

**Instrument :**  
MSVOA\_V  
**LabSampleId :**  
VSTDCCC050

MMDadoda

4/29/2021 1:02:15 PM

Abundance

TIC: VV021190.D\data.ms

Time-->

Chloromethane, T

Dichloromethane, T

Trichloromethane, T

Carbon disulfide, T

Methylene chloride, T

1,1-Dichloroethane, T

2-Butanone, T

2-Butanol, T

Bromochloromethane, T

1,1,1-Trichloroethane, T

Carbon tetrachloride, T

1,2-Dichloroethane, T

1,4-Difluorobenzene, T

Trichloroethene, T

1,2-Dichloropropane, T

Methylcyclohexane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

trans-1,3-Dichloropropene, T

4-Methyl-2-pentanone, T

Toluene, T

2-Hexanone, T

1,1,2-Trichloroethane, T

1,2-Dibromochloromethane, T

1,2-Dibromodichloromethane, T

Chlorobenzene, T

m,p-Xylene, T

Bromoform, T

1,2,3-Trichloropropane, T

1,3,4-Trichlorobenzene, T

1,3,5-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

1,2,3-Trichlorobenzene, T

1,2-Dibromobenzene, T

1,3,5-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

Naphthalene

1,2,3-Trichlorobenzene, T

1,2-Dichlorobenzene, T

1,3-Dichlorobenzene, T

1,2,4-Trichlorobenzene, T

1,3,5-Trichlorobenzene, T

Isopropylbenzene

Styrene, T

o-Xylene, T

1,2,4-Trimethylbenzene

1,3,5-Trimethylbenzene

1,2-Dichloroethane, T

1,1-Dichloroethane, T

1,2-Dichloropropane, T

1,3-Dichloropropane, T

1,4-Dichloropropane, T

1,5-Dichloropropane, T

1,6-Dichloropropane, T

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1,200-Dichloropropane, T

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042821\  
 Data File : VV021190.D  
 Acq On : 28 Apr 2021 10:38  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

