

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090622\  
 Data File : VV027748.D  
 Acq On : 06 Sep 2022 17:38  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005284

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 09/08/2022  
 Supervised By :Mahesh Dadoda 09/08/2022

Quant Time: Sep 07 06:03:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR090622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 07 05:56:09 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.593  | 114   | 179587   | 5.000    | ug/L   | -0.01    |
| 28) Chlorobenzene-d5          | 8.857  | 117   | 142670   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 80411    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.297  | 65    | 56146    | 4.743    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 94.800%  |
| 7) Chloroethane-d5            | 1.558  | 69    | 47764    | 4.756    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.098  | 63    | 124033   | 4.938    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 98.800%  |
| 20) 2-Butanone-d5             | 3.940  | 46    | 139075   | 53.012   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 106.020% |
| 24) Chloroform-d              | 4.346  | 84    | 112310   | 4.634    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65    | 62293    | 4.826    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.600%  |
| 32) Benzene-d6                | 5.030  | 84    | 209433   | 5.060    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.200% |
| 36) 1,2-Dichloropropane-d6    | 6.050  | 67    | 66952m   | 5.525    | ug/L   | -0.02    |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 110.400% |
| 41) Toluene-d8                | 7.323  | 98    | 187368   | 5.384    | ug/L   | 0.02     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 107.600% |
| 43) trans-1,3-Dichloroprop... | 7.635  | 79    | 20172    | 4.962    | ug/L   | 0.01     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.200%  |
| 46) 2-Hexanone-d5             | 8.117  | 63    | 77331    | 51.173   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 102.340% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220 | 84    | 40704    | 5.231    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 104.600% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 62581    | 4.738    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 94.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124  | 85    | 84660    | 4.802    | ug/L   | 100      |
| 3) Chloromethane              | 1.230  | 50    | 73861    | 4.601    | ug/L   | 95       |
| 5) Vinyl chloride             | 1.301  | 62    | 80407    | 4.973    | ug/L   | 99       |
| 6) Bromomethane               | 1.513  | 94    | 40733    | 4.677    | ug/L   | 94       |
| 8) Chloroethane               | 1.577  | 64    | 47288    | 5.093    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.741  | 101   | 130839   | 4.994    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.104  | 101   | 64131    | 5.022    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.108  | 96    | 59155    | 4.970    | ug/L   | 98       |
| 13) Acetone                   | 2.220  | 43    | 98942    | 50.616   | ug/L   | 93       |
| 14) Carbon disulfide          | 2.281  | 76    | 172207   | 4.873    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.449  | 43    | 26228    | 5.059    | ug/L   | 96       |
| 16) Methylene chloride        | 2.497  | 84    | 62811    | 4.098    | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 2.780  | 73    | 150520   | 5.328    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.751  | 96    | 64866    | 5.161    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.182  | 63    | 125283   | 5.311    | ug/L   | 99       |
| 21) 2-Butanone                | 4.030  | 43    | 150387   | 54.502   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 3.902  | 96    | 68622    | 5.009    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.243  | 128   | 27930    | 4.855    | ug/L   | 95       |
| 25) Chloroform                | 4.371  | 83    | 125751   | 4.805    | ug/L   | 97       |

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005284

Quant Time: Sep 07 06:03:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR090622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 07 05:56:09 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 09/08/2022  
 Supervised By :Mahesh Dadoda 09/08/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.120  | 62   | 79179    | 4.990  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 4.593  | 97   | 115165   | 5.248  | ug/L  | 97       |
| 30) Cyclohexane               | 4.651  | 56   | 93708    | 5.197  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 4.805  | 117  | 98685    | 5.293  | ug/L  | 99       |
| 33) Benzene                   | 5.079  | 78   | 241372   | 5.122  | ug/L  | 100      |
| 34) Trichloroethene           | 5.879  | 95   | 67577    | 5.730  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.088  | 83   | 113822m  | 6.284  | ug/L  |          |
| 37) 1,2-Dichloropropane       | 6.153  | 63   | 56320    | 5.037  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.493  | 83   | 79806    | 5.383  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.040  | 75   | 72685    | 5.148  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.265  | 43   | 274365   | 54.137 | ug/L  | 97       |
| 42) Toluene                   | 7.394  | 91   | 250692   | 5.492  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.664  | 75   | 60642    | 5.118  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.850  | 97   | 39762    | 5.488  | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.979  | 164  | 49275    | 5.206  | ug/L  | 95       |
| 48) 2-Hexanone                | 8.165  | 43   | 208040   | 56.464 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.255  | 129  | 48029    | 5.222  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.361  | 107  | 35771    | 5.460  | ug/L  | 96       |
| 51) Chlorobenzene             | 8.886  | 112  | 153116   | 5.170  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 239301   | 5.055  | ug/L  | 97       |
| 53) m,p-Xylene                | 9.143  | 106  | 98622    | 5.297  | ug/L  | 96       |
| 54) o-Xylene                  | 9.545  | 106  | 91869    | 5.176  | ug/L  | 95       |
| 55) Styrene                   | 9.564  | 104  | 167672   | 5.463  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.246 | 83   | 43595    | 5.369  | ug/L  | 99       |
| 59) Bromoform                 | 9.734  | 173  | 23812    | 4.892  | ug/L  | 96       |
| 60) Isopropylbenzene          | 9.934  | 105  | 246849   | 4.907  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 32562    | 5.113  | ug/L  | 94       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 67183    | 4.742  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 191181   | 4.747  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 126221   | 4.955  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 126747   | 4.937  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 115456   | 4.991  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 6270     | 4.587  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 93626    | 4.851  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 69542    | 4.557  | ug/L  | 98       |
| 71) Naphthalene               | 13.500 | 128  | 99637    | 4.157  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 62469    | 4.595  | ug/L  | 99       |

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

