SUBURBAN LABORATORIES INC
4140 LITT DRIVE
HILLSIDE ILLINOIS 60162

ANALYSIS OF ORGANIC CHEMICAL COMPOUNDS BY
GAS CHROMATOGRAPHY / MASS SPECTROMETRY
FINAL REPORT

S/L FILE NUMBER.....8-7022 CLIENT: RDI: F. WESTON

GC/MS FILE NO.....>U9091::D3 SAMPLE:" S-92 Zois "

FINAL REPORT BY: FDR

DATE RECEIVED: 7/22/89

Note: upon visual review of the Total Ion Chromatogram, unidentified peaks were observed outside of those parameters which are listed below.

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>>>>>>>>>>>>>>>>>> VOLATILES METHOD 624 (CWA) <<<<<<<<<<<<<<<<<<

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| | COMPOUND | MDL ug/l | CAS NUMBER | SAMPLE CONC. ug/l |
|---|---|---|---|---|
| 1. | Acrolein | * | 107-02-8 | * |
| 2. | Acrylonitrile | * | 107-13-1 | * |
| 3. | Benzene | 1.00 | 71-43-2 | BDL |
| 4. | Bromodichloromethane | 1.00 | 75-27-4 | BDL |
| 5. | Bromoform | 1.00 | 75-25-2 | BDL |
| 6. | Bromomethane | 1.00 | 74-83-9 | BDL |
| 7. | Carbon tetrachloride | 1.00 | 56-23-5 | BDL |
| 8. | Chlorobenzene | 1.00 | 108-90-7 | BDL |
| 9. | Chloroethane | 1.00 | 75-00-3 | BDL |
| 10. | 2-Chloroethylvinyl ether | 1.00 | 110-75-8 | BDL |
| 11. | Chloroform | 1.00 | 67-66-3 | BDL |
| 12. | Chloromethane | 1.00 | 74-87-3 | BDL |
| 13. | Dibromochloromethane | 1.00 | 124-48-1 | BDL |
| 14. | 1,2-Dichlorobenzene | 1.00 | 95-50-1 | BDL |
| 15. | 1,3-Dichlorobenzene | 1.00 | 541-73-1 | BDL |
| 16. | 1,4-Dichlorobenzene | 1.00 | 106-46-7 | BDL |
| 17. | 1,1-Dichloroethane | 1.00 | 75-34-3 | BDL |
| 18. | 1,2-Dichloroethane | 1.00 | 107-06-2 | BDL |
| 19. | 1,1-Dichloroethene | 1.00 | 75-35-4 | BDL |
| 20. | trans-1,2-Dichloroethene | 1.00 | 156-60-5 | BDL |
| 21. | 1,2-Dichloropropane | 1.00 | 78-87-5 | BDL |
| 22. | cis-1,3-Dichloropropene | 1.00 | 10061-01-5 | BDL |
| 23. | trans-1,3-Dichloropropene | 1.00 | 10061-02-6 | BDL |

| | | | | |
|---|---|---|---|---|
| 24. | Ethyl benzene | 1.00 | 100-41-4 | BDL |
| 25. | Methylene chloride | 1.00 | 75-09-2 | 49.4B ✓ |
| 26. | 1,1,2,2-Tetrachloroethane | 1.00 | 79-34-5 | BDL |
| 27. | Tetrachloroethene | 1.00 | 127-18-4 | BDL |
| 28. | Toluene | 1.00 | 108-88-3 | BDL |
| 29. | 1,1,1-Trichloroethane | 1.00 | 71-55-6 | BDL |
| 30. | 1,1,2-Trichloroethane | 1.00 | 79-00-5 | BDL |
| 31. | Trichloroethene | 1.00 | 79-01-6 | BDL |
| 32. | Vinyl chloride | 1.00 | 75-01-4 | BDL |
| 33. | *4-Bromofluorobenzene | 1.00 | 74-97-5 | 695.00 |

Surrogate Standard Recovery Study

| | | | | |
|---|---|---|---|---|
| 34. | **Bromochloromethane | 1.00 | 74-95-6 | NI |
| 35. | **2-Bromo-1-chloropropane | 1.00 | 3017-95-6 | NI |
| 36. | **1,4-Dichlorobutane | 1.00 | 110-56-5 | 100% |

*.....INTERNAL STANDARD NOTE: MULTIPLE INTERNAL STANDARDS USED

MDL...MINIMUM DETECTION LIMIT

BDL...BELOW DETECTION LIMIT
DETECTION LIMITS LISTED HEREIN ARE MATRIX DEPENDENT AND ARE PROVIDED FOR GUIDANCE, WHICH MAY NOT ALWAYS BE ACHIEVABLE.