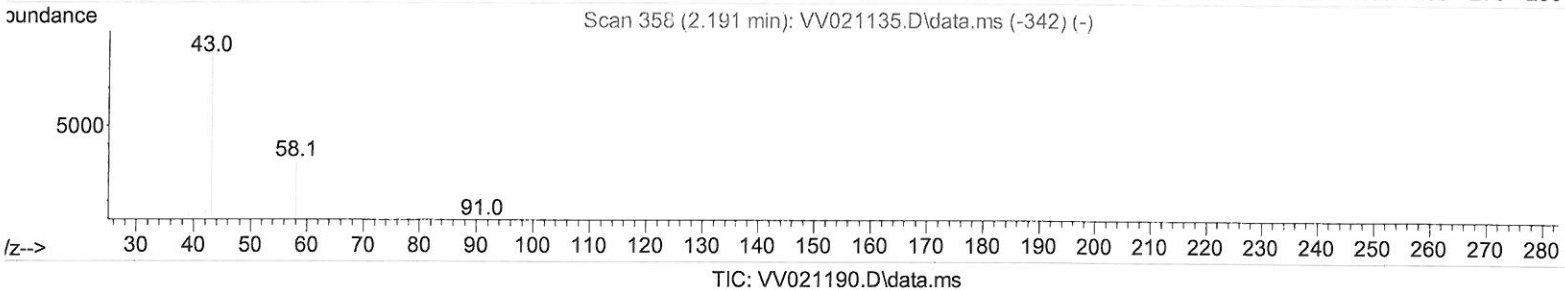
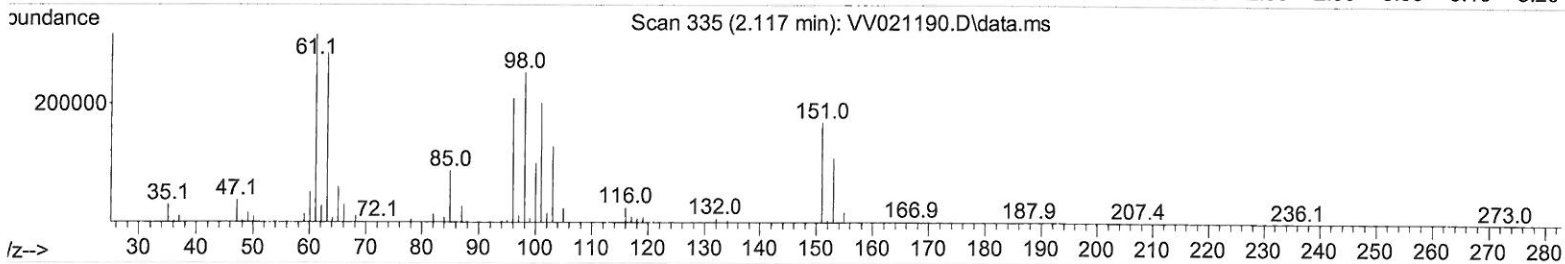
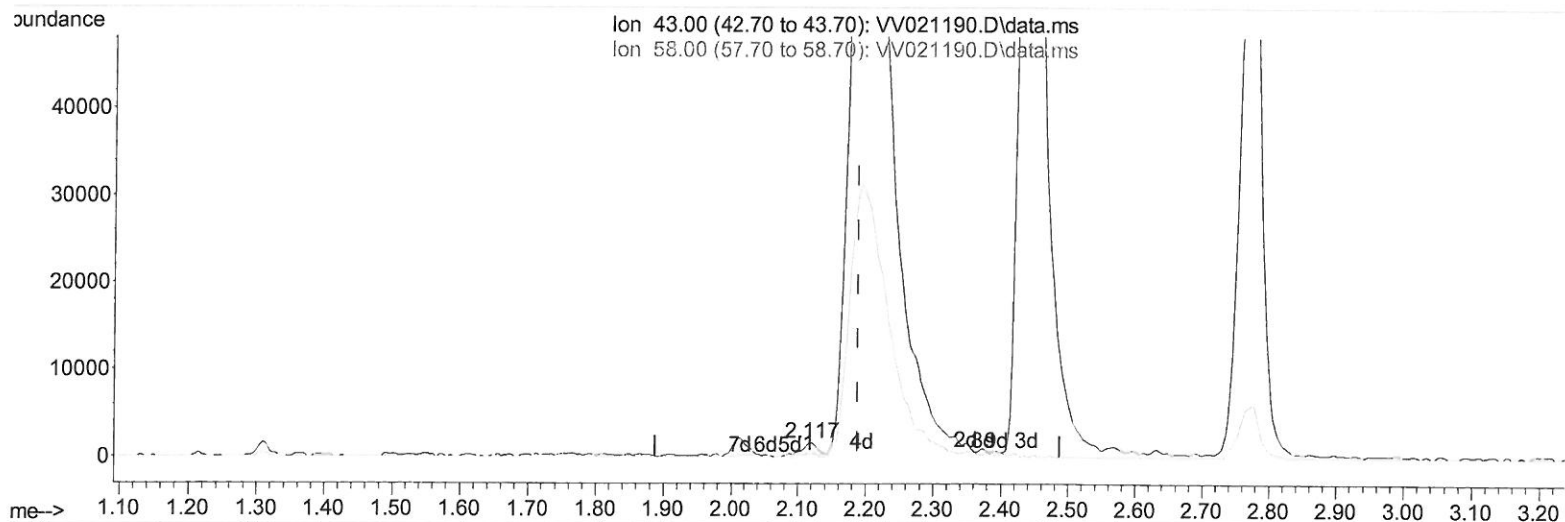
Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda

4/29/2021 1:02:15 PM

Quant Time: Apr 29 04:09:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 28 03:28:03 2021  
 Response via : Initial Calibration



(13) Acetone (T)

2.117min (-0.071) 0.58 ug/L

response 1855

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 15.40  | 27.17  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042821\  
 Data File : VV021190.D  
 Acq On : 28 Apr 2021 10:38  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

