

112179



FRANKLIN ANALYTICAL LABORATORIES

A DIVISION OF NASSAUX-HEMSLEY INCORPORATED

N.H.L. Building

50 N. Second Street • Chambersburg, Pennsylvania 17201

Tele. (717) 263-5

ORGANIC CHEMISTRY LABORATORY REPORT

W.P.

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.03 (3) JOB NO. 84LB01.27
CLIENT Union Township Supervisors' PROJECT MGR. Ralph Matter

% Louis E. Hilker, 515 Chestnut Hill
Rd. Hanover, PA. 17331

Stump Sample #1
CLOSE TO ENTRANCE
AT CLOUSER ROAD - LOWER SI
CONCENTRATION

COMPOUND

VOC SCAN

at bridge leaving the landfill

1 1 1 TCE	19.77 PPB
Trichlorofluoromethane	5 PPT
1 2 Dichloroethane	6 PPB
1 1 2 TCE	16 PPB

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR
ARIC0010



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.4 (4) JOB NO. 84LB01.27
CLIENT Union Township Supervisors PROJECT MGR. Ralph Matter

8 Louis E. Hilker, 515 Chestnut
Hill Rd., Hanover, PA. 17331

Stream Sample #2
BETWEEN CLOUSHER'S and Mr.

COMPOUND

CONCENTRATION

VOC SCAN

at bridge with white rails

1 1 1 TCE	11 PPB
Trichlorofluoromethane	637 PPT
1 2 Dichloroethane	8 PPB
1 1 Dichloroethane	6 PPB
1 1 2 TCE	9 PPB

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR
AR 100011



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 23, 1984

LAB NO. 909.05 (5)

JOB NO. 84LE01.27

CLIENT Union Township Supervisors PROJECT MGR. Ralph Matter

% Louis K. Hilker, 515 Chest-

nut Hill Rd., Hanover, PA. 17331

COMPOUND

*Stream Sample # 3 at
end of meadow, next to S*
CONCENTRATION

VOC SCAN

Stream at Bentzal Farm

1. 1 1 1 TCE	11 PPB
2. Trichlorofluoromethane	984 PPT
3. 1 2 Dichloroethane	7 PPB
4. 1 1 2 TCE	5 PPB
5. 1 1 Dichloroethane	12 PPB

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR
ART00012



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 23, 1984

LAB NO. 909.07 (7)

JOB NO. 84LB01.27

CLIENT Union Township Supervisors

PROJECT MGR. Ralph Matter

8 Louis K. Hilker, 515 Chest-
nut Hill Hanover, PA. 17331

*Stream Sample #4 in w.o.
Chestnut Hill Road at Minor B*

COMPOUND

CONCENTRATION

VOC at Minor Bridge

No VOC'S Detected

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

AR100013



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ORGANIC CHEMISTRYLABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.14 (14) JOB NO. 84LB01.27
CLIENT Adam Lockner, 428 Line Road PROJECT MGR. Ralph Matter
Littlestown, Pa. 17340

COMPOUNDCONCENTRATION

Carbon tetrachloride	2 PPB
Trichlorofluoromethane	453 PPT
1,2 Dichloroethane	4 PPB
Fecal Coliforms	0/100ml

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter
LABORATORY DIRECTOR



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 21, 1984 DATE REPORTED February 23, 1984

LAB NO. 913.1 (1) Water Sample JOB NO. 84LB01.27

CLIENT Mr. Gelman, 214 Clouser PROJECT MGR. Ralph Matter

Road - Hanover, PA. 17331

*lane through woods just
Mike's (on right)*

<u>COMPOUND</u>	<u>CONCENTRATION</u>
Fecal Coliform	0/100ml
Carbon tetrachloride	5 PPB
Trichlorofluoromethane	864 PPT
1 2 Dichloroethane	13 PPB

Instrument Perkin-Elmer 115
Method 2-MS G
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

AR100015



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 21, 1984 DATE REPORTED February 23, 1984
LAB NO. 913.4 JOB NO. 84LB01.27
CLIENT Joseph Lee, 239 George- PROJECT MGR. Ralph Matter
town - Littlestown, PA. 17340

COMPOUND

CONCENTRATION

Fecal Coliform

0/100ml

1 1 1 TCE

11 PPB

12 Dichloroethylene

5.5

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H2O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

AR100016



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 21, 1984

DATE REPORTED February 23, 1984

LAB NO. 913.2 (2)

JOB NO. 84LB01.27

CLIENT Lewis Hillard, 1897
Hanover Pike, Littleton,
PA. 17340

PROJECT MGR. Ralph P. Matter, Jr.

