V.	METHYLENE CHLORIDE	BDL	10
8V.	TRICHLOROFLUOROMETHANE	BDL	10
9V.	1,1-DICHLOROETHYLENE	BDL	10
10V.	1,1-DICHLOROETHANE	BDL	10
11V.	TRANS-1,2-DICHLOROETHYLENE	BDL	10
12V.	CHLOROFORM	51	10
13V.	1,2-DICHLOROETHANE	BDL	10
14V.	1,1,1-TRICHLOROETHANE	BDL	10
15V.	CARBON TETRACHLORIDE	BDL	10
16V.	BROMODICHLOROMETHANE	10	10
17V.	1,2-DICHLOROPROPANE	BDL	10
18V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
19V.	TRICHLOROETHYLENE	BDL	10
20V.	BENZENE	BDL	10
21V.	CIS-1,3-DICHLOROPROPENE	BDL	10
22V.	1,1,2-TRICHLOROETHANE	BDL	10
23V.	DIBROMOCHLOROMETHANE	BDL	10
24V.	BROMOFORM	BDL	10
25V.	1,1,2,2-TETRACHLOROETHYLENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	BDL	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10
30V.	2-CHLOROETHYL VINYL ETHER	BDL	10
31V.	DICHLORODIFLUOROMETHANE†	BDL	
32V.	BIS(CHLOROMETHYL)ETHER†	BDL	

BDL=BELOW DETECTION LIMIT

†See Data Report Notice

CENTEC ANALYTICAL SERVICES, INC.
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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, Virginia 23511

RE: Water Analysis
CAS Commission No. 6094

REPORT DATE/NUMBER: 25 September 1984/323

SAMPLES COLLECTED: 22 August 1984: 0930
22 August 1984: 1135

BY: U. S. Navy Personnel

SAMPLES RECEIVED IN LAB: 24 August 1984: 1130

ANALYSIS FOR: Volatile Organics (VOA)*

METHOD OF ANALYSIS: See enclosed data.

CAS No.	Description	VOA
41145	004 Hadnot Point	*
41147	006 Coverhouse Bay	*

* Report is enclosed from CompuChem Laboratories.

Prepared by:

CENTEC ANALYTICAL SERVICES

David F. Tompkins,
Chemist

DFT;dlf
Enclosure as Stated

COMPUCHEM LABORATORIES

September 14, 1984

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

Dear Mr. Tompkins:

Thank you for selecting CompuChem® Laboratories for your recent sample analysis. We have completed the analysis that you requested and have enclosed a summary of the CompuChem® data for your review. Additional data details are available for purchase if you require them.

As you know, EPA has proposed detection limits for the priority pollutants in the December 3, 1979, Federal Register, and we have reported all priority pollutant concentrations which have exceeded these limits (or their equivalent for solid matrices). In addition, we have permanently stored a complete record of your data on magnetic tape. This includes chromatograms, mass spectra, calibration and quality control data for the organics. Therefore, your original data is readily available for future reference. Should you require additional information from your data base, please contact us at 1/800-334-8525.

In order to expedite data to you, we have forwarded the results for all completed analyses. If you submitted more samples than are included in the enclosed results, the data will be forthcoming upon completion of our final review.

Your confidence in our CompuChem® service is appreciated. We look forward to a continuing association.

Sincerely,

Customer Service Dept.
CompuChem®

Enclosure:

Report:	41145	-	34594
	41147	-	34596

DATA REPORT NOTICE

CompuChem employs Methods 624 and 625 for GC/MS analysis of organics in liquid matrices. These methods were proposed on December 3, 1979 by the U.S.E.P.A. in Volume 44 of the Federal Register. These methods were subsequently revised and reissued in July, 1982 as publication EPA-600/4-82-057. The EPA Environmental Monitoring and Support Laboratory (EMSL-Cincinnati) has subsequently issued method modifications which provide for the analysis of solid matrices. These modifications specify changes in the sample preparation procedures.

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CompuChem® presents these compounds in its sample data report for completeness as many of the government compound list forms continue to display the affected compounds. For consistency, these compounds are reported as "BDL" or "Below Detection Limit" as they are either not likely to exist in the sample or are not likely to be detected by the method. Those compounds which have actually been deleted are listed below with the Federal Register deletion reference.

Compound Name	GC/MS Fraction	Federal Register	Date
Dichlorodifluoromethane	Volatile	46FR2264	1/8/81
*Trichlorofluoromethane	Volatile	46FR2264	1/8/81
Bis(Chloromethyl)Ether	Volatile	46FR10723	2/4/81

*While this compound has been deleted, CompuChem® continues to identify and quantitate for it.

COMPUCHEM LABORATORIES

REPORT OF DATA

SAMPLE IDENTIFIER: 41145
41147

COMPUCHEM SAMPLE NUMBER: 34594
34596

SUBMITTED TO:

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

Diana A. Scammell

DIANA A. SCAMMELL
TECHNICAL SPECIALIST, OPERATIONS

R. L. MYERS, PH.D., PRESIDENT

ROBERT E. MEIERER
DIRECTOR OF QUALITY ASSURANCE

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41145
COMPUCHEM SAMPLE NUMBER: 34594

	Date
Received/Refrigerated	8-29-84
Organics	
Extracted	Not Required
Analyzed	
1. Volatiles	9-7-84
2. Acid	Not Requested
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	Not Requested
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenols	Not Requested

COMPOUND LIST - VOLATILES ORGANICS

SAMPLE IDENTIFIER: 41145
COMPUCHEM SAMPLE NUMBER: 34594

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1V.	CHLOROMETHANE	BDL	10
2V.	VINYL CHLORIDE	BDL	10
3V.	CHLOROETHANE	BDL	10
4V.	BROMOMETHANE	BDL	10
5V.	ACROLEIN	BDL	100
6V.	ACRYLONITRILE	BDL	100
7V.	METHYLENE CHLORIDE	BDL	10
8V.	TRICHLOROFLUOROMETHANE	BDL	10
9V.	1,1-DICHLOROETHYLENE	BDL	10
10V.	1,1-DICHLOROETHANE	BDL	10
11V.	TRANS-1,2-DICHLOROETHYLENE	17	10
12V.	CHLOROFORM	BDL	10
13V.	1,2-DICHLOROETHANE	BDL	10
14V.	1,1,1-TRICHLOROETHANE	BDL	10
15V.	CARBON TETRACHLORIDE	BDL	10
16V.	BROMODICHLOROMETHANE	BDL	10
17V.	1,2-DICHLOROPROPANE	BDL	10
18V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
19V.	TRICHLOROETHYLENE	30	10
20V.	BENZENE	BDL	10
21V.	CIS-1,3-DICHLOROPROPENE	BDL	10
22V.	1,1,2-TRICHLOROETHANE	BDL	10
23V.	DIBROMOCHLOROMETHANE	BDL	10
24V.	BROMOFORM	BDL	10
25V.	1,1,2,2-TETRACHLOROETHYLENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	BDL	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10
30V.	2-CHLOROETHYL VINYL ETHER	BDL	10
31V.	DICHLORODIFLUOROMETHANE†	BDL	
32V.	BIS(CHLOROMETHYL)ETHER†	BDL	

BDL=BELOW DETECTION LIMIT

†See Data Report Notice

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41147
COMPUCHEM SAMPLE NUMBER: 34596

	Date
Received/Refrigerated	8-29-84
Organics	
Extracted	Not Required
Analyzed	
1. Volatiles	9-7-84
2. Acid	Not Requested
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	Not Requested
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenols	Not Requested

COMPOUND LIST - VOLATILES ORGANICS

SAMPLE IDENTIFIER: 41147
COMPUCHEM SAMPLE NUMBER: 34596

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1V.	CHLOROMETHANE	BDL	10
2V.	VINYL CHLORIDE	BDL	10
3V.	CHLOROETHANE	BDL	10
4V.	BROMOMETHANE	BDL	10
5V.	ACROLEIN	BDL	100
6V.	ACRYLONITRILE	BDL	100
7V.	METHYLENE CHLORIDE	BDL	10
8V.	TRICHLOROFLUOROMETHANE	BDL	10
9V.	1,1-DICHLOROETHYLENE	BDL	10
10V.	1,1-DICHLOROETHANE	BDL	10
11V.	TRANS-1,2-DICHLOROETHYLENE	BDL	10
12V.	CHLOROFORM	110	10
13V.	1,2-DICHLOROETHANE	BDL	10
14V.	1,1,1-TRICHLOROETHANE	BDL	10
15V.	CARBON TETRACHLORIDE	BDL	10
16V.	BROMODICHLOROMETHANE	42	10
17V.	1,2-DICHLOROPROPANE	BDL	10
18V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
19V.	TRICHLOROETHYLENE	BDL	10
20V.	BENZENE	BDL	10
21V.	CIS-1,3-DICHLOROPROPENE	BDL	10
22V.	1,1,2-TRICHLOROETHANE	BDL	10
23V.	DIBROMOCHLOROMETHANE	10	10
24V.	BROMOFORM	BDL	10
25V.	1,1,2,2-TETRACHLOROETHYLENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	BDL	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10
30V.	2-CHLOROETHYL VINYL ETHER	BDL	10
31V.	DICHLORODIFLUOROMETHANE†	BDL	
32V.	BIS(CHLOROMETHYL)ETHER†	BDL	

BDL=BELOW DETECTION LIMIT

†See Data Report Notice

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, Virginia 23511

RE: Water Analysis
CAS Commission No. 6094

REPORT DATE/NUMBER: 01 October 1984/325

SAMPLES COLLECTED: 22 August 1984: 0415: 1225: 1325

BY: U. S. Navy Personnel

SAMPLES RECEIVED IN LAB: 24 August 1984: 1130

ANALYSIS FOR: Volatile Organics (VOA)

METHOD OF ANALYSIS: See enclosed data.