*.....COMPOUND SCREENED

NI....SURROGATE NOT INJECTED

QUANT REPORT

Operator ID: LOPEZ  Quant Rev: e  Quant Time: 890803 18:20
Output File: ^U9091::D1  Injected at: 880727 14:29
Data File: >U9091::D3  Dilution Factor: 1.00000
Name: S/L 8-7022 . U-02
Misc: SPB 1000 40-270D 8 D/M

ID File: ID_VOA::PS
Title: Volatile Organic Analysis
Last Calibration: 880602 16:38

| | Compound | R.T. | Scan# | Area | Conc | Units | q |
|---|---|---|---|---|---|---|---|
| 1) | *4-Bromofluorobenzene | 29.16 | 947 | 26535 | 695.00 | ug/l | 94 |
| 21 | Methylene chloride | 6.62 | 212 | 1956 | 49.46 | ug/l | 97 |
| 31 | (s-std)1,4-Dichlorobutane | 21.67 | 703 | 12162 | 250.09 | ug/l | 94 |

* Compound is ISTD

SUBURBAN LABORATORIES INC
4140 LITT DRIVE
HILLSIDE ILLINOIS 60162

ANALYSIS OF ORGANIC CHEMICAL COMPOUNDS BY
GAS CHROMATOGRAPHY / MASS SPECTROMETRY
FINAL REPORT

S/L FILE NUMBER.....8-7023 CLIENT: ROY F. WESTON

GC/MS FILE NO.....MU8090::07 SAMPLE:" 8-93 Strike "

FINAL REPORT BY: FDR

DATE RECEIVED: 7/22/88

Note: upon visual review of the Total Ion Chromatogram, unidentified peaks were observed outside of those parameters which are listed below.

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>>>>>>>>>>>>>>>>>> VOLATILES METHOD 624 (CWA) <<<<<<<<<<<<<<<<<<

**********

| | COMPOUND | MDL ug/l | CAS NUMBER | SAMPLE CONC. ug/l |
|---|---|---|---|---|
| 1. | Acrolein | * | 107-02-8 | * |
| 2. | Acrylonitrile | * | 107-13-1 | * |
| 3. | Benzene | 1.00 | 71-43-2 | BDL |
| 4. | Bromodichloromethane | 1.00 | 75-27-4 | BDL |
| 5. | Bromoform | 1.00 | 75-25-2 | BDL |
| 6. | Bromomethane | 1.00 | 74-83-9 | BDL |
| 7. | Carbon tetrachloride | 1.00 | 56-23-5 | BDL |
| 8. | Chlorobenzene | 1.00 | 108-90-7 | BDL |
| 9. | Chloroethane | 1.00 | 75-00-3 | BDL |
| 10. | 2-Chloroethylvinyl ether | 1.00 | 110-75-8 | BDL |
| 11. | Chloroform | 1.00 | 67-66-3 | BDL |
| 12. | Chloromethane | 1.00 | 74-87-3 | BDL |
| 13. | Dibromochloromethane | 1.00 | 124-48-1 | BDL |
| 14. | 1,2-Dichlorobenzene | 1.00 | 95-50-1 | BDL |
| 15. | 1,3-Dichlorobenzene | 1.00 | 541-73-1 | BDL |
| 16. | 1,4-Dichlorobenzene | 1.00 | 106-46-7 | BDL |
| 17. | 1,1-Dichloroethane | 1.00 | 75-34-3 | BDL |
| 18. | 1,2-Dichloroethane | 1.00 | 107-06-2 | BDL |
| 19. | 1,1-Dichloroethene | 1.00 | 75-35-4 | BDL |
| 20. | trans-1,2-Dichloroethene | 1.00 | 156-60-5 | BDL |
| 21. | 1,2-Dichloropropane | 1.00 | 78-87-5 | BDL |
| 22. | cis-1,3-Dichloropropene | 1.00 | 10061-01-5 | BDL |
| 23. | trans-1,3-Dichloropropene | 1.00 | 10061-02-6 | BDL |

