

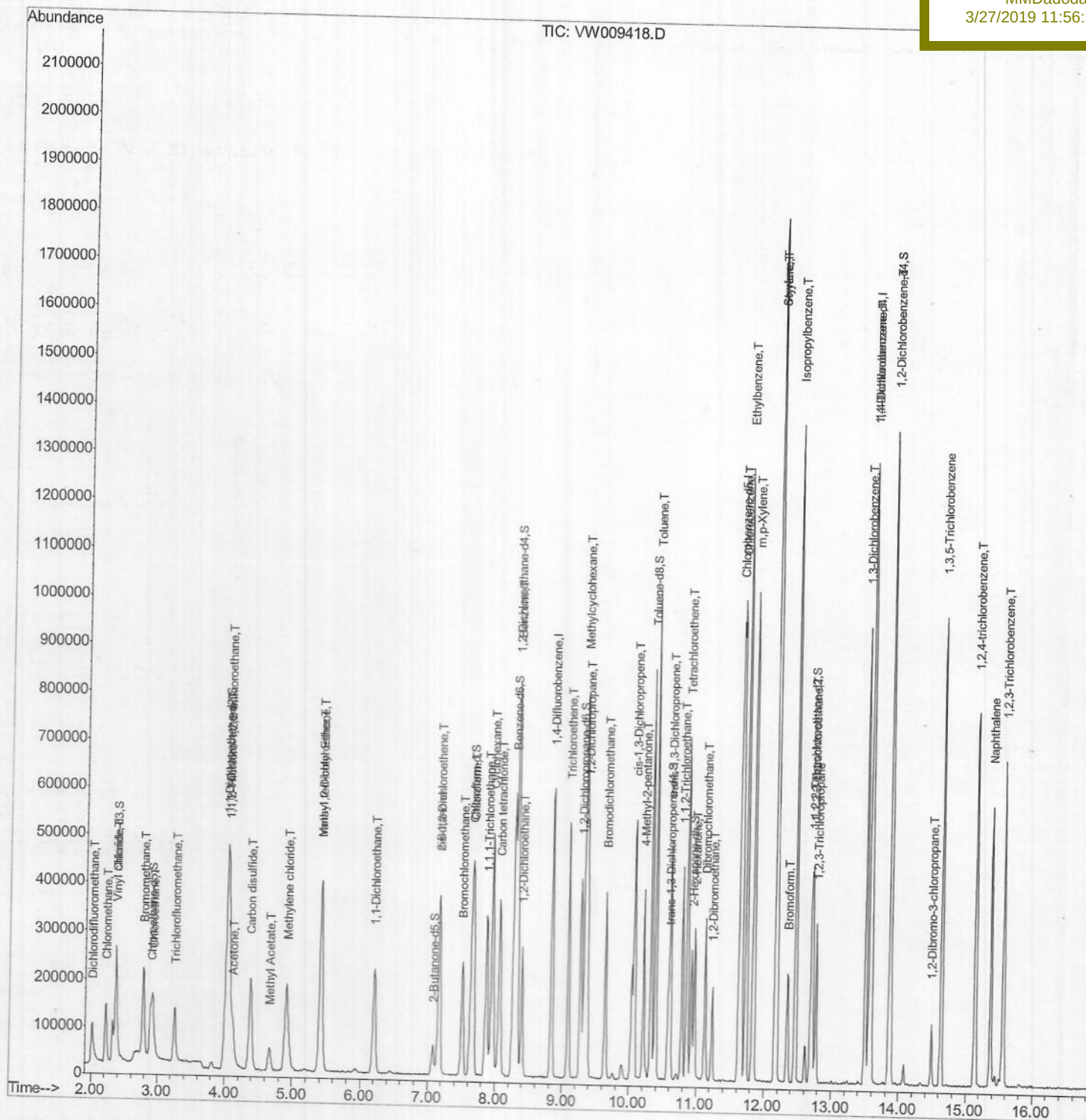
Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW032519\  
Data File : VW009418.D  
Acq On : 25 Mar 2019 10:06  
Operator : SY/VA  
Sample : VSTDCCC025  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 07:48:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Mar 23 23:52:05 2019  
Response via : Initial Calibration

