

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR092118\  
Quantitation Report (QT Reviewed)

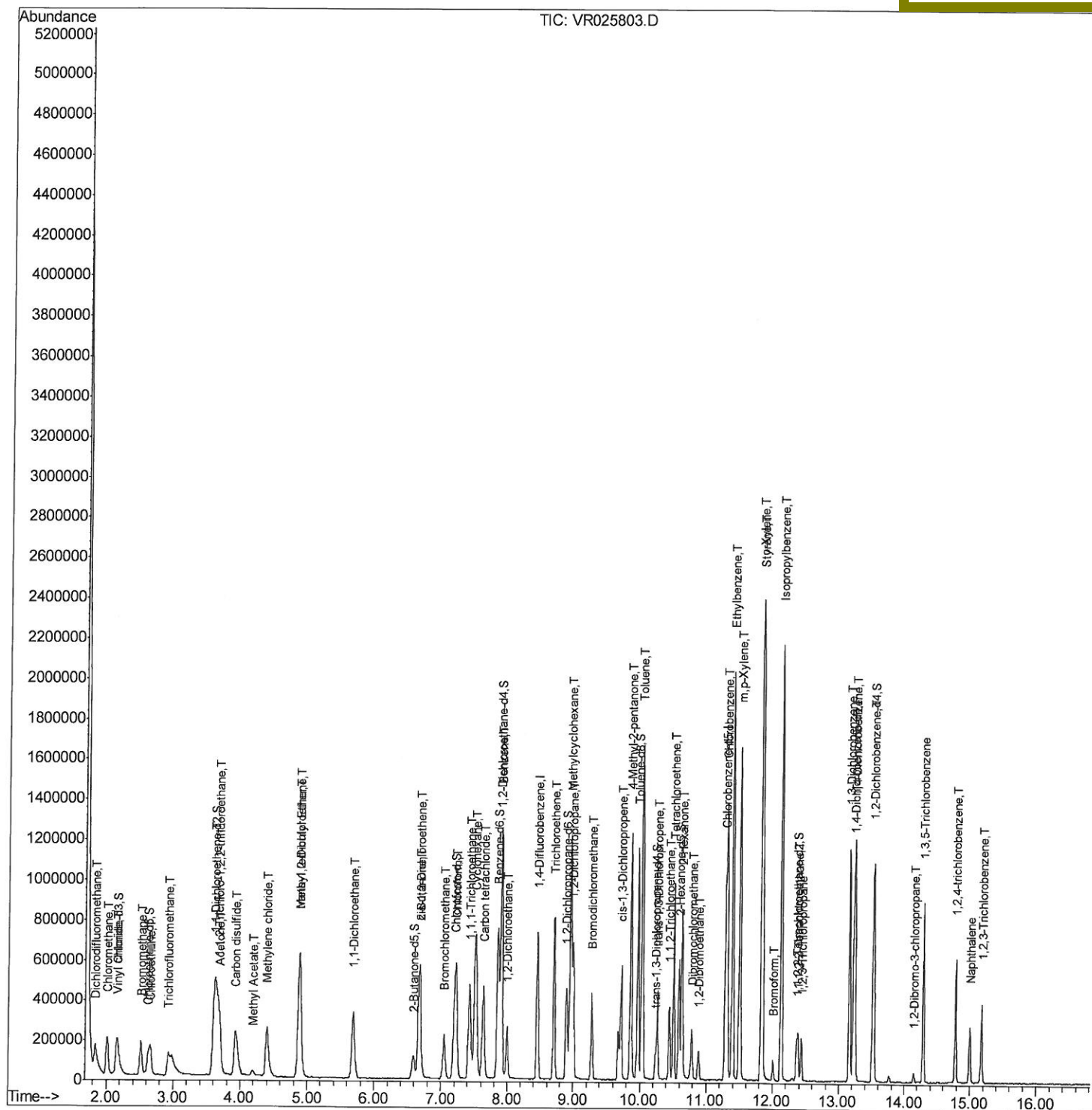
Data File : VR025803.D  
Acq On : 21 Sep 2018 16:21  
Operator : SY/MD  
Sample : VSTDICV005  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
Client Sampled :  
VICV24

Quant Time: Sep 22 04:32:08 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092118WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Sep 21 16:31:29 2018  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
9/24/2018 5:10:13 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR092118\  
Quantitation Report (Qedit)