QUANT REPORT

Operator ID: LOPEZ  Quant Rev: 0  Quant Time: 980903 19:19
Output File: ^V9090::01  Injected at: 980727 18:47
Data File: >V9090::03  Dilution Factor: 1.00000
Name: S/L 6-7023  V-01
Misc: SPB 1000 40-270D @ D/M

ID File: ID_VOA::PS
Title: Volatile Organic Analysis
Last Calibration: 980802 16:38

| | Compound | R.T. | Scan# | Area | Conc | Units | Q |
|---|---|---|---|---|---|---|---|
| 1) | *4-Bromofluorobenzene | 29.13 | 946 | 27053 | 695.00 | ug/l | 99 |
| 31) | (s-std)1,4-Dichlorobutane | 21.67 | 703 | 11664 | 235.26 | ug/l | 99 |

* Compound is ISTD

| | | | | |
|---|---|---|---|---|
| 24. | Ethyl benzene | 1.00 | 100-41-4 | BDL |
| 25. | Methylene chloride | 1.00 | 75-09-2 | BDL |
| 26. | 1,1,2,2-Tetrachloroethane | 1.00 | 79-34-5 | BDL |
| 27. | Tetrachloroethene | 1.00 | 127-18-4 | BDL |
| 28. | Toluene | 1.00 | 108-88-3 | BDL |
| 29. | 1,1,1-Trichloroethane | 1.00 | 71-55-6 | BDL |
| 30. | 1,1,2-Trichloroethane | 1.00 | 79-00-5 | BDL |
| 31. | Trichloroethene | 1.00 | 79-01-6 | BDL |
| 32. | Vinyl chloride | 1.00 | 75-01-4 | BDL |
| 33. | *4-Bromofluorobenzene | 1.00 | 74-97-5 | 696.00 |

Surrogate Standard Recovery Study

| | | | | |
|---|---|---|---|---|
| 4. | **Bromochloromethane | 1.00 | 74-95-6 | NI |
| 35. | **2-Bromo-1-chloropropane | 1.00 | 3017-95-6 | NI |
| 36. | **1,4-Dichlorobutane | 1.00 | 110-56-5 | 94% |

*.....INTERNAL STANDARD NOTE: MULTIPLE INTERNAL STANDARDS USED

MDL...MINIMUM DETECTION LIMIT

BDL...BELOW DETECTION LIMIT
DETECTION LIMITS LISTED HEREIN ARE MATRIX DEPENDENT AND ARE PROVIDED FOR GUIDANCE, WHICH MAY NOT ALWAYS BE ACHIEVABLE.

*.....COMPOUND SCREENED

NI....SURROGATE NOT INJECTED

Rev. 8/88

SUBURBAN LABORATORIES INC
4140 LITT DRIVE
HILLSIDE ILLINOIS 60162

ANALYSIS OF ORGANIC CHEMICAL COMPOUNDS BY
GAS CHROMATOGRAPHY / MASS SPECTROMETRY
FINAL REPORT

S/L FILE NUMBER.....8-7024 CLIENT: ROY F. WESTON

GC/MS FILE NO.....>V9093::D3 SAMPLE:" S-94 Stilke "

FINAL REPORT BY: FDR

DATE RECEIVED: 7/22/88

Note: upon visual review of the Total Ion Chromatogram, unidentified peaks were observed outside of those parameters which are listed below.

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>>>>>>>>>>>>>>>>>> VOLATILES METHOD 624 (CWA) <<<<<<<<<<<<<<<<<<

