Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072320\
Data File : VV017608.D
Acq On : 23 Jul 2020 17:26
Operator : SY/MD
Sample : MDL03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Manual Integrations APPROVED
sam
7/24/2020 7:04:48 PM

Quant Time: Jul 24 11:50:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 24 02:08:23 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 188128 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 181071 | 5.00 | ug/L | 0.00 |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 89469 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.31 | 65 | 46492 | 5.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 103.60% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 36156 | 5.26 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 105.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 76377 | 3.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 75.80% | | | |
| 20) 2-Butanone-d5 | 3.95 | 46 | 106826 | 49.71 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 99.42% | | | |
| 24) Chloroform-d | 4.38 | 84 | 105974 | 4.87 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 97.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 58644 | 5.23 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 104.60% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 198917 | 4.98 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 99.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 56757 | 5.11 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 102.20% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 185615 | 4.85 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 97.00% | | | |
| 45) trans-1,3-Dichloropropene- | 7.65 | 79 | 24204 | 4.81 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 96.20% | | | |
| 48) 2-Hexanone-d5 | 8.11 | 63 | 73080 | 46.90 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 93.80% | | | |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 38211 | 4.95 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 99.00% | | | |
| 65) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 71441 | 5.28 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 105.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 5552 | 0.269 | ug/L | 95 |
| 3) Chloromethane | 1.25 | 50 | 4135 | 0.308 | ug/L | 94 |
| 5) Vinyl chloride | 1.32 | 62 | 4134 | 0.308 | ug/L # | 77 |
| 6) Bromomethane | 1.53 | 94 | 2649 | 0.307 | ug/L | 96 |
| 8) Chloroethane | 1.60 | 64 | 2508 | 0.323 | ug/L | 95 |
| 9) Trichlorofluoromethane | 1.76 | 101 | 6740 | 0.280 | ug/L | 94 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 3986 | 0.355 | ug/L | 90 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 3505 | 0.346 | ug/L # | 1 |
| 13) Acetone | 2.23 | 43 | 6516m | 3.873 | ug/L | |
| 14) Carbon disulfide | 2.31 | 76 | 8746 | 0.284 | ug/L | 99 |
| 15) Methyl Acetate | 2.46 | 43 | 1082m | 0.331 | ug/L | |
| 16) Methylene chloride | 2.52 | 84 | 5115 | 0.454 | ug/L | 80 |
| 17) Methyl tert-butyl Ether | 2.79 | 73 | 7619 | 0.293 | ug/L # | 85 |
| 18) trans-1,2-Dichloroethene | 2.78 | 96 | 3315 | 0.300 | ug/L | 95 |
| 19) 1,1-Dichloroethane | 3.21 | 63 | 6463 | 0.278 | ug/L | 97 |
| 21) 2-Butanone | 4.05 | 43 | 7462m | 2.627 | ug/L | |
| 22) cis-1,2-Dichloroethene | 3.93 | 96 | 3790 | 0.273 | ug/L | 92 |

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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.28 | 128 | 1841 | 0.287 ug/L # | 95 |
| 25) Chloroform | 4.40 | 83 | 8222 | 0.316 ug/L | 92 |
| 27) 1,2-Dichloroethane | 5.16 | 62 | 5111 | 0.303 ug/L | 97 |
| 29) 1,1,1-Trichloroethane | 4.64 | 97 | 6943 | 0.274 ug/L | 94 |
| 30) Cyclohexane | 4.69 | 56 | 4838 | 0.241 ug/L # | 83 |
| 31) Carbon tetrachloride | 4.85 | 117 | 5987 | 0.266 ug/L | 94 |
| 33) Benzene | 5.13 | 78 | 13710 | 0.267 ug/L | 100 |
| 34) Trichloroethene | 5.94 | 95 | 4151 | 0.290 ug/L | 93 |
| 35) Methylcyclohexane | 6.15 | 83 | 4978 | 0.230 ug/L # | 86 |
| 37) 1,2-Dichloropropane | 6.20 | 63 | 3159 | 0.262 ug/L # | 92 |
| 38) Bromodichloromethane | 6.54 | 83 | 4748 | 0.268 ug/L # | 94 |
| 39) cis-1,3-Dichloropropene | 7.05 | 75 | 5056 | 0.278 ug/L | 93 |
| 40) 4-Methyl-2-pentanone | 7.26 | 43 | 16408 | 2.484 ug/L # | 87 |
| 42) Toluene | 7.41 | 91 | 14486 | 0.259 ug/L | 92 |
| 43) 1,3,5-Trimethylbenzene | 10.56 | 105 | 11031 | 0.211 ug/L | 98 |
| 44) 1,2,4-Trimethylbenzene | 10.94 | 105 | 10613 | 0.199 ug/L | 97 |
| 46) trans-1,3-Dichloropropene | 7.68 | 75 | 4361 | 0.267 ug/L | 93 |
| 47) 1,1,2-Trichloroethane | 7.87 | 97 | 2554 | 0.280 ug/L | 93 |
| 49) Tetrachloroethene | 8.00 | 164 | 3449 | 0.273 ug/L | 87 |
| 50) 2-Hexanone | 8.17 | 43 | 16417 | 3.513 ug/L | 98 |
| 51) Dibromochloromethane | 8.27 | 129 | 3363 | 0.289 ug/L | 99 |
| 52) 1,2-Dibromoethane | 8.38 | 107 | 2509 | 0.291 ug/L # | 97 |
| 53) Chlorobenzene | 8.90 | 112 | 10307 | 0.277 ug/L | 90 |
| 54) Ethylbenzene | 9.04 | 91 | 15133 | 0.242 ug/L | 96 |
| 55) m,p-xylene | 9.16 | 106 | 6153 | 0.261 ug/L | 96 |
| 56) o-xylene | 9.57 | 106 | 5543 | 0.242 ug/L | 87 |
| 57) Styrene | 9.59 | 104 | 9253 | 0.242 ug/L | 81 |
| 58) Isopropylbenzene | 9.95 | 105 | 14935 | 0.237 ug/L | 98 |
| 60) 1,1,2,2-Tetrachloroethane | 10.26 | 83 | 2719 | 0.273 ug/L # | 97 |
| 62) Bromoform | 9.76 | 173 | 1655 | 0.289 ug/L # | 95 |
| 63) 1,3-Dichlorobenzene | 11.21 | 146 | 7795 | 0.271 ug/L | 95 |
| 64) 1,4-Dichlorobenzene | 11.30 | 146 | 8809 | 0.305 ug/L | 96 |
| 66) 1,2-Dichlorobenzene | 11.67 | 146 | 7986 | 0.304 ug/L | 94 |
| 67) 1,2-Dibromo-3-chloropropan | 12.45 | 75 | 467 | 0.285 ug/L # | 80 |
| 68) 1,3,5-Trichlorobenzene | 12.67 | 180 | 6393 | 0.273 ug/L | 97 |
| 69) 1,2,4-trichlorobenzene | 13.29 | 180 | 5532 | 0.283 ug/L | 94 |
| 70) Naphthalene | 13.53 | 128 | 6347 | 0.233 ug/L | 97 |
| 71) 1,2,3-Trichlorobenzene | 13.77 | 180 | 4452 | 0.257 ug/L | 98 |

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

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