Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Data File : VU041356.D
Acq On : 19 Nov 2020 20:23
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00530

Quant Time: Nov 20 06:00:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 20 05:56:10 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 61586 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 62056 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 30890 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 20171 | 4.45 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 89.00% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 18958 | 4.89 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 97.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 45072 | 4.82 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 96.40% | | | |
| 20) 2-Butanone-d5 | 4.66 | 46 | 96595 | 51.71 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 103.42% | | | |
| 24) Chloroform-d | 5.08 | 84 | 55840 | 5.70 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 114.00% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 34204 | 5.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 107.00% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 94621 | 5.66 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 113.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 32050 | 5.56 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 111.20% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 88170 | 5.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 111.80% | | | |
| 43) trans-1,3-Dichloropropene- | 8.18 | 79 | 13879 | 5.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 111.80% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 71479 | 53.93 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 107.86% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 30110 | 5.38 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 107.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 33296 | 5.52 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 110.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 25074 | 4.933 | ug/L | 99 |
| 3) Chloromethane | 1.53 | 50 | 22883 | 4.180 | ug/L | 99 |
| 5) Vinyl chloride | 1.61 | 62 | 24328 | 4.550 | ug/L # | 69 |
| 6) Bromomethane | 1.86 | 94 | 10210 | 3.219 | ug/L | 98 |
| 8) Chloroethane | 1.94 | 64 | 16622 | 4.684 | ug/L | 90 |
| 9) Trichlorofluoromethane | 2.14 | 101 | 43695 | 5.247 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 23606 | 5.204 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 19321 | 4.819 | ug/L | 97 |
| 13) Acetone | 2.66 | 43 | 54114 | 43.672 | ug/L # | 60 |
| 14) Carbon disulfide | 2.80 | 76 | 51627 | 4.376 | ug/L | 99 |
| 15) Methyl Acetate | 2.97 | 43 | 12258 | 4.762 | ug/L | 94 |
| 16) Methylene chloride | 3.06 | 84 | 27887 | 5.548 | ug/L | 93 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 57726 | 5.260 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 20074 | 5.141 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 45769 | 5.243 | ug/L | 97 |
| 21) 2-Butanone | 4.74 | 43 | 83148 | 44.198 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.68 | 96 | 24036 | 5.451 | ug/L | 93 |

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00530

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 20 05:56:10 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.99 | 128 | 11478 | 5.250 ug/L | 94 |
| 25) Chloroform | 5.11 | 83 | 48685 | 5.143 ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 35977 | 5.286 ug/L # | 93 |
| 29) 1,1,1-Trichloroethane | 5.33 | 97 | 42701 | 5.630 ug/L | 95 |
| 30) Cyclohexane | 5.40 | 56 | 30946 | 4.938 ug/L | 97 |
| 31) Carbon tetrachloride | 5.54 | 117 | 36693 | 5.579 ug/L | 99 |
| 33) Benzene | 5.79 | 78 | 94538 | 5.622 ug/L | 100 |
| 34) Trichloroethene | 6.56 | 95 | 23347 | 5.137 ug/L | 97 |
| 35) Methylcyclohexane | 6.77 | 83 | 31210 | 5.169 ug/L | 97 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 26946 | 5.482 ug/L # | 97 |
| 38) Bromodichloromethane | 7.11 | 83 | 35934 | 5.593 ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 7.61 | 75 | 35136 | 5.125 ug/L | 100 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 199476 | 49.037 ug/L | 99 |
| 42) Toluene | 7.98 | 91 | 99343 | 5.528 ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 8.21 | 75 | 34333 | 5.294 ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.40 | 97 | 20002 | 5.262 ug/L | 96 |
| 47) Tetrachloroethene | 8.56 | 164 | 17569 | 5.231 ug/L | 97 |
| 48) 2-Hexanone | 8.69 | 43 | 150841 | 49.674 ug/L | 99 |
| 49) Dibromochloromethane | 8.82 | 129 | 24229 | 5.378 ug/L | 100 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 18159 | 5.149 ug/L | 97 |
| 51) Chlorobenzene | 9.45 | 112 | 63797 | 5.359 ug/L | 99 |
| 52) Ethylbenzene | 9.57 | 91 | 102384 | 5.335 ug/L | 99 |
| 53) m,p-Xylene | 9.69 | 106 | 38903 | 5.609 ug/L | 97 |
| 54) o-Xylene | 10.10 | 106 | 38136 | 5.708 ug/L | 98 |
| 55) Styrene | 10.11 | 104 | 65012 | 5.495 ug/L | 98 |
| 56) Isopropylbenzene | 10.48 | 105 | 102802 | 5.809 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 26933 | 5.420 ug/L | 96 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 19399 | 5.004 ug/L | 99 |
| 61) Bromoform | 10.29 | 173 | 13861 | 4.900 ug/L | 97 |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 50405 | 5.423 ug/L | 96 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 49537 | 5.172 ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 12.21 | 146 | 48800 | 5.278 ug/L | 97 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 4380 | 5.103 ug/L | 91 |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 34775 | 5.253 ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 26145 | 4.755 ug/L | 97 |
| 69) Naphthalene | 14.08 | 128 | 39518 | 4.439 ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 24376 | 4.773 ug/L | 99 |

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

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