Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112322\
Data File : VV029299.D
Acq On : 23 Nov 2022 16:59
Operator : SY/MD
Sample : VSTD00512
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 24 01:09:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 24 01:07:52 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD005212

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2022
Supervised By :Mahesh Dadoda 11/25/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 5.609 | 114 | 278587 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.844 | 117 | 231263 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.239 | 152 | 125364 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.301 | 65 | 88034 | 5.135 | ug/L | 0.00 |
| 7) Chloroethane-d5 | 1.561 | 69 | 66200 | 5.275 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2 | 2.101 | 63 | 140187 | 5.110 | ug/L | 0.00 |
| 20) 2-Butanone-d5 | 3.902 | 46 | 156804 | 54.790 | ug/L | 0.00 |
| 24) Chloroform-d | 4.336 | 84 | 161465 | 5.276 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4 | 5.024 | 65 | 71445 | 5.306 | ug/L | 0.00 |
| 32) Benzene-d6 | 5.040 | 84 | 345895 | 5.412 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6 | 6.059 | 67 | 97344 | 5.420 | ug/L | 0.00 |
| 41) Toluene-d8 | 7.307 | 98 | 331648 | 5.498 | ug/L | 0.00 |
| 43) trans-1,3-Dichloroprop... | 7.612 | 79 | 38569 | 5.570 | ug/L | 0.00 |
| 46) 2-Hexanone-d5 | 8.085 | 63 | 137659 | 55.772 | ug/L | 0.00 |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84 | 60576 | 5.466 | ug/L | 0.00 |
| 66) 1,2-Dichlorobenzene-d4 | 11.612 | 152 | 114899 | 5.246 | ug/L | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.124 | 85 | 102343 | 4.924 | ug/L | 100 |
| 3) Chloromethane | 1.236 | 50 | 90466 | 4.750 | ug/L | 100 |
| 5) Vinyl chloride | 1.304 | 62 | 93840 | 4.945 | ug/L | 100 |
| 6) Bromomethane | 1.516 | 94 | 60167 | 5.081 | ug/L | 100 |
| 8) Chloroethane | 1.577 | 64 | 56175 | 4.980 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.748 | 101 | 131008 | 4.932 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111 | 101 | 72685 | 4.907 | ug/L | 100 |
| 12) 1,1-Dichloroethene | 2.111 | 96 | 71070 | 4.961 | ug/L | 100 |
| 13) Acetone | 2.195 | 43 | 98254 | 47.140 | ug/L | 100 |
| 14) Carbon disulfide | 2.285 | 76 | 200886 | 4.826 | ug/L | 100 |
| 15) Methyl Acetate | 2.436 | 43 | 26588 | 4.394 | ug/L | 100 |
| 16) Methylene chloride | 2.497 | 84 | 88895 | 4.061 | ug/L | 100 |
| 17) Methyl tert-butyl Ether | 2.760 | 73 | 182408 | 4.981 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 2.751 | 96 | 81826 | 4.977 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 3.178 | 63 | 149249 | 5.044 | ug/L | 100 |
| 21) 2-Butanone | 3.982 | 43 | 167871m | 51.305 | ug/L | |
| 22) cis-1,2-Dichloroethene | 3.902 | 96 | 93127 | 4.952 | ug/L | 100 |
| 23) Bromochloromethane | 4.240 | 128 | 38741 | 5.143 | ug/L | 100 |
| 25) Chloroform | 4.365 | 83 | 155109 | 5.020 | ug/L | 100 |
| 27) 1,2-Dichloroethane | 5.124 | 62 | 80845 | 4.830 | ug/L | 100 |
| 29) 1,1,1-Trichloroethane | 4.596 | 97 | 135402 | 5.090 | ug/L | 100 |
| 30) Cyclohexane | 4.667 | 56 | 134543 | 5.117 | ug/L | 100 |
| 31) Carbon tetrachloride | 4.818 | 117 | 115755 | 5.146 | ug/L | 100 |
| 33) Benzene | 5.092 | 78 | 351583 | 5.083 | ug/L | 100 |
| 34) Trichloroethene | 5.905 | 95 | 90278 | 5.116 | ug/L | 100 |
| 35) Methylcyclohexane | 6.120 | 83 | 156185 | 5.244 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 6.165 | 63 | 83486 | 5.124 | ug/L | 100 |
| 38) Bromodichloromethane | 6.503 | 83 | 99928 | 5.123 | ug/L | 100 |
| 39) cis-1,3-Dichloropropene | 7.018 | 75 | 125239 | 5.258 | ug/L | 100 |
| 40) 4-Methyl-2-pentanone | 7.223 | 43 | 401315 | 52.635 | ug/L | 100 |
| 42) Toluene | 7.378 | 91 | 384703 | 5.182 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 7.641 | 75 | 98670 | 5.230 | ug/L | 100 |

