Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121020\
Data File : VU041529.D
Acq On : 10 Dec 2020 11:28
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00509

Quant Time: Dec 11 05:59:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 10 04:45:04 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 45960 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 46842 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 26536 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 10877 | 4.61 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 92.20% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 9542 | 4.61 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 92.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 28840 | 5.04 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 100.80% | | | |
| 20) 2-Butanone-d5 | 4.65 | 46 | 32428 | 36.63 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 73.26% | | | |
| 24) Chloroform-d | 5.08 | 84 | 32781 | 5.03 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 100.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 21048 | 4.81 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.20% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 49184 | 4.71 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 94.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 12269 | 4.02 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 80.40% | | | |
| 41) Toluene-d8 | 7.90 | 98 | 53283 | 5.21 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 104.20% | | | |
| 43) trans-1,3-Dichloropropene- | 8.18 | 79 | 8621 | 4.77 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 95.40% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 26813 | 35.64 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 71.28% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 13273 | 3.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 78.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 23403 | 5.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 103.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 19179 | 4.713 | ug/L | 97 |
| 3) Chloromethane | 1.53 | 50 | 9722 | 3.696 | ug/L | 100 |
| 5) Vinyl chloride | 1.61 | 62 | 12157 | 3.877 | ug/L | 99 |
| 6) Bromomethane | 1.87 | 94 | 10103 | 4.660 | ug/L | 94 |
| 8) Chloroethane | 1.94 | 64 | 8269 | 4.054 | ug/L | 93 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 35799 | 5.124 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 15457 | 4.936 | ug/L | 94 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 12680 | 4.713 | ug/L | 96 |
| 13) Acetone | 2.66 | 43 | 27195 | 39.461 | ug/L | 68 |
| 14) Carbon disulfide | 2.81 | 76 | 36380 | 4.387 | ug/L | 98 |
| 15) Methyl Acetate | 2.97 | 43 | 4688 | 3.717 | ug/L | 99 |
| 16) Methylene chloride | 3.06 | 84 | 13993 | 3.897 | ug/L | 87 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 36837 | 4.512 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 12576 | 4.628 | ug/L | 93 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 22586 | 4.499 | ug/L | 96 |
| 21) 2-Butanone | 4.73 | 43 | 33803 | 39.200 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 4.68 | 96 | 14490 | 4.809 | ug/L | 100 |

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00509

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 10 04:45:04 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.99 | 128 | 7605 | 4.829 ug/L | 94 |
| 25) Chloroform | 5.11 | 83 | 31053 | 4.855 ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 24236 | 4.848 ug/L | 96 |
| 29) 1,1,1-Trichloroethane | 5.33 | 97 | 32513 | 4.843 ug/L | 96 |
| 30) Cyclohexane | 5.40 | 56 | 15926 | 3.773 ug/L | 84 |
| 31) Carbon tetrachloride | 5.54 | 117 | 29997 | 4.826 ug/L | 97 |
| 33) Benzene | 5.79 | 78 | 50794 | 4.381 ug/L | 100 |
| 34) Trichloroethene | 6.55 | 95 | 16361 | 4.675 ug/L | 97 |
| 35) Methylcyclohexane | 6.77 | 83 | 21279 | 4.458 ug/L | 94 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 11525 | 4.242 ug/L | 98 |
| 38) Bromodichloromethane | 7.11 | 83 | 22711 | 4.575 ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 7.61 | 75 | 21504 | 4.381 ug/L | 96 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 77974 | 35.820 ug/L # | 95 |
| 42) Toluene | 7.97 | 91 | 61928 | 4.746 ug/L | 96 |
| 44) trans-1,3-Dichloropropene | 8.21 | 75 | 22751 | 4.641 ug/L | 96 |
| 45) 1,1,2-Trichloroethane | 8.40 | 97 | 12137 | 4.632 ug/L | 96 |
| 47) Tetrachloroethene | 8.56 | 164 | 15265 | 5.523 ug/L | 96 |
| 48) 2-Hexanone | 8.69 | 43 | 61497 | 35.157 ug/L # | 96 |
| 49) Dibromochloromethane | 8.81 | 129 | 18327 | 5.134 ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 12191 | 4.612 ug/L | 89 |
| 51) Chlorobenzene | 9.45 | 112 | 42530 | 4.891 ug/L | 99 |
| 52) Ethylbenzene | 9.57 | 91 | 71039 | 4.751 ug/L | 99 |
| 53) m,p-Xylene | 9.69 | 106 | 27364 | 5.041 ug/L | 98 |
| 54) o-Xylene | 10.10 | 106 | 25546 | 4.854 ug/L | 95 |
| 55) Styrene | 10.11 | 104 | 46562 | 5.210 ug/L | 93 |
| 56) Isopropylbenzene | 10.48 | 105 | 73245 | 4.930 ug/L | 98 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 13267 | 4.122 ug/L # | 97 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 11067 | 4.198 ug/L | 98 |
| 61) Bromoform | 10.29 | 173 | 11462 | 5.141 ug/L | 98 |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 37403 | 5.002 ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 37384 | 4.876 ug/L | 97 |
| 65) 1,2-Dichlorobenzene | 12.20 | 146 | 35979 | 4.859 ug/L | 95 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 3237 | 4.463 ug/L | 95 |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 29622 | 4.957 ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 23547 | 4.923 ug/L | 96 |
| 69) Naphthalene | 14.08 | 128 | 31898 | 4.244 ug/L | 98 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 22086 | 5.217 ug/L | 99 |

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

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