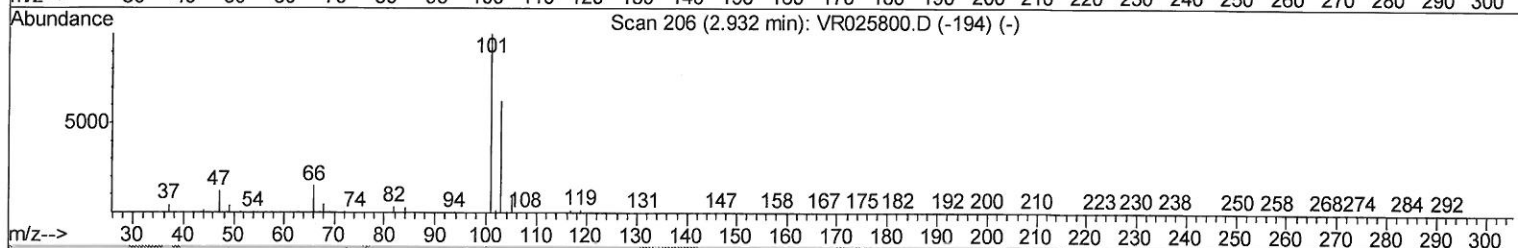
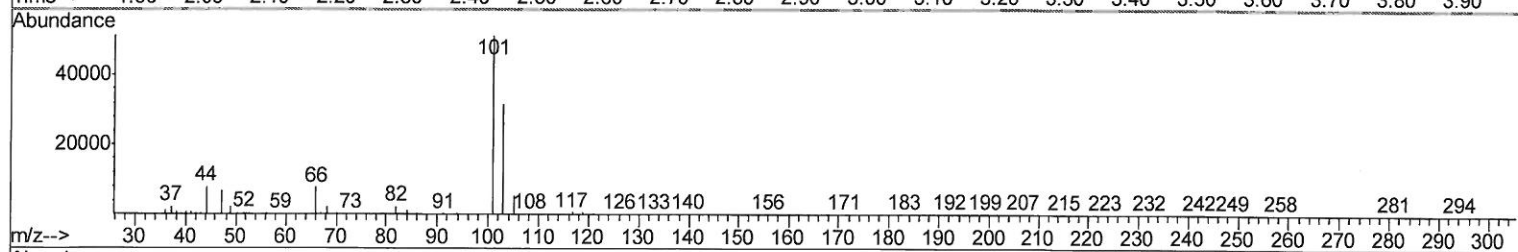
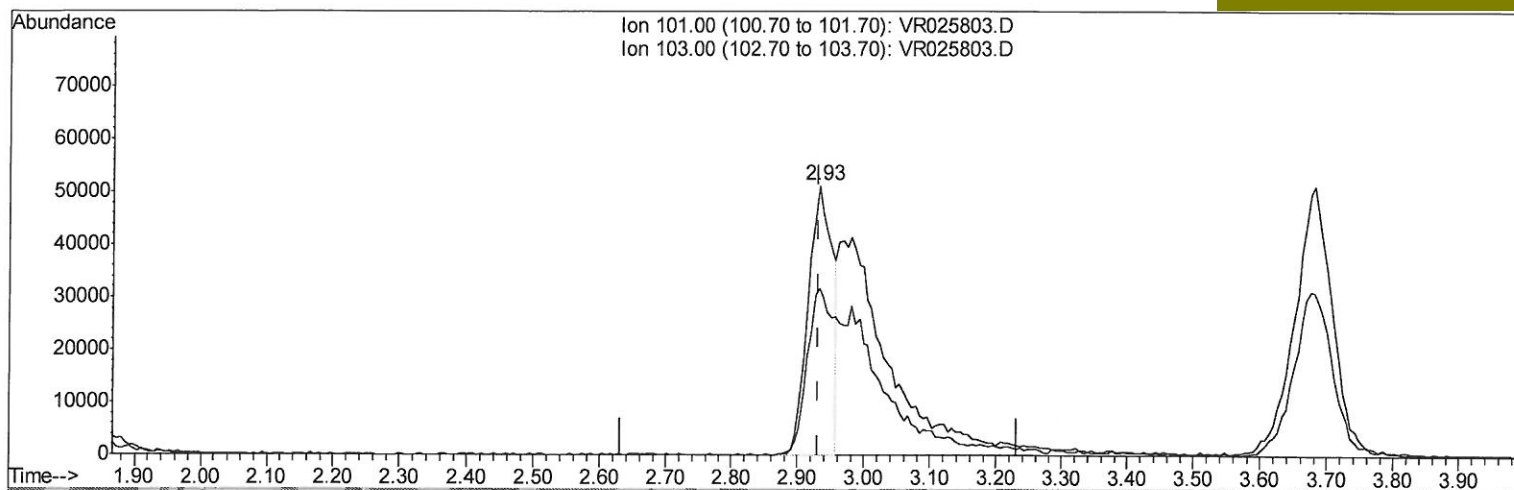
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TIC: VR025803.D

