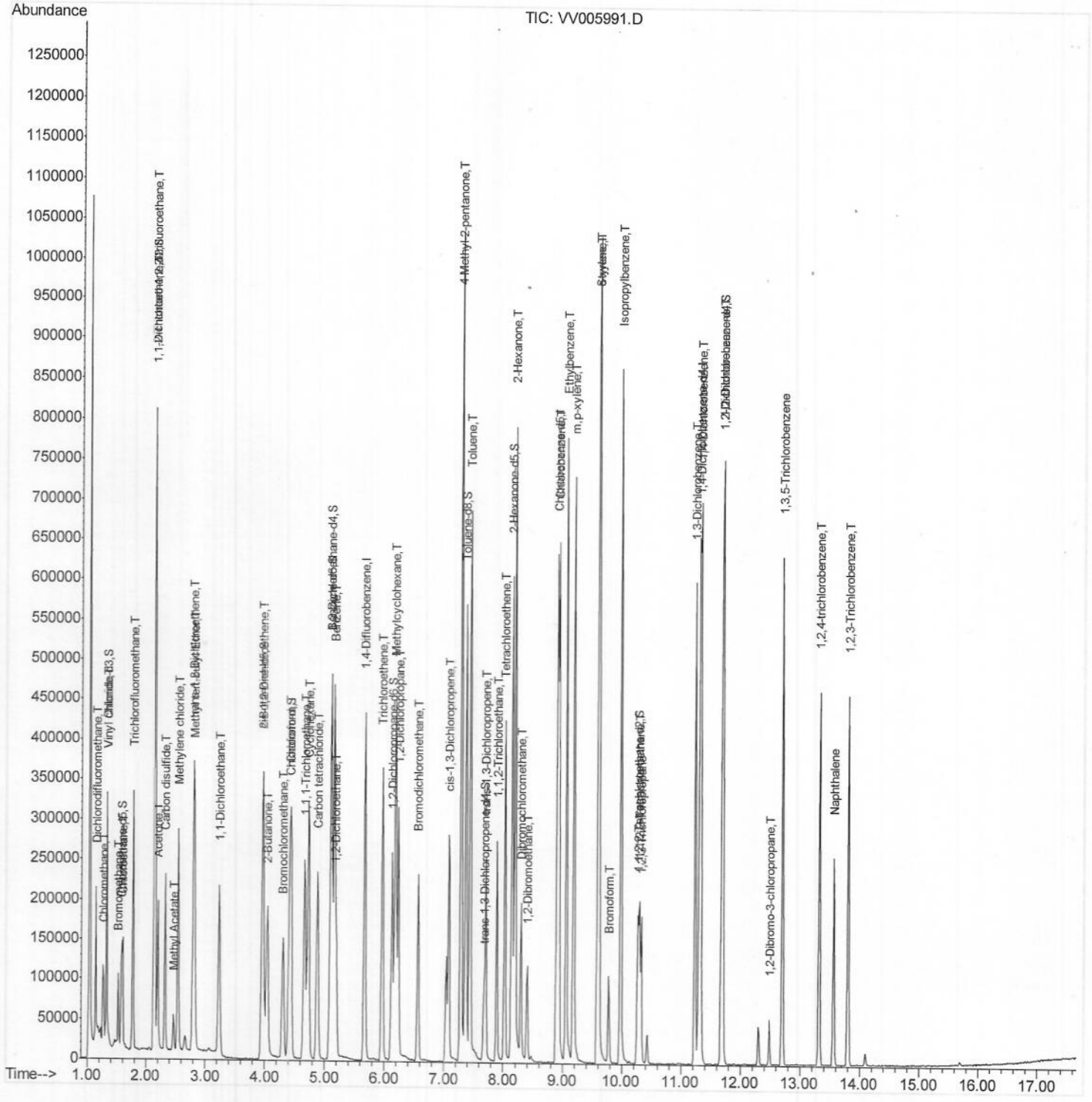
Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV052218\
Data File : VV005991.D
Acq On : 22 May 2018 11:40
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 01:10:56 2018
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR051818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 22 02:47:49 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV052218\
Data File : VV005991.D