Instrument :  
MSVOA\_W  
LabSampleId :  
VSTD02525

Manual Integrations  
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3/27/2019 11:56:53 AM



# Quantitation Report (Qedit)

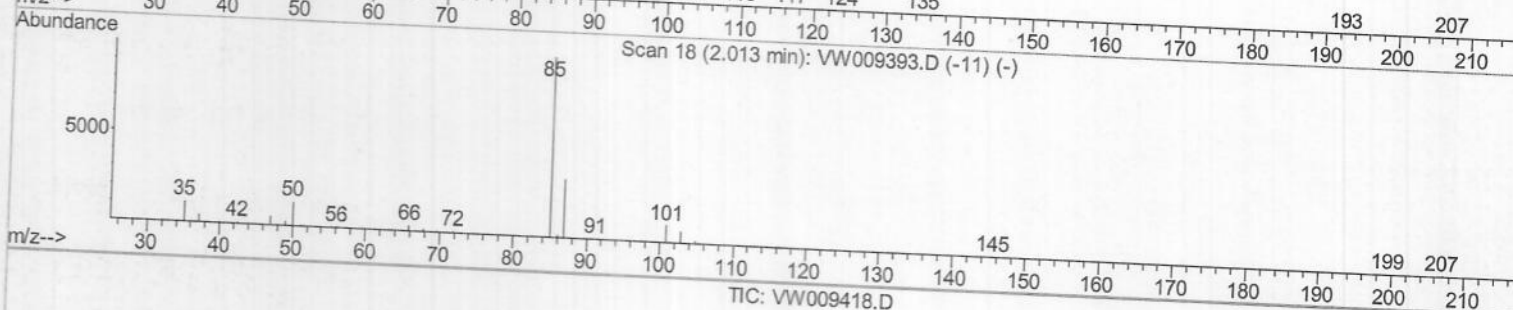