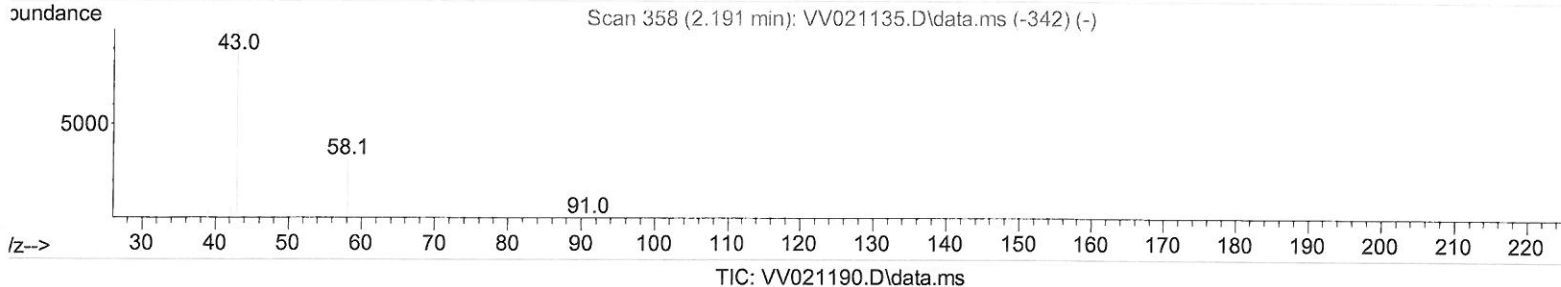
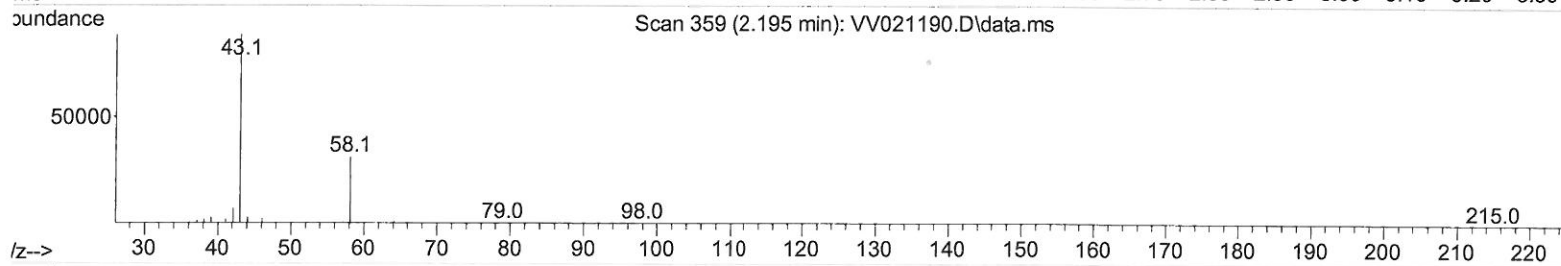
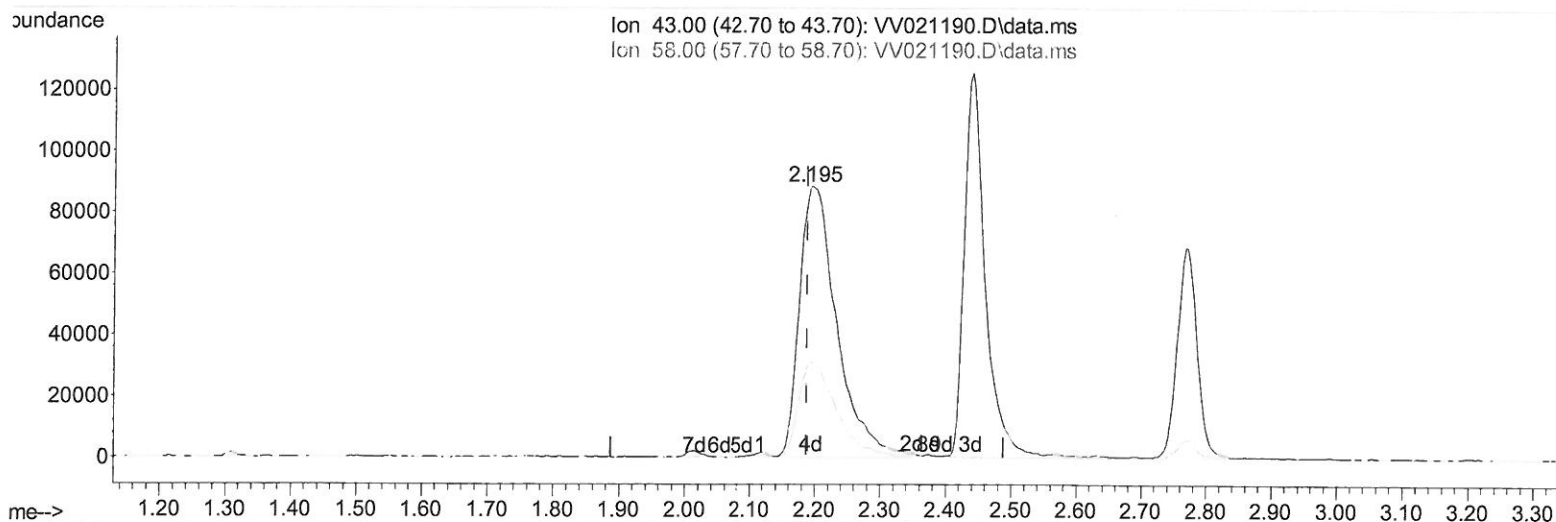
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 Response via : Initial Calibration