**********

| | COMPOUND | MDL ug/l | CAS NUMBER | SAMPLE CONC. ug/l |
|---|---|---|---|---|
| 1. | Acrolein | * | 107-02-8 | * |
| 2. | Acrylonitrile | * | 107-13-1 | * |
| 3. | Benzene | 1.00 | 71-43-2 | BDL |
| 4. | Bromodichloromethane | 1.00 | 75-27-4 | BDL |
| 5. | Bromoform | 1.00 | 75-25-2 | BDL |
| 6. | Bromomethane | 1.00 | 74-83-9 | BDL |
| 7. | Carbon tetrachloride | 1.00 | 56-23-5 | BDL |
| 8. | Chlorobenzene | 1.00 | 108-90-7 | BDL |
| 9. | Chloroethane | 1.00 | 75-00-3 | BDL |
| 10. | 2-Chloroethylvinyl ether | 1.00 | 110-75-8 | BDL |
| 11. | Chloroform | 1.00 | 67-66-3 | BDL |
| 12. | Chloromethane | 1.00 | 74-87-3 | BDL |
| 13. | Dibromochloromethane | 1.00 | 124-48-1 | BDL |
| 14. | 1,2-Dichlorobenzene | 1.00 | 95-50-1 | BDL |
| 15. | 1,3-Dichlorobenzene | 1.00 | 541-73-1 | BDL |
| 16. | 1,4-Dichlorobenzene | 1.00 | 106-46-7 | BDL |
| 17. | 1,1-Dichloroethane | 1.00 | 75-34-3 | BDL |
| 18. | 1,2-Dichloroethane | 1.00 | 107-06-2 | BDL |
| 19. | 1,1-Dichloroethene | 1.00 | 75-35-4 | BDL |
| 20. | trans-1,2-Dichloroethene | 1.00 | 156-60-5 | BDL |
| 21. | 1,2-Dichloropropane | 1.00 | 78-87-5 | BDL |
| 22. | cis-1,3-Dichloropropene | 1.00 | 10061-01-5 | BDL |
| 23. | trans-1,3-Dichloropropene | 1.00 | 10061-02-6 | BDL |

| | | | | |
|---|---|---|---|---|
| 24. | Ethyl benzene | 1.00 | 100-41-4 | BDL |
| 25. | Methylene chloride | 1.00 | 75-09-2 | BDL |
| 26. | 1,1,2,2-Tetrachloroethane | 1.00 | 79-34-5 | BDL |
| 27. | Tetrachloroethene | 1.00 | 127-18-4 | BDL |
| 28. | Toluene | 1.00 | 108-88-3 | BDL |
| 29. | 1,1,1-Trichloroethane | 1.00 | 71-55-6 | BDL |
| 30. | 1,1,2-Trichloroethane | 1.00 | 79-00-5 | BDL |
| 31. | Trichloroethene | 1.00 | 79-01-6 | BDL |
| 32. | Vinyl chloride | 1.00 | 75-01-4 | BDL |
| 33. | *4-Bromofluorobenzene | 1.00 | 74-97-5 | 695.00 |

Surrogate Standard Recovery Study

| | | | | |
|---|---|---|---|---|
| 4.** | Bromochloromethane | 1.00 | 74-95-6 | NI |
| 55.** | 2-Bromo-1-chloropropane | 1.00 | 3017-95-6 | NI |
| 36.** | 1,4-Dichlorobutane | 1.00 | 110-56-5 | 94% |

*.....INTERNAL STANDARD NOTE: MULTIPLE INTERNAL STANDARDS USED

MDL...MINIMUM DETECTION LIMIT

BDL...BELOW DETECTION LIMIT
DETECTION LIMITS LISTED HEREIN ARE MATRIX DEPENDENT AND ARE PROVIDED FOR GUIDANCE, WHICH MAY NOT ALWAYS BE ACHIEVABLE.

*.....COMPOUND SCREENED

NI....SURROGATE NOT INJECTED

Rev. 8/88

QUANT REPORT

Operator ID: LOPEZ  Quant Rev: 6  Quant Time: 880803 13:27
Output File: ^V9093::D1  Injected at: 880727 20:53
Data File: >V9093::D3  Dilution Factor: 1.00000
Name: S/L 8-7024  V-04
Misc: SPB 1000 40-270D 8 D/M

ID File: ID_VOA::PS
Title: Volatile Organic Analysis
Last Calibration: 880802 16:38

| | Compound | R.T. | Scan# | Area | Conc | Units |
|---|---|---|---|---|---|---|
| 1) | *4-Bromofluorobenzene | 29.16 | 947 | 28271 | 695.00 | ug/l |
| 31) | (s-std)1,4-Dichlorobutane | 21.64 | 702 | 12124 | 234.00 | ug/l |

* Compound is ISTD

SUBURBAN LABORATORIES INC
4140 LITT DRIVE
HILLSIDE ILLINOIS 60162

ANALYSIS OF ORGANIC CHEMICAL COMPOUNDS BY
GAS CHROMATOGRAPHY / MASS SPECTROMETRY
FINAL REPORT

S/L FILE NUMBER.....8-7023 CLIENT: ROY F. WESTON

GC/MS FILE NO.....VU908###.D3 SAMPLE:" S-9" Wells "

FINAL REPORT BY: FDR

DATE RECEIVED: 7/22/88

Note: upon visual review of the Total Ion Chromatogram, unidentified peaks were observed outside of those parameters which are listed below.