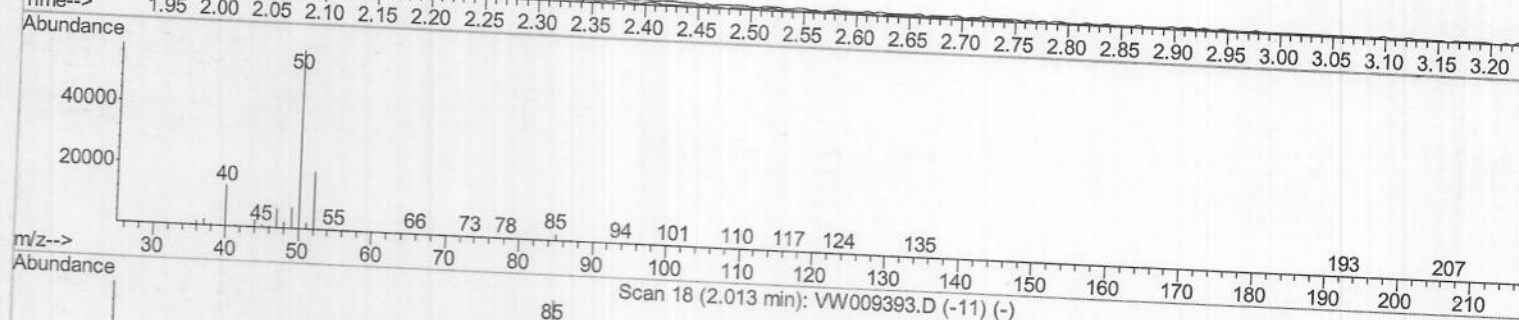
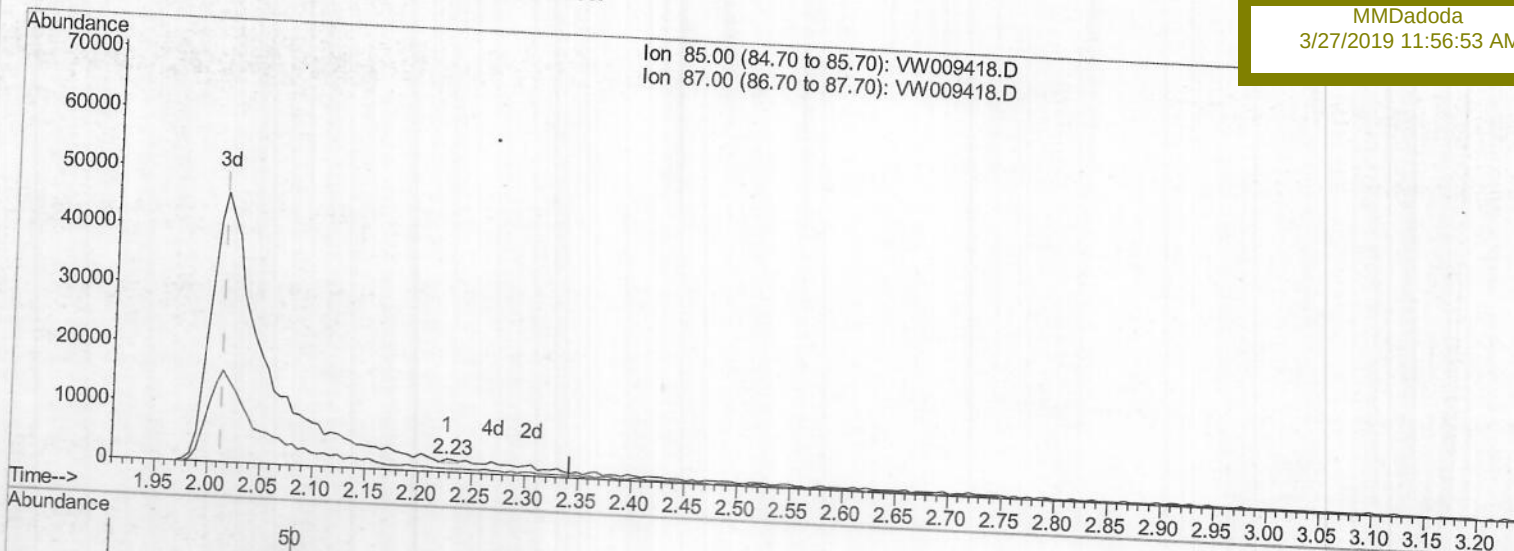
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(2) Dichlorodifluoromethane (T)

