Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
Data File : VU041892.D
Acq On : 08 Jan 2021 09:43
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00511

Quant Time: Jan 09 01:21:05 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 148362 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 135057 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 73557 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 45602 | 3.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 78.60% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 47845 | 5.33 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 106.60% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 101266 | 4.74 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 94.80% | | | |
| 20) 2-Butanone-d5 | 4.66 | 46 | 194160 | 58.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 116.56% | | | |
| 24) Chloroform-d | 5.08 | 84 | 114910 | 5.78 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 115.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.71 | 65 | 62599 | 5.55 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 111.00% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 215845 | 5.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 111.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 69722 | 5.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 115.00% | | | |
| 41) Toluene-d8 | 7.90 | 98 | 186251 | 5.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 106.80% | | | |
| 43) trans-1,3-Dichloropropene- | 8.18 | 79 | 26269 | 4.82 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 96.40% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 149005 | 49.99 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 99.98% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 60461 | 5.49 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 109.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 71844 | 5.49 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 109.80% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.39 | 85 | 61724 | 4.911 | ug/L | 100 |
| 3) Chloromethane | 1.52 | 50 | 60104 | 4.922 | ug/L | 100 |
| 5) Vinyl chloride | 1.61 | 62 | 70123 | 5.201 | ug/L | 99 |
| 6) Bromomethane | 1.86 | 94 | 46904 | 5.564 | ug/L | 98 |
| 8) Chloroethane | 1.94 | 64 | 44676 | 4.878 | ug/L | 100 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 102625 | 6.013 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 56872 | 5.572 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 55161 | 5.481 | ug/L | 90 |
| 13) Acetone | 2.67 | 43 | 99419 | 46.912 | ug/L | 100 |
| 14) Carbon disulfide | 2.80 | 76 | 177597 | 5.106 | ug/L | 99 |
| 15) Methyl Acetate | 2.97 | 43 | 25328 | 4.597 | ug/L | 91 |
| 16) Methylene chloride | 3.06 | 84 | 76196 | 6.339 | ug/L | 95 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 135380 | 5.041 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 55010 | 5.284 | ug/L | 96 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 100637 | 5.172 | ug/L | 98 |
| 21) 2-Butanone | 4.73 | 43 | 167512 | 48.527 | ug/L | 96 |
| 22) cis-1,2-Dichloroethene | 4.68 | 96 | 59457 | 5.168 | ug/L | 98 |

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Data File : VU041892.D
Acq On : 08 Jan 2021 09:43
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00511

Quant Time: Jan 09 01:21:05 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.99 | 128 | 28834 | 5.456 | ug/L | | 91 |
| 25) Chloroform | 5.10 | 83 | 103357 | 5.275 | ug/L | | 99 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 67745 | 5.106 | ug/L | | 100 |
| 29) 1,1,1-Trichloroethane | 5.33 | 97 | 89932 | 5.798 | ug/L | | 97 |
| 30) Cyclohexane | 5.40 | 56 | 83109 | 4.781 | ug/L | | 93 |
| 31) Carbon tetrachloride | 5.54 | 117 | 78729 | 5.870 | ug/L | | 99 |
| 33) Benzene | 5.79 | 78 | 223175 | 5.167 | ug/L | | 100 |
| 34) Trichloroethene | 6.55 | 95 | 58110 | 5.354 | ug/L | | 98 |
| 35) Methylcyclohexane | 6.77 | 83 | 85028 | 4.846 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 57008 | 5.160 | ug/L | | 100 |
| 38) Bromodichloromethane | 7.11 | 83 | 73558 | 5.352 | ug/L | | 97 |
| 39) cis-1,3-Dichloropropene | 7.61 | 75 | 76222 | 4.656 | ug/L | | 100 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 355952 | 45.278 | ug/L | | 96 |
| 42) Toluene | 7.97 | 91 | 233421 | 5.234 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 8.21 | 75 | 71593 | 4.890 | ug/L | | 93 |
| 45) 1,1,2-Trichloroethane | 8.40 | 97 | 43083 | 5.273 | ug/L | | 98 |
| 47) Tetrachloroethene | 8.56 | 164 | 42906 | 5.647 | ug/L | | 95 |
| 48) 2-Hexanone | 8.69 | 43 | 243917 | 42.632 | ug/L | # | 95 |
| 49) Dibromochloromethane | 8.81 | 129 | 53369 | 5.687 | ug/L | | 97 |
| 50) 1,2-Dibromoethane | 8.92 | 107 | 41752 | 5.166 | ug/L | # | 95 |
| 51) Chlorobenzene | 9.45 | 112 | 141855 | 5.117 | ug/L | | 96 |
| 52) Ethylbenzene | 9.57 | 91 | 227563 | 4.792 | ug/L | | 97 |
| 53) m,p-Xylene | 9.69 | 106 | 90498 | 5.110 | ug/L | | 96 |
| 54) o-Xylene | 10.10 | 106 | 87955 | 5.071 | ug/L | | 94 |
| 55) Styrene | 10.11 | 104 | 152181 | 5.079 | ug/L | | 99 |
| 56) Isopropylbenzene | 10.48 | 105 | 231183 | 5.007 | ug/L | | 98 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 54642 | 4.806 | ug/L | | 100 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 40181 | 4.843 | ug/L | | 99 |
| 61) Bromoform | 10.29 | 173 | 32962 | 5.928 | ug/L | | 99 |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 115910 | 5.152 | ug/L | | 98 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 116569 | 5.154 | ug/L | | 98 |
| 65) 1,2-Dichlorobenzene | 12.20 | 146 | 113307 | 5.143 | ug/L | | 97 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 9307 | 4.505 | ug/L | # | 79 |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 82650 | 4.840 | ug/L | | 99 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 64032 | 4.468 | ug/L | | 97 |
| 69) Naphthalene | 14.07 | 128 | 110072 | 3.711 | ug/L | | 98 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 65046 | 4.762 | ug/L | | 98 |

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

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Acq On : 08 Jan 2021 09:43
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00511

Quant Time: Jan 09 01:21:05 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration