

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW022724\  
 Data File : VW034455.D  
 Acq On : 27 Feb 2024 17:34  
 Operator : SY/MD  
 Sample : P1566-09MSD  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 JWAC3MSD

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2024  
 Supervised By :Mahesh Dadoda 02/28/2024

Quant Time: Feb 28 03:58:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022624WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Feb 28 03:52:36 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114   | 144476   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 136404   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 72265    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 33285    | 3.969    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 79.400%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 31691    | 4.279    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.059  | 65    | 15841    | 4.058    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 81.200%  |
| 20) 2-Butanone-d5             | 3.809  | 46    | 127695   | 58.235   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 116.480% |
| 24) Chloroform-d              | 4.252  | 84    | 78634    | 4.670    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 43263    | 5.049    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.000% |
| 32) Benzene-d6                | 4.960  | 84    | 136204   | 4.439    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67    | 42238    | 4.610    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.200%  |
| 41) Toluene-d8                | 7.246  | 98    | 121659   | 4.421    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.400%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 17315    | 5.073    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 101.400% |
| 46) 2-Hexanone-d5             | 8.024  | 63    | 109334   | 56.649   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 113.300% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84    | 37315    | 5.145    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.000% |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 51431    | 4.684    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 93.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 46218    | 5.068    | ug/L   | 97       |
| 3) Chloromethane              | 1.217  | 50    | 53921    | 4.982    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.281  | 62    | 53203    | 4.972    | ug/L   | 98       |
| 6) Bromomethane               | 1.487  | 94    | 28407    | 4.676    | ug/L   | 99       |
| 8) Chloroethane               | 1.548  | 64    | 34504    | 4.557    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 89122    | 5.115    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 48416    | 5.153    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 45443    | 5.023    | ug/L   | 88       |
| 13) Acetone                   | 2.137  | 43    | 429225   | 192.458  | ug/L   | 97       |
| 14) Carbon disulfide          | 2.240  | 76    | 123239   | 5.084    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.378  | 43    | 680091m  | 177.774  | ug/L   |          |
| 16) Methylene chloride        | 2.445  | 84    | 48399    | 4.683    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 126543   | 5.380    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96    | 46702    | 5.075    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.114  | 63    | 91454    | 5.165    | ug/L   | 98       |
| 21) 2-Butanone                | 3.889  | 43    | 163837   | 66.916   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96    | 51635    | 5.103    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.149  | 128   | 22350    | 5.299    | ug/L   | 97       |
| 25) Chloroform                | 4.278  | 83    | 94819    | 5.155    | ug/L   | 96       |

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 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2024  
 Supervised By :Mahesh Dadoda 02/28/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 61427    | 5.472  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.510  | 97   | 84257    | 4.938  | ug/L  | 100      |
| 30) Cyclohexane               | 4.580  | 56   | 73072    | 4.979  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 72251    | 4.879  | ug/L  | 99       |
| 33) Benzene                   | 5.011  | 78   | 188601   | 4.996  | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 68947    | 6.994  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.050  | 83   | 74238    | 4.797  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 48408    | 5.187  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.436  | 83   | 64512    | 5.073  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 70079    | 5.419  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 329041   | 56.997 | ug/L  | 100      |
| 42) Toluene                   | 7.316  | 91   | 202194   | 5.098  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 57792    | 5.503  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 33169    | 5.225  | ug/L  | 95       |
| 47) Tetrachloroethene         | 7.905  | 164  | 140826   | 18.209 | ug/L  | 97       |
| 48) 2-Hexanone                | 8.075  | 43   | 231389   | 56.275 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.178  | 129  | 39715    | 5.374  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 31783    | 5.353  | ug/L  | 96       |
| 51) Chlorobenzene             | 8.815  | 112  | 132479   | 5.142  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.947  | 91   | 225484   | 5.048  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.075  | 106  | 82661    | 4.979  | ug/L  | 100      |
| 54) o-Xylene                  | 9.480  | 106  | 82438    | 4.974  | ug/L  | 99       |
| 55) Styrene                   | 9.496  | 104  | 140886   | 5.286  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 41927    | 5.521  | ug/L  | 95       |
| 59) Bromoform                 | 9.667  | 173  | 18916    | 5.127  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.866  | 105  | 216184   | 4.998  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 31762    | 5.696  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 189345   | 5.015  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 189351   | 5.008  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 106018   | 5.046  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 103582   | 4.968  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 99087    | 5.031  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 7450     | 5.289  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 79244    | 4.916  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 72683    | 5.165  | ug/L  | 98       |
| 71) Naphthalene               | 13.438 | 128  | 135166   | 5.621  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 67137    | 5.327  | ug/L  | 98       |

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