2.227min (+0.213) 0.08ug/L

response 476

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 85.00 | 100   | 100   |
| 87.00 | 27.90 | 21.43 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |



# Quantitation Report (Qedit)

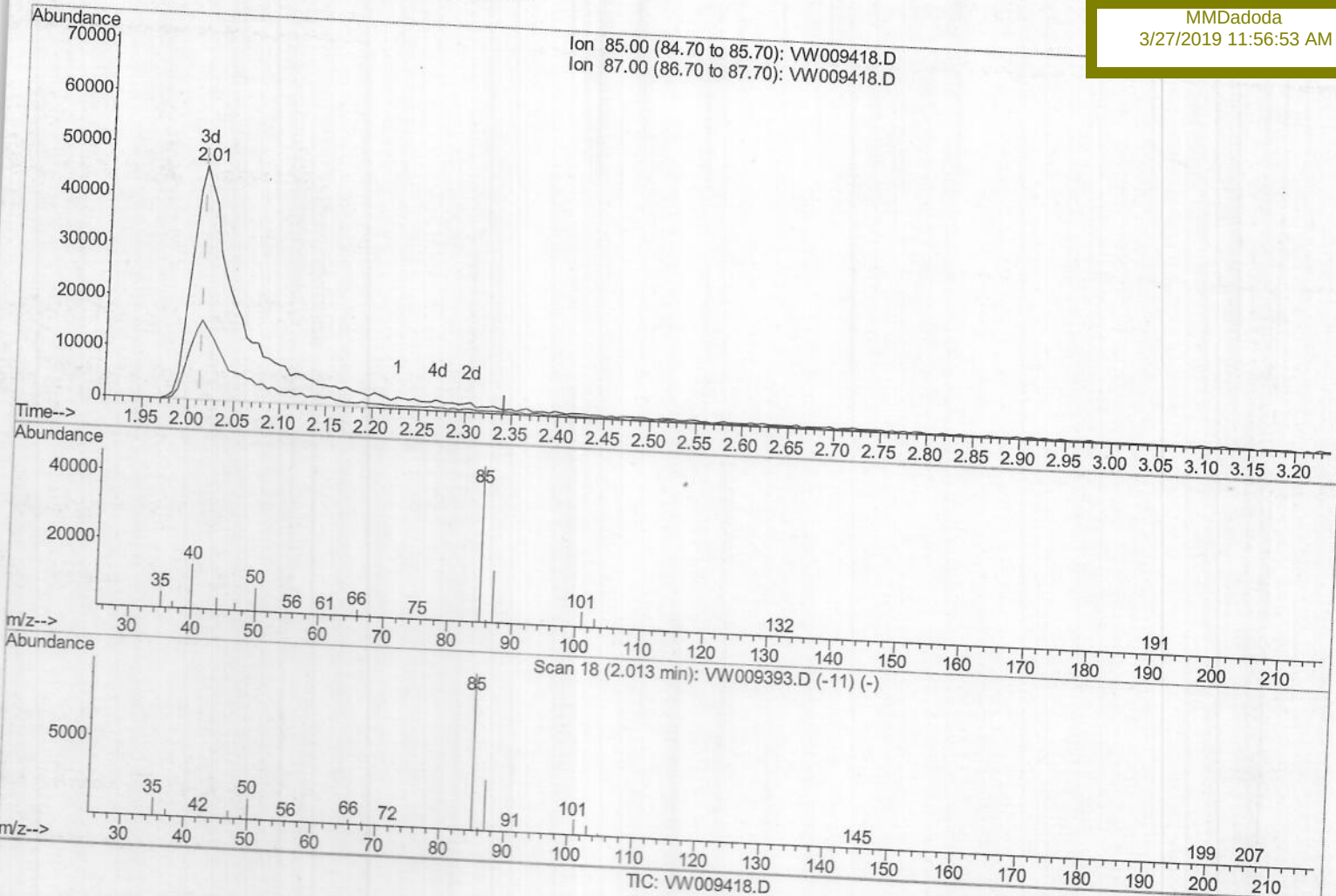
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Manual Integrations  
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 3/27/2019 11:56:53 AM



(2) Dichlorodifluoromethane (T)

2.013min (+0.000) 26.74ug/L m

response 168571

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 85.00 | 100   | 100   |
| 87.00 | 27.90 | 0.06# |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

*M.D*  
*04/02/19*

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW032519\  
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 Response via : Initial Calibration