(13) Acetone (T)

2.195min (+ 0.006) 110.32 ug/L m

response 351696

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 15.40  | 0.14   |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

MD  
 5/4/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042821\  
 Data File : VV021190.D  
 Acq On : 28 Apr 2021 10:38  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 Quant Title : VOC Analysis  
 Last Update : Wed Apr 28 03:28:03 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.619  | 114  | 850545   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.857  | 117  | 843802   | 50.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.255 | 152  | 488260   | 50.00 | ug/L  | 0.00     |

|                               |                |     |            |        |      |      |
|-------------------------------|----------------|-----|------------|--------|------|------|
| System Monitoring Compounds   |                |     |            |        |      |      |
| 4) Vinyl Chloride-d3          | 1.307          | 65  | 288861     | 41.33  | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 60 - 135 |     | Recovery = | 82.66% |      |      |
| 7) Chloroethane-d5            | 1.571          | 69  | 231526     | 45.03  | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 70 - 130 |     | Recovery = | 90.06% |      |      |
| 11) 1,1-Dichloroethene-d2     | 2.111          | 63  | 543098     | 42.13  | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 60 - 125 |     | Recovery = | 84.26% |      |      |
| 21) 2-Butanone-d5             | 3.899          | 46  | 322140     | 94.39  | ug/L | 0.00 |
| Spiked Amount 100.000         | Range 40 - 130 |     | Recovery = | 94.39% |      |      |
| 24) Chloroform-d              | 4.349          | 84  | 568634     | 45.64  | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery = | 91.28% |      |      |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65  | 350158     | 44.21  | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery = | 88.42% |      |      |
| 32) Benzene-d6                | 5.050          | 84  | 1057143    | 47.04  | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery = | 94.08% |      |      |
| 36) 1,2-Dichloropropane-d6    | 6.069          | 67  | 325339     | 48.50  | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 70 - 120 |     | Recovery = | 97.00% |      |      |
| 41) Toluene-d8                | 7.317          | 98  | 1070493    | 49.22  | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 80 - 120 |     | Recovery = | 98.44% |      |      |
| 43) trans-1,3-Dichloroprop... | 7.622          | 79  | 170523     | 46.52  | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 60 - 125 |     | Recovery = | 93.04% |      |      |
| 47) 2-Hexanone-d5             | 8.091          | 63  | 260760     | 98.01  | ug/L | 0.00 |
| Spiked Amount 100.000         | Range 45 - 130 |     | Recovery = | 98.01% |      |      |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220         | 84  | 485417     | 47.98  | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 65 - 120 |     | Recovery = | 95.96% |      |      |
| 66) 1,2-Dichlorobenzene-d4    | 11.632         | 152 | 465187     | 48.23  | ug/L | 0.00 |
| Spiked Amount 50.000          | Range 80 - 120 |     | Recovery = | 96.46% |      |      |