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>>>>>>>>>>>>>>>>>> VOLATILES METHOD 624 (CWA) <<<<<<<<<<<<<<<<<<

**********

| | COMPOUND | MDL ug/l | CAS NUMBER | SAMPLE CONC. ug/l |
|---|---|---|---|---|
| 1. | Acrolein | * | 107-02-8 | * |
| 2. | Acrylonitrile | * | 107-13-1 | * |
| 3. | Benzene | 1.00 | 71-43-2 | BDL |
| 4. | Bromodichloromethane | 1.00 | 75-27-4 | BDL |
| 5. | Bromoform | 1.00 | 75-25-2 | BDL |
| 6. | Bromomethane | 1.00 | 74-83-9 | BDL |
| 7. | Carbon tetrachloride | 1.00 | 56-23-5 | BDL |
| 8. | Chlorobenzene | 1.00 | 108-90-7 | BDL |
| 9. | Chloroethane | 1.00 | 75-00-3 | BDL |
| 10. | 2-Chloroethylvinyl ether | 1.00 | 110-75-8 | BDL |
| 11. | Chloroform | 1.00 | 67-66-3 | BDL |
| 12. | Chloromethane | 1.00 | 74-87-3 | BDL |
| 13. | Dibromochloromethane | 1.00 | 124-48-1 | BDL |
| 14. | 1,2-Dichlorobenzene | 1.00 | 95-50-1 | BDL |
| 15. | 1,3-Dichlorobenzene | 1.00 | 541-73-1 | BDL |
| 16. | 1,4-Dichlorobenzene | 1.00 | 106-46-7 | BDL |
| 17. | 1,1-Dichloroethane | 1.00 | 75-34-3 | BDL |
| 18. | 1,2-Dichloroethane | 1.00 | 107-06-2 | BDL |
| 19. | 1,1-Dichloroethene | 1.00 | 75-35-4 | BDL |
| 20. | trans-1,2-Dichloroethene | 1.00 | 156-60-5 | BDL |
| 21. | 1,2-Dichloropropane | 1.00 | 78-87-5 | BDL |
| 22. | cis-1,3-Dichloropropene | 1.00 | 10061-01-5 | BDL |
| 23. | trans-1,3-Dichloropropene | 1.00 | 10061-02-6 | BDL |

| | | | | |
|---|---|---|---|---|
| 24. | Ethyl benzene | 1.00 | 100-41-4 | BDL |
| 25. | Methylene chloride | 1.00 | 75-09-2 | BDL |
| 26. | 1,1,2,2-Tetrachloroethane | 1.00 | 79-34-5 | BDL |
| 27. | Tetrachloroethene | 1.00 | 127-18-4 | BDL |
| 28. | Toluene | 1.00 | 108-88-3 | BDL |
| 29. | 1,1,1-Trichloroethane | 1.00 | 71-55-6 | BDL |
| 30. | 1,1,2-Trichloroethane | 1.00 | 79-00-5 | BDL |
| 31. | Trichloroethene | 1.00 | 79-01-6 | BDL |
| 32. | Vinyl chloride | 1.00 | 75-01-4 | BDL |
| 33. | *+Bromofluorobenzene | 1.00 | 74-97-5 | [illegible]95.00 |

Surrogate Standard Recovery Study

| | | | | |
|---|---|---|---|---|
| 34.++ | Bromochloromethane | 1.00 | 74-95-3 | NI |
| 35.++ | 2-Bromo-1-chloropropane | 1.00 | 3017-95-6 | NI |
| 36.++ | 1,4-Dichlorobutane | 1.00 | 110-56-5 | 94% |

*.....INTERNAL STANDARD NOTE: MULTIPLE INTERNAL STANDARDS USED

MDL...MINIMUM DETECTION LIMIT

BDL...BELOW DETECTION LIMIT
DETECTION LIMITS LISTED HEREIN ARE MATRIX DEPENDENT AND ARE PROVIDED FOR GUIDANCE, WHICH MAY NOT ALWAYS BE ACHIEVABLE.

