

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090122\  
 Data File : VV027720.D  
 Acq On : 02 Sep 2022 13:35  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005281

Quant Time: Sep 03 04:18:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR083122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 02 03:03:49 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.616  | 114  | 129370   | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.850  | 117  | 126521   | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.246 | 152  | 68336    | 5.000 | ug/L  | 0.00     |

09/03/2022  
 Supervised By :Mahesh  
 adoda

|                               |        |       |          |          |      |         |
|-------------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds   |        |       |          |          |      |         |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 61259    | 4.359    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 87.200% |
| 7) Chloroethane-d5            | 1.568  | 69    | 50762    | 4.317    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 86.400% |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 126133   | 4.585    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 91.800% |
| 20) 2-Butanone-d5             | 3.896  | 46    | 97543m   | 41.050   | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 82.100% |
| 24) Chloroform-d              | 4.346  | 84    | 122609   | 4.346    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 87.000% |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 56426    | 4.464    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 89.200% |
| 32) Benzene-d6                | 5.047  | 84    | 233285   | 4.501    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 90.000% |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 64562    | 4.028    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 80.600% |
| 41) Toluene-d8                | 7.313  | 98    | 218582   | 4.870    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 97.400% |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 23046    | 4.667    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 93.400% |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 81060    | 43.649   | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 87.300% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 42694    | 4.139    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 82.800% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 69637    | 4.552    | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 91.000% |

09/03/2022

|                               |       |     |        |        |          |
|-------------------------------|-------|-----|--------|--------|----------|
| Target Compounds              |       |     |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.130 | 85  | 90840  | 5.154  | ug/L 100 |
| 3) Chloromethane              | 1.240 | 50  | 76649  | 4.542  | ug/L 99  |
| 5) Vinyl chloride             | 1.311 | 62  | 78697  | 4.897  | ug/L 99  |
| 6) Bromomethane               | 1.523 | 94  | 36008  | 4.768  | ug/L 99  |
| 8) Chloroethane               | 1.584 | 64  | 46332  | 5.159  | ug/L 99  |
| 9) Trichlorofluoromethane     | 1.751 | 101 | 120384 | 5.586  | ug/L 99  |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114 | 101 | 61111  | 5.209  | ug/L 99  |
| 12) 1,1-Dichloroethene        | 2.118 | 96  | 56709  | 5.251  | ug/L 89  |
| 13) Acetone                   | 2.179 | 43  | 76240m | 47.417 | ug/L     |
| 14) Carbon disulfide          | 2.291 | 76  | 176496 | 5.173  | ug/L 100 |
| 15) Methyl Acetate            | 2.439 | 43  | 17052  | 3.998  | ug/L 97  |
| 16) Methylene chloride        | 2.503 | 84  | 68525  | 5.030  | ug/L 91  |
| 17) Methyl tert-butyl Ether   | 2.767 | 73  | 112692 | 4.885  | ug/L 97  |
| 18) trans-1,2-Dichloroethene  | 2.757 | 96  | 59847  | 4.890  | ug/L 99  |
| 19) 1,1-Dichloroethane        | 3.188 | 63  | 115402 | 4.816  | ug/L 100 |
| 21) 2-Butanone                | 3.979 | 43  | 84967  | 38.964 | ug/L 91  |
| 22) cis-1,2-Dichloroethene    | 3.908 | 96  | 60958  | 4.990  | ug/L 89  |
| 23) Bromochloromethane        | 4.246 | 128 | 26856  | 4.963  | ug/L 92  |
| 25) Chloroform                | 4.371 | 83  | 122755 | 4.879  | ug/L 98  |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005281

Quant Time: Sep 03 04:18:16 2022  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 02 03:03:49 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :John  
 Carlone

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 69238    | 5.040  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 112388   | 5.137  | ug/L   | 98       |
| 30) Cyclohexane               | 4.674  | 56   | 88502    | 4.796  | ug/L   | 93       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 99122    | 5.295  | ug/L   | 100      |
| 33) Benzene                   | 5.098  | 78   | 255148   | 5.170  | ug/L   | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 60867    | 5.018  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.127  | 83   | 95175    | 5.056  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 61833    | 4.962  | ug/L # | 95       |
| 38) Bromodichloromethane      | 6.506  | 83   | 78813    | 5.001  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 75512    | 4.964  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 270226   | 48.794 | ug/L # | 98       |
| 42) Toluene                   | 7.384  | 91   | 271427   | 5.508  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 65120    | 5.252  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 41069    | 5.110  | ug/L   | 99       |
| 47) Tetrachloroethene         | 7.973  | 164  | 52110    | 5.298  | ug/L   | 99       |
| 48) 2-Hexanone                | 8.140  | 43   | 201759   | 48.545 | ug/L # | 96       |
| 49) Dibromochloromethane      | 8.243  | 129  | 48627    | 5.106  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 35659    | 4.953  | ug/L   | 98       |
| 51) Chlorobenzene             | 8.879  | 112  | 166654   | 5.364  | ug/L   | 96       |
| 52) Ethylbenzene              | 9.011  | 91   | 268621   | 5.381  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.137  | 106  | 107700   | 5.612  | ug/L   | 94       |
| 54) o-Xylene                  | 9.542  | 106  | 102218   | 5.581  | ug/L   | 97       |
| 55) Styrene                   | 9.558  | 104  | 176276   | 5.636  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 43501    | 4.895  | ug/L   | 99       |
| 59) Bromoform                 | 9.728  | 173  | 23848    | 4.913  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 273685   | 5.292  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 31109    | 4.499  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 74451    | 5.276  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 208679   | 5.143  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 131607   | 5.273  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 129316   | 5.211  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 117772   | 5.261  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 6607     | 4.798  | ug/L   | 87       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 96635    | 5.370  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 70519    | 5.317  | ug/L   | 99       |
| 71) Naphthalene               | 13.500 | 128  | 85004    | 4.095  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 58486    | 4.895  | ug/L   | 98       |

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