Acq On : 22 May 2018 11:40
Operator : SY/MD
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Misc : 25.0 mL/MSVOA_V/WATER
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Quant Time: May 23 01:09:56 2018
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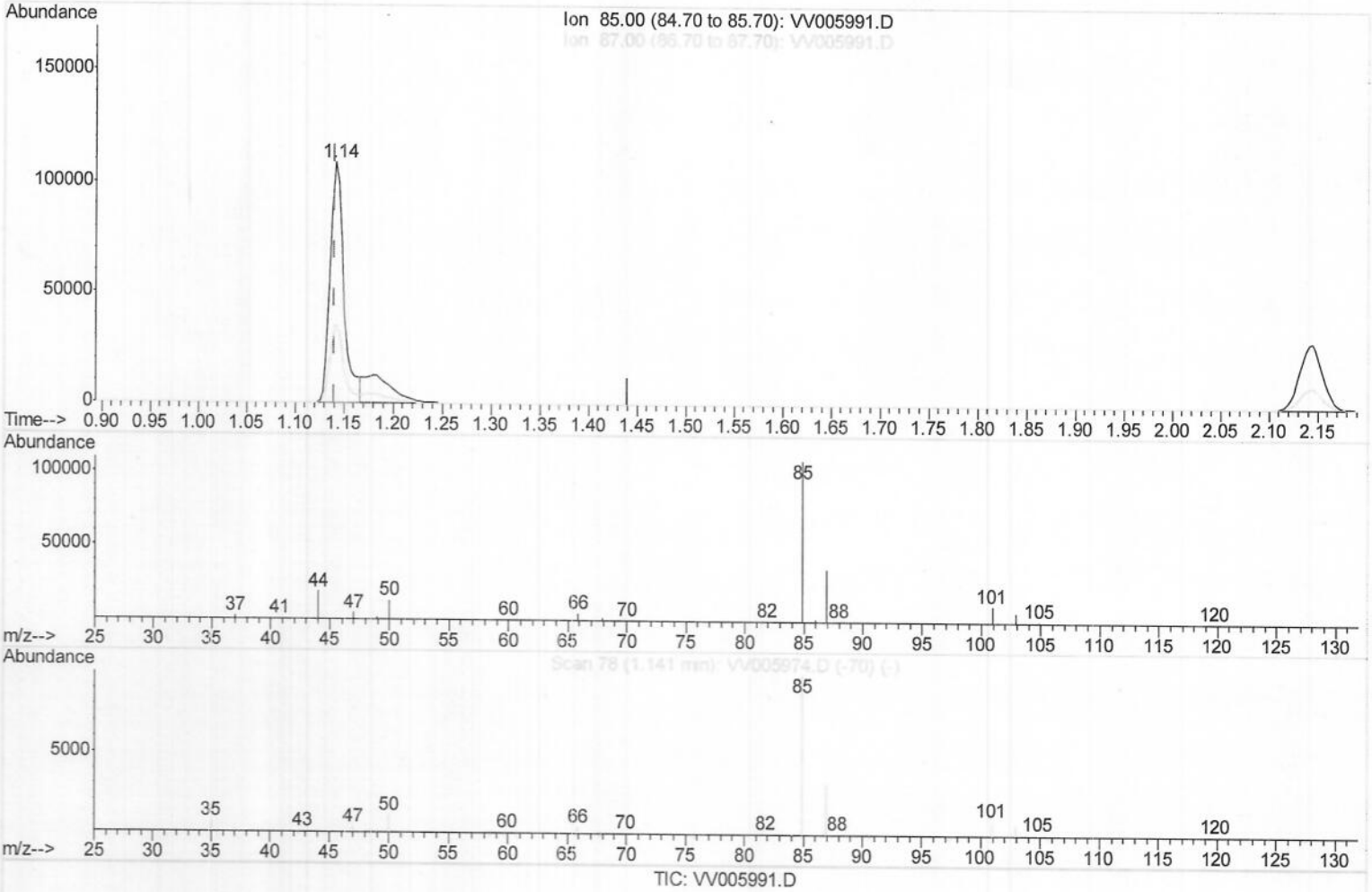
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 22 02:47:49 2018
Response via : Initial Calibration




