Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112320\
Data File : VU041407.D
Acq On : 23 Nov 2020 23:25
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00510

Quant Time: Nov 24 01:57:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 67384 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 70848 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 37913 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 21175 | 4.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 89.40% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 16503 | 4.96 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 99.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 51846 | 5.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 111.60% | | | |
| 20) 2-Butanone-d5 | 4.66 | 46 | 69912 | 57.94 | ug/L | 0.03 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 115.88% | | | |
| 24) Chloroform-d | 5.08 | 84 | 47872 | 4.96 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 99.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 30087 | 5.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 107.00% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 77476 | 4.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 27973 | 5.07 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 101.40% | | | |
| 41) Toluene-d8 | 7.90 | 98 | 84462 | 5.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 103.20% | | | |
| 43) trans-1,3-Dichloropropene- | 8.19 | 79 | 12869 | 5.14 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 102.80% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 50262 | 61.35 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 122.70% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 25886 | 5.77 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 115.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 31286 | 4.95 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 99.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 35877 | 5.511 | ug/L | 98 |
| 3) Chloromethane | 1.52 | 50 | 26986 | 4.875 | ug/L | 97 |
| 5) Vinyl chloride | 1.61 | 62 | 28963 | 4.919 | ug/L | 96 |
| 6) Bromomethane | 1.86 | 94 | 8606 | 3.875 | ug/L | 97 |
| 8) Chloroethane | 1.94 | 64 | 17652 | 5.288 | ug/L | 95 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 51375 | 5.634 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 26525 | 5.647 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 24834 | 5.985 | ug/L | 90 |
| 13) Acetone | 2.68 | 43 | 57482 | 70.495 | ug/L | 99 |
| 14) Carbon disulfide | 2.81 | 76 | 80768 | 5.573 | ug/L | 99 |
| 15) Methyl Acetate | 2.97 | 43 | 14007 | 7.291 | ug/L | 99 |
| 16) Methylene chloride | 3.06 | 84 | 38745 | 6.534 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 56260 | 5.445 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 24425 | 5.428 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 48648 | 5.434 | ug/L | 96 |
| 21) 2-Butanone | 4.74 | 43 | 78911 | 60.930 | ug/L | 100 |
| 22) cis-1,2-Dichloroethene | 4.68 | 96 | 24323 | 5.083 | ug/L | 96 |

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.99 | 128 | 12558 | 5.942 | ug/L | | 96 |
| 25) Chloroform | 5.11 | 83 | 50876 | 5.172 | ug/L | | 96 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 37435 | 5.845 | ug/L | | 99 |
| 29) 1,1,1-Trichloroethane | 5.33 | 97 | 46687 | 5.274 | ug/L | | 99 |
| 30) Cyclohexane | 5.40 | 56 | 35279 | 4.674 | ug/L | | 96 |
| 31) Carbon tetrachloride | 5.54 | 117 | 42201 | 5.297 | ug/L | | 98 |
| 33) Benzene | 5.79 | 78 | 92888 | 4.888 | ug/L | | 100 |
| 34) Trichloroethene | 6.55 | 95 | 27208 | 5.257 | ug/L | | 97 |
| 35) Methylcyclohexane | 6.77 | 83 | 37742 | 5.001 | ug/L | | 98 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 28518 | 5.470 | ug/L | | 99 |
| 38) Bromodichloromethane | 7.11 | 83 | 38847 | 5.502 | ug/L | | 94 |
| 39) cis-1,3-Dichloropropene | 7.61 | 75 | 37711 | 5.240 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 205244 | 64.157 | ug/L | | 99 |
| 42) Toluene | 7.97 | 91 | 111260 | 5.491 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 8.21 | 75 | 37024 | 5.638 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 8.40 | 97 | 21128 | 5.912 | ug/L | | 96 |
| 47) Tetrachloroethene | 8.56 | 164 | 20533 | 5.299 | ug/L | | 97 |
| 48) 2-Hexanone | 8.69 | 43 | 158169 | 67.394 | ug/L | | 98 |
| 49) Dibromochloromethane | 8.81 | 129 | 26209 | 5.759 | ug/L | | 99 |
| 50) 1,2-Dibromoethane | 8.92 | 107 | 20614 | 6.032 | ug/L | # | 98 |
| 51) Chlorobenzene | 9.45 | 112 | 70379 | 5.366 | ug/L | | 95 |
| 52) Ethylbenzene | 9.57 | 91 | 114866 | 5.303 | ug/L | | 99 |
| 53) m,p-Xylene | 9.69 | 106 | 43295 | 5.458 | ug/L | | 99 |
| 54) o-Xylene | 10.10 | 106 | 40873 | 5.349 | ug/L | | 93 |
| 55) Styrene | 10.11 | 104 | 73290 | 5.747 | ug/L | | 98 |
| 56) Isopropylbenzene | 10.48 | 105 | 114357 | 5.573 | ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 26922 | 6.055 | ug/L | | 98 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 21673 | 6.363 | ug/L | | 99 |
| 61) Bromoform | 10.29 | 173 | 15502 | 5.799 | ug/L | | 99 |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 57501 | 5.245 | ug/L | | 98 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 56752 | 5.235 | ug/L | | 100 |
| 65) 1,2-Dichlorobenzene | 12.20 | 146 | 53776 | 5.302 | ug/L | | 96 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 4499 | 5.660 | ug/L | | 86 |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 39818 | 5.167 | ug/L | | 98 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 30735 | 5.081 | ug/L | | 98 |
| 69) Naphthalene | 14.08 | 128 | 46739 | 4.918 | ug/L | | 99 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 29423 | 5.323 | ug/L | | 98 |

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

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