CAS No.	Description	VOA
41142	001 Camp Geiger	*
41144	003 Camp Johnson	*
41146	005 Rifle Range	*

* Report is enclosed from CompuChem Laboratories.

Prepared by:

CENTEC ANALYTICAL SERVICES

David F. Tompkins, Chemist

DFT;dlf
Enclosure as Stated

COMPUCHEM LABORATORIES

September 19, 1984

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

Dear Mr. Tompkins:

Thank you for selecting CompuChem® Laboratories for your recent sample analysis. We have completed the analysis that you requested and have enclosed a summary of the CompuChem® data for your review. Additional data details are available for purchase if you require them.

As you know, EPA has proposed detection limits for the priority pollutants in the December 3, 1979, Federal Register, and we have reported all priority pollutant concentrations which have exceeded these limits (or their equivalent for solid matrices). In addition, we have permanently stored a complete record of your data on magnetic tape. This includes chromatograms, mass spectra, calibration and quality control data for the organics. Therefore, your original data is readily available for future reference. Should you require additional information from your data base, please contact us at 1/800-334-8525.

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Your confidence in our CompuChem® service is appreciated. We look forward to a continuing association.

Sincerely,

Customer Service Dept.
CompuChem®

Enclosure:

Report: 41142 - 34591
41146 - 34595
41144 - 34593

DATA REPORT NOTICE

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*Trichlorofluoromethane	Volatile	46FR2264	1/8/81
Bis(Chloromethyl)Ether	Volatile	46FR10723	2/4/81

*While this compound has been deleted, CompuChem® continues to identify and quantitate for it.

COMPUCHEM
LABORATORIES

REPORT OF DATA

SAMPLE IDENTIFIER:	COMPUCHEM SAMPLE NUMBER:
41142	34591 CC
41146	34595 RR
41144	34593 CS

SUBMITTED TO:

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

Diana A Scammell

DIANA A. SCAMMELL
TECHNICAL SPECIALIST, OPERATIONS

R. L. MYERS, PH.D., PRESIDENT

ROBERT E. MEIERER
DIRECTOR OF QUALITY ASSURANCE

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41142
COMPUCHEM SAMPLE NUMBER: 34591

	Date
Received/Refrigerated	08/29/84
Organics	
Extracted	Not Required
Analyzed	
1. Volatiles	09/07/84
2. Acids	Not Requested
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	Not Requested
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenol	Not Requested

COMPOUND LIST - VOLATILES ORGANICS

SAMPLE IDENTIFIER: 41142
COMPUCHEM SAMPLE NUMBER: 34591

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1V.	CHLOROMETHANE	BDL	10
2V.	VINYL CHLORIDE	BDL	10
3V.	CHLOROETHANE	BDL	10
4V.	BROMOMETHANE	BDL	10
5V.	ACROLEIN	BDL	100
6V.	ACRYLONITRILE	BDL	100
7V.	METHYLENE CHLORIDE	11	10
8V.	TRICHLOROFLUOROMETHANE	BDL	10
9V.	1,1-DICHLOROETHYLENE	BDL	10
10V.	1,1-DICHLOROETHANE	BDL	10
11V.	TRANS-1,2-DICHLOROETHYLENE	BDL	10
12V.	CHLOROFORM	BDL	10
13V.	1,2-DICHLOROETHANE	BDL	10
14V.	1,1,1-TRICHLOROETHANE	BDL	10
15V.	CARBON TETRACHLORIDE	BDL	10
16V.	BROMODICHLOROMETHANE	BDL	10
17V.	1,2-DICHLOROPROPANE	BDL	10
18V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
19V.	TRICHLOROETHYLENE	BDL	10
20V.	BENZENE	BDL	10
21V.	CIS-1,3-DICHLOROPROPENE	BDL	10
22V.	1,1,2-TRICHLOROETHANE	BDL	10
23V.	DIBROMOCHLOROMETHANE	BDL	10
24V.	BROMOFORM	BDL	10
25V.	1,1,2,2-TETRACHLOROETHYLENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	BDL	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10
30V.	2-CHLOROETHYL VINYL ETHER	BDL	10
31V.	DICHLORODIFLUOROMETHANE†	BDL	
32V.	BIS(CHLOROMETHYL)ETHER†	BDL	

BDL=BELOW DETECTION LIMIT

†See Data Report Notice

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41144
COMPUCHEM SAMPLE NUMBER: 34593

	Date
Received/Refrigerated	08/29/84
Organics	
Extracted	Not Required
Analyzed	
1. Volatiles	09/07/84
2. Acids	Not Requested
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	Not Requested
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenol	Not Requested

COMPOUND LIST - VOLATILES ORGANICS

SAMPLE IDENTIFIER: 41144
COMPUCHEM SAMPLE NUMBER: 34593

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1V.	CHLOROMETHANE	BDL	10
2V.	VINYL CHLORIDE	BDL	10
3V.	CHLOROETHANE	BDL	10
4V.	BROMOMETHANE	BDL	10
5V.	ACROLEIN	BDL	100
6V.	ACRYLONITRILE	BDL	100
7V.	METHYLENE CHLORIDE	BDL	10
8V.	TRICHLOROFLUOROMETHANE	BDL	10
9V.	1,1-DICHLOROETHYLENE	BDL	10
10V.	1,1-DICHLOROETHANE	BDL	10
11V.	TRANS-1,2-DICHLOROETHYLENE	BDL	10
12V.	CHLOROFORM	76	10
13V.	1,2-DICHLOROETHANE	BDL	10
14V.	1,1,1-TRICHLOROETHANE	BDL	10
15V.	CARBON TETRACHLORIDE	BDL	10
16V.	BROMODICHLOROMETHANE	35	10
17V.	1,2-DICHLOROPROPANE	BDL	10
18V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
19V.	TRICHLOROETHYLENE	BDL	10
20V.	BENZENE	BDL	10
21V.	CIS-1,3-DICHLOROPROPENE	BDL	10
22V.	1,1,2-TRICHLOROETHANE	BDL	10
23V.	DIBROMOCHLOROMETHANE	12	10
24V.	BROMOFORM	BDL	10
25V.	1,1,2,2-TETRACHLOROETHYLENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	BDL	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10
30V.	2-CHLOROETHYL VINYL ETHER	BDL	10
31V.	DICHLORODIFLUOROMETHANE†	BDL	
32V.	BIS(CHLOROMETHYL)ETHER†	BDL	

BDL=BELOW DETECTION LIMIT

†See Data Report Notice

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41146
COMPUCHEM SAMPLE NUMBER: 34595

	Date
Received/Refrigerated	08/29/84
Organics	
Extracted	Not Required
Analyzed	
1. Volatiles	09/07/84
2. Acids	Not Requested
3. Base/Neutrals	Not Requested
4. Pesticides/PCBS	Not Requested
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenol	Not Requested

COMPOUND LIST - VOLATILES ORGANICS

SAMPLE IDENTIFIER: 41146
COMPUCHEM SAMPLE NUMBER: 34595

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1V.	CHLOROMETHANE	BDL	10
2V.	VINYL CHLORIDE	BDL	10
3V.	CHLOROETHANE	BDL	10
4V.	BROMOMETHANE	BDL	10
5V.	ACROLEIN	BDL	100
6V.	ACRYLONITRILE	BDL	100
7V.	METHYLENE CHLORIDE	BDL	10
8V.	TRICHLOROFLUOROMETHANE	BDL	10
9V.	1,1-DICHLOROETHYLENE	BDL	10
10V.	1,1-DICHLOROETHANE	BDL	10
11V.	TRANS-1,2-DICHLOROETHYLENE	BDL	10
12V.	CHLOROFORM	110	10
13V.	1,2-DICHLOROETHANE	BDL	10
14V.	1,1,1-TRICHLOROETHANE	BDL	10
15V.	CARBON TETRACHLORIDE	BDL	10
16V.	BROMODICHLOROMETHANE	22	10
17V.	1,2-DICHLOROPROPANE	BDL	10
18V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
19V.	TRICHLOROETHYLENE	BDL	10
20V.	BENZENE	BDL	10
21V.	CIS-1,3-DICHLOROPROPENE	BDL	10
22V.	1,1,2-TRICHLOROETHANE	BDL	10
23V.	DIBROMOCHLOROMETHANE	BDL	10
24V.	BROMOFORM	BDL	10
25V.	1,1,2,2-TETRACHLOROETHYLENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	BDL	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10
30V.	2-CHLOROETHYL VINYL ETHER	BDL	10
31V.	DICHLORODIFLUOROMETHANE†	BDL	
32V.	BIS(CHLOROMETHYL)ETHER†	BDL	

BDL=BELOW DETECTION LIMIT

†See Data Report Notice

COMPUCHEM
LABORATORIES

November 15, 1984

Ms. Cheryl Daniel
Centec
2160 Industrial Drive
Salem, VA 24153

Dear Ms. Daniel:

Thank you for selecting CompuChem® Laboratories for your recent sample analysis. We have completed the analysis that you requested and have enclosed a summary of the CompuChem® data for your review. Additional data details are available for purchase if you require them.

As you know, EPA has proposed detection limits for the priority pollutants in the December 3, 1979, Federal Register, and we have reported all priority pollutant concentrations which have exceeded these limits (or their equivalent for solid matrices). In addition, we have permanently stored a complete record of your data on magnetic tape. This includes chromatograms, mass spectra, calibration and quality control data for the organics. Therefore, your original data is readily available for future reference. Should you require additional information from your data base, please contact us at 1/800-334-8525.