|                               |       |     |         |        |          |
|-------------------------------|-------|-----|---------|--------|----------|
| Target Compounds              |       |     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.130 | 85  | 396037  | 46.12  | ug/L 99  |
| 3) Chloromethane              | 1.243 | 50  | 334309  | 45.23  | ug/L 100 |
| 5) Vinyl chloride             | 1.314 | 62  | 369011  | 48.77  | ug/L 100 |
| 6) Bromomethane               | 1.526 | 94  | 261966  | 51.39  | ug/L 98  |
| 8) Chloroethane               | 1.587 | 64  | 225606  | 50.54  | ug/L 98  |
| 9) Trichlorofluoromethane     | 1.754 | 101 | 628821  | 46.64  | ug/L 98  |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117 | 101 | 344096  | 51.45  | ug/L 97  |
| 12) 1,1-Dichloroethene        | 2.121 | 96  | 313445  | 51.62  | ug/L 76  |
| 13) Acetone                   | 2.195 | 43  | 351696m | 110.32 | ug/L     |
| 14) Carbon disulfide          | 2.297 | 76  | 858289  | 51.53  | ug/L 99  |
| 15) Methyl Acetate            | 2.439 | 43  | 278179  | 52.76  | ug/L 98  |
| 16) Methylene chloride        | 2.510 | 84  | 335252  | 52.94  | ug/L 95  |
| 17) trans-1,2-Dichloroethene  | 2.760 | 96  | 308838  | 52.94  | ug/L 98  |
| 18) Methyl tert-butyl Ether   | 2.770 | 73  | 897058  | 50.09  | ug/L 97  |
| 19) 1,1-Dichloroethane        | 3.191 | 63  | 547665  | 52.02  | ug/L 100 |
| 20) cis-1,2-Dichloroethene    | 3.915 | 96  | 334843  | 53.78  | ug/L 94  |
| 22) 2-Butanone                | 3.982 | 43  | 406884  | 110.21 | ug/L 96  |
| 23) Bromochloromethane        | 4.249 | 128 | 192119  | 53.54  | ug/L 96  |

MD  
 5/4/21

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 Quant Title : VOC Analysis  
 Last Update : Wed Apr 28 03:28:03 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 25) Chloroform                | 4.375  | 83   | 605563   | 51.11  | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 442957   | 46.95  | ug/L  | 96       |
| 29) Cyclohexane               | 4.680  | 56   | 456789   | 53.19  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 569115   | 50.35  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 518908   | 49.70  | ug/L  | 98       |
| 33) Benzene                   | 5.101  | 78   | 1267817  | 53.90  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 347062   | 53.31  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.133  | 83   | 534904   | 54.68  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 318078   | 55.05  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.510  | 83   | 458866   | 50.96  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 507847   | 53.89  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 724372   | 103.72 | ug/L  | 97       |
| 42) Toluene                   | 7.391  | 91   | 1449373  | 56.13  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 497691   | 51.04  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 336831   | 53.67  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.979  | 164  | 310027   | 53.24  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.143  | 43   | 593701   | 107.95 | ug/L  | 96       |
| 49) Dibromochloromethane      | 8.249  | 129  | 401855   | 51.99  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 367803   | 54.22  | ug/L  | 96       |
| 51) Chlorobenzene             | 8.882  | 112  | 937081   | 52.76  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.014  | 91   | 1563077  | 54.59  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.140  | 106  | 616481   | 56.50  | ug/L  | 98       |
| 54) o-Xylene                  | 9.548  | 106  | 571634   | 53.34  | ug/L  | 94       |
| 55) Styrene                   | 9.564  | 104  | 1044788  | 57.71  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.246 | 83   | 517431   | 51.88  | ug/L  | 97       |
| 59) Bromoform                 | 9.734  | 173  | 309268   | 51.67  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.937  | 105  | 1603640  | 54.95  | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 10.278 | 75   | 420781   | 51.11  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.545 | 105  | 1342934  | 54.18  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105  | 1390106  | 56.24  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.185 | 146  | 801674   | 55.14  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.278 | 146  | 806857   | 54.01  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.648 | 146  | 806520   | 53.74  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.435 | 75   | 113598   | 46.04  | ug/L  | 87       |
| 69) 1,3,5-Trichlorobenzene    | 12.651 | 180  | 621463   | 54.96  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.268 | 180  | 516688   | 55.75  | ug/L  | 99       |
| 71) Naphthalene               | 13.509 | 128  | 1413171  | 54.74  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.754 | 180  | 545673   | 57.70  | ug/L  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed