Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111020\
Data File : VU041192.D
Acq On : 10 Nov 2020 21:06
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00525

Quant Time: Nov 11 00:55:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 11 00:43:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 59494 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 54905 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 34999 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 22061 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 88.20% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 20045 | 5.22 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 104.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 42638 | 4.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 87.00% | | | |
| 20) 2-Butanone-d5 | 4.65 | 46 | 78798 | 47.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 95.74% | | | |
| 24) Chloroform-d | 5.08 | 84 | 53071 | 6.01 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 120.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 31999 | 5.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 116.80% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 97510 | 6.64 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 132.80%# | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 26640 | 5.57 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 111.40% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 74391 | 5.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 111.80% | | | |
| 43) trans-1,3-Dichloropropene- | 8.19 | 79 | 11420 | 5.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 110.20% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 58552 | 52.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 104.96% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 24896 | 5.61 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 112.20% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 32782 | 5.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 106.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 25404 | 4.677 | ug/L | 99 |
| 3) Chloromethane | 1.53 | 50 | 23160 | 4.089 | ug/L | 98 |
| 5) Vinyl chloride | 1.61 | 62 | 23752 | 4.251 | ug/L | 99 |
| 6) Bromomethane | 1.87 | 94 | 14696 | 4.589 | ug/L | 94 |
| 8) Chloroethane | 1.94 | 64 | 16535 | 4.671 | ug/L | 99 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 40187 | 5.292 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 19530 | 4.388 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 17706 | 4.213 | ug/L | 94 |
| 13) Acetone | 2.66 | 43 | 49740 | 44.202 | ug/L # | 66 |
| 14) Carbon disulfide | 2.81 | 76 | 50797 | 3.617 | ug/L | 98 |
| 15) Methyl Acetate | 2.97 | 43 | 11014 | 4.277 | ug/L | 94 |
| 16) Methylene chloride | 3.06 | 84 | 23953 | 4.892 | ug/L | 94 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 49420 | 4.569 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 17765 | 4.160 | ug/L | 93 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 38406 | 4.498 | ug/L | 97 |
| 21) 2-Butanone | 4.73 | 43 | 80926 | 46.013 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.69 | 96 | 20423 | 4.636 | ug/L | 96 |

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Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00525

Quant Time: Nov 11 00:55:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 11 00:43:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.99 | 128 | 11384 | 5.478 ug/L | 92 |
| 25) Chloroform | 5.11 | 83 | 49946 | 5.833 ug/L | 97 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 35059 | 5.497 ug/L | 96 |
| 29) 1,1,1-Trichloroethane | 5.33 | 97 | 39722 | 5.915 ug/L | 95 |
| 30) Cyclohexane | 5.40 | 56 | 32181 | 4.864 ug/L | 97 |
| 31) Carbon tetrachloride | 5.54 | 117 | 33891 | 5.700 ug/L | 100 |
| 33) Benzene | 5.79 | 78 | 100434 | 6.122 ug/L | 100 |
| 34) Trichloroethene | 6.55 | 95 | 21777 | 5.216 ug/L | 96 |
| 35) Methylcyclohexane | 6.77 | 83 | 28102 | 4.512 ug/L | 97 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 22246 | 5.011 ug/L | 97 |
| 38) Bromodichloromethane | 7.11 | 83 | 30424 | 5.284 ug/L # | 97 |
| 39) cis-1,3-Dichloropropene | 7.62 | 75 | 30359 | 4.967 ug/L | 100 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 177927 | 50.270 ug/L | 99 |
| 42) Toluene | 7.98 | 91 | 86384 | 5.193 ug/L | 97 |
| 44) trans-1,3-Dichloropropene | 8.22 | 75 | 30103 | 5.263 ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.40 | 97 | 17079 | 5.168 ug/L | 92 |
| 47) Tetrachloroethene | 8.56 | 164 | 15401 | 5.017 ug/L | 96 |
| 48) 2-Hexanone | 8.69 | 43 | 139254 | 52.252 ug/L | 97 |
| 49) Dibromochloromethane | 8.82 | 129 | 21352 | 5.564 ug/L | 97 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 16975 | 5.391 ug/L # | 90 |
| 51) Chlorobenzene | 9.45 | 112 | 55298 | 5.242 ug/L | 99 |
| 52) Ethylbenzene | 9.57 | 91 | 96172 | 5.492 ug/L | 99 |
| 53) m,p-Xylene | 9.69 | 106 | 33271 | 5.210 ug/L | 98 |
| 54) o-Xylene | 10.10 | 106 | 32537 | 5.471 ug/L | 98 |
| 55) Styrene | 10.11 | 104 | 58000 | 5.473 ug/L | 99 |
| 56) Isopropylbenzene | 10.48 | 105 | 88957 | 5.562 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 23571 | 5.431 ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 17335 | 5.240 ug/L | 99 |
| 61) Bromoform | 10.29 | 173 | 12083 | 4.480 ug/L | 98 |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 54962 | 5.440 ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 54376 | 5.197 ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 12.20 | 146 | 49795 | 4.995 ug/L | 98 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 4387 | 4.490 ug/L | 90 |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 35521 | 5.027 ug/L | 97 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 25353 | 4.332 ug/L | 97 |
| 69) Naphthalene | 14.08 | 128 | 42517 | 4.062 ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 24684 | 4.576 ug/L | 99 |

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

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