TIC: VV005991.D

(2) Dichlorodifluoromethane (T)

1.141min (+0.000) 4.21ug/L

response 105694

| Ion | Exp% | Act% |
|---|---|---|
| 85.00 | 100 | 100 |
| 87.00 | 33.10 | 32.90 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV052218\
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QLast Update : Tue May 22 02:47:49 2018
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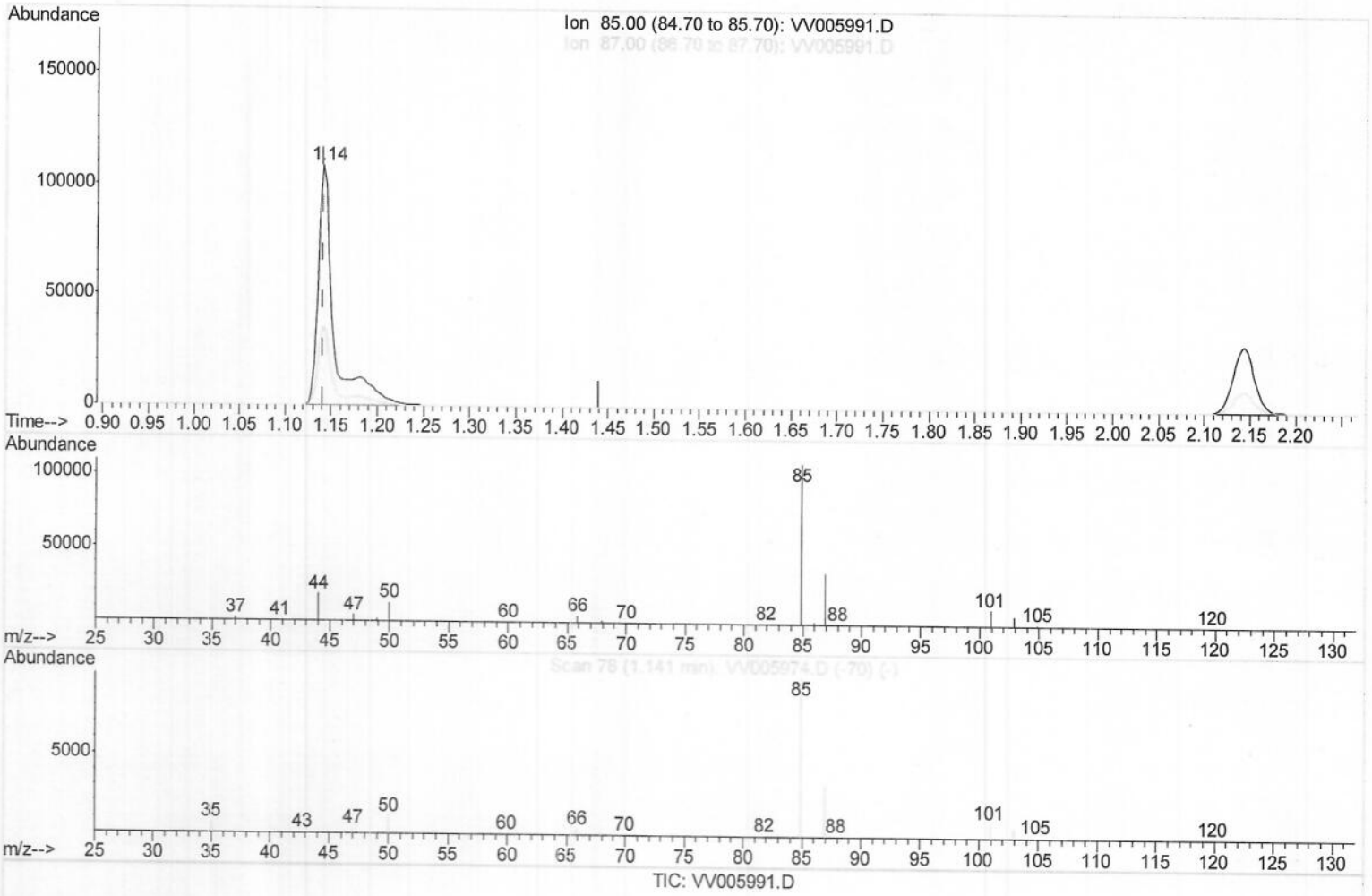


(2) Dichlorodifluoromethane (T)