(9) Trichlorofluoromethane (T)

2.932min (+0.000) 1.92ug/L

response 130849

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 101.00 | 100   | 100    |
| 103.00 | 27.60 | 86.16# |
| 0.00   | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

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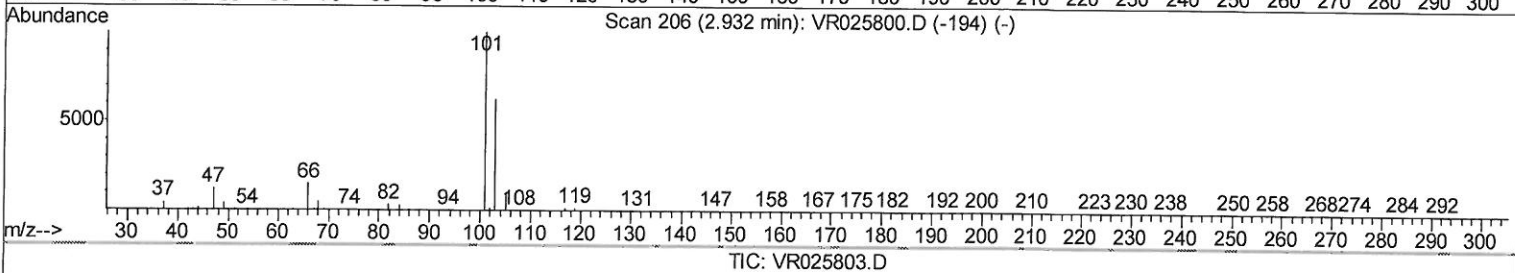
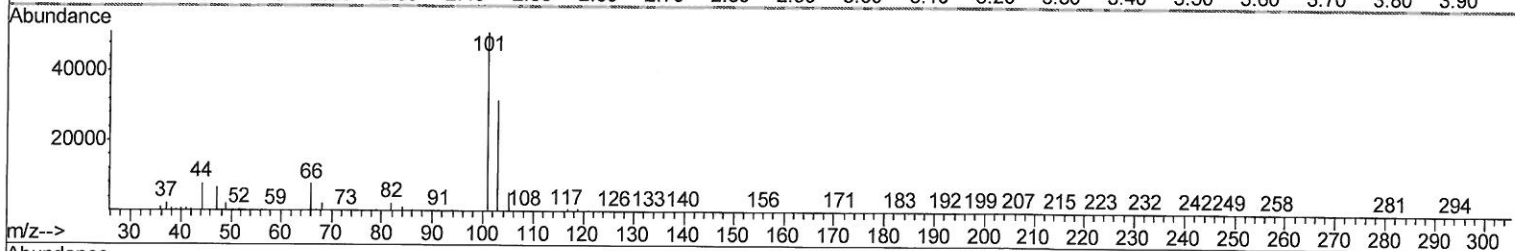
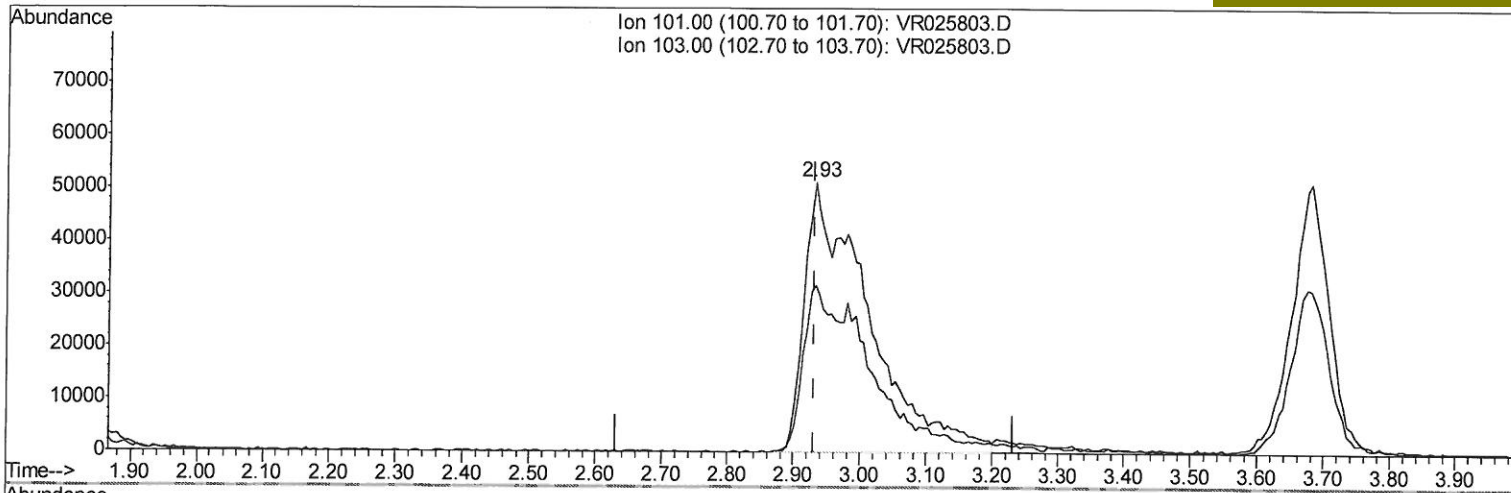
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Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
Client Sampled :  
VICV24

