Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010521\
Data File : VU041852.D
Acq On : 05 Jan 2021 13:06
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD005110

Quant Time: Jan 06 06:33:53 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 06 06:32:42 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 155772 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 150589 | 5.00 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 84894 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 50744 | 4.12 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 82.40% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 50259 | 4.31 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 86.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.57 | 65 | 24256 | 3.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 78.80% | | | |
| 20) 2-Butanone-d5 | 4.66 | 46 | 153057 | 43.89 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 87.78% | | | |
| 24) Chloroform-d | 5.08 | 84 | 103815 | 4.57 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 91.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.71 | 65 | 54665 | 4.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 86.80% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 199557 | 4.61 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 60266 | 4.50 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 90.00% | | | |
| 41) Toluene-d8 | 7.90 | 98 | 181460 | 4.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 90.20% | | | |
| 43) trans-1,3-Dichloropropene- | 8.18 | 79 | 26245 | 4.64 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 92.80% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 142994 | 47.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 94.72% | | | |
| 56) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 57161 | 4.52 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 90.40% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 71213 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 88.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 76299 | 5.351 | ug/L | 98 |
| 3) Chloromethane | 1.52 | 50 | 75608 | 5.831 | ug/L | 99 |
| 5) Vinyl chloride | 1.61 | 62 | 88657 | 5.581 | ug/L | 99 |
| 6) Bromomethane | 1.86 | 94 | 52537 | 4.828 | ug/L | 98 |
| 8) Chloroethane | 1.94 | 64 | 54735 | 5.442 | ug/L | 98 |
| 9) Trichlorofluoromethane | 2.14 | 101 | 118138 | 5.382 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 68365 | 5.531 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 67501 | 5.507 | ug/L | 90 |
| 13) Acetone | 2.67 | 43 | 115976 | 48.189 | ug/L # | 66 |
| 14) Carbon disulfide | 2.80 | 76 | 214101 | 5.218 | ug/L | 100 |
| 15) Methyl Acetate | 2.97 | 43 | 25592 | 4.538 | ug/L | 96 |
| 16) Methylene chloride | 3.06 | 84 | 74222 | 4.778 | ug/L | 94 |
| 17) Methyl tert-butyl Ether | 3.37 | 73 | 152610 | 5.139 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 3.36 | 96 | 64272 | 5.421 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.88 | 63 | 109025 | 5.180 | ug/L | 99 |
| 21) 2-Butanone | 4.74 | 43 | 158720 | 47.780 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 4.68 | 96 | 64492 | 5.238 | ug/L | 89 |

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Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD005110

Quant Time: Jan 06 06:33:53 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 06 06:32:42 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.99 | 128 | 31660 | 5.295 ug/L | 93 |
| 25) Chloroform | 5.10 | 83 | 111305 | 5.237 ug/L | 100 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 70542 | 5.100 ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 5.33 | 97 | 95513 | 5.303 ug/L | 98 |
| 30) Cyclohexane | 5.40 | 56 | 89230 | 5.379 ug/L | 98 |
| 31) Carbon tetrachloride | 5.54 | 117 | 86394 | 5.416 ug/L | 100 |
| 33) Benzene | 5.78 | 78 | 243422 | 5.423 ug/L | 100 |
| 34) Trichloroethene | 6.55 | 95 | 62725 | 5.345 ug/L | 98 |
| 35) Methylcyclohexane | 6.77 | 83 | 99337 | 5.522 ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 61679 | 5.530 ug/L | 100 |
| 38) Bromodichloromethane | 7.11 | 83 | 80964 | 5.528 ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 7.61 | 75 | 89597 | 5.357 ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 363642 | 50.929 ug/L | 99 |
| 42) Toluene | 7.97 | 91 | 271954 | 5.743 ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 8.21 | 75 | 83123 | 5.430 ug/L | 96 |
| 45) 1,1,2-Trichloroethane | 8.40 | 97 | 47591 | 5.269 ug/L | 97 |
| 47) Tetrachloroethene | 8.56 | 164 | 52940 | 5.771 ug/L | 97 |
| 48) 2-Hexanone | 8.69 | 43 | 272037 | 52.101 ug/L | 99 |
| 49) Dibromochloromethane | 8.81 | 129 | 59083 | 5.438 ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 46901 | 5.245 ug/L | 98 |
| 51) Chlorobenzene | 9.45 | 112 | 174058 | 5.605 ug/L | 99 |
| 52) Ethylbenzene | 9.57 | 91 | 284272 | 5.761 ug/L | 99 |
| 53) m,p-Xylene | 9.69 | 106 | 113673 | 5.874 ug/L | 98 |
| 54) o-Xylene | 10.10 | 106 | 106973 | 5.802 ug/L | 99 |
| 55) Styrene | 10.11 | 104 | 185103 | 5.831 ug/L | 100 |
| 57) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 60931 | 5.135 ug/L | 98 |
| 59) Bromoform | 10.29 | 173 | 37107 | 5.073 ug/L | 96 |
| 60) Isopropylbenzene | 10.48 | 105 | 288809 | 5.437 ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 10.82 | 75 | 44353 | 4.653 ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 11.09 | 105 | 233980 | 5.366 ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 11.47 | 105 | 243562 | 5.626 ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 11.74 | 146 | 141262 | 5.499 ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.83 | 146 | 139615 | 5.348 ug/L | 98 |
| 67) 1,2-Dichlorobenzene | 12.21 | 146 | 132897 | 5.202 ug/L | 99 |
| 68) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 10011 | 4.563 ug/L | 91 |
| 69) 1,3,5-Trichlorobenzene | 13.21 | 180 | 102871 | 5.344 ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 13.83 | 180 | 82256 | 5.858 ug/L | 99 |
| 71) Naphthalene | 14.08 | 128 | 137612 | 5.556 ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 14.32 | 180 | 78014 | 5.817 ug/L | 100 |

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

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**ClientSampleId :**
VSTD005110

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