+.....COMPOUND SCREENED

NI....SURROGATE NOT INJECTED

SUBURBAN LABORATORIES INC
4140 LITT DRIVE
HILLSIDE ILLINOIS 60162

ANALYSIS OF ORGANIC CHEMICAL COMPOUNDS BY
GAS CHROMATOGRAPHY / MASS SPECTROMETRY
FINAL REPORT

S/L FILE NUMBER.....8-7027 CLIENT: ROY F. WESTON

GC/MS FILE NO.....>U9087::03 SAMPLE:" S-9 1/2 Background "

FINAL REPORT BY: FDR

DATE RECEIVED: 7/22/88

Note: upon visual review of the Total Ion Chromatogram, unidentified peaks were observed outside of those parameters which are listed below.

**********

>>>>>>>>>>>>>>>>>> VOLATILES METHOD 624 (CWA) <<<<<<<<<<<<<<<<<<

**********

| | COMPOUND | MDL ug/l | CAS NUMBER | SAMPLE CONC. ug/l |
|---|---|---|---|---|
| 1. | Acrolein | * | 107-02-8 | * |
| 2. | Acrylonitrile | * | 107-13-1 | * |
| 3. | Benzene | 1.00 | 71-43-2 | BDL |
| 4. | Bromodichloromethane | 1.00 | 75-27-4 | BDL |
| 5. | Bromoform | 1.00 | 75-25-2 | BDL |
| 6. | Bromomethane | 1.00 | 74-83-9 | BDL |
| 7. | Carbon tetrachloride | 1.00 | 56-23-5 | BDL |
| 8. | Chlorobenzene | 1.00 | 108-90-7 | BDL |
| 9. | Chloroethane | 1.00 | 75-00-3 | BDL |
| 10. | 2-Chloroethylvinyl ether | 1.00 | 110-75-8 | BDL |
| 11. | Chloroform | 1.00 | 67-66-3 | BDL |
| 12. | Chloromethane | 1.00 | 74-87-3 | BDL |
| 13. | Dibromochloromethane | 1.00 | 124-48-1 | BDL |
| 14. | 1,2-Dichlorobenzene | 1.00 | 95-50-1 | BDL |
| 15. | 1,3-Dichlorobenzene | 1.00 | 541-73-1 | BDL |
| 16. | 1,4-Dichlorobenzene | 1.00 | 106-46-7 | BDL |
| 17. | 1,1-Dichloroethane | 1.00 | 75-34-3 | BDL |
| 18. | 1,2-Dichloroethane | 1.00 | 107-06-2 | BDL |
| 19. | 1,1-Dichloroethene | 1.00 | 75-35-4 | BDL |
| 20. | trans-1,2-Dichloroethene | 1.00 | 156-60-5 | BDL |
| 21. | 1,2-Dichloropropane | 1.00 | 78-87-5 | BDL |
| 22. | cis-1,3-Dichloropropene | 1.00 | 10061-01-5 | BDL |
| 23. | trans-1,3-Dichloropropene | 1.00 | 10061-02-6 | BDL |

| | | | | |
|---|---|---|---|---|
| 24. | Ethyl benzene | 1.00 | 100-41-4 | BDL |
| 25. | Methylene chloride | 1.00 | 75-09-2 | BDL |
| 26. | 1,1,2,2-Tetrachloroethane | 1.00 | 79-34-5 | BDL |
| 27. | Tetrachloroethene | 1.00 | 127-18-4 | BDL |
| 28. | Toluene | 1.00 | 108-88-3 | BDL |
| 29. | 1,1,1-Trichloroethane | 1.00 | 71-55-6 | BDL |
| 30. | 1,1,2-Trichloroethane | 1.00 | 79-00-5 | BDL |
| 31. | Trichloroethene | 1.00 | 79-01-6 | BDL |
| 32. | Vinyl chloride | 1.00 | 75-01-4 | BDL |
| 33. | *4-Bromofluorobenzene | 1.00 | 74-97-5 | 695.00 |

Surrogate Standard Recovery Study

| | | | | |
|---|---|---|---|---|
| 34. | **Bromochloromethane | 1.00 | 74-96-6 | NI |
| 35. | **2-Bromo-1-chloropropane | 1.00 | 3017-95-6 | NI |
| 36. | **1,4-Dichlorobutane | 1.00 | 110-56-5 | 97% |

*.....INTERNAL STANDARD NOTE: MULTIPLE INTERNAL STANDARDS USED

MDL...MINIMUM DETECTION LIMIT

BDL...BELOW DETECTION LIMIT
DETECTION LIMITS LISTED HEREIN ARE MATRIX DEPENDENT AND ARE PROVIDED FOR GUIDANCE, WHICH MAY NOT ALWAYS BE ACHIEVABLE.