In order to expedite data to you, we have forwarded the results for all completed analyses. If you submitted more samples than are included in the enclosed results, the data will be forthcoming upon completion of our final review.

Your confidence in our CompuChem® service is appreciated. We look forward to a continuing association.

Sincerely,

Mary Mitchell for

Pamela S. Carrington
Manager, Report Preparation

Enclosure:

Report: 41149 - 37232 CAMP GEIGER

DATA REPORT NOTICE

CompuChem employs Methods 624 and 625 for GC/MS analysis of organics in liquid matrices. These methods were proposed on December 3, 1979 by the U.S.E.P.A. in Volume 44 of the Federal Register. These methods were subsequently revised and reissued in July, 1982 as publication EPA-600/4-82-057. The EPA Environmental Monitoring and Support Laboratory (EMSL-Cincinnati) has subsequently issued method modifications which provide for the analysis of solid matrices. These modifications specify changes in the sample preparation procedures.

Additionally, for solid samples detection limits and any analytical results reported are based on processing the method specified sample size of as-received material.

The referenced methods are no longer appropriate for several of the original priority pollutant compounds. This is due to either the deletion from the toxic pollutant list (40 CFR Part 401) by EPA or the determination by EPA that the referenced methods may not be optimized for certain compounds (EPA-600/4-82-057) originally incorporated by the methods.

CompuChem® presents these compounds in its sample data report for completeness as many of the government compound list forms continue to display the affected compounds. For consistency, these compounds are reported as "BDL" or "Below Detection Limit" as they are either not likely to exist in the sample or are not likely to be detected by the method. Those compounds which have actually been deleted are listed below with the Federal Register deletion reference.

Compound Name	GC/MS Fraction	Federal Register	Date
Dichlorodifluoromethane	Volatile	46FR2264	1/8/81
*Trichlorofluoromethane	Volatile	46FR2264	1/8/81
Bis(Chloromethyl)Ether	Volatile	46FR10723	2/4/81

*While this compound has been deleted, CompuChem® continues to identify and quantitate for it.

COMPUCHEM
LABORATORIES

REPORT OF DATA

SAMPLE IDENTIFIER: 41149

COMPUCHEM SAMPLE NUMBER: 37232

SUBMITTED TO:

Ms. Cheryl Daniel
Centec
2160 Industrial Drive
Salem, VA 24153

Diana A. Scammell

DIANA A. SCAMMELL
TECHNICAL SPECIALIST, OPERATIONS

R. L. MYERS, PH.D., PRESIDENT

ROBERT E. MEIERER
DIRECTOR OF QUALITY ASSURANCE

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41149
COMPUCHEM SAMPLE NUMBER: 37232

	Date
Received/Refrigerated	10/24/84
Organics	
Extracted	10/25/84
Analyzed	
1. Volatiles	Not Requested
2. Acids	10/31/84
3. Base/Neutrals	10/31/84
4. Pesticides/PCBS	10/31/84
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenol	Not Requested

COMPOUND LIST -- ACID EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41149
COMPUCHEM SAMPLE NUMBER: 37232

		CONCENTRATION (UG/L)	DETECTION* LIMIT (UG/L)
1A.	PHENOL	BDL	325
2A.	2-CHLOROPHENOL	BDL	325
3A.	2-NITROPHENOL	BDL	325
4A.	2,4-DIMETHYLPHENOL	BDL	325
5A.	2,4-DICHLOROPHENOL	BDL	325
6A.	P-CHLORO-M-CRESOL	BDL	325
7A.	2,4,6-TRICHLOROPHENOL	BDL	325
8A.	2,4-DINITROPHENOL	BDL	3250
9A.	4-NITROPHENOL	BDL	325
10A.	4,6-DINITRO-O-CRESOL	BDL	3250
11A.	PENTACHLOROPHENOL	BDL	325

BDL=BELOW DETECTION LIMIT
*Detection limits raised due to less than required amount of sample available for extraction.

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41149
COMPUCHEM SAMPLE NUMBER: 37232

		CONCENTRATION (UG/L)	DETECTION* LIMIT (UG/L)
1B.	N-NITROSODIMETHYLAMINE	BDL	130
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	130
3B.	1,3-DICHLOROBENZENE	BDL	130
4B.	1,4-DICHLOROBENZENE	BDL	130
5B.	1,2-DICHLOROBENZENE	BDL	130
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	130
7B.	HEXACHLOROETHANE	BDL	130
8B.	N-NITROSODI-N-PROPYLAMINE	BDL	130
9B.	NITROBENZENE	BDL	130
10B.	ISOPHORONE	BDL	130
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	130
12B.	1,2,4-TRICHLOROBENZENE	BDL	130
13B.	NAPHTHALENE	BDL	130
14B.	HEXACHLOROBUTADIENE	BDL	130
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	130
16B.	2-CHLORONAPHTHALENE	BDL	130
17B.	DIMETHYLPHTHALATE	BDL	130
18B.	ACENAPHTHYLENE	BDL	130
19B.	2,6-DINITROTOLUENE	BDL	130
20B.	ACENAPHTHENE	BDL	130
21B.	2,4-DINITROTOLUENE	BDL	130
22B.	DIETHYLPHTHALATE	BDL	130
23B.	FLUORENE	BDL	130
24B.	4-CHLOROPHENYL PHENYL ETHER	BDL	130
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	130
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	130
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	130
28B.	HEXACHLOROBENZENE	BDL	130

(Continued)

BDL=BELOW DETECTION LIMIT
*Detection limits raised due to less than required amount of sample available for extraction.

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS (Page Two)

SAMPLE IDENTIFIER: 41149
COMPUCHEM SAMPLE NUMBER: 37232

		CONCENTRATION (UG/L)	DETECTION* LIMIT (UG/L)
29B.	PHENANTHRENE	BDL	130
30B.	ANTHRACENE	BDL	130
31B.	DI-N-BUTYLPHTHALATE	BDL	130
32B.	FLUORANTHENE	BDL	130
33B.	BENZIDINE	BDL	130
34B.	PYRENE	BDL	130
35B.	BUTYLBENZYLPHTHALATE	BDL	130
36B.	BENZO(A)ANTHRACENE	BDL	130
37B.	3,3'-DICHLOROBENZIDINE	BDL	130
38B.	CHRYSENE	BDL	130
39B.	BIS(2-ETHYLHEXYL)PHTHALATE	BDL	130
40B.	DI-N-OCTYLPHTHALATE	BDL	130
41B.	BENZO(B)FLUORANTHENE	BDL	130
42B.	BENZO(K)FLUORANTHENE	BDL	130
43B.	BENZO(A)PYRENE	BDL	130
44B.	INDENO(1,2,3-C,D)PYRENE	BDL	325
45B.	DIBENZO(A,H)ANTHRACENE	BDL	325
46B.	BENZO(G,H,I)PERYLENE	BDL	325

BDL=BELOW DETECTION LIMIT
*Detection limits raised due to less than required amount of sample available for extraction.

COMPOUND LIST -- PESTICIDES/PCB'S

SAMPLE IDENTIFIER: 41149
COMPUCHEM SAMPLE NUMBER: 37232

		CONCENTRATION (UG/L)	DETECTION* LIMIT (UG/L)
1P.	ALDRIN	BDL	130
2P.	ALPHA-BHC	BDL	130
3P.	BETA-BHC	BDL	130
4P.	GAMMA-BHC	BDL	130
5P.	DELTA-BHC	BDL	130
6P.	CHLORDANE	BDL	130
7P.	4,4'-DDT	BDL	130
8P.	4,4'-DDE	BDL	130
9P.	4,4'-DDD	BDL	130
10P.	DIELDRIN	BDL	130
11P.	ALPHA-ENDOSULFAN	BDL	130
12P.	BETA-ENDOSULFAN	BDL	130
13P.	ENDOSULFAN SULFATE	BDL	130
14P.	ENDRIN	BDL	130
15P.	ENDRIN ALDEHYDE	BDL	130
16P.	HEPTACHLOR	BDL	130
17P.	HEPTACHLOR EPOXIDE	BDL	130
18P.	PCB-1242	BDL	130
19P.	PCB-1254	BDL	130
20P.	PCB-1221	BDL	130
21P.	PCB-1232	BDL	130
22P.	PCB-1248	BDL	130
23P.	PCB-1260	BDL	130
24P.	PCB-1016	BDL	130
25P.	TOXAPHENE	BDL	130

BDL=BELOW DETECTION LIMIT
*Detection limits raised due to less than required amount of sample available for extraction.

COMPUCHEM
LABORATORIES

November 19, 1984

Ms. Cheryl Daniel
Centec
2160 Industrial Drive
Salem, VA 24153

Dear Ms. Daniel:

Thank you for selecting CompuChem® Laboratories for your recent sample analysis. We have completed the analysis that you requested and have enclosed a summary of the CompuChem® data for your review. Additional data details are available for purchase if you require them.

As you know, EPA has proposed detection limits for the priority pollutants in the December 3, 1979, Federal Register, and we have reported all priority pollutant concentrations which have exceeded these limits (or their equivalent for solid matrices). In addition, we have permanently stored a complete record of your data on magnetic tape. This includes chromatograms, mass spectra, calibration and quality control data for the organics. Therefore, your original data is readily available for future reference. Should you require additional information from your data base, please contact us at 1/800-334-8525.

In order to expedite data to you, we have forwarded the results for all completed analyses. If you submitted more samples than are included in the enclosed results, the data will be forthcoming upon completion of our final review.