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**Instrument :**
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| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 45) | 1,1,2-Trichloroethane | 7.831 | 97 | 56944 | 5.162 | ug/L | 100 |
| 47) | Tetrachloroethene | 7.966 | 164 | 74000 | 5.116 | ug/L | 100 |
| 48) | 2-Hexanone | 8.136 | 43 | 277784 | 51.943 | ug/L | 98 |
| 49) | Dibromochloromethane | 8.236 | 129 | 65150 | 5.250 | ug/L | 100 |
| 50) | 1,2-Dibromoethane | 8.342 | 107 | 50818 | 5.279 | ug/L | 100 |
| 51) | Chlorobenzene | 8.873 | 112 | 232765 | 5.017 | ug/L | 100 |
| 52) | Ethylbenzene | 9.001 | 91 | 395615 | 5.112 | ug/L | 100 |
| 53) | m,p-Xylene | 9.130 | 106 | 154815 | 5.071 | ug/L | 100 |
| 54) | o-Xylene | 9.535 | 106 | 151213 | 5.043 | ug/L | 100 |
| 55) | Styrene | 9.551 | 104 | 259924 | 5.135 | ug/L | 100 |
| 57) | 1,1,2,2-Tetrachloroethane | 10.233 | 83 | 58075 | 5.088 | ug/L | 100 |
| 59) | Bromoform | 9.722 | 173 | 32773 | 4.976 | ug/L | 100 |
| 60) | Isopropylbenzene | 9.921 | 105 | 410599 | 5.066 | ug/L | 100 |
| 61) | 1,2,3-Trichloropropane | 10.265 | 75 | 44190 | 5.082 | ug/L | 100 |
| 62) | 1,3,5-Trimethylbenzene | 10.529 | 105 | 356565 | 5.081 | ug/L | 100 |
| 63) | 1,2,4-Trimethylbenzene | 10.905 | 105 | 355420 | 5.035 | ug/L | 100 |
| 64) | 1,3-Dichlorobenzene | 11.169 | 146 | 190850 | 5.047 | ug/L | 100 |
| 65) | 1,4-Dichlorobenzene | 11.262 | 146 | 187036 | 5.000 | ug/L | 100 |
| 67) | 1,2-Dichlorobenzene | 11.632 | 146 | 174404 | 5.006 | ug/L | 100 |
| 68) | 1,2-Dibromo-3-chloropr... | 12.416 | 75 | 8332 | 4.880 | ug/L | 100 |
| 69) | 1,3,5-Trichlorobenzene | 12.635 | 180 | 154532 | 4.960 | ug/L | 100 |
| 70) | 1,2,4-trichlorobenzene | 13.249 | 180 | 125428 | 4.969 | ug/L | 100 |
| 71) | Naphthalene | 13.493 | 128 | 97867 | 4.478 | ug/L | 100 |
| 72) | 1,2,3-Trichlorobenzene | 13.731 | 180 | 103271 | 5.025 | ug/L | 100 |

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

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