COMPOUND

CONCENTRATION

1. Chloromethane	1. NO
2. Methanol	2. NO
3. Bromomethane	3. NO
4. Vinyl chloride & Dichlorodifluoromethane	4. NO
5. Chloroethane	5. NO
6. Methylene chloride	6. NO
7. Trichlorofluoromethane	7. NO
8. 1,1-Dichloroethylene	8. NO
9. Bromochloromethane	9. NO
10. 1,1-Dichloroethane	10. NO
11. trans-1,2-Dichloroethylene	11. NO
12. Chloroform	12. NO
13. 1,2-Dichloroethane	13. C 2 PPB
14. 1,1,1-Trichloroethane	14. 5.4 PPB
15. Carbon tetrachloride	15. 5.4 PPB
16. Bromodichloromethane	16. NO
17. 1,2-Dichloropropane	17. NO
18. trans-1,3-Dichloropropene	18. NO
19. Trichloroethylene	19. NO
20. Benzene	20. NO
21. cis-1,3-Dichloropropene	21. NO
1,1,2-Trichloroethane, & Chlorodibromomethane	
22. 1-Chloro-2-bromopropane (1s)	22. NO
23. 2-Chloroethyl vinyl ether	23. NO
24. Bromoform	24. NO
25. 1,1,2,2-Tetrachloroethylene & 1,1,2,2-Tetrachloroethane	25. NO
26. 1,4-Dichlorobutane (1s)	26. NO
27. Toluene	27. NO
28. Chlorobenzene	28. NO
29. Ethylbenzene	29. NO

Instrument PE 115

Method EPA 624

Sample Prep Direct

Solvent H₂O

Analyst

Ralph P. Matter, Jr.
Ralph P. Matter, Jr.

LABORATORY DIRECTOR

AR100017



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 21, 1984 DATE REPORTED February 23, 1984

LAB NO. 913.2 (2) Water Sample JOB NO. 84LB01.27

CLIENT Lewis Hillard, 1897 Hanover PROJECT MGR. Ralph Matter

Pike, Littleton, PA. 17340

COMPOUND

CONCENTRATION

Before Water Softner Fecal Coliform 0/100ml

After Water Softner Fecal Coliform 0/100ml

Instrument Perkin-Elmer 115

Analyst Ralph Matter

Method plate, incubation

Sample Prep

Solvent

Ralph Matter
AR100018 LABORATORY DIRECTOR



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.13 (13) JOB NO. 84LB01.27
CLIENT Carol Maher, 468 Line Road PROJECT MGR. Ralph Matter
Littlestown, PA. 17340

COMPOUND

CONCENTRATION

Carbon tetrachloride

4 PPB

Trichlorofluoromethane

136 PPT

1 2 Dichloroethane

5 PPB

Fecal Coliforms

0/100ml

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter

R. L. Matter
LABORATORY DIRECTOR

AR100019



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 23, 1984

LAB NO. 909.17 (17)

JOB NO. 84LB01.27

CLIENT Kenneth Hall, 292 Barts

PROJECT MGR. Ralph Matter

Church Rd., Hanover, PA. 17331

COMPOUND

CONCENTRATION

1 1 1 TCE

17 PPB

Trichlorofluoromethane

117 PPT

1 1 Dichloroethane

4.5

1 2 Dichloroethane

6.1

Fecal Coliforms

0/100ml

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

AR100020



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 23, 198

LAB NO. 909.12 (12)

JOB NO. 84LB01.27

CLIENT Dorthy Willow, 125 Clouser Road, Hanover, PA. 17331

PROJECT MGR. Ralph P. Matter, Jr.

COMPOUND	CONCENTRATION
1. Chloromethane	1. NO
2. Methanol	2. NO
3. Bromomethane	3. NO
4. Vinyl chloride & Dichlorodifluoromethane	4. NO
5. Chloroethane	5. NO
6. Methylene chloride	6. NO
7. Trichlorofluoromethane	7. 121 PPB
8. 1,1-Dichloroethylene	8. NO
9. Bromochloromethane	9. NO
10. 1,1-Dichloroethane	10. 9 PPB
11. trans-1,2-Dichloroethylene	11. NO
12. Chloroform	12. NO
13. 1,2-Dichloroethane	13. 5 PPB
14. 1,1,1-Trichloroethane	14. 15.2 PPB
15. Carbon tetrachloride	15. NO
16. Bromodichloromethane	16. NO
17. 1,2-Dichloropropane	17. NO
18. trans-1,3-Dichloropropene	18. NO
19. Trichloroethylene	19. NO
20. Benzene	20. NO
21. cis-1,3-Dichloropropene	21. NO
1,1,2-Trichloroethane, & Chlorodibromomethane	
22. 1-Chloro-2-bromopropane (1s)	22. NO
23. 2-Chloroethyl vinyl ether	23. NO
24. Bromoform	24. NO
25. 1,1,2,2-tetrachloroethylene & 1,1,2,2-tetrachloroethane	25. NO
26. 1,4-Dichlorobutane (1s)	26. NO
27. Toluene	27. NO
28. Chlorobenzene	28. NO
29. Ethylbenzene	29. NO

*corner of Clouser
and Lewis Sts.*

Instrument PE 115

Method EPA 624

Sample Prep Direct

Solvent H₂O

Analyst

Ralph P. Matter, Jr.

