Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120623\
Data File : VW027562.D
Acq On : 06 Dec 2023 11:58
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VICV477

Quant Time: Dec 07 06:59:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 07 06:54:07 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 283668 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 257822 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.555 | 152 | 125230 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.368 | 65 | 122588 | 21.475 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 85.880% | | | |
| 7) Chloroethane-d5 | 2.905 | 69 | 92881 | 22.445 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 89.760% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.027 | 65 | 55121 | 22.820 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 91.280% | | | |
| 21) 2-Butanone-d5 | 7.087 | 46 | 78374 | 52.395 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 104.800% | | | |
| 24) Chloroform-d | 7.654 | 84 | 204607 | 24.165 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 96.640% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.306 | 65 | 107663 | 24.865 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.440% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 422282 | 23.255 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 93.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.276 | 67 | 127460 | 23.810 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 95.240% | | | |
| 41) Toluene-d8 | 10.324 | 98 | 373821 | 23.529 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 94.120% | | | |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79 | 49105 | 23.721 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 94.880% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 57613 | 57.761 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 115.520% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 112683 | 25.591 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 102.360% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 106476 | 24.256 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 97.040% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.021 | 85 | 78661 | 20.710 | ug/L | 97 |
| 3) Chloromethane | 2.228 | 50 | 102219 | 21.974 | ug/L | 98 |
| 5) Vinyl chloride | 2.374 | 62 | 121308 | 22.356 | ug/L | 95 |
| 6) Bromomethane | 2.795 | 94 | 62585 | 21.978 | ug/L | 97 |
| 8) Chloroethane | 2.935 | 64 | 70818 | 22.851 | ug/L | 94 |
| 9) Trichlorofluoromethane | 3.277 | 101 | 121470 | 23.374 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082 | 101 | 102097 | 23.039 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 4.051 | 96 | 95913 | 23.705 | ug/L | 88 |
| 13) Acetone | 4.142 | 43 | 68922 | 47.796 | ug/L | 98 |
| 14) Carbon disulfide | 4.392 | 76 | 264206 | 21.608 | ug/L | 97 |
| 15) Methyl Acetate | 4.685 | 43 | 62419 | 24.768 | ug/L | 98 |
| 16) Methylene chloride | 4.923 | 84 | 99308 | 21.468 | ug/L | 97 |
| 17) trans-1,2-Dichloroethene | 5.435 | 96 | 96138 | 23.043 | ug/L | 97 |
| 18) Methyl tert-butyl Ether | 5.429 | 73 | 172522 | 25.637 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 6.221 | 63 | 202594 | 23.878 | ug/L | 100 |
| 20) cis-1,2-Dichloroethene | 7.179 | 96 | 107481 | 23.989 | ug/L | 95 |
| 22) 2-Butanone | 7.179 | 43 | 89389 | 48.050 | ug/L | 99 |
| 23) Bromochloromethane | 7.514 | 128 | 45189 | 25.643 | ug/L | 97 |
| 25) Chloroform | 7.678 | 83 | 186213 | 24.172 | ug/L | 93 |

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Quant Time: Dec 07 06:59:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 07 06:54:07 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.404 | 62 | 125454 | 25.196 | ug/L | | 100 |
| 29) Cyclohexane | 7.959 | 56 | 193108 | 22.782 | ug/L | | 99 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 169253 | 23.533 | ug/L | | 99 |
| 31) Carbon tetrachloride | 8.075 | 117 | 144461 | 23.029 | ug/L | | 99 |
| 33) Benzene | 8.325 | 78 | 418539 | 23.521 | ug/L | | 100 |
| 34) Trichloroethene | 9.093 | 95 | 111017 | 22.841 | ug/L | | 96 |
| 35) Methylcyclohexane | 9.337 | 83 | 200769 | 23.198 | ug/L | | 100 |
| 37) 1,2-Dichloropropane | 9.367 | 63 | 112483 | 23.942 | ug/L | | 99 |
| 38) Bromodichloromethane | 9.641 | 83 | 129868 | 23.911 | ug/L | | 97 |
| 39) cis-1,3-Dichloropropene | 10.074 | 75 | 168709 | 24.875 | ug/L | | 100 |
| 40) 4-Methyl-2-pentanone | 10.208 | 43 | 173704 | 54.697 | ug/L | | 99 |
| 42) Toluene | 10.385 | 91 | 439605 | 23.357 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 140902 | 25.754 | ug/L | | 97 |
| 45) 1,1,2-Trichloroethane | 10.788 | 97 | 81699 | 24.969 | ug/L | | 97 |
| 46) Tetrachloroethene | 10.861 | 164 | 84072 | 24.263 | ug/L | | 96 |
| 48) 2-Hexanone | 10.964 | 43 | 126707 | 56.613 | ug/L | | 96 |
| 49) Dibromochloromethane | 11.129 | 129 | 82951 | 25.647 | ug/L | | 100 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 75936 | 25.367 | ug/L | | 96 |
| 51) Chlorobenzene | 11.659 | 112 | 265647 | 23.396 | ug/L | | 96 |
| 52) Ethylbenzene | 11.726 | 91 | 505483 | 23.644 | ug/L | | 99 |
| 53) m,p-Xylene | 11.836 | 106 | 189171 | 24.014 | ug/L | | 99 |
| 54) o-Xylene | 12.165 | 106 | 177348 | 24.769 | ug/L | | 99 |
| 55) Styrene | 12.178 | 104 | 301321 | 24.657 | ug/L | | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83 | 111432 | 26.160 | ug/L | | 99 |
| 59) Bromoform | 12.348 | 173 | 48194 | 27.478 | ug/L | # | 97 |
| 60) Isopropylbenzene | 12.458 | 105 | 521235 | 25.209 | ug/L | | 100 |
| 61) 1,2,3-Trichloropropane | 12.769 | 75 | 80915 | 26.789 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 392217 | 25.647 | ug/L | | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 393578 | 25.841 | ug/L | | 98 |
| 64) 1,3-Dichlorobenzene | 13.494 | 146 | 203623 | 25.710 | ug/L | | 97 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 201927 | 25.561 | ug/L | | 98 |
| 67) 1,2-Dichlorobenzene | 13.866 | 146 | 171467 | 24.031 | ug/L | | 88 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 18885 | 25.993 | ug/L | | 91 |
| 69) 1,3,5-Trichlorobenzene | 14.622 | 180 | 133199 | 25.010 | ug/L | | 95 |
| 70) 1,2,4-trichlorobenzene | 15.128 | 180 | 107746 | 26.053 | ug/L | | 98 |
| 71) Naphthalene | 15.360 | 128 | 246985 | 28.393 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 93951 | 26.519 | ug/L | | 95 |

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

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