

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110221\  
 Data File : VX025044.D  
 Acq On : 02 Nov 2021 13:15  
 Operator : JC/MD  
 Sample : MDL03  
 Misc : 25.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/03/2021  
 Supervised By : Mahesh Dadoda 11/10/2021

Quant Time: Nov 03 01:16:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXTR102221WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 03 00:53:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.769  | 114            | 78409    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117            | 73023    | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 35155    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.368  | 65             | 13940    | 6.056  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 121.200% |          |
| 7) Chloroethane-d5            | 1.672  | 69             | 10951    | 5.280  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 105.600% |          |
| 11) 1,1-Dichloroethene-d2     | 2.312  | 63             | 29792    | 3.472  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 69.400%  |          |
| 20) 2-Butanone-d5             | 4.495  | 46             | 48631    | 57.784 | ug/L     | 0.02     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 115.560% |          |
| 24) Chloroform-d              | 5.062  | 84             | 47659    | 4.301  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 86.000%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.964  | 65             | 27814    | 4.592  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 91.800%  |          |
| 32) Benzene-d6                | 5.983  | 84             | 78634    | 4.622  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 92.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 7.318  | 67             | 25377    | 4.675  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 93.400%  |          |
| 41) Toluene-d8                | 8.653  | 98             | 78738    | 4.616  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 92.400%  |          |
| 43) trans-1,3-Dichloroprop... | 8.952  | 79             | 11742    | 4.713  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 94.200%  |          |
| 46) 2-Hexanone-d5             | 9.390  | 63             | 42819    | 47.752 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 95.500%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195 | 84             | 18221    | 4.392  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 87.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.323 | 152            | 26543    | 4.480  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 89.600%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166  | 85             | 1797     | 0.200  | ug/L     | 98       |
| 3) Chloromethane              | 1.294  | 50             | 889      | 0.283  | ug/L     | 87       |
| 5) Vinyl chloride             | 1.374  | 62             | 1223     | 0.318  | ug/L #   | 74       |
| 6) Bromomethane               | 1.617  | 94             | 900      | 0.300  | ug/L #   | 67       |
| 8) Chloroethane               | 1.697  | 64             | 719      | 0.312  | ug/L     | 96       |
| 9) Trichlorofluoromethane     | 1.892  | 101            | 2907     | 0.254  | ug/L     | 87       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.325  | 101            | 1645     | 0.274  | ug/L #   | 81       |
| 12) 1,1-Dichloroethene        | 2.319  | 96             | 1454     | 0.302  | ug/L #   | 1        |
| 13) Acetone                   | 2.422  | 43             | 2181m    | 3.455  | ug/L     |          |
| 14) Carbon disulfide          | 2.514  | 76             | 3595     | 0.274  | ug/L #   | 86       |
| 15) Methyl Acetate            | 2.721  | 43             | 448      | 0.312  | ug/L #   | 52       |
| 16) Methylene chloride        | 2.800  | 84             | 2642     | 0.473  | ug/L #   | 69       |
| 17) Methyl tert-butyl Ether   | 3.111  | 73             | 3122     | 0.226  | ug/L #   | 92       |
| 18) trans-1,2-Dichloroethene  | 3.093  | 96             | 1159     | 0.207  | ug/L     | 91       |
| 19) 1,1-Dichloroethane        | 3.617  | 63             | 2302     | 0.235  | ug/L #   | 87       |
| 21) 2-Butanone                | 4.599  | 43             | 2888m    | 3.110  | ug/L     |          |
| 22) cis-1,2-Dichloroethene    | 4.501  | 96             | 1444     | 0.240  | ug/L #   | 65       |
| 23) Bromochloromethane        | 4.903  | 128            | 586      | 0.216  | ug/L #   | 79       |
| 25) Chloroform                | 5.111  | 83             | 4337     | 0.340  | ug/L     | 88       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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Quant Time: Nov 03 01:16:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXTR102221WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 03 00:53:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.092  | 62   | 2222     | 0.285 | ug/L # | 85       |
| 29) 1,1,1-Trichloroethane     | 5.385  | 97   | 2662     | 0.210 | ug/L # | 65       |
| 30) Cyclohexane               | 5.483  | 56   | 2015m    | 0.256 | ug/L   |          |
| 31) Carbon tetrachloride      | 5.672  | 117  | 2299     | 0.211 | ug/L   | 86       |
| 33) Benzene                   | 6.044  | 78   | 5307     | 0.249 | ug/L   | 100      |
| 34) Trichloroethene           | 7.135  | 95   | 1680     | 0.242 | ug/L # | 83       |
| 35) Methylcyclohexane         | 7.385  | 83   | 1953     | 0.201 | ug/L # | 75       |
| 37) 1,2-Dichloropropane       | 7.446  | 63   | 1456     | 0.279 | ug/L # | 91       |
| 38) Bromodichloromethane      | 7.836  | 83   | 2238     | 0.258 | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 8.372  | 75   | 2147     | 0.244 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 6490     | 2.794 | ug/L # | 74       |
| 42) Toluene                   | 8.720  | 91   | 6891     | 0.276 | ug/L   | 89       |
| 44) trans-1,3-Dichloropropene | 8.988  | 75   | 1913m    | 0.240 | ug/L   |          |
| 45) 1,1,2-Trichloroethane     | 9.159  | 97   | 1133     | 0.270 | ug/L   | 87       |
| 47) Tetrachloroethene         | 9.281  | 164  | 1144     | 0.236 | ug/L   | 84       |
| 48) 2-Hexanone                | 9.433  | 43   | 5007     | 2.952 | ug/L # | 94       |
| 49) Dibromochloromethane      | 9.525  | 129  | 1206     | 0.220 | ug/L   | 77       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 1040     | 0.247 | ug/L # | 84       |
| 51) Chlorobenzene             | 10.079 | 112  | 3328     | 0.210 | ug/L # | 82       |
| 52) Ethylbenzene              | 10.201 | 91   | 6098     | 0.207 | ug/L   | 94       |
| 53) m,p-xylene                | 10.311 | 106  | 2035     | 0.195 | ug/L   | 72       |
| 54) o-xylene                  | 10.646 | 106  | 1906     | 0.187 | ug/L   | 96       |
| 55) Styrene                   | 10.665 | 104  | 3459     | 0.202 | ug/L # | 74       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 1288     | 0.266 | ug/L # | 75       |
| 59) Bromoform                 | 10.805 | 173  | 541      | 0.222 | ug/L # | 96       |
| 60) Isopropylbenzene          | 10.963 | 105  | 6069     | 0.217 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 819      | 0.239 | ug/L # | 49       |
| 62) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 5315     | 0.217 | ug/L   | 91       |
| 63) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 5319     | 0.212 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 2619     | 0.225 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 3041     | 0.260 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 2417     | 0.226 | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.122 | 180  | 2222     | 0.251 | ug/L   | 94       |
| 70) 1,2,4-trichlorobenzene    | 13.597 | 180  | 1323     | 0.189 | ug/L # | 89       |
| 71) Naphthalene               | 13.786 | 128  | 1687     | 0.133 | ug/L # | 87       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 1065     | 0.169 | ug/L   | 94       |

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

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