*.....COMPOUND SCREENED

NI....SURROGATE NOT INJECTED

Rev. 8/88

QUANT REPORT

Operator ID: LOPEZ  Quant Rev: 6  Quant Time: 880803 18:12
Output File: >U9087::01  Injected at: 880727 23:41
Data File: >U9087::D3  Dilution Factor: 1.00000
Name: S/L #9-7027  V-08
Misc: SPB 1030 40-2700 8 D/M

ID File: ID_VOA::PS
Title: Volatile Organic Analysis
Last Calibration: 880802 16:38

| | Compound | R.T. | Scan# | Area | Conc | Units | q |
|---|---|---|---|---|---|---|---|
| 1) | *4-Bromofluorobenzene | 29.09 | 945 | 26518 | 695.00 | ug/l | 98 |
| 31) | (s-std)1,4-Dichlorobutane | 21.64 | 702 | 11853 | 243.90 | ug/l | 99 |

Compound is ISTD

SUBURBAN LABORATORIES INC
4140 LITT DRIVE
HILLSIDE ILLINOIS 60162

ANALYSIS OF ORGANIC CHEMICAL COMPOUNDS BY
GAS CHROMATOGRAPHY / MASS SPECTROMETRY
FINAL REPORT

S/L FILE NUMBER.....3-7023 CLIENT: RO/ F. WESTON

GC/MS FILE NO.....>V9093::03 SAMPLE:" S-99 Anderson "

FINAL REPORT BY: FDR

DATE RECEIVED: 7/22/89

Note: upon visual review of the Total Ion Chromatogram, unidentified peaks were observed outside of those parameters which are listed below.

**********

>>>>>>>>>>>>>>>>>> VOLATILES METHOD 624 (CWA) <<<<<<<<<<<<<<<<<<

**********

| | COMPOUND | MDL ug/l | CAS NUMBER | SAMPLE CONC. ug/l |
|---|---|---|---|---|
| 1. | Acrolein | * | 107-02-8 | * |
| 2. | Acrylonitrile | * | 107-13-1 | * |
| 3. | Benzene | 1.00 | 71-43-2 | BDL |
| 4. | Bromodichloromethane | 1.00 | 75-27-4 | BDL |
| 5. | Bromoform | 1.00 | 75-25-2 | BDL |
| 6. | Bromomethane | 1.00 | 74-83-9 | BDL |
| 7. | Carbon tetrachloride | 1.00 | 56-23-5 | BDL |
| 8. | Chlorobenzene | 1.00 | 108-90-7 | BDL |
| 9. | Chloroethane | 1.00 | 75-00-3 | BDL |
| 10. | 2-Chloroethylvinyl ether | 1.00 | 110-75-8 | BDL |
| 11. | Chloroform | 1.00 | 67-66-3 | BDL |
| 12. | Chloromethane | 1.00 | 74-87-3 | BDL |
| 13. | Dibromochloromethane | 1.00 | 124-48-1 | BDL |
| 14. | 1,2-Dichlorobenzene | 1.00 | 95-50-1 | BDL |
| 15. | 1,3-Dichlorobenzene | 1.00 | 541-73-1 | BDL |
| 16. | 1,4-Dichlorobenzene | 1.00 | 106-46-7 | BDL |
| 17. | 1,1-Dichloroethane | 1.00 | 75-34-3 | BDL |
| 18. | 1,2-Dichloroethane | 1.00 | 107-06-2 | BDL |
| 19. | 1,1-Dichloroethene | 1.00 | 75-35-4 | BDL |
| 20. | trans-1,2-Dichloroethene | 1.00 | 156-60-5 | BDL |
| 21. | 1,2-Dichloropropane | 1.00 | 78-87-5 | BDL |
| 22. | cis-1,3-Dichloropropene | 1.00 | 10061-01-5 | BDL |
| 23. | trans-1,3-Dichloropropene | 1.00 | 10061-02-6 | BDL |