Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070820\
Data File : VU039341.D
Acq On : 08 Jul 2020 10:25
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00508

Quant Time: Jul 09 02:23:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 08 12:19:59 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 124100 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 119885 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 57716 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 29931 | 4.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 83.20% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 29186 | 3.97 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 79.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 57960 | 4.10 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 82.00% | | | |
| 20) 2-Butanone-d5 | 4.66 | 46 | 170849 | 51.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 103.82% | | | |
| 24) Chloroform-d | 5.08 | 84 | 69350 | 4.53 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 90.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 43954 | 4.57 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.40% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 123952 | 4.29 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 85.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 45407 | 4.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 89.60% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 103891 | 4.15 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 83.00% | | | |
| 43) trans-1,3-Dichloropropene- | 8.19 | 79 | 19792 | 4.42 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 88.40% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 131223 | 49.40 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 98.80% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76 | 84 | 47180 | 4.69 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 93.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 44923 | 4.36 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 87.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 37022 | 4.922 | ug/L | 99 |
| 3) Chloromethane | 1.53 | 50 | 39935 | 4.382 | ug/L | 100 |
| 5) Vinyl chloride | 1.61 | 62 | 44794 | 4.427 | ug/L | 98 |
| 6) Bromomethane | 1.87 | 94 | 19416 | 4.455 | ug/L | 93 |
| 8) Chloroethane | 1.94 | 64 | 29825 | 4.080 | ug/L | 94 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 81789 | 4.655 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 35819 | 4.968 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 33539 | 4.544 | ug/L | 86 |
| 13) Acetone | 2.66 | 43 | 83723 | 47.131 | ug/L | 99 |
| 14) Carbon disulfide | 2.81 | 76 | 113745 | 4.375 | ug/L | 99 |
| 15) Methyl Acetate | 2.97 | 43 | 20853 | 4.444 | ug/L # | 90 |
| 16) Methylene chloride | 3.06 | 84 | 39569 | 4.262 | ug/L | 96 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 101585 | 4.368 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 35797 | 4.381 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 69747 | 4.363 | ug/L | 99 |
| 21) 2-Butanone | 4.74 | 43 | 143493 | 45.257 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.69 | 96 | 40224 | 4.390 | ug/L | 99 |

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Data File : VU039341.D
Acq On : 08 Jul 2020 10:25
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00508

Quant Time: Jul 09 02:23:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 08 12:19:59 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.99 | 128 | 17732 | 4.260 ug/L | 87 |
| 25) Chloroform | 5.11 | 83 | 72973 | 4.520 ug/L | 100 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 51087 | 4.375 ug/L | 100 |
| 29) 1,1,1-Trichloroethane | 5.33 | 97 | 61507 | 4.356 ug/L | 97 |
| 30) Cyclohexane | 5.40 | 56 | 68494 | 4.607 ug/L | 99 |
| 31) Carbon tetrachloride | 5.54 | 117 | 52511 | 4.359 ug/L | 97 |
| 33) Benzene | 5.79 | 78 | 156192 | 4.358 ug/L | 100 |
| 34) Trichloroethene | 6.55 | 95 | 40221 | 4.341 ug/L | 98 |
| 35) Methylcyclohexane | 6.77 | 83 | 69765 | 4.700 ug/L | 100 |
| 37) 1,2-Dichloropropane | 6.81 | 63 | 41788 | 4.277 ug/L | 100 |
| 38) Bromodichloromethane | 7.11 | 83 | 52239 | 4.187 ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.62 | 75 | 63209 | 4.280 ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 350435 | 42.993 ug/L | 98 |
| 42) Toluene | 7.98 | 91 | 166719 | 4.344 ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 8.22 | 75 | 57077 | 4.356 ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.41 | 97 | 30678 | 4.371 ug/L | 99 |
| 47) Tetrachloroethene | 8.56 | 164 | 29098 | 4.514 ug/L | 96 |
| 48) 2-Hexanone | 8.69 | 43 | 262979 | 43.757 ug/L | 98 |
| 49) Dibromochloromethane | 8.82 | 129 | 35952 | 4.229 ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 29446 | 4.130 ug/L | 85 |
| 51) Chlorobenzene | 9.45 | 112 | 102281 | 4.361 ug/L | 99 |
| 52) Ethylbenzene | 9.57 | 91 | 184969 | 4.361 ug/L | 100 |
| 53) m,p-Xylene | 9.70 | 106 | 69839 | 4.370 ug/L | 100 |
| 54) o-Xylene | 10.10 | 106 | 66102 | 4.248 ug/L | 97 |
| 55) Styrene | 10.12 | 104 | 112742 | 4.164 ug/L | 99 |
| 56) Isopropylbenzene | 10.48 | 105 | 178233 | 4.236 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 40319 | 4.127 ug/L | 100 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 30874 | 4.287 ug/L | 98 |
| 61) Bromoform | 10.29 | 173 | 21095 | 4.337 ug/L | 98 |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 80302 | 4.440 ug/L | 96 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 79992 | 4.409 ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 12.21 | 146 | 78514 | 4.331 ug/L | 98 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 6893 | 4.304 ug/L # | 83 |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 61483 | 4.543 ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 52771 | 4.556 ug/L | 98 |
| 69) Naphthalene | 14.08 | 128 | 104467 | 4.483 ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 48946 | 4.561 ug/L | 97 |

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

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Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00508

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