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTD02525

Manual Integrations  
 APPROVED

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 3/27/2019 11:56:53 AM

| Internal Standards             |        | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|--------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Difluorobenzene         |        | 8.84  | 114  | 478531   | 25.00  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5           |        | 11.63 | 117  | 450164   | 25.00  | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4     |        | 13.56 | 152  | 235919   | 25.00  | ug/L   | 0.00     |
| System Monitoring Compounds    |        |       |      |          |        |        |          |
| 4) Vinyl Chloride-d3           |        | 2.36  | 65   | 125731   | 21.99  | ug/L   | 0.00     |
| Spiked Amount                  | 25.000 |       |      | Recovery | =      | 87.96% |          |
| 7) Chloroethane-d5             |        | 2.89  | 69   | 142117   | 21.24  | ug/L   | 0.00     |
| Spiked Amount                  | 25.000 |       |      | Recovery | =      | 84.96% |          |
| 10) 1,1-Dichloroethene-d2      |        | 4.02  | 63   | 300515   | 24.31  | ug/L   | 0.00     |
| Spiked Amount                  | 25.000 |       |      | Recovery | =      | 97.24% |          |
| 20) 2-Butanone-d5              |        | 7.07  | 46   | 104345   | 44.12  | ug/L   | 0.00     |
| Spiked Amount                  | 50.000 |       |      | Recovery | =      | 88.24% |          |
| 24) Chloroform-d               |        | 7.65  | 84   | 307448   | 23.54  | ug/L   | 0.00     |
| Spiked Amount                  | 25.000 |       |      | Recovery | =      | 94.16% |          |
| 26) 1,2-Dichloroethane-d4      |        | 8.31  | 65   | 182957   | 23.26  | ug/L   | 0.00     |
| Spiked Amount                  | 25.000 |       |      | Recovery | =      | 93.04% |          |
| 29) Benzene-d6                 |        | 8.27  | 84   | 571657   | 23.03  | ug/L   | 0.00     |
| Spiked Amount                  | 25.000 |       |      | Recovery | =      | 92.12% |          |
| 33) 1,2-Dichloropropane-d6     |        | 9.27  | 67   | 175489   | 23.53  | ug/L   | 0.00     |
| Spiked Amount                  | 25.000 |       |      | Recovery | =      | 94.12% |          |
| 37) Toluene-d8                 |        | 10.32 | 98   | 529644   | 23.07  | ug/L   | 0.00     |
| Spiked Amount                  | 25.000 |       |      | Recovery | =      | 92.28% |          |
| 38) trans-1,3-Dichloropropene- |        | 10.58 | 79   | 83602    | 22.32  | ug/L   | 0.00     |
| Spiked Amount                  | 25.000 |       |      | Recovery | =      | 89.28% |          |
| 39) 2-Hexanone-d5              |        | 10.93 | 63   | 80803    | 44.74  | ug/L   | 0.00     |
| Spiked Amount                  | 50.000 |       |      | Recovery | =      | 89.48% |          |
| 48) 1,1,2,2-Tetrachloroethane- |        | 12.69 | 84   | 174276   | 23.73  | ug/L   | 0.00     |
| Spiked Amount                  | 25.000 |       |      | Recovery | =      | 94.92% |          |
| 61) 1,2-Dichlorobenzene-d4     |        | 13.86 | 152  | 206536   | 22.83  | ug/L   | 0.00     |
| Spiked Amount                  | 25.000 |       |      | Recovery | =      | 91.32% |          |
| Target Compounds               |        |       |      |          |        |        |          |
| 2) Dichlorodifluoromethane     |        | 2.01  | 85   | 168571m) | 26.741 | ug/L   | Ovalue   |
| 3) Chloromethane               |        | 2.21  | 50   | 147487   | 22.052 | ug/L   | 100      |
| 5) Vinyl chloride              |        | 2.37  | 62   | 203701   | 29.590 | ug/L   | 99       |
| 6) Bromomethane                |        | 2.78  | 94   | 150387   | 26.075 | ug/L   | 100      |
| 8) Chloroethane                |        | 2.92  | 64   | 146560   | 25.733 | ug/L   | 93       |
| 9) Trichlorofluoromethane      |        | 3.25  | 101  | 125555   | 23.089 | ug/L   | 98       |
| 11) 1,1,2-Trichloro-1,2,2-trif |        | 4.06  | 101  | 160695   | 25.589 | ug/L   | 93       |
| 12) 1,1-Dichloroethene         |        | 4.03  | 96   | 157166   | 26.671 | ug/L   | 93       |
| 13) Acetone                    |        | 4.12  | 43   | 100142   | 51.637 | ug/L   | 99       |
| 14) Carbon disulfide           |        | 4.37  | 76   | 452003   | 28.501 | ug/L   | 99       |
| 15) Methyl Acetate             |        | 4.67  | 43   | 87830    | 23.053 | ug/L   | 96       |
| 16) Methylene chloride         |        | 4.92  | 84   | 162062   | 23.224 | ug/L   | 94       |
| 17) Methyl tert-butyl Ether    |        | 5.42  | 73   | 207581   | 24.896 | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene   |        | 5.42  | 96   | 157365   | 25.400 | ug/L   | 93       |
| 19) 1,1-Dichloroethane         |        | 6.21  | 63   | 300205   | 26.575 | ug/L   | 98       |
| 21) 2-Butanone                 |        | 7.17  | 43   | 127363   | 47.563 | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene     |        | 7.16  | 96   | 173416   | 25.839 | ug/L   | 98       |

M2WLM031419S.M Tue Mar 26 07:45:44 2019



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Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTD02525

