Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090618\
Data File : VV007419.D
Acq On : 06 Sep 2018 14:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

Manual Integrations APPROVED
MMDadoda
9/7/2018 1:12:29 PM

Quant Time: Sep 07 01:26:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 06 02:12:11 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 505166 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 509204 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 255498 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 138984 | 38.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 77.04% | | | |
| 7) Chloroethane-d5 | 1.56 | 69 | 108000 | 45.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 91.38% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 261951 | 41.21 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 82.42% | | | |
| 21) 2-Butanone-d5 | 3.96 | 46 | 273502 | 93.18 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 93.18% | | | |
| 24) Chloroform-d | 4.41 | 84 | 348880 | 46.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 93.48% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 212362 | 47.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.32% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 640981 | 41.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 83.54% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 223574 | 43.47 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 86.94% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 583716 | 44.18 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 88.36% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 97813 | 44.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 89.30% | | | |
| 47) 2-Hexanone-d5 | 8.14 | 63 | 200466 | 99.43 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 99.43% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84 | 365959 | 52.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 104.20% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 259478 | 47.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 94.50% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 214063m | 53.39 | ug/L | |
| 3) Chloromethane | 1.26 | 50 | 248259 | 58.37 | ug/L | 100 |
| 5) Vinyl chloride | 1.33 | 62 | 225638 | 52.33 | ug/L | 100 |
| 6) Bromomethane | 1.51 | 94 | 90518 | 43.57 | ug/L | 100 |
| 8) Chloroethane | 1.58 | 64 | 118404 | 53.51 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.76 | 101 | 280534 | 51.40 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 177790 | 52.46 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 158756 | 49.69 | ug/L | 91 |
| 13) Acetone | 2.19 | 43 | 196532 | 112.45 | ug/L | 98 |
| 14) Carbon disulfide | 2.31 | 76 | 437432 | 48.32 | ug/L | 100 |
| 15) Methyl Acetate | 2.46 | 43 | 186673 | 49.03 | ug/L | 99 |
| 16) Methylene chloride | 2.53 | 84 | 193116 | 50.83 | ug/L | 99 |
| 17) trans-1,2-Dichloroethene | 2.79 | 96 | 171864 | 49.31 | ug/L | 99 |
| 18) Methyl tert-butyl Ether | 2.81 | 73 | 551712 | 50.55 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 332141 | 46.01 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 3.96 | 96 | 198888 | 49.59 | ug/L | 100 |
| 22) 2-Butanone | 4.04 | 43 | 310305 | 106.01 | ug/L | 99 |

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Quant Title : VOC Analysis
QLast Update : Thu Sep 06 02:12:11 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05071

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 105213 | 50.14 | ug/L | 99 |
| 25) Chloroform | 4.43 | 83 | 360034 | 50.67 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 265717 | 49.95 | ug/L | 100 |
| 29) Cyclohexane | 4.72 | 56 | 272662 | 48.30 | ug/L | 100 |
| 30) 1,1,1-Trichloroethane | 4.66 | 97 | 294191 | 47.31 | ug/L | 99 |
| 31) Carbon tetrachloride | 4.87 | 117 | 256161 | 47.59 | ug/L | 100 |
| 33) Benzene | 5.15 | 78 | 806467 | 49.51 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 185895 | 46.75 | ug/L | 98 |
| 35) Methylcyclohexane | 6.18 | 83 | 298978 | 50.43 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 218377 | 48.79 | ug/L | 100 |
| 38) Bromodichloromethane | 6.56 | 83 | 265518 | 48.58 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 283124 | 47.10 | ug/L | 100 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 526554 | 101.83 | ug/L | 99 |
| 42) Toluene | 7.43 | 91 | 828547 | 52.88 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 283177 | 50.39 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 208767 | 49.42 | ug/L | 100 |
| 46) Tetrachloroethene | 8.02 | 164 | 159267 | 49.81 | ug/L | 98 |
| 48) 2-Hexanone | 8.19 | 43 | 451125 | 111.87 | ug/L | 97 |
| 49) Dibromochloromethane | 8.30 | 129 | 216037 | 49.86 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 205980 | 49.92 | ug/L | 99 |
| 51) Chlorobenzene | 8.93 | 112 | 536239 | 50.68 | ug/L | 99 |
| 52) Ethylbenzene | 9.06 | 91 | 845492 | 53.21 | ug/L | 100 |
| 53) m,p-Xylene | 9.19 | 106 | 334040 | 54.91 | ug/L | 98 |
| 54) o-xylene | 9.59 | 106 | 317487 | 53.67 | ug/L | 100 |
| 55) Styrene | 9.61 | 104 | 600929 | 58.64 | ug/L | 99 |
| 56) Isopropylbenzene | 9.98 | 105 | 826852 | 55.27 | ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 352389 | 52.74 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 280051 | 52.61 | ug/L | 100 |
| 61) Bromoform | 9.78 | 173 | 162951 | 46.83 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 387839 | 49.97 | ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 431946 | 51.89 | ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 452256 | 52.12 | ug/L | 97 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 68926 | 46.85 | ug/L | 98 |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 305794 | 51.34 | ug/L | 100 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 227692 | 49.35 | ug/L | 100 |
| 69) Naphthalene | 13.56 | 128 | 627067 | 47.09 | ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 263853 | 51.75 | ug/L | 99 |

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

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