1.141min (+0.000) 5.21ug/L m) MD 05/28/18

response 130908

| Ion | Exp% | Act% |
|---|---|---|
| 85.00 | 100 | 100 |
| 87.00 | 33.10 | 26.56 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV052218\
Data File : VV005991.D
Acq On : 22 May 2018 11:40
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 01:10:56 2018
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 22 02:47:49 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 349136 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 331065 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 150735 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 104214 | 4.11 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 82.20% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 85009 | 4.39 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 87.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 202151 | 4.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 87.00% | | | |
| 20) 2-Butanone-d5 | 3.95 | 46 | 245214 | 48.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 96.04% | | | |
| 24) Chloroform-d | 4.41 | 84 | 206652 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 109073 | 4.65 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 93.00% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 391597 | 4.43 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 88.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 118693 | 4.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 90.20% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 361416 | 4.39 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 87.80% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 45800 | 4.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 89.60% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 194527 | 47.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 94.00% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84 | 83727 | 4.63 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 92.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 125794 | 4.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 90.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 130908m | 5.21 | ug/L | |
| 3) Chloromethane | 1.26 | 50 | 110961 | 5.00 | ug/L | 100 |
| 5) Vinyl chloride | 1.33 | 62 | 118456 | 4.97 | ug/L | 97 |
| 6) Bromomethane | 1.52 | 94 | 35367 | 4.47 | ug/L | 99 |
| 8) Chloroethane | 1.59 | 64 | 74631 | 4.63 | ug/L | 96 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 183134 | 4.99 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 109189 | 5.16 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 92686 | 4.97 | ug/L | 90 |
| 13) Acetone | 2.20 | 43 | 170206 | 51.19 | ug/L | 100 |
| 14) Carbon disulfide | 2.32 | 76 | 234624 | 4.74 | ug/L | 99 |
| 15) Methyl Acetate | 2.47 | 43 | 45264 | 5.07 | ug/L | 100 |
| 16) Methylene chloride | 2.54 | 84 | 107146 | 4.75 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 2.82 | 73 | 241863 | 4.72 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 99036 | 4.82 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 210726 | 5.21 | ug/L | 98 |
| 21) 2-Butanone | 4.04 | 43 | 277245 | 50.27 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 3.97 | 96 | 121379 | 4.99 | ug/L | 100 |

) MD 05/28/18

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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.31 | 128 | 50388 | 5.17 | ug/L | 97 |
| 25) Chloroform | 4.43 | 83 | 235509 | 4.99 | ug/L | 100 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 136486 | 4.92 | ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 196899 | 4.92 | ug/L | 99 |
| 30) Cyclohexane | 4.73 | 56 | 166032 | 4.80 | ug/L | 99 |
| 31) Carbon tetrachloride | 4.88 | 117 | 174424 | 5.06 | ug/L | 99 |
| 33) Benzene | 5.15 | 78 | 446043 | 4.90 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 125650 | 4.86 | ug/L | 99 |
| 35) Methylcyclohexane | 6.18 | 83 | 173727 | 4.82 | ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 113214 | 4.80 | ug/L | 98 |
| 38) Bromodichloromethane | 6.56 | 83 | 149882 | 4.98 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 7.08 | 75 | 160484 | 4.96 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 691012 | 50.79 | ug/L | 100 |
| 42) Toluene | 7.44 | 91 | 474941 | 4.94 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 131892 | 5.01 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 82041 | 5.07 | ug/L | 99 |
| 47) Tetrachloroethene | 8.02 | 164 | 89540 | 4.91 | ug/L | 97 |
| 48) 2-Hexanone | 8.19 | 43 | 489404 | 50.45 | ug/L | 98 |
| 49) Dibromochloromethane | 8.30 | 129 | 94316 | 5.01 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 73055 | 4.98 | ug/L | 98 |
| 51) Chlorobenzene | 8.93 | 112 | 316405 | 4.90 | ug/L | 99 |
| 52) Ethylbenzene | 9.06 | 91 | 541434 | 5.03 | ug/L | 98 |
| 53) m,p-xylene | 9.19 | 106 | 201736 | 5.13 | ug/L | 96 |
| 54) o-xylene | 9.59 | 106 | 198804 | 5.17 | ug/L | 100 |
| 55) Styrene | 9.61 | 104 | 336119 | 5.25 | ug/L | 98 |
| 56) Isopropylbenzene | 9.98 | 105 | 545729 | 5.17 | ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 89290 | 4.90 | ug/L | 97 |
| 59) 1,2,3-Trichloropropane | 10.33 | 75 | 73582 | 5.13 | ug/L | 98 |
| 61) Bromoform | 9.78 | 173 | 46072 | 5.10 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 238097 | 5.06 | ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 241186 | 5.01 | ug/L | 97 |
| 65) 1,2-Dichlorobenzene | 11.70 | 146 | 234580 | 5.14 | ug/L | 98 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 13807 | 5.12 | ug/L | 97 |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 178014 | 5.08 | ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.32 | 180 | 131373 | 4.93 | ug/L | 99 |
| 69) Naphthalene | 13.56 | 128 | 203356 | 4.90 | ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 128171 | 5.06 | ug/L | 99 |

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