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Manual Integrations  
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 3/27/2019 11:56:53 AM

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 23) Bromochloromethane         | 7.51  | 128  | 78440    | 24.368 | ug/L  | 99       |
| 25) Chloroform                 | 7.67  | 83   | 313324   | 26.485 | ug/L  | 99       |
| 27) 1,2-Dichloroethane         | 8.40  | 62   | 230991   | 26.189 | ug/L  | 98       |
| 30) Cyclohexane                | 7.95  | 56   | 275142   | 26.912 | ug/L  | 99       |
| 31) 1,1,1-Trichloroethane      | 7.87  | 97   | 257093   | 28.595 | ug/L  | 100      |
| 32) Carbon tetrachloride       | 8.07  | 117  | 256278   | 28.252 | ug/L  | 99       |
| 34) Benzene                    | 8.32  | 78   | 663840   | 26.942 | ug/L  | 100      |
| 35) Trichloroethene            | 9.09  | 95   | 172669   | 26.300 | ug/L  | 98       |
| 36) Methylcyclohexane          | 9.33  | 83   | 298419   | 26.272 | ug/L  | 98       |
| 40) 1,2-Dichloropropane        | 9.37  | 63   | 164986   | 26.094 | ug/L  | 99       |
| 41) Bromodichloromethane       | 9.64  | 83   | 231569   | 26.433 | ug/L  | 97       |
| 42) cis-1,3-Dichloropropene    | 10.07 | 75   | 270087   | 26.227 | ug/L  | 99       |
| 43) 4-Methyl-2-pentanone       | 10.21 | 43   | 260438   | 45.457 | ug/L  | 100      |
| 44) Toluene                    | 10.38 | 91   | 723588   | 26.859 | ug/L  | 100      |
| 45) trans-1,3-Dichloropropene  | 10.60 | 75   | 235881   | 26.331 | ug/L  | 99       |
| 46) 1,1,2-Trichloroethane      | 10.79 | 97   | 126178   | 25.015 | ug/L  | 98       |
| 47) Tetrachloroethene          | 10.86 | 164  | 143023   | 25.782 | ug/L  | 98       |
| 49) 2-Hexanone                 | 10.97 | 43   | 198574   | 49.210 | ug/L  | 99       |
| 50) Dibromochloromethane       | 11.13 | 129  | 159844   | 25.670 | ug/L  | 95       |
| 51) 1,2-Dibromoethane          | 11.24 | 107  | 126522   | 24.742 | ug/L  | 96       |
| 52) Chlorobenzene              | 11.66 | 112  | 458268   | 26.522 | ug/L  | 98       |
| 53) Ethylbenzene               | 11.73 | 91   | 828309   | 27.348 | ug/L  | 99       |
| 54) m,p-Xylene                 | 11.84 | 106  | 310567   | 26.990 | ug/L  | 95       |
| 55) o-xylene                   | 12.16 | 106  | 298023   | 26.548 | ug/L  | 97       |
| 56) Styrene                    | 12.18 | 104  | 521077   | 27.205 | ug/L  | 98       |
| 57) Isopropylbenzene           | 12.46 | 105  | 834232   | 27.742 | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 171304   | 25.174 | ug/L  | 95       |
| 59) 1,2,3-Trichloropropane     | 12.77 | 75   | 126214   | 24.992 | ug/L  | 100      |
| 62) Bromoform                  | 12.35 | 173  | 98161    | 24.625 | ug/L  | 98       |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 358680   | 25.510 | ug/L  | 98       |
| 64) 1,4-Dichlorobenzene        | 13.58 | 146  | 377682   | 25.981 | ug/L  | 96       |
| 65) 1,2-Dichlorobenzene        | 13.87 | 146  | 349237   | 26.045 | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 31512    | 23.979 | ug/L  | 89       |
| 67) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 284400   | 25.932 | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene     | 15.14 | 180  | 234613   | 25.468 | ug/L  | 99       |
| 69) Naphthalene                | 15.37 | 128  | 469332   | 24.574 | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.56 | 180  | 219288   | 25.415 | ug/L  | 98       |

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