Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121921\
Data File : VV024111.D
Acq On : 20 Dec 2021 00:37
Operator : SY/MD
Sample : M5148-11MSD
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 20 04:20:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Dec 20 04:04:22 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
GBBS0MSD

**Manual Integrations APPROVED**

Reviewed By :John Carlone
12/20/2021
Supervised By :Mahesh Dadoda
12/22/2021

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 5.619 | 114 | 92287 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.850 | 117 | 95496 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.249 | 152 | 58054 | 5.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.304 | 65 | 18672 | 3.764 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 75.200% | | | |
| 7) Chloroethane-d5 | 1.568 | 69 | 16948 | 4.094 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 81.800% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.111 | 63 | 46846 | 4.837 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 96.800% | | | |
| 20) 2-Butanone-d5 | 3.918 | 46 | 37232m | 38.412 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 76.820% | | | |
| 24) Chloroform-d | 4.349 | 84 | 50362 | 4.481 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.600% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.034 | 65 | 23948 | 4.577 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.600% | | | |
| 32) Benzene-d6 | 5.050 | 84 | 87867 | 4.646 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.069 | 67 | 25502 | 4.469 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 89.400% | | | |
| 41) Toluene-d8 | 7.316 | 98 | 86562 | 5.083 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 101.600% | | | |
| 43) trans-1,3-Dichloroprop... | 7.625 | 79 | 10223 | 4.318 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 86.400% | | | |
| 46) 2-Hexanone-d5 | 8.091 | 63 | 37980 | 35.838 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 71.680% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.213 | 84 | 19474 | 4.114 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 82.200% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.622 | 152 | 35268 | 4.548 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 91.000% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.130 | 85 | 38039 | 4.736 | ug/L | 99 |
| 3) Chloromethane | 1.240 | 50 | 32551 | 4.743 | ug/L | 95 |
| 5) Vinyl chloride | 1.310 | 62 | 38043 | 5.111 | ug/L | 99 |
| 6) Bromomethane | 1.523 | 94 | 23869 | 5.046 | ug/L | 97 |
| 8) Chloroethane | 1.584 | 64 | 24579 | 5.074 | ug/L | 94 |
| 9) Trichlorofluoromethane | 1.754 | 101 | 70614 | 5.459 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117 | 101 | 36776 | 5.398 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.117 | 96 | 32365 | 5.227 | ug/L | 93 |
| 13) Acetone | 2.217 | 43 | 36636m | 47.244 | ug/L | |
| 14) Carbon disulfide | 2.294 | 76 | 80565 | 4.486 | ug/L | 99 |
| 15) Methyl Acetate | 2.445 | 43 | 8120 | 4.320 | ug/L | 95 |
| 16) Methylene chloride | 2.510 | 84 | 37505 | 4.630 | ug/L | 94 |
| 17) Methyl tert-butyl Ether | 2.770 | 73 | 77960 | 5.568 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.760 | 96 | 35560 | 5.188 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.191 | 63 | 63916 | 5.196 | ug/L | 98 |
| 21) 2-Butanone | 4.005 | 43 | 44387 | 40.061 | ug/L | 92 |
| 22) cis-1,2-Dichloroethene | 3.911 | 96 | 36802 | 5.072 | ug/L | 98 |
| 23) Bromochloromethane | 4.249 | 128 | 17733 | 5.379 | ug/L | 88 |
| 25) Chloroform | 4.374 | 83 | 72966 | 5.336 | ug/L | 97 |

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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 20 04:20:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Dec 20 04:04:22 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.133 | 62 | 40656 | 5.487 | ug/L | 95 |
| 29) 1,1,1-Trichloroethane | 4.609 | 97 | 68860 | 5.512 | ug/L | 99 |
| 30) Cyclohexane | 4.677 | 56 | 47219 | 4.765 | ug/L | 97 |
| 31) Carbon tetrachloride | 4.828 | 117 | 62117 | 5.289 | ug/L | 98 |
| 33) Benzene | 5.098 | 78 | 143982 | 5.330 | ug/L | 100 |
| 34) Trichloroethene | 5.915 | 95 | 38977 | 5.115 | ug/L | 95 |
| 35) Methylcyclohexane | 6.130 | 83 | 53092 | 4.734 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.172 | 63 | 34898 | 5.435 | ug/L | 99 |
| 38) Bromodichloromethane | 6.509 | 83 | 48415 | 5.323 | ug/L | 96 |
| 39) cis-1,3-Dichloropropene | 7.027 | 75 | 46752 | 4.905 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.230 | 43 | 161932 | 52.500 | ug/L | 99 |
| 42) Toluene | 7.387 | 91 | 163784 | 5.387 | ug/L | 97 |
| 44) trans-1,3-Dichloropropene | 7.651 | 75 | 42024 | 5.100 | ug/L | 97 |
| 45) 1,1,2-Trichloroethane | 7.837 | 97 | 25451 | 5.358 | ug/L | 97 |
| 47) Tetrachloroethene | 7.976 | 164 | 34778 | 5.184 | ug/L | 96 |
| 48) 2-Hexanone | 8.143 | 43 | 124024 | 55.454 | ug/L | 95 |
| 49) Dibromochloromethane | 8.246 | 129 | 33323 | 5.156 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.352 | 107 | 23437 | 5.314 | ug/L | 94 |
| 51) Chlorobenzene | 8.879 | 112 | 105693 | 5.201 | ug/L | 98 |
| 52) Ethylbenzene | 9.011 | 91 | 168904 | 5.265 | ug/L | 100 |
| 53) m,p-xylene | 9.140 | 106 | 67671 | 5.334 | ug/L | 99 |
| 54) o-xylene | 9.541 | 106 | 67124 | 5.471 | ug/L | 95 |
| 55) Styrene | 9.561 | 104 | 112114 | 5.489 | ug/L | 95 |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83 | 27554 | 5.297 | ug/L | 100 |
| 59) Bromoform | 9.731 | 173 | 17517 | 4.701 | ug/L | 99 |
| 60) Isopropylbenzene | 9.931 | 105 | 176988 | 5.192 | ug/L | 98 |
| 61) 1,2,3-Trichloropropane | 10.271 | 75 | 20145 | 5.094 | ug/L | 97 |
| 62) 1,3,5-Trimethylbenzene | 10.538 | 105 | 145335 | 5.140 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 10.914 | 105 | 148531 | 5.273 | ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 11.178 | 146 | 91476 | 5.247 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.271 | 146 | 92012 | 5.255 | ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 11.641 | 146 | 84091 | 5.265 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75 | 4285 | 4.961 | ug/L | 86 |
| 69) 1,3,5-Trichlorobenzene | 12.644 | 180 | 70747 | 4.934 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 13.258 | 180 | 53735 | 4.772 | ug/L | 97 |
| 71) Naphthalene | 13.500 | 128 | 78202 | 4.832 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 13.741 | 180 | 50043 | 5.034 | ug/L | 99 |

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

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