Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
Data File : VU051933.D
Acq On : 19 Nov 2022 04:54
Operator : JC/MD
Sample : N5685-03MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EW701MSD

Quant Time: Nov 19 05:49:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 22:29:23 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.246 | 114 | 240308 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.414 | 117 | 241961 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.809 | 152 | 120531 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.597 | 65 | 110500 | 4.727 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 94.600% | | | |
| 7) Chloroethane-d5 | 1.906 | 69 | 87600 | 4.825 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 96.400% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.565 | 65 | 38864 | 4.638 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 92.800% | | | |
| 20) 2-Butanone-d5 | 4.616 | 46 | 205187 | 48.428 | ug/L | -0.03 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 96.860% | | | |
| 24) Chloroform-d | 5.060 | 84 | 167596 | 4.880 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 97.600% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.700 | 65 | 83192 | 4.796 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.000% | | | |
| 32) Benzene-d6 | 5.726 | 84 | 349463 | 4.865 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 97.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.687 | 67 | 108375 | 4.875 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 97.600% | | | |
| 41) Toluene-d8 | 7.896 | 98 | 320474 | 4.931 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 98.600% | | | |
| 43) trans-1,3-Dichloroprop... | 8.179 | 79 | 38148 | 4.709 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 94.200% | | | |
| 46) 2-Hexanone-d5 | 8.629 | 63 | 176813 | 51.502 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 103.000% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84 | 96159 | 4.989 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 99.800% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.188 | 152 | 111313 | 4.824 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 96.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 107209 | 5.144 | ug/L | 99 |
| 3) Chloromethane | 1.526 | 50 | 137311 | 5.048 | ug/L | 99 |
| 5) Vinyl chloride | 1.604 | 62 | 136795 | 5.234 | ug/L | 98 |
| 6) Bromomethane | 1.845 | 94 | 70537 | 5.260 | ug/L | 98 |
| 8) Chloroethane | 1.928 | 64 | 79837 | 4.913 | ug/L | 97 |
| 9) Trichlorofluoromethane | 2.137 | 101 | 148443 | 5.163 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578 | 101 | 85546 | 4.867 | ug/L | 100 |
| 12) 1,1-Dichloroethene | 2.578 | 96 | 87549 | 5.022 | ug/L | 94 |
| 13) Acetone | 2.620 | 43 | 140907 | 48.974 | ug/L | 99 |
| 14) Carbon disulfide | 2.793 | 76 | 291525 | 4.831 | ug/L | 100 |
| 15) Methyl Acetate | 2.948 | 43 | 33384 | 4.473 | ug/L | 99 |
| 16) Methylene chloride | 3.044 | 84 | 112159 | 4.756 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 3.359 | 73 | 199887 | 5.122 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.353 | 96 | 94180 | 5.040 | ug/L | 95 |
| 19) 1,1-Dichloroethane | 3.867 | 63 | 174926 | 5.194 | ug/L | 99 |
| 21) 2-Butanone | 4.697 | 43 | 232760 | 50.474 | ug/L | 100 |
| 22) cis-1,2-Dichloroethene | 4.665 | 96 | 101805 | 5.191 | ug/L | 95 |
| 23) Bromochloromethane | 4.973 | 128 | 49874 | 5.315 | ug/L | 98 |
| 25) Chloroform | 5.086 | 83 | 180625 | 5.293 | ug/L | 96 |

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**ClientSampleId :**
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 22:29:23 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.790 | 62 | 109242 | 5.226 | ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 5.314 | 97 | 136269 | 5.076 | ug/L | 98 |
| 30) Cyclohexane | 5.388 | 56 | 131293 | 5.037 | ug/L | 99 |
| 31) Carbon tetrachloride | 5.523 | 117 | 116033 | 5.087 | ug/L | 100 |
| 33) Benzene | 5.771 | 78 | 411666 | 5.228 | ug/L | 100 |
| 34) Trichloroethene | 6.539 | 95 | 94444 | 4.809 | ug/L | 98 |
| 35) Methylcyclohexane | 6.761 | 83 | 132333 | 4.684 | ug/L | 97 |
| 37) 1,2-Dichloropropane | 6.787 | 63 | 103954 | 5.099 | ug/L | 99 |
| 38) Bromodichloromethane | 7.102 | 83 | 125358 | 5.043 | ug/L | 96 |
| 39) cis-1,3-Dichloropropene | 7.607 | 75 | 129019 | 4.929 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.787 | 43 | 585237 | 54.952 | ug/L | 99 |
| 42) Toluene | 7.967 | 91 | 434826 | 5.368 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 8.208 | 75 | 112273 | 5.009 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.398 | 97 | 78989 | 5.155 | ug/L | 98 |
| 47) Tetrachloroethene | 8.552 | 164 | 74797 | 4.969 | ug/L | 98 |
| 48) 2-Hexanone | 8.680 | 43 | 442507 | 56.676 | ug/L | 99 |
| 49) Dibromochloromethane | 8.806 | 129 | 88701 | 5.169 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.922 | 107 | 73367 | 5.257 | ug/L | 99 |
| 51) Chlorobenzene | 9.446 | 112 | 267224 | 5.174 | ug/L | 98 |
| 52) Ethylbenzene | 9.568 | 91 | 407645 | 5.177 | ug/L | 98 |
| 53) m,p-Xylene | 9.690 | 106 | 164338 | 5.389 | ug/L | 98 |
| 54) o-Xylene | 10.098 | 106 | 163928 | 5.609 | ug/L | 98 |
| 55) Styrene | 10.111 | 104 | 274367 | 5.558 | ug/L | 100 |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83 | 103123 | 5.389 | ug/L | 97 |
| 59) Bromoform | 10.288 | 173 | 50753 | 5.112 | ug/L | 95 |
| 60) Isopropylbenzene | 10.481 | 105 | 400190 | 5.286 | ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 10.819 | 75 | 70311 | 5.097 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.086 | 105 | 305235 | 5.043 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 11.465 | 105 | 310265 | 5.165 | ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 11.741 | 146 | 194388 | 5.028 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.835 | 146 | 192341 | 4.989 | ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 12.211 | 146 | 191719 | 5.150 | ug/L | 97 |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75 | 14315 | 4.742 | ug/L | 96 |
| 69) 1,3,5-Trichlorobenzene | 13.214 | 180 | 124780 | 4.552 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 13.838 | 180 | 97301 | 4.661 | ug/L | 98 |
| 71) Naphthalene | 14.085 | 128 | 182299 | 4.652 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 14.327 | 180 | 99826 | 4.861 | ug/L | 98 |

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

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