Your confidence in our CompuChem® service is appreciated. We look forward to a continuing association.

Sincerely,

Pamela S. Carrington

Pamela S. Carrington
Manager, Report Preparation

Enclosure:

Report: 41152 - 37235

DATA REPORT NOTICE

CompuChem employs Methods 624 and 625 for GC/MS analysis of organics in liquid matrices. These methods were proposed on December 3, 1979 by the U.S.E.P.A. in Volume 44 of the Federal Register. These methods were subsequently revised and reissued in July, 1982 as publication EPA-600/4-82-057. The EPA Environmental Monitoring and Support Laboratory (EMSL-Cincinnati) has subsequently issued method modifications which provide for the analysis of solid matrices. These modifications specify changes in the sample preparation procedures.

Additionally, for solid samples detection limits and any analytical results reported are based on processing the method specified sample size of as-received material.

The referenced methods are no longer appropriate for several of the original priority pollutant compounds. This is due to either the deletion from the toxic pollutant list (40 CFR Part 401) by EPA or the determination by EPA that the referenced methods may not be optimized for certain compounds (EPA-600/4-82-057) originally incorporated by the methods.

CompuChem® presents these compounds in its sample data report for completeness as many of the government compound list forms continue to display the affected compounds. For consistency, these compounds are reported as "BDL" or "Below Detection Limit" as they are either not likely to exist in the sample or are not likely to be detected by the method. Those compounds which have actually been deleted are listed below with the Federal Register deletion reference.

Compound Name	GC/MS Fraction	Federal Register	Date
Dichlorodifluoromethane	Volatile	46FR2264	1/8/81
*Trichlorofluoromethane	Volatile	46FR2264	1/8/81
Bis(Chloromethyl)Ether	Volatile	46FR10723	2/4/81

*While this compound has been deleted, CompuChem® continues to identify and quantitate for it.

COMPUCHEM
LABORATORIES

REPORT OF DATA

SAMPLE IDENTIFIER: 41152

COMPUCHEM SAMPLE NUMBER: 37235

SUBMITTED TO:

Ms. Cheryl Daniel
Centec
2160 Industrial Drive
Salem, VA 24153

Diana A. Scammell

DIANA A. SCAMMELL
TECHNICAL SPECIALIST, OPERATIONS

R. L. MYERS, PH.D., PRESIDENT

ROBERT E. MEIERER
DIRECTOR OF QUALITY ASSURANCE

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41152
COMPUCHEM SAMPLE NUMBER: 37235

	Date
Received/Refrigerated	10/24/84
Organics	
Extracted	10/25/84
Analyzed	
1. Volatiles	Not Requested
2. Acids	10/31/84
3. Base/Neutrals	11/01/84
4. Pesticides/PCBS	11/01/84
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenol	Not Requested

COMPOUND LIST -- ACID EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41152
COMPUCHEM SAMPLE NUMBER: 37235

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1A.	PHENOL	36	25
2A.	2-CHLOROPHENOL	BDL	25
3A.	2-NITROPHENOL	BDL	25
4A.	2,4-DIMETHYLPHENOL	BDL	25
5A.	2,4-DICHLOROPHENOL	BDL	25
6A.	P-CHLORO-M-CRESOL	BDL	25
7A.	2,4,6-TRICHLOROPHENOL	BDL	25
8A.	2,4-DINITROPHENOL	BDL	250
9A.	4-NITROPHENOL	BDL	25
10A.	4,6-DINITRO-O-CRESOL	BDL	250
11A.	PENTACHLOROPHENOL	BDL	25

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41152
COMPUCHEM SAMPLE NUMBER: 37235

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1B.	N-NITROSODIMETHYLAMINE	BDL	10
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	10
3B.	1,3-DICHLOROBENZENE	BDL	10
4B.	1,4-DICHLOROBENZENE	BDL	10
5B.	1,2-DICHLOROBENZENE	BDL	10
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	10
7B.	HEXACHLOROETHANE	BDL	10
8B.	N-NITROSODI-N-PROPYLAMINE	BDL	10
9B.	NITROBENZENE	BDL	10
10B.	ISOPHORONE	BDL	10
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	10
12B.	1,2,4-TRICHLOROBENZENE	BDL	10
13B.	NAPHTHALENE	BDL	10
14B.	HEXACHLOROBUTADIENE	BDL	10
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	10
16B.	2-CHLORONAPHTHALENE	BDL	10
17B.	DIMETHYLPHTHALATE	BDL	10
18B.	ACENAPHTHYLENE	BDL	10
19B.	2,6-DINITROTOLUENE	BDL	10
20B.	ACENAPHTHENE	BDL	10
21B.	2,4-DINITROTOLUENE	BDL	10
22B.	DIETHYLPHTHALATE	BDL	10
23B.	FLUORENE	BDL	10
24B.	4-CHLOROPHENYL PHENYL ETHER	BDL	10
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	10
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	10
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	10
28B.	HEXACHLOROBENZENE	BDL	10

(Continued)

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS (Page Two)

SAMPLE IDENTIFIER: 41152
COMPUCHEM SAMPLE NUMBER: 37235

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
29B.	PHENANTHRENE	BDL	10
30B.	ANTHRACENE	BDL	10
31B.	DI-N-BUTYLPHTHALATE	BDL	10
32B.	FLUORANTHENE	BDL	10
33B.	BENZIDINE	BDL	10
34B.	PYRENE	BDL	10
35B.	BUTYLBENZYLPHTHALATE	BDL	10
36B.	BENZO(A)ANTHRACENE	BDL	10
37B.	3,3'-DICHLOROBENZIDINE	BDL	10
38B.	CHRYSENE	BDL	10
39B.	BIS(2-ETHYLHEXYL)PHTHALATE	13	10
40B.	DI-N-OCTYLPHTHALATE	BDL	10
41B.	BENZO(B)FLUORANTHENE	BDL	10
42B.	BENZO(K)FLUORANTHENE	BDL	10
43B.	BENZO(A)PYRENE	BDL	10
44B.	INDENO(1,2,3-C,D)PYRENE	BDL	25
45B.	DIBENZO(A,H)ANTHRACENE	BDL	25
46B.	BENZO(G,H,I)PERYLENE	BDL	25

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- PESTICIDES/PCB'S

SAMPLE IDENTIFIER: 41152
COMPUCHEM SAMPLE NUMBER: 37235

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
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

BDL=BELOW DETECTION LIMIT

DATA REPORT NOTICE

CompuChem employs Methods 624 and 625 for GC/MS analysis of organics in liquid matrices. These methods were proposed on December 3, 1979 by the U.S.E.P.A. in Volume 44 of the Federal Register. These methods were subsequently revised and reissued in July, 1982 as publication EPA-600/4-82-057. The EPA Environmental Monitoring and Support Laboratory (EMSL-Cincinnati) has subsequently issued method modifications which provide for the analysis of solid matrices. These modifications specify changes in the sample preparation procedures.

Additionally, for solid samples detection limits and any analytical results reported are based on processing the method specified sample size of as-received material.

The referenced methods are no longer appropriate for several of the original priority pollutant compounds. This is due to either the deletion from the toxic pollutant list (40 CFR Part 401) by EPA or the determination by EPA that the referenced methods may not be optimized for certain compounds (EPA-600/4-82-057) originally incorporated by the methods.

CompuChem® presents these compounds in its sample data report for completeness as many of the government compound list forms continue to display the affected compounds. For consistency, these compounds are reported as "BDL" or "Below Detection Limit" as they are either not likely to exist in the sample or are not likely to be detected by the method. Those compounds which have actually been deleted are listed below with the Federal Register deletion reference.

Compound Name	GC/MS Fraction	Federal Register	Date
Dichlorodifluoromethane	Volatile	46FR2264	1/8/81
*Trichlorofluoromethane	Volatile	46FR2264	1/8/81
Bis(Chloromethyl)Ether	Volatile	46FR10723	2/4/81

*While this compound has been deleted, CompuChem® continues to identify and quantitate for it.

COMPUCHEM
LABORATORIES

REPORT OF DATA

SAMPLE IDENTIFIER: 41151

COMPUCHEM SAMPLE NUMBER: 37234

SUBMITTED TO:

Ms. Cheryl Daniel
Centec
2160 Industrial Drive
Salem, VA 24153

Diana A. Scammell

DIANA A. SCAMMELL
TECHNICAL SPECIALIST, OPERATIONS

R. L. MYERS, PH.D., PRESIDENT

ROBERT E. MEIERER
DIRECTOR OF QUALITY ASSURANCE

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41151
COMPUCHEM SAMPLE NUMBER: 37234

	Date
Received/Refrigerated	10/24/84
Organics	
Extracted	10/25/84
Analyzed	
1. Volatiles	Not Requested
2. Acids	11/06/84
3. Base/Neutrals	11/01/84
4. Pesticides/PCBS	11/01/84
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenol	Not Requested

COMPOUND LIST -- ACID EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41151
COMPUCHEM SAMPLE NUMBER: 37234

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

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41151
COMPUCHEM SAMPLE NUMBER: 37234