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MMDadoda  
9/24/2018 5:10:13 PM



TIC: VR025803.D

(9) Trichlorofluoromethane (T)

2.932min (+0.000) 5.03ug/L m

response 342864

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 101.00 | 100   | 100   |
| 103.00 | 27.60 | 32.88 |
| 0.00   | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

09/24/18 Sy

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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
Client Sampled :  
VICV24

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Manual Integrations  
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9/24/2018 5:10:13 PM

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 511679   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.28 | 117  | 411308   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 152219   | 5.00 | ug/L  | 0.00     |

System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 175484   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.80%  |
| 7) Chloroethane-d5             | 2.63   | 69    | 136177   | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.60%  |
| 11) 1,1-Dichloroethene-d2      | 3.61   | 63    | 438403   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 99.00%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 227453   | 46.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 93.14%  |
| 24) Chloroform-d               | 7.20   | 84    | 378897   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.60%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 157603   | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.20%  |
| 32) Benzene-d6                 | 7.85   | 84    | 743736   | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.40%  |
| 36) 1,2-Dichloropropane-d6     | 8.89   | 67    | 196179   | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.20%  |
| 41) Toluene-d8                 | 9.97   | 98    | 659669   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00%  |
| 43) trans-1,3-Dichloropropene- | 10.23  | 79    | 55303    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 96.00%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 189012   | 49.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 98.22%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 79704    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.60% |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 125225   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.20%  |