AR100021 LABORATORY DIRECTOR



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.12 (12) JOB NO. 84LB01.27
CLIENT Dorthy Willow, 125 Clouser PROJECT MGR. Ralph Matter
Road, Hanover, PA. 17331

COMPOUND

CONCENTRATION

Fecal Coliforms

0/100ml

Instrument Perkin-Elmer 115

Method 2 - HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter

LABORATORY DIRECTOR

ART00022



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 23, 1984

LAB NO. 909.15 (15)

JOB NO. 84LB01.27

CLIENT Earl R. Colestock, 185
Barts Church Rd., Hanover

PROJECT MGR. Ralph Matter

Pa. 17331

COMPOUND

CONCENTRATION

Carbon Tetrachloride

8 PPB

Trichlorofluoromethane

789 PPT

1,2 Dichloroethane

5 PPB

extracts on Barts Church Rd.

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

AR100026



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 23, 1984

LAB NO. 909.08 (8)

JOB NO. 84LB01.27

CLIENT Linda Stover, 633 Chest-

PROJECT MGR. Ralph Matter

nut Hill Rd., Hanover, PA. 17331

COMPOUND

CONCENTRATION

Fecal Coliforms

0/100ml

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 15, 1984

DATE REPORTED February 15, 1984

LAB NO. 903

JOB NO. 83LBO1.23

CLIENT Ms. Mary Greaves Minor

PROJECT MGR. Ralph P. Matter, Jr.

Box 199 Chestnut Hill Road, Hanover

COMPOUND

Pa. 17331

CONCENTRATION

1. Chloroethane	1. ND
2. Methanol	2. ND
3. Bromoethane	3. ND
4. Vinyl chloride & Dichlorodifluoroethane	4. ND
5. Chloroethane	5. ND
6. Methylene chloride	6. ND
7. Trichlorofluoroethane	7. 587 RPT
8. 1,1-Dichloroethylene	8. ND
9. Bromochloroethane	9. ND
10. 1,1-Dichloroethane	10. 27 PPB
11. trans-1,2-Dichloroethylene	11. 55.8 PPB
12. Chloroform	12. ND
13. 1,2-Dichloroethane	13. 117 PPB
14. 1,1,1-Trichloroethane	14. ND
15. Carbon tetrachloride	15. 38.7 PPB
16. Bromodichloromethane	16. ND
17. 1,2-Dichloropropane	17. ND
18. trans-1,3-Dichloropropene	18. ND
19. Trichloroethylene	19. Present < 1.0 PPB
20. Benzene	20. ND
21. cis-1,3-Dichloropropene	21. ND
1,1,2-Trichloroethane, & Chlorodibromomethane	
22. 1-Chloro-2-bromopropane (1s)	22. ND
23. 2-Chloroethyl vinyl ether	23. ND
24. Bromoform	24. ND
25. 1,1,2,2-tetrachloroethylene & 1,1,2,2-tetrachloroethane	25. ND
26. 1,4-Dichlorobutane (1s)	26. ND
27. Toluene	27. ND
28. Chlorobenzene	28. ND
29. Ethylbenzene	29. ND

Instrument PE 115 - HS 6

Method EPA 624 - Headspace

Sample Prep 2ml/5ml Vol. at 80°C

Solvent Direct Transfer

Analyst

Ralph P. Matter, Jr.

LABORATORY DIRECTOR

AR100025



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.15 (15) JOB NO. 84LB01.27
CLIENT Earl R. Colestock, 185 PROJECT MGR. Ralph Matter
Barts Church Rd. Hanover
Pa. 17331

COMPOUND

CONCENTRATION

Carbon Tetrachloride	8 PPB
Trichlorofluoromethane	789 PPT
1 2 Dichloroethane	5 PPB

entrance on Barts Church Rd.

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

AR100026



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.06 (6) JOB NO. 84LB01.27
CLIENT Delta G. Hilker, 556 Chest- PROJECT MGR. Ralph Matter
nut Hill Rd., Hanover, PA. 17331

COMPOUND

CONCENTRATION

1 1 1 TCE

15 PPB

Trichlorofloromethane

904 PPT

1 2 Dichloroethane

8 PPB

Fecal coliforms

0/100ml

Instrument Perkin-Elmer 115

Method 2-11S 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter


LABORATORY DIRECTOR

AR100027



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED

February 23, 1984

LAB NO. 902.02 (2)

JOB NO.

84LB01.27

CLIENT Dean N. Hilker, 585 Chest-
nut Hill Rd., Hanover, PA. 17331

PROJECT MGR.