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1B.	N-NITROSODIMETHYLAMINE	BDL	10
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	10
3B.	1,3-DICHLOROBENZENE	BDL	10
4B.	1,4-DICHLOROBENZENE	BDL	10
5B.	1,2-DICHLOROBENZENE	BDL	10
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	10
7B.	HEXACHLOROETHANE	BDL	10
8B.	N-NITROSODI-N-PROPYLAMINE	BDL	10
9B.	NITROBENZENE	BDL	10
10B.	ISOPHORONE	BDL	10
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	10
12B.	1,2,4-TRICHLOROBENZENE	BDL	10
13B.	NAPHTHALENE	BDL	10
14B.	HEXACHLOROBUTADIENE	BDL	10
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	10
16B.	2-CHLORONAPHTHALENE	BDL	10
17B.	DIMETHYLPHTHALATE	BDL	10
18B.	ACENAPHTHYLENE	BDL	10
19B.	2,6-DINITROTOLUENE	BDL	10
20B.	ACENAPHTHENE	BDL	10
21B.	2,4-DINITROTOLUENE	BDL	10
22B.	DIETHYLPHTHALATE	BDL	10
23B.	FLUORENE	BDL	10
24B.	4-CHLOROPHENYL PHENYL ETHER	BDL	10
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	10
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	10
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	10
28B.	HEXACHLOROBENZENE	BDL	10

(Continued)

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS (Page Two)

SAMPLE IDENTIFIER: 41151
COMPUCHEM SAMPLE NUMBER: 37234

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
29B.	PHENANTHRENE	BDL	10
30B.	ANTHRACENE	BDL	10
31B.	DI-N-BUTYLPHTHALATE	BDL	10
32B.	FLUORANTHENE	BDL	10
33B.	BENZIDINE	BDL	10
34B.	PYRENE	BDL	10
35B.	BUTYLBENZYLPHTHALATE	BDL	10
36B.	BENZO(A)ANTHRACENE	BDL	10
37B.	3,3'-DICHLOROBENZIDINE	BDL	10
38B.	CHRYSENE	BDL	10
39B.	BIS(2-ETHYLHEXYL)PHTHALATE	BDL	10
40B.	DI-N-OCTYLPHTHALATE	BDL	10
41B.	BENZO(B)FLUORANTHENE	BDL	10
42B.	BENZO(K)FLUORANTHENE	BDL	10
43B.	BENZO(A)PYRENE	BDL	10
44B.	INDENO(1,2,3-C,D)PYRENE	BDL	25
45B.	DIBENZO(A,H)ANTHRACENE	BDL	25
46B.	BENZO(G,H,I)PERYLENE	BDL	25

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- PESTICIDES/PCB'S

SAMPLE IDENTIFIER: 41151
COMPUCHEM SAMPLE NUMBER: 37234

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
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

BDL=BELOW DETECTION LIMIT

COMPUCHEM LABORATORIES

November 17, 1984

Ms. Cheryl Daniel
Centec
2160 Industrial Drive
Salem, VA 24153

Dear Ms. Daniel:

Thank you for selecting CompuChem® Laboratories for your recent sample analysis. We have completed the analysis that you requested and have enclosed a summary of the CompuChem® data for your review. Additional data details are available for purchase if you require them.

As you know, EPA has proposed detection limits for the priority pollutants in the December 3, 1979, Federal Register, and we have reported all priority pollutant concentrations which have exceeded these limits (or their equivalent for solid matrices). In addition, we have permanently stored a complete record of your data on magnetic tape. This includes chromatograms, mass spectra, calibration and quality control data for the organics. Therefore, your original data is readily available for future reference. Should you require additional information from your data base, please contact us at 1/800-334-8525.

In order to expedite data to you, we have forwarded the results for all completed analyses. If you submitted more samples than are included in the enclosed results, the data will be forthcoming upon completion of our final review.

Your confidence in our CompuChem® service is appreciated. We look forward to a continuing association.

Sincerely,

Pamela S. Carrington

Pamela S. Carrington
Manager, Report Preparation

Enclosure:

Report: 41151 - 37234

COMPUCHEM LABORATORIES

November 14, 1984

Ms. Cheryl Daniel
Centec
2160 Industrial Drive
Salem, VA 24153

Dear Ms. Daniel:

Thank you for selecting CompuChem® Laboratories for your recent sample analysis. We have completed the analysis that you requested and have enclosed a summary of the CompuChem® data for your review. Additional data details are available for purchase if you require them.

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Your confidence in our CompuChem® service is appreciated. We look forward to a continuing association.

Sincerely,

Pamela S. Carrington

Pamela S. Carrington
Manager, Report Preparation

Enclosure:

Report: 41155 - 37239

DATA REPORT NOTICE

CompuChem employs Methods 624 and 625 for GC/MS analysis of organics in liquid matrices. These methods were proposed on December 3, 1979 by the U.S.E.P.A. in Volume 44 of the Federal Register. These methods were subsequently revised and reissued in July, 1982 as publication EPA-600/4-82-057. The EPA Environmental Monitoring and Support Laboratory (EMSL-Cincinnati) has subsequently issued method modifications which provide for the analysis of solid matrices. These modifications specify changes in the sample preparation procedures.

Additionally, for solid samples detection limits and any analytical results reported are based on processing the method specified sample size of as-received material.

The referenced methods are no longer appropriate for several of the original priority pollutant compounds. This is due to either the deletion from the toxic pollutant list (40 CFR Part 401) by EPA or the determination by EPA that the referenced methods may not be optimized for certain compounds (EPA-600/4-82-057) originally incorporated by the methods.

CompuChem® presents these compounds in its sample data report for completeness as many of the government compound list forms continue to display the affected compounds. For consistency, these compounds are reported as "BDL" or "Below Detection Limit" as they are either not likely to exist in the sample or are not likely to be detected by the method. Those compounds which have actually been deleted are listed below with the Federal Register deletion reference.

Compound Name	GC/MS Fraction	Federal Register	Date
Dichlorodifluoromethane	Volatile	46FR2264	1/8/81
*Trichlorofluoromethane	Volatile	46FR2264	1/8/81
Bis(Chloromethyl)Ether	Volatile	46FR10723	2/4/81

*While this compound has been deleted, CompuChem® continues to identify and quantitate for it.

COMPUCHEM
LABORATORIES

REPORT OF DATA

SAMPLE IDENTIFIER: 41155

COMPUCHEM SAMPLE NUMBER: 37239

SUBMITTED TO:

Ms. Cheryl Daniel
Centec
2160 Industrial Drive
Salem, VA 24153

Diana A. Scammell
DIANA A. SCAMMELL
TECHNICAL SPECIALIST, OPERATIONS

R. L. MYERS, PH.D., PRESIDENT

ROBERT E. MEIERER
DIRECTOR OF QUALITY ASSURANCE

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41155
COMPUCHEM SAMPLE NUMBER: 37239

	Date
Received/Refrigerated	10-24-84
Organics	
Extracted	10-25-84
Analyzed	
1. Volatiles	Not Requested
2. Acid	10-31-84
3. Base/Neutrals	11-01-84
4. Pesticides/PCBS	11-01-84
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenols	Not Requested

COMPOUND LIST -- ACID EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41155
COMPUCHEM SAMPLE NUMBER: 37239

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

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41155
COMPUCHEM SAMPLE NUMBER: 37239

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1B.	N-NITROSODIMETHYLAMINE	BDL	10
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	10
3B.	1,3-DICHLOROBENZENE	BDL	10
4B.	1,4-DICHLOROBENZENE	BDL	10
5B.	1,2-DICHLOROBENZENE	BDL	10
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	10
7B.	HEXACHLOROETHANE	BDL	10
8B.	N-NITROSODI-N-PROPYLAMINE	BDL	10
9B.	NITROBENZENE	BDL	10
10B.	ISOPHORONE	BDL	10
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	10
12B.	1,2,4-TRICHLOROBENZENE	BDL	10
13B.	NAPHTHALENE	BDL	10
14B.	HEXACHLOROBUTADIENE	BDL	10
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	10
16B.	2-CHLORONAPHTHALENE	BDL	10
17B.	DIMETHYLPHTHALATE	BDL	10
18B.	ACENAPHTHYLENE	BDL	10
19B.	2,6-DINITROTOLUENE	BDL	10
20B.	ACENAPHTHENE	BDL	10
21B.	2,4-DINITROTOLUENE	BDL	10
22B.	DIETHYLPHTHALATE	BDL	10
23B.	FLUORENE	BDL	10
24B.	4-CHLOROPHENYL PHENYL ETHER	BDL	10
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	10
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	10
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	10
28B.	HEXACHLOROBENZENE	BDL	10

(Continued)

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS (Page Two)

SAMPLE IDENTIFIER: 41155
COMPUCHEM SAMPLE NUMBER: 37239

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
29B.	PHENANTHRENE	BDL	10
30B.	ANTHRACENE	BDL	10
31B.	DI-N-BUTYLPHTHALATE	BDL	10
32B.	FLUORANTHENE	BDL	10
33B.	BENZIDINE	BDL	10
34B.	PYRENE	BDL	10
35B.	BUTYLBENZYLPHTHALATE	BDL	10
36B.	BENZO(A)ANTHRACENE	BDL	10
37B.	3,3'-DICHLOROBENZIDINE	BDL	10
38B.	CHRYSENE	BDL	10
39B.	BIS(2-ETHYLHEXYL)PHTHALATE	BDL	10
40B.	DI-N-OCTYLPHTHALATE	BDL	10
41B.	BENZO(B)FLUORANTHENE	BDL	10
42B.	BENZO(K)FLUORANTHENE	BDL	10
43B.	BENZO(A)PYRENE	BDL	10
44B.	INDENO(1,2,3-C,D)PYRENE	BDL	25
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COMPOUND LIST -- PESTICIDES/PCB'S

SAMPLE IDENTIFIER: 41155
COMPUCHEM SAMPLE NUMBER: 37239

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
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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COMPUCHEM
LABORATORIES

November 15, 1984

Ms. Cheryl Daniel
Centec
2160 Industrial Drive
Salem, VA 24153

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Sincerely,

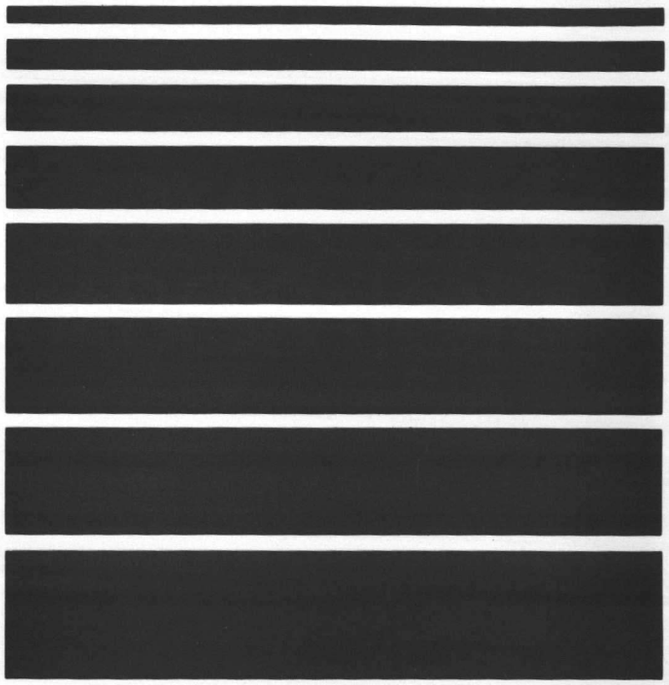
Mary Mitchell for

Pamela S. Carrington
Manager, Report Preparation

Enclosure:

Report: 41150 - 37233
41153 - 37237
41154 - 37238

COMPUCHEM
LABORATORIES



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*Trichlorofluoromethane	Volatile	46FR2264	1/8/81
Bis(Chloromethyl)Ether	Volatile	46FR10723	2/4/81

*While this compound has been deleted, CompuChem® continues to identify and quantitate for it.

COMPUCHEM LABORATORIES

REPORT OF DATA

SAMPLE IDENTIFIER: 41150	COMPUCHEM SAMPLE NUMBER: 37233
41153	37237
41154	37238

SUBMITTED TO:

Ms. Cheryl Daniel
Centec
2160 Industrial Drive
Salem, VA 24153

Diana A. Scammell
DIANA A. SCAMMELL
TECHNICAL SPECIALIST, OPERATIONS

R. L. MYERS, PH.D., PRESIDENT

ROBERT E. MEIERER
DIRECTOR OF QUALITY ASSURANCE

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41150
COMPUCHEM SAMPLE NUMBER: 37233

	Date
Received/Refrigerated	10/24/84
Organics	
Extracted	10/25/84
Analyzed	
1. Volatiles	Not Requested
2. Acids	10/31/84
3. Base/Neutrals	10/31/84
4. Pesticides/PCBS	10/31/84
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenol	Not Requested

COMPOUND LIST -- ACID EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41150
COMPUCHEM SAMPLE NUMBER: 37233

		CONCENTRATION (UG/L)	DETECTION* LIMIT (UG/L)
1A.	PHENOL	BDL	60
2A.	2-CHLOROPHENOL	BDL	60
3A.	2-NITROPHENOL	BDL	60
4A.	2,4-DIMETHYLPHENOL	BDL	60
5A.	2,4-DICHLOROPHENOL	BDL	60
6A.	P-CHLORO-M-CRESOL	BDL	60
7A.	2,4,6-TRICHLOROPHENOL	BDL	60
8A.	2,4-DINITROPHENOL	BDL	600
9A.	4-NITROPHENOL	BDL	60
10A.	4,6-DINITRO-O-CRESOL	BDL	600
11A.	PENTACHLOROPHENOL	BDL	60

BDL=BELOW DETECTION LIMIT
*Less than the required volume of sample was available for extraction, thus, higher than normal detection limits.

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41150
COMPUCHEM SAMPLE NUMBER: 37233

		CONCENTRATION (UG/L)	DETECTION* LIMIT (UG/L)
1B.	N-NITROSODIMETHYLAMINE	BDL	25
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	25
3B.	1,3-DICHLOROBENZENE	BDL	25
4B.	1,4-DICHLOROBENZENE	BDL	25
5B.	1,2-DICHLOROBENZENE	BDL	25
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	25
7B.	HEXACHLOROETHANE	BDL	25
8B.	N-NITROSODI-N-PROPYLAMINE	BDL	25
9B.	NITROBENZENE	BDL	25
10B.	ISOPHORONE	BDL	25
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	25
12B.	1,2,4-TRICHLOROBENZENE	BDL	25
13B.	NAPHTHALENE	BDL	25
14B.	HEXACHLOROBUTADIENE	BDL	25
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	25
16B.	2-CHLORONAPHTHALENE	BDL	25
17B.	DIMETHYLPHTHALATE	BDL	25
18B.	ACENAPHTHYLENE	BDL	25
19B.	2,6-DINITROTOLUENE	BDL	25
20B.	ACENAPHTHENE	BDL	25
21B.	2,4-DINITROTOLUENE	BDL	25
22B.	DIETHYLPHTHALATE	BDL	25
23B.	FLUORENE	BDL	25
24B.	4-CHLOROPHENYL PHENYL ETHER	BDL	25
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	25
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	25
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	25
28B.	HEXACHLOROBENZENE	BDL	25

(Continued)

BDL=BELOW DETECTION LIMIT
*Less than the required volume of sample was available for extraction, thus, higher than normal detection limits.

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS (Page Two)

SAMPLE IDENTIFIER: 41150
COMPUCHEM SAMPLE NUMBER: 37233

		CONCENTRATION (UG/L)	DETECTION* LIMIT (UG/L)
29B.	PHENANTHRENE	BDL	25
30B.	ANTHRACENE	BDL	25
31B.	DI-N-BUTYLPHTHALATE	BDL	25
32B.	FLUORANTHENE	BDL	25
33B.	BENZIDINE	BDL	25
34B.	PYRENE	BDL	25
35B.	BUTYLBENZYLPHTHALATE	BDL	25
36B.	BENZO(A)ANTHRACENE	BDL	25
37B.	3,3'-DICHLOROBENZIDINE	BDL	25
38B.	CHRYSENE	BDL	25
39B.	BIS(2-ETHYLHEXYL)PHTHALATE	BDL	25
40B.	DI-N-OCTYLPHTHALATE	BDL	25
41B.	BENZO(B)FLUORANTHENE	BDL	25
42B.	BENZO(K)FLUORANTHENE	BDL	25
43B.	BENZO(A)PYRENE	BDL	25
44B.	INDENO(1,2,3-C,D)PYRENE	BDL	60
45B.	DIBENZO(A,H)ANTHRACENE	BDL	60
46B.	BENZO(G,H,I)PERYLENE	BDL	60

BDL=BELOW DETECTION LIMIT
*Less than the required volume of sample was available for extraction, thus, higher than normal detection limits.

COMPOUND LIST -- PESTICIDES/PCB'S

SAMPLE IDENTIFIER: 41150
COMPUCHEM SAMPLE NUMBER: 37233

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

BDL=BELOW DETECTION LIMIT
*Less than the required volume of sample was available for extraction, thus, higher than normal detection limits.

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41153
COMPUCHEM SAMPLE NUMBER: 37237

	Date
Received/Refrigerated	10/24/84
Organics	
Extracted	10/25/84
Analyzed	
1. Volatiles	Not Requested
2. Acids	10/31/84
3. Base/Neutrals	11/01/84
4. Pesticides/PCBS	11/01/84
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenol	Not Requested

COMPOUND LIST -- ACID EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41153
COMPUCHEM SAMPLE NUMBER: 37237

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

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41153
COMPUCHEM SAMPLE NUMBER: 37237

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1B.	N-NITROSODIMETHYLAMINE	BDL	10
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	10
3B.	1,3-DICHLOROBENZENE	BDL	10
4B.	1,4-DICHLOROBENZENE	BDL	10
5B.	1,2-DICHLOROBENZENE	BDL	10
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	10
7B.	HEXACHLOROETHANE	BDL	10
8B.	N-NITROSODI-N-PROPYLAMINE	BDL	10
9B.	NITROBENZENE	BDL	10
10B.	ISOPHORONE	BDL	10
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	10
12B.	1,2,4-TRICHLOROBENZENE	BDL	10
13B.	NAPHTHALENE	BDL	10
14B.	HEXACHLOROBUTADIENE	BDL	10
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	10
16B.	2-CHLORONAPHTHALENE	BDL	10
17B.	DIMETHYLPHTHALATE	BDL	10
18B.	ACENAPHTHYLENE	BDL	10
19B.	2,6-DINITROTOLUENE	BDL	10
20B.	ACENAPHTHENE	BDL	10
21B.	2,4-DINITROTOLUENE	BDL	10
22B.	DIETHYLPHTHALATE	BDL	10
23B.	FLUORENE	BDL	10
24B.	4-CHLOROPHENYL PHENYL ETHER	BDL	10
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	10
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	10
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	10
28B.	HEXACHLOROBENZENE	BDL	10

(Continued)

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS (Page Two)

SAMPLE IDENTIFIER: 41153
COMPUCHEM SAMPLE NUMBER: 37237

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
29B.	PHENANTHRENE	BDL	10
30B.	ANTHRACENE	BDL	10
31B.	DI-N-BUTYLPHTHALATE	BDL	10
32B.	FLUORANTHENE	BDL	10
33B.	BENZIDINE	BDL	10
34B.	PYRENE	BDL	10
35B.	BUTYLBENZYLPHTHALATE	BDL	10
36B.	BENZO(A)ANTHRACENE	BDL	10
37B.	3,3'-DICHLOROBENZIDINE	BDL	10
38B.	CHRYSENE	BDL	10
39B.	BIS(2-ETHYLHEXYL)PHTHALATE	11	10
40B.	DI-N-OCTYLPHTHALATE	BDL	10
41B.	BENZO(B)FLUORANTHENE	BDL	10
42B.	BENZO(K)FLUORANTHENE	BDL	10
43B.	BENZO(A)PYRENE	BDL	10
44B.	INDENO(1,2,3-C,D)PYRENE	BDL	25
45B.	DIBENZO(A,H)ANTHRACENE	BDL	25
46B.	BENZO(G,H,I)PERYLENE	BDL	25

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- PESTICIDES/PCB'S

SAMPLE IDENTIFIER: 41153
COMPUCHEM SAMPLE NUMBER: 37237

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
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

BDL=BELOW DETECTION LIMIT

LABORATORY CHRONICLE

SAMPLE IDENTIFIER: 41154
COMPUCHEM SAMPLE NUMBER: 37238

	Date
Received/Refrigerated	10/24/84
Organics	
Extracted	10/25/84
Analyzed	
1. Volatiles	Not Requested
2. Acids	10/31/84
3. Base/Neutrals	11/01/84
4. Pesticides/PCBS	11/01/84
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenol	Not Requested

Blood Sample

LABORATORY REPORT FILE

SAMPLE IDENTIFIER: 4154
COMPOUNDED SAMPLE NUMBER: 17/39

	Date
Received/Registered	10/24/84
Prepared	
Extracted	10/25/84
Analyzed	
1. Volatiles	Not Requested
2. Acids	10/31/84
3. Base/Neutrals	11/01/84
4. Pesticides/PCBs	11/01/84
Inorganics	
1. Metals	Not Requested
2. Cyanide	Not Requested
3. Phenol	Not Requested

COMPOUND LIST -- ACID EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41154
COMPUCHEM SAMPLE NUMBER: 37238

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

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS

SAMPLE IDENTIFIER: 41154
COMPUCHEM SAMPLE NUMBER: 37238

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1B.	N-NITROSODIMETHYLAMINE	BDL	10
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	10
3B.	1,3-DICHLOROBENZENE	BDL	10
4B.	1,4-DICHLOROBENZENE	BDL	10
5B.	1,2-DICHLOROBENZENE	BDL	10
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	10
7B.	HEXACHLOROETHANE	BDL	10
8B.	N-NITROSODI-N-PROPYLAMINE	BDL	10
9B.	NITROBENZENE	BDL	10
10B.	ISOPHORONE	BDL	10
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	10
12B.	1,2,4-TRICHLOROBENZENE	BDL	10
13B.	NAPHTHALENE	BDL	10
14B.	HEXACHLOROBUTADIENE	BDL	10
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	10
16B.	2-CHLORONAPHTHALENE	BDL	10
17B.	DIMETHYLPHTHALATE	BDL	10
18B.	ACENAPHTHYLENE	BDL	10
19B.	2,6-DINITROTOLUENE	BDL	10
20B.	ACENAPHTHENE	BDL	10
21B.	2,4-DINITROTOLUENE	BDL	10
22B.	DIETHYLPHTHALATE	BDL	10
23B.	FLUORENE	BDL	10
24B.	4-CHLOROPHENYL PHENYL ETHER	BDL	10
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	10
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	10
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	10
28B.	HEXACHLOROBENZENE	BDL	10

(Continued)

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLE ORGANICS (Page Two)

SAMPLE IDENTIFIER: 41154
COMPUCHEM SAMPLE NUMBER: 37238

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
29B.	PHENANTHRENE	BDL	10
30B.	ANTHRACENE	BDL	10
31B.	DI-N-BUTYLPHTHALATE	BDL	10
32B.	FLUORANTHENE	BDL	10
33B.	BENZIDINE	BDL	10
34B.	PYRENE	BDL	10
35B.	BUTYLBENZYLPHTHALATE	BDL	10
36B.	BENZO(A)ANTHRACENE	BDL	10
37B.	3,3'-DICHLOROBENZIDINE	BDL	10
38B.	CHRYSENE	BDL	10
39B.	BIS(2-ETHYLHEXYL)PHTHALATE	13	10
40B.	DI-N-OCTYLPHTHALATE	BDL	10
41B.	BENZO(B)FLUORANTHENE	BDL	10
42B.	BENZO(K)FLUORANTHENE	BDL	10
43B.	BENZO(A)PYRENE	BDL	10
44B.	INDENO(1,2,3-C,D)PYRENE	BDL	25
45B.	DIBENZO(A,H)ANTHRACENE	BDL	25
46B.	BENZO(G,H,I)PERYLENE	BDL	25

BDL=BELOW DETECTION LIMIT

COMPOUND LIST -- PESTICIDES/PCB'S

SAMPLE IDENTIFIER: 41154
COMPUCHEM SAMPLE NUMBER: 37238

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
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

BDL=BELOW DETECTION LIMIT

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
19.	ALDRIN	BDL	10
20.	ALPHA-BHC	BDL	10
21.	BETA-BHC	BDL	10
22.	GAMMA-BHC	BDL	10
23.	DELTA-BHC	BDL	10
24.	CHLORDANE	BDL	10
25.	4,4'-DDT	BDL	10
26.	4,4'-DDE	BDL	10
27.	4,4'-DDD	BDL	10
28.	DIELDRIN	BDL	10
29.	ALPHA-ENDOSULFAN	BDL	10
30.	BETA-ENDOSULFAN	BDL	10
31.	ENDOSULFAN SULFATE	BDL	10
32.	ENDRIN	BDL	10
33.	ENDRIN ALDEHYDE	BDL	10
34.	HEPTACHLOR	BDL	10
35.	HEPTACHLOR EPOXIDE	BDL	10
36.	PCB-1242	BDL	10
37.	PCB-1254	BDL	10
38.	PCB-1221	BDL	10
39.	PCB-1232	BDL	10
40.	PCB-1248	BDL	10
41.	PCB-1260	BDL	10
42.	PCB-1016	BDL	10
43.	TOXAPHENE	BDL	10

BDL=BELOW DETECTION LIMIT

UNITED STATES MARINE CORPS
Natural Resources and Environmental Affairs Division
Marine Corps Base
Camp Lejeune, North Carolina 29542

IN REPLY REFER TO:
5200
NREAD
22 August 1984

From: Director, Natural Resources and Environmental Affairs Division
To: Traffic Management Officer, Marine Corps Base, Camp Lejeune

Subj: TRANSPORTATION OF LABORATORY SAMPLES; REQUEST FOR

1. Request shipment of 20 water samples by bus to CENTEC, Post Office Box 956, 2160 Industrial Drive, Salem, Virginia 24153. Point of contact Dave Thompkins, telephone (703) 387-3995.

P. E. Black

P. E. BLACK
Acting

TCN: M31000 4235 0238 XXX


RECEIVED
AUG 29 1984
PPSP

PACKAGING AND PRESERVATION WORK REQUEST

MCBCL 4030 (REV 3-70)

TO: PRESERVATION, PACKAGING AND PACKING BRANCH, MOWASP DIV., BMATBN, MCB, CLNC

FROM (UNIT)	DATE	UNIT PRIORITY DESIGNATOR
Quality Control Laboratory Natural Resources & EnvironAffairsDiv	22 August 1984	ASAP
PERSON FAMILIAR WITH WORK REQUESTED	**PHONE**	**BLDG NO.**
Ms. Elizabeth Betz	451-5977	65

FOLLOWING WORK IS REQUESTED

Package seven gallon jars, six quart jars and seven vials for shipment by bus by Freight Traffic

TYPE WORK REQUESTED (X)	
(•)PACKAGE AND PRESERVE ☐ LEVEL ☐ A ☐ B ☐ C	(•)PACK ☐ LEVEL ☐ A ☐ B ☐ C
CONSTRUCT BOXES ☐ CRATES ☐	PAINT AND MARK ☐ TACTICAL MARK ☐ YES ☐ NO

DETAILS (LIST INSIDE DIMENSIONS IF CONSTRUCTION IS DESIRED; COLOR OF PAINT, PATTERN AND NUMBER OF TACTICAL MARK, ANY SPECIAL INSTRUCTIONS)

Container(s) must be insulated and large enough to hold samples and ice sufficient to keep samples cool for 32 hours. Ice will be provided by Laboratory.

BA432 0525 3228 T/4

J A Buck

DEAD LINE DELIVERY DATE	WR NO.	SIGNATURE
23 August 1984		ELIZABETH BETZ

Spaces On and Below This Line For P&P Use Only	JON CHARGEABLE	P&P CONTROL NO.

