Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101518\
Data File : VV008276.D
Acq On : 15 Oct 2018 15:47
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VICV75

Quant Time: Oct 16 05:21:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 16 05:17:07 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 151022 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 139013 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 62099 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 39612 | 4.64 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 92.80% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 29243 | 4.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 86.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 77188 | 4.71 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 94.20% | | | |
| 20) 2-Butanone-d5 | 3.98 | 46 | 135364 | 47.29 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 94.58% | | | |
| 24) Chloroform-d | 4.41 | 84 | 89954 | 4.72 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 94.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 44876 | 4.64 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 92.80% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 191039 | 4.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 64474 | 4.80 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 96.00% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 173002 | 4.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 93.60% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 24836 | 4.46 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 89.20% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 100615 | 51.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 102.96% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 40918 | 4.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 91.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 55107 | 4.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 93.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 56115 | 4.826 | ug/L | 98 |
| 3) Chloromethane | 1.25 | 50 | 56508 | 4.761 | ug/L | 95 |
| 5) Vinyl chloride | 1.32 | 62 | 53466 | 4.758 | ug/L | 98 |
| 6) Bromomethane | 1.54 | 94 | 30800 | 4.790 | ug/L | 98 |
| 8) Chloroethane | 1.60 | 64 | 29520 | 5.054 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 71532 | 5.236 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 38216 | 4.902 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 35210 | 4.853 | ug/L | 96 |
| 13) Acetone | 2.24 | 43 | 71295 | 46.030 | ug/L | 98 |
| 14) Carbon disulfide | 2.32 | 76 | 125396 | 5.024 | ug/L | 100 |
| 15) Methyl Acetate | 2.48 | 43 | 16805 | 4.362 | ug/L | 97 |
| 16) Methylene chloride | 2.54 | 84 | 38616 | 4.599 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 2.82 | 73 | 103905 | 5.042 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 38660 | 4.953 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 76196 | 4.725 | ug/L | 98 |
| 21) 2-Butanone | 4.07 | 43 | 153127 | 47.613 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 61251 | 4.860 | ug/L # | 100 |

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Sample : VSTDICV005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VICV75

Quant Time: Oct 16 05:21:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 16 05:17:07 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 23147 | 4.954 | ug/L | 98 |
| 25) Chloroform | 4.43 | 83 | 97090 | 4.912 | ug/L | 98 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 59272 | 5.044 | ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 84339 | 4.872 | ug/L | 98 |
| 30) Cyclohexane | 4.72 | 56 | 105268 | 4.838 | ug/L | 99 |
| 31) Carbon tetrachloride | 4.87 | 117 | 70581 | 4.849 | ug/L | 98 |
| 33) Benzene | 5.15 | 78 | 230838 | 4.928 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 62241 | 4.795 | ug/L | 97 |
| 35) Methylcyclohexane | 6.17 | 83 | 107259 | 4.900 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 63010 | 4.985 | ug/L | 99 |
| 38) Bromodichloromethane | 6.56 | 83 | 70437 | 4.961 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 90790 | 5.034 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.29 | 43 | 372585 | 48.132 | ug/L | 99 |
| 42) Toluene | 7.43 | 91 | 241584 | 4.947 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 72300 | 5.009 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 38593 | 4.918 | ug/L | 99 |
| 47) Tetrachloroethene | 8.02 | 164 | 39711 | 4.882 | ug/L | 96 |
| 48) 2-Hexanone | 8.19 | 43 | 276708 | 48.907 | ug/L | 99 |
| 49) Dibromochloromethane | 8.29 | 129 | 44921 | 5.022 | ug/L | 96 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 36383 | 4.947 | ug/L | 94 |
| 51) Chlorobenzene | 8.93 | 112 | 148060 | 5.104 | ug/L | 99 |
| 52) Ethylbenzene | 9.06 | 91 | 269948 | 5.028 | ug/L | 100 |
| 53) m,p-xylene | 9.18 | 106 | 100481 | 5.174 | ug/L | 98 |
| 54) o-xylene | 9.59 | 106 | 97528 | 5.041 | ug/L | 100 |
| 55) Styrene | 9.60 | 104 | 160406 | 5.153 | ug/L | 99 |
| 56) Isopropylbenzene | 9.98 | 105 | 257049 | 5.041 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 42495 | 4.760 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 34996 | 4.948 | ug/L | 98 |
| 61) Bromoform | 9.78 | 173 | 22207 | 4.892 | ug/L | 98 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 104914 | 4.991 | ug/L | 95 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 104122 | 5.004 | ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 98067 | 4.867 | ug/L | 100 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 6987 | 4.597 | ug/L | 91 |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 70371 | 5.175 | ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 55411 | 5.724 | ug/L | 99 |
| 69) Naphthalene | 13.56 | 128 | 95525 | 5.293 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 52461 | 5.458 | ug/L | 99 |

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

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**ClientSampleId :**
VICV75

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