Ralph Matter

*2nd on left North
of Mon River.*

COMPOUND

CONCENTRATION

VOC SCAN

1 1 1 TCE

4 PPB

Trichlorofluoromethane

4 PPT

1 1 2 TCE

8 PPB

Fecal Coliforms

4/100ml

Instrument Perkin-Elmer 115

Method 2-HS 6

Analyst Ralph Matter

Sample Prep Direct

Solvent H₂O*Ralph Matter*

LABORATORY DIRECTOR

AR100028



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 23, 1984

LAB NO. 909.01 (1)

JOB NO. 84LB01.27

CLIENT Louis E. Hilker, 515 Chest-
nut Hill Rd., Hanover, PA. 17331

PROJECT MGR. Ralph Matter

*brick on left
going north.*

COMPOUND

CONCENTRATION

VOC SCAN

1 1 1 TCE

20 PPB

1 2 Dichloroethane

3 PPB

Carbon tetrachloride

12 PPB

Fecal coliforms

0/100ml

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter

LABORATORY DIRECTOR

AR100029



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.16 (16) JOB NO. 84LB01.27
CLIENT Raymond Masenheiner, 404 PROJECT MGR. Ralph Matter
Barts Church Rd., Hanover, PA. 17331

COMPOUND	CONCENTRATION
Carbon tetrachloride	12.6 PPB
Trichlorofluoromethane	950 PPT
1 2 Dichloroethane	5.7 PPB

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter


LABORATORY DIRECTOR
AR100030



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984

LAB NO. 909.03 (3) JOB NO. 84LB01.27

CLIENT Union Township Supervisors PROJECT MGR. Ralph Matter

& Louis E. Hilker, 515 Chestnut Hill *Stream Sample #1*
Rd. Hanover, PA. 17331 *CLOSE TO ENTRANCE*
AT CLOUSER ROAD - LOWER SI
CONCENTRATION

COMPOUND

VOC SCAN

at bridge leaving the landfill

1 1 1 TCE	19.77 PPB
Trichlorofluoromethane	5 PPT
1 2 Dichloroethane	6 PPB
1 1 2 TCE	16 PPB

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR 31



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984

LAB NO. 909.03 (3) JOB NO. 84LB01.27

CLIENT Union Township Supervisors PROJECT MGR. Ralph Matter

% Louis E. Hilker, 515 Chestnut Hill
Rd. Hanover, PA. 17331
Stream Sample #1
CLOSE TO ENTRANCE
AT CLOUSER ROAD - LOWER SIDE
CONCENTRATION

COMPOUND

VOC SCAN

at bridge leaving the landfill

1 1 1 TCE	19.77 PPB
Trichlorofluoromethane	5 PPT
1 2 Dichloroethane	6 PPB
1 1 2 TCE	16 PPB

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

ARI00092



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984

LAB NO. 909.4 (4) JOB NO. 84LB01.27

CLIENT Union Township Supervisors PROJECT MGR. Ralph Matter

% Louis E. Hilker, 515 Chestnut

Hill Rd., Hanover, PA. 17331

COMPOUND

VOC SCAN

1 1 1 TCE

Trichlorofluoromethane

1 2 Dichloroethane

1 1 Dichloroethane

1 1 2 TCE

Station Sample #2
BETWEEN CLOUSHERS and M.H.
CONCENTRATION

at bridge with white rails

11 PPB

637 PPT

8 PPB

6 PPB

9 PPB

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.4 (4) JOB NO. 84LB01.27
CLIENT Union Township Supervisors PROJECT MGR. Ralph Matter

8 Louis E. Hilker, 515 Chestnut
Hill Rd., Hanover, PA. 17331

Stream Sample #2
BETWEEN CLOUSHER'S and Mill
CONCENTRATION

COMPOUND

VOC SCAN

at bridge with white rails

1 1 1 TCE	11 PPB
Trichlorofluoromethane	637 PPT
1 2 Dichloroethane	8 PPB
1 1 Dichloroethane	6 PPB
1 1 2 TCE	9 PPB

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

AR100034



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.05 (5) JOB NO. 84LB01.27
CLIENT Union Township Supervisors PROJECT MGR. Ralph Matter

% Louis K. Hilker, 515 Chest-
nut Hill Rd., Hanover, PA. 17331

*Stream Sample # 3 at to
end of meadow, next to Sla*

COMPOUND	CONCENTRATION
VOC SCAN	Stream at Bentzal Farm
1. 1 1 1 TCE	11 PPB
2. Trichlorofluoromethane	984 PPT
3. 1 2 Dichloroethane	7 PPB
4. 1 1 2 TCE	5 PPB
5. 1 1 Dichloroethane	12 PPB

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR
ART00035



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.05 (5) JOB NO. 84LB01.27
CLIENT Union Township Supervisors PROJECT MGR. Ralph Matter