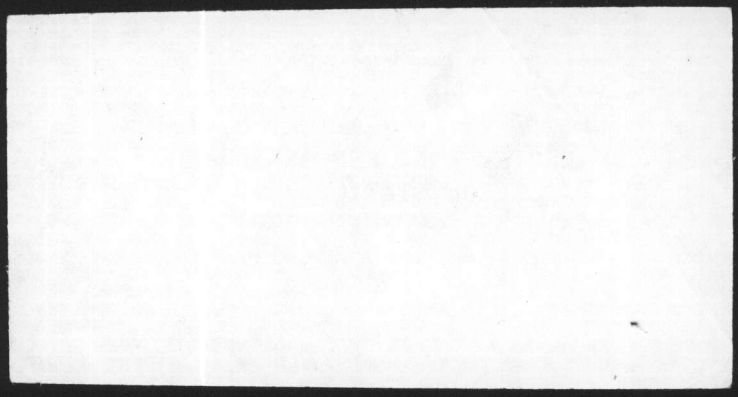
WORK MEASUREMENT INFO PROJ 12				WORK MEASUREMENT INFO PROJ 11 & 94 TOTALS (LESS PROJ 12).			
NO. OF ITEMS	TONS	NO. OF PKGS		CUBE	WEIGHT	VEHICLES	BOXES BUILT

RECEIVED AUG 23 1984 P&P

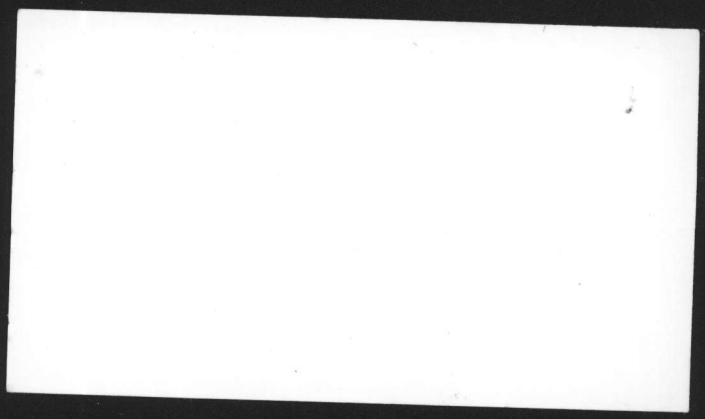
IF SPACES MARKED WITH AN ASTERISK (•) ARE FILLED IN, COMPLETE REVERSE SIDE


RECEIVED
AUG 22 1994

LARRY F. BRANNEN
US-EPA
ENVIRONMENTAL SERVICES DIVISION
ENGINEERING SUPPORT BRANCH
COLLEGE STATION ROAD
ATHENS, GEORGIA 30613
1-404-546-3588/3117
FTS: 250-3588



W. E. ROWE, ENVIRONMENTAL ENGINEER
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
~~ENFORCEMENT DIVISION~~
Fed Act Coor.
3776
TELEPHONE: 404/881-~~4298~~
FTS/257-~~4298~~
3776
345 COURTLAND ST., N.E.
ATLANTA, GA 30365



Betsy: I will be using This form to make Assignments to you, Ken and New Soil Cons. Tech.

UNITED STATES MARINE CORPS
Resources and Environmental Affairs Division
Marine Corps Base
Camp Lejeune, North Carolina 29542

IN REPLY REFER TO:
5200
NREAD
24 July 1984

logist
mist

...at the work described in paragraph 2 below be completed not later than 3August 1984.

2. Description of assignment: Collect samples of effluent from applicable point sources as required for renewal of NPDES Permit, Ship samples to Centec Laboratories.

3. Please notify supervisor of any problems incurred relative to meeting deadline.

D Sharpe
D. D. SHARPE

1680.50

9376011

Betsy

UNITED STATES MARINE CORPS
Natural Resources and Environmental Affairs Division
Marine Corps Base
Camp Lejeune, North Carolina 29542

IN REPLY REFER TO:
5200
NREAD
24 July 1984

From: Supervisory Ecologist
To: Supervisory Chemist

Subj: WORK ASSIGNMENT

1. It is requested that the work described in paragraph 2 below be completed not later than 3August 1984.

2. Description of assignment: Collect samples of effluent from applicable point sources as required for renewal of NPDES Permit, ship samples to Centec Laboratories.

3. Please notify supervisor of any problems incurred relative to meeting deadline.

D Sharpe
D. D. SHARPE

1680.50

937H011

Betsy

PAUL
PARKER — 564-9559

→ COMPOSITE (24 HR)

→ GRAB

OUR APPLICATION ?
FORM

MIN. 8 @ 100 ml

CENTEC 703-387-3995

Ref Sample Sheet 270 (CENTEC)

POC Dave Thengkins

ICING for shipment

VOA - Vials 100 ML

US NAVY Contr N62470-82-7867

Water Plant
(Believed absent) for priority pollutants.

→ MCAS pool
Heating Plant (MAIN PLANT / BLDG DOWN) → PLAN
→ Bld. 1450

SEWAGE EFFLUENT - { 4 MASON JARS / 1 VOA - VIALS
COAL PILE RUNOFF
WATER EFFLUENT - { 2 MASON JARS
(BACKWASH)

WATER TREATMENT @ ONSLOW BEACH

TOC
RE-NITRATE
FLUORIDES

CENTEC
P.O Box 956
2160 INDUSTRIAL Dr.
SALEM, VA 24153

DAVID

UNITED STATES MARINE CORPS
Natural Resources and Environmental Affairs Division
Marine Corps Base
Camp Lejeune, North Carolina 29542

IN REPLY REFER TO:
5200
NREAD
30 Aug 1984

From: Director, Natural Resources and Environmental Affairs Division
To: Traffic Management Officer, Marine Corps Base, Camp Lejeune, North Carolina

Subj: TRANSPORTATION OF LABORATORY SAMPLES; REQUEST FOR

1. Request shipment of one carton containing two vials of water by bus to CENTEC, Post Office Box 956, 2160 Industrial Drive, Salem, Virginia 24153. Point of contact, Dave Thompkins, telephone (703)-387-3995.

J. I. WOOTEN

TCN: M31000 4243 0245 XXX

AUG 30 1984
PP&P

PACKAGING AND PRESERVATION WORK REQUEST

MCBCL 4030 (REV 3 - 70)

TO: PRESERVATION, PACKAGING AND PACKING BRANCH, MOWASP DIV., BMATBN, MCB, CLNC

FROM (UNIT)	DATE	UNIT PRIORITY DESIGNATOR
Quality Control Laboratory, NREAD	30 Aug 1984	ASAP
PERSON FAMILIAR WITH WORK REQUESTED	**PHONE**	**BLDG NO.**
Elizabeth Betz	5977	65

FOLLOWING WORK IS REQUESTED

Package two vials for shipment by bus by Freight Traffic

TYPE WORK REQUESTED (X)	
(•)PACKAGE AND PRESERVE ☐ LEVEL ☐ A ☐ B ☐ C	(•)PACK ☐ LEVEL ☐ A ☐ B ☐ C
CONSTRUCT BOXES ☐ CRATES ☐	PAINT AND MARK ☐ TACTICAL MARK ☐ YES ☐ NO

DETAILS (LIST INSIDE DIMENSIONS IF CONSTRUCTION IS DESIRED; COLOR OF PAINT, PATTERN AND NUMBER OF TACTICAL MARK, ANY SPECIAL INSTRUCTIONS)

Container must be insulated and large enough to hold samples and ice sufficient to keep samples cool for 32 hours. Ice will be provided by Laboratory.

AA4 32 0527 3228 T/4

DEAD LINE DELIVERY DATE	WR NO.	SIGNATURE
30 Aug 1984		ELIZABETH BETZ

Spaces On and Below This Line For P&P Use Only	JON CHARGEABLE	P&P CONTROL NO.

WORK MEASUREMENT INFO PROJ 12				WORK MEASUREMENT INFO PROJ 11 & 94 TOTALS (LESS PROJ 12)			
NO. OF ITEMS	TONS	NO. OF PKGS		CUBE	WEIGHT	VEHICLES	BOXES BUILT

AUG 30 1984 P&P

IF SPACES MARKED WITH AN ASTERISK (•) ARE FILLED IN, COMPLETE REVERSE SIDE

Oil and Grease Analysis

Collected: 14 March 1985 Analyzed: 15 March 1985

Collected by: Huneycutt & Barbee Analyzed by: Huneycutt

Procedure: Gravimetric, Separatory Funnel Extraction

Reference: Method 413.1, EPA Methods for Chemical Analysis of Water and Wastes, March 1983

Plant	O&G, mg/l
Camp Geiger	<0.2
Tarawa Terrace	2.0
Camp Johnson	0.6
Hdnot Point	1.8
Rifle Range	<0.2
Courthouse Bay	<0.2
Onslow Beach	0.4

Report Date: 19 March 1985 Report By: Elizabeth Betz

QUALITY CONTROL LAB - STORM SEWER DISCHARGES - WORK SHEET

MCBCL 11345/7

				TOTAL SUSPENDED SOLIDS (TSS)							OIL AND GREASE					
DATE COLLECTED	STORM SEWER NUMBER	FLOW RATE GALLONS PER DAY	SAMPLE COLLECTOR	DISH NUMBER	ml SAMPLE	DISH & SOLID	DISH	WEIGHT GAIN	TSS mg/l	ANALYST	FLASK NUMBER	FLASK & OIL	FLASK	mg/l OIL	ANALYST	pH
3/14/85	~~SD-~~ OB	WWTP	Honeycutt Barbee								6	78 5005	78 4999	0.4	H	
	SD- HP	WWTP									3	78 5650	78 5630	1.8		
	SD- CJ	WWTP									4	28 1341	28 1333	0.6		
	SD- TT	WWTP									5	68 4318	68 4296	2.0		
	SD- CHB	WWTP									8	78 8045	78 8064	0.0		
	SD- CG	WWTP									7	79 1371	79 1371	0.0		
	SD- RR	WWTP									9	78 4477	78 4486	0.0		
	~~SD~~ Blank										1	29 1175	29 1173	0.2		
	~~SD~~ Standard										10	78 1264	28 1008	25.6		
	SD-															
	SD-										Mg/L adjusted for					
	SD-															
	SD-										Blank		(H)			
	SD-															
	SD-															
	SD-															
	SD-															
	SD-															
	SD-															