Target Compounds

|                                |      |     |         |        | Qvalue           |
|--------------------------------|------|-----|---------|--------|------------------|
| 2) Dichlorodifluoromethane     | 1.84 | 85  | 281591  | 5.284  | ug/L 99          |
| 3) Chloromethane               | 2.01 | 50  | 283519  | 4.887  | ug/L 97          |
| 5) Vinyl chloride              | 2.16 | 62  | 267249  | 4.863  | ug/L 95          |
| 6) Bromomethane                | 2.52 | 94  | 149604  | 4.789  | ug/L 97          |
| 8) Chloroethane                | 2.66 | 64  | 150908  | 4.833  | ug/L 96          |
| 9) Trichlorofluoromethane      | 2.93 | 101 | 342864m | 5.031  | ug/L 99/24/18 54 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.68 | 101 | 200199  | 4.822  | ug/L 100         |
| 12) 1,1-Dichloroethene         | 3.63 | 96  | 219304  | 4.968  | ug/L 82          |
| 13) Acetone                    | 3.69 | 43  | 140823  | 43.692 | ug/L 95          |
| 14) Carbon disulfide           | 3.93 | 76  | 636590  | 5.126  | ug/L 99          |
| 15) Methyl Acetate             | 4.19 | 43  | 50409   | 4.875  | ug/L 100         |
| 16) Methylene chloride         | 4.40 | 84  | 185578  | 4.676  | ug/L 94          |
| 17) Methyl tert-butyl Ether    | 4.89 | 73  | 368192  | 4.769  | ug/L 99          |
| 18) trans-1,2-Dichloroethene   | 4.89 | 96  | 249824  | 5.003  | ug/L 98          |
| 19) 1,1-Dichloroethane         | 5.69 | 63  | 494886  | 4.847  | ug/L 96          |
| 21) 2-Butanone                 | 6.69 | 43  | 308471  | 45.921 | ug/L 99          |
| 22) cis-1,2-Dichloroethene     | 6.67 | 96  | 243900  | 4.849  | ug/L # 92        |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 23) Bromochloromethane         | 7.04  | 128  | 65655    | 4.953  | ug/L  | 88       |
| 25) Chloroform                 | 7.23  | 83   | 456143   | 4.859  | ug/L  | 99       |
| 27) 1,2-Dichloroethane         | 7.99  | 62   | 226600   | 4.670  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane      | 7.43  | 97   | 410082   | 4.936  | ug/L  | 99       |
| 30) Cyclohexane                | 7.52  | 56   | 482012   | 4.867  | ug/L  | 99       |
| 31) Carbon tetrachloride       | 7.64  | 117  | 340887   | 4.987  | ug/L  | 99       |
| 33) Benzene                    | 7.90  | 78   | 1040489  | 4.819  | ug/L  | 100      |
| 34) Trichloroethene            | 8.71  | 95   | 277188   | 4.837  | ug/L  | 96       |
| 35) Methylcyclohexane          | 8.95  | 83   | 453137   | 4.822  | ug/L  | 99       |
| 37) 1,2-Dichloropropane        | 9.00  | 63   | 229787   | 4.773  | ug/L  | 100      |
| 38) Bromodichloromethane       | 9.28  | 83   | 257758   | 4.849  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene    | 9.72  | 75   | 286862   | 4.867  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone       | 9.86  | 43   | 797275   | 47.568 | ug/L  | 99       |
| 42) Toluene                    | 10.03 | 91   | 1066965  | 4.849  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 10.26 | 75   | 200708   | 4.914  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane      | 10.45 | 97   | 95272    | 4.720  | ug/L  | 95       |
| 47) Tetrachloroethene          | 10.51 | 164  | 158776   | 4.844  | ug/L  | 93       |
| 48) 2-Hexanone                 | 10.63 | 43   | 524977   | 47.627 | ug/L  | 99       |
| 49) Dibromochloromethane       | 10.79 | 129  | 103015   | 4.899  | ug/L  | 98       |
| 50) 1,2-Dibromoethane          | 10.89 | 107  | 86428    | 4.865  | ug/L  | 98       |
| 51) Chlorobenzene              | 11.32 | 112  | 555543   | 4.812  | ug/L  | 99       |
| 52) Ethylbenzene               | 11.39 | 91   | 1260480  | 4.978  | ug/L  | 99       |
| 53) m,p-Xylene                 | 11.50 | 106  | 448906   | 4.917  | ug/L  | 97       |
| 54) o-Xylene                   | 11.83 | 106  | 413240   | 4.943  | ug/L  | 97       |
| 55) Styrene                    | 11.84 | 104  | 643276   | 4.966  | ug/L  | 99       |
| 56) Isopropylbenzene           | 12.13 | 105  | 1183667  | 5.059  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 12.39 | 83   | 99686    | 5.033  | ug/L  | 97       |
| 59) 1,2,3-Trichloropropane     | 12.43 | 75   | 77459    | 4.926  | ug/L  | 99       |
| 61) Bromoform                  | 12.01 | 173  | 33270    | 4.684  | ug/L  | 97       |
| 62) 1,3-Dichlorobenzene        | 13.16 | 146  | 337451   | 4.791  | ug/L  | 95       |
| 63) 1,4-Dichlorobenzene        | 13.24 | 146  | 322957   | 4.751  | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene        | 13.53 | 146  | 252001   | 4.699  | ug/L  | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 14.14 | 75   | 10055    | 4.101  | ug/L  | 88       |
| 67) 1,3,5-Trichlorobenzene     | 14.29 | 180  | 185809   | 4.676  | ug/L  | 98       |
| 68) 1,2,4-trichlorobenzene     | 14.78 | 180  | 120237   | 4.756  | ug/L  | 99       |
| 69) Naphthalene                | 15.00 | 128  | 178104   | 4.841  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.18 | 180  | 83544    | 4.652  | ug/L  | 98       |

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