8 Louis K. Hilker, 515 Chest-
nut Hill Rd., Hanover, PA. 17331

*Stream Sample # 3 at
end of meadow, next to St.*

COMPOUND

CONCENTRATION

VOC SCAN

Stream at Bentzal Farm

1. 1 1 1 TCE	11 PPB
2. Trichlorofluoromethane	984 PPT
3. 1 2 Dichloroethane	7 PPB
4. 1 1 2 TCE	5 PPB
5. 1 1 Dichloroethane	12 PPB

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

ART 100035



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 23, 1984

LAB NO. 909.07 (7)

JOB NO. 84LB01.27

CLIENT Union Township Supervisors • PROJECT MGR. Ralph Matter

% Louis K. Hilker, 515 Chest-
nut, Hill Hanover, PA. 17331

*Stream Sample #4 in wood
Chestnut Hill Road at Minor Bridge*

COMPOUND

CONCENTRATION

VOC at Minor Bridge

No VOC'S Detected

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR
AR100037



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 23, 1984

LAB NO. 909.07 (7)

JOB NO. 84LB01.27

CLIENT Union Township Supervisors

PROJECT MGR. Ralph Matter

% Louis K. Hilker, 515 Chest-
nut, Hill Hanover, PA. 17331

Stream Sample # 4 in wood
Chestnut Hill Road at Minor B.

COMPOUND

CONCENTRATION

VOC at Minor Bridge

No VOC'S Detected

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

AR100038



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.14 (14) JOB NO. 84LB01.27
CLIENT Adam Lockner, 428 Line Road PROJECT MGR. Ralph Matter
Littlestown, Pa. 17340

COMPOUND

CONCENTRATION

Carbon tetrachloride

2 PPB

Trichlorofluoromethane

453 PPT

1,2 Dichloroethane

4 PPB

Fecal Coliforms

0/100ml

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

AR100039



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 21, 1984 DATE REPORTED February 23, 1984
LAB NO. 913.1 (1) Water Sample JOB NO. 84LB01.27
CLIENT Mr. Geiman, 214 Clouse PROJECT MGR. Ralph Matter
Road - Hanover, PA. 17331

COMPOUND

CONCENTRATION

Fecal Coliform	0/100ml
Carbon tetrachloride	.5 PPB
Trichlorofluoromethane	864 PPT
1 2 Dichloroethane	13 PPB

Instrument Perkin-Elmer 115

Analyst Ralph Matter

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Ralph Matter
LABORATORY DIRECTOR

AR100040



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 21, 1984 DATE REPORTED February 23, 1984
LAB NO. 913.4 JOB NO. 84LB01.27
CLIENT Joseph Lee, 239 George- PROJECT MGR. Ralph Matter
town - Littlestown, PA. 17340

COMPOUND

CONCENTRATION

Fecal Coliform

0/100ml

1 1 1 TCE

11 PPB

12 Dichloroethylene

5.5

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H2O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

AR100041



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 21, 1984

DATE REPORTED February 23, 1984

LAB NO. 913.2 (2)

JOB NO. 84LB01.27

CLIENT Lewis Hillard, 1897
Hanover Pike, Littleton,
PA. 17340

PROJECT MGR. Ralph P. Matter, Jr.

COMPOUND

CONCENTRATION

1. Chloromethane	1. NO
2. Methanol	2. NO
3. Bromomethane	3. NO
4. Vinyl chloride & Dichlorodifluoromethane	4. NO
5. Chloroethane	5. NO
6. Methylene chloride	6. NO
7. Trichlorofluoromethane	7. NO
8. 1,1-Dichloroethylene	8. NO
9. Bromochloromethane	9. NO
10. 1,1-Dichloroethane	10. NO
11. trans-1,2-Dichloroethylene	11. NO
12. Chloroform	12. NO
13. 1,2-Dichloroethane	13. C 2 PPB
14. 1,1,1-Trichloroethane	14. 5.4 PPB
15. Carbon tetrachloride	15. 5.4 PPB
16. Bromodichloromethane	16. NO
17. 1,2-Dichloropropane	17. NO
18. trans-1,3-Dichloropropene	18. NO
19. Trichloroethylene	19. NO
20. Benzene	20. NO
21. cis-1,3-Dichloropropene	21. NO
1,1,2-Trichloroethane, & Chlorodibromomethane	
22. 1-Chloro-2-bromopropane (ls)	22. NO
23. 2-Chloroethyl vinyl ether	23. NO
24. Bromoform	24. NO
25. 1,1,2,2-Tetrachloroethylene & 1,1,2,2-Tetrachloroethane	25. NO
26. 1,4-Dichlorobutane (ls)	26. NO
27. Toluene	27. NO
28. Chlorobenzene	28. NO
29. Ethylbenzene	29. NO

Instrument PE 115

Method EPA 624

Sample Prep Direct

Solvent H₂O

Analyst

Ralph P. Matter, Jr.

LABORATORY DIRECTOR

ARI00542

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ORGANIC CHEMISTRY

LABORATORY REPORT

February 21, 1984

DATE REPORTED

February 23, 1984

913.2 (2)

JOB NO.

84LB01.27

Lewis Hillard, 1897

Hanover Pike, Littleton,

PA. 17340

PROJECT MGR. Ralph P. Matter, Jr.

COMPOUND

CONCENTRATION

Chloromethane	1. NU
Ethanol	2. ND
Propanethane	3. NU
Methyl chloride & Dichlorodifluoromethane	4. ND
Chloroethane	5. NU
Ethylene chloride	6. NU
Chlorofluoromethane	7. ND
-Dichloroethylene	8. ND
Monochloromethane	9. ND
-Dichloroethane	10. ND
trans-1,2-Dichloroethylene	11. ND
Chloroform	12. ND
-Dichloroethane	13. C 2 PPB
1,1-Trichloroethane	14. 5.4 PPB
Carbon tetrachloride	15. 5.4 PPB
1,1-Dichloromethane	16. ND
-Dichloropropane	17. ND
trans-1,3-Dichloropropene	18. ND
Chloroethylene	19. ND
Benzene	20. ND
-1,3-Dichloropropene	21. ND
1,2-Trichloroethane, C	
1,1-Dibromomethane	
Chloro-2-bromopropane (1s)	22. ND
Chloroethyl vinyl ether	23. ND
Chloroform	24. ND
2,2-tetrachloroethylene C	25. NU
2,2-tetrachloroethane	
-Dichlorobutane (1s)	26. ND
Benzene	27. ND
Chlorobenzene	28. ND
Benzene	29. ND
115	"

Analyst

Ralph P. Matter, Jr.

LABORATORY DIRECTOR



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 21, 1984 DATE REPORTED February 23, 1984
LAB NO. 913.2 (2) Water Sample JOB NO. 84LB01.27
CLIENT Lewis Hillard, 1897 Hanover Pike, Littleton, PA. 17340 PROJECT MGR. Ralph Matter

COMPOUND

CONCENTRATION

Before Water Softner Fecal Coliform 0/100ml
After Water Softner Fecal Coliform 0/100ml

Instrument Perkin-Elmer 115
Method plate, incubation
Sample Prep
Solvent

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.13 (13) JOB NO. 84LB01.27
CLIENT Carol Maher, 468 Line Road PROJECT MGR. Ralph Matter
Littlestown, PA. 17340

COMPOUND

CONCENTRATION

Carbon tetrachloride

4 PPB

Trichlorofluoromethane

136 PPT

1 2 Dichloroethane

5 PPB

Fecal Coliforms

0/100ml

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

AR100045



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 23, 1984

LAB NO. 909.17 (17)

JOB NO. 84LB01.27

CLIENT Kenneth Hill, 282 Barts

PROJECT MGR. Ralph Matter

Church Rd., Hanover, PA. 17331

COMPOUND

CONCENTRATION

1 1 1 TCE

17 PPB

Trichlorofluoromethane

117 PPT

1 1 Dichloroethane

4.5

1 2 Dichloroethane

6.1

Fecal Coliforms

0/100ml

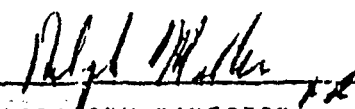
Instrument Perkin-Elmer 115

Analyst Ralph Matter

Method 2-HS 6

Sample Prep Direct

Solvent H₂O


LABORATORY DIRECTOR

AR100046



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984

LAB NO. 909.12 (12) JOB NO. 84LB01.27

CLIENT Dorthy Willow, 125 Clouser Road, Hanover, PA. 17331 PROJECT MGR. Ralph P. Matter, Jr.

COMPOUND	CONCENTRATION
1. Chloromethane	1. ND
2. Methanol	2. ND
3. Bromomethane	3. ND
4. Vinyl chloride & Dichlorodifluoromethane	4. ND
5. Chloroethane	5. ND
6. Methylene chloride	6. ND
7. Trichlorofluoromethane	7. 121 PPB
8. 1,1-Dichloroethylene	8. ND
9. Bromochloromethane	9. ND
10. 1,1-Dichloroethane	10. 9 PPB
11. trans-1,2-Dichloroethylene	11. ND
12. Chloroform	12. ND
13. 1,2-Dichloroethane	13. 5 PPB
14. 1,1,1-Trichloroethane	14. 15.2 PPB
15. Carbon tetrachloride	15. ND
16. Bromodichloromethane	16. ND
17. 1,2-Dichloropropane	17. ND
18. trans-1,3-Dichloropropene	18. ND
19. Trichloroethylene	19. ND
20. Benzene	20. ND
21. cis-1,3-Dichloropropene	21. ND
1,1,2-Trichloroethane, & Chlorodibromomethane	
22. 1-Chloro-2-bromopropane (1s)	22. ND
23. 2-Chloroethyl vinyl ether	23. ND
24. Bromoform	24. ND
25. 1,1,2,2-Tetrachloroethylene & 1,1,2,2-Tetrachloroethane	25. ND
26. 1,4-Dichlorobutane (1s)	26. ND
27. Toluene	27. ND
28. Chlorobenzene	28. ND
29. Ethylbenzene	29. ND

Instrument PE 115

Method EPA 624

Sample Prep Direct

Solvent H₂O

Analyst

Ralph P. Matter, Jr.

LABORATORY DIRECTOR

ART00047



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 20, 1984

LAB NO. 909.08

JOB NO. 84LB01.27

CLIENT Linda Stover, 633 Chestnut Hill Road, Hanover, PA. 17331

PROJECT MGR. Ralph P. Matter, Jr.

COMPOUND

CONCENTRATION

1. Chloromethane	1. ND
2. Methanol	2. ND
3. Bromomethane	3. ND
4. Vinyl chloride & Dichlorodifluoromethane	4. ND
5. Chloroethane	5. ND
6. Methylene chloride	6. ND
7. Trichlorofluoromethane	7. 28.9 RPT
8. 1,1-Dichloroethylene	8. 16 PPB
9. Bromochloromethane	9. ND
10. 1,1-Dichloroethane	10. ND
11. trans-1,2-Dichloroethylene	11. 46 PPB
12. Chloroform	12. ND
13. 1,2-Dichloroethane	13. 31 PPB
14. 1,1,1-Trichloroethane	14. ND
15. Carbon tetrachloride	15. ND
16. Bromodichloromethane	16. ND
17. 1,2-Dichloropropane	17. ND
18. trans-1,3-Dichloropropene	18. ND
19. Trichloroethylene	19. Present < 1 PPB
20. Benzene	20. ND
21. cis-1,3-Dichloropropene	21. ND
1,1,2-Trichloroethane, & Chlorodibromomethane	
22. 1-Chloro-2-bromopropane (1s)	22. ND
23. 2-Chloroethyl vinyl ether	23. ND
24. Bromoform	24. ND
25. 1,1,2,2-Tetrachloroethylene & 1,1,2,2-Tetrachloroethane	25. ND
26. 1,4-Dichlorobutane (1s)	26. ND
27. Toluene	27. ND
28. Chlorobenzene	28. ND
29. Ethylbenzene	29. ND

Instrument PE 115

Method EPA 624

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
Ralph P. Matter, Jr.

LABORATORY DIRECTOR



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 21, 1984 DATE REPORTED February 23, 1984
LAB NO. 913.2 (2) JOB NO. 84LB01.27
CLIENT Lewis Hillard, 1897 PROJECT MGR. Ralph P. Matter, Jr.
Hanover Pike, Littlestown,
PA. 17340

COMPOUND	CONCENTRATION
1. Chloromethane	1. ND
2. Methanol	2. ND
3. Bromomethane	3. ND
4. Vinyl chloride & Dichlorodifluoromethane	4. ND
5. Chloroethane	5. ND
6. Methylene chloride	6. ND
7. Trichlorofluoromethane	7. ND
8. 1,1-Dichloroethylene	8. ND
9. Bromochloromethane	9. ND
10. 1,1-Dichloroethane	10. ND
11. trans-1,2-Dichloroethylene	11. ND
12. Chloroform	12. ND
13. 1,2-Dichloroethane	13. C 2 PPB
14. 1,1,1-Trichloroethane	14. 5.4 PPB
15. Carbon tetrachloride	15. 5.4 PPB
16. Bromodichloromethane	16. ND
17. 1,2-Dichloropropane	17. ND
18. trans-1,3-Dichloropropene	18. ND
19. Trichloroethylene	19. ND
20. Benzene	20. ND
21. cis-1,3-Dichloropropene	21. ND
1,1,2-Trichloroethane, & Chlorodibromomethane	
22. 1-Chloro-2-bromopropane (1s)	22. ND
23. 2-Chloroethyl vinyl ether	23. ND
24. Bromoform	24. ND
25. 1,1,2,2-tetrachloroethylene & 1,1,2,2-tetrachloroethane	25. ND
26. 1,4-Dichlorobutane (1s)	26. ND
27. Toluene	27. ND
28. Chlorobenzene	28. ND
29. Ethylbenzene	29. ND

Instrument PE 115
Method EPA 824
Sample Prep Direct
Solvent H₂O

Analyst Ralph P. Matter, Jr.
Ralph P. Matter, Jr.

LABORATORY DIRECTOR

AR100049



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 15, 1984

DATE REPORTED February 15, 1984

LAB NO. 903

JOB NO. 83LBO1.23

CLIENT Ms. Mary Greaves Minor

PROJECT MGR. Ralph P. Matter, Jr.

Box 199 Chestnut Hill Road, Hanover

COMPOUND

Pa. 17331

CONCENTRATION

1. Chloromethane	1. ND
2. Methanol	2. ND
3. Bromoethane	3. ND
4. Vinyl chloride & Dichlorodifluoroethane	4. ND
5. Chloroethane	5. ND
6. Methylene chloride	6. ND
7. Trichlorofluoroethane	7. 587 RPT
8. 1,1-Dichloroethylene	8. ND
9. Bromochloromethane	9. ND
10. 1,1-Dichloroethane	10. 27 PPB
11. trans-1,2-Dichloroethylene	11. 55.8 PPB
12. Chloroform	12. ND
13. 1,2-Dichloroethane	13. 117 PPB
14. 1,1,1-Trichloroethane	14. ND
15. Carbon tetrachloride	15. 38.7 PPB
16. Bromodichloromethane	16. ND
17. 1,2-Dichloropropane	17. ND
18. trans-1,3-Dichloropropene	18. ND
19. Trichloroethylene	19. Present <1.0 PPB
20. Benzene	20. ND
21. cis-1,3-Dichloropropene	21. ND
1,1,2-Trichloroethane, & Chlorodibromomethane	
22. 1-Chloro-2-bromopropane (ls)	22. ND
23. 2-Chloroethyl vinyl ether	23. ND
24. Bromoform	24. ND
25. 1,1,2,2-tetrachloroethylene & 1,1,2,2-tetrachloroethane	25. ND
26. 1,4-Dichlorobutane (ls)	26. ND
27. Toluene	27. ND
28. Chlorobenzene	28. ND
29. Ethylbenzene	29. ND

Instrument PE 115 - HS 6

Method EPA 624 - Headspace

Sample Prep 2ml/5ml Vol. at 80°C

Solvent Direct Transfer

Analyst [Signature]

Ralph P. Matter, Jr.

LABORATORY DIRECTOR

AR100050



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.15 (15) JOB NO. 84LB01.27
CLIENT Earl R. Colestock, 185 PROJECT MGR. Ralph Matter
Barts Church Rd. Hanover
Pa. 17331

COMPOUND

CONCENTRATION

Carbon Tetrachloride

8 PPB

Trichlorofluoromethane

789 PPT

1 2 Dichloroethane

5 PPB

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter


LABORATORY DIRECTOR

AR100051



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 23, 1984

LAB NO. 909.06 (6)

JOB NO. 84LB01.27

CLIENT Delta G. Milker, 556 Chest-

PROJECT MGR. Ralph Matter

nut Hill Rd., Hanover, PA. 17331

COMPOUND

CONCENTRATION

1 1 1 TCE

15 PPB

Trichlorofluoromethane

904 PPT

1 2 Dichloroethane

8 PPB

Fecal coliforms

0/100ml

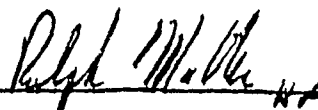
Instrument Perkin-Elmer 115

Analyst Ralph Matter

Method 2-HS 6

Sample Prep Direct

Solvent H₂O


LABORATORY DIRECTOR

AR100051A



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 902.02 (2) JOB NO. 84LB01.27
CLIENT Dean N. Hilker, 585 Chest- PROJECT MGR. Ralph Matter
nut Hill Rd., Hanover, PA. 17331

COMPOUND

CONCENTRATION

VOC SCAN

1 1 1 TCE

4 PPB

Trichlorofluoromethane

4 PPT

1 1 2 TCE

8 PPB

Fecal Coliforms

4/100ml

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter

LABORATORY DIRECTOR

AR100052



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984 DATE REPORTED February 23, 1984
LAB NO. 909.01 (1) JOB NO. 84LB01.27
CLIENT Louis E. Hilker, 515 Chest- PROJECT MGR. Ralph Matter
nnt Hill Rd., Hanover, PA. 17331

COMPOUND

CONCENTRATION

VOC SCAN

1 1 1 TCE	20 PPB
1 2 Dichloroethane	3 PPB
Carbon tetrachloride	12 PPB
Fecal coliforms	0/100ml

Instrument Perkin-Elmer 115
Method 2-HS 6
Sample Prep Direct
Solvent H₂O

Analyst Ralph Matter

Ralph Matter

LABORATORY DIRECTOR

AR100053



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ORGANIC CHEMISTRY

LABORATORY REPORT

DATE IN February 17, 1984

DATE REPORTED February 23, 1984

LAB NO. 909.16 (16)

JOB NO. 84LB01.27

CLIENT Raymond Masenhiner, 404

PROJECT MGR. Ralph Matter

Barts Church Rd., Hanover, PA. 17331

COMPOUND

CONCENTRATION

Carbon tetrachloride

12.6 PPB

Trichlorofluoromethane

950 PPT

1,2 Dichloroethane

5.7 PPB

Instrument Perkin-Elmer 115

Method 2-HS 6

Sample Prep Direct

Solvent H₂O

Analyst Ralph Matter

Ralph Matter
LABORATORY DIRECTOR

AR100054