Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092220\
Data File : VX018537.D
Acq On : 23 Sep 2020 14:09
Operator : JC/SP
Sample : MDL01
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Manual Integrations APPROVED
MMDadoda
9/28/2020 5:14:13 PM

Quant Time: Sep 24 01:11:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR092220WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 24 00:42:13 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.83 | 114 | 283644 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 10.10 | 117 | 267438 | 5.00 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 124227 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 80751 | 5.22 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 104.40% | | | |
| 7) Chloroethane-d5 | 1.70 | 69 | 67203 | 5.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 109.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.34 | 63 | 136979 | 4.09 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 81.80% | | | |
| 20) 2-Butanone-d5 | 4.54 | 46 | 193305 | 53.24 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 106.48% | | | |
| 24) Chloroform-d | 5.14 | 84 | 175066 | 5.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 106.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 6.03 | 65 | 97070 | 5.15 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 103.00% | | | |
| 32) Benzene-d6 | 6.04 | 84 | 332974 | 5.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 109.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 7.37 | 67 | 100521 | 5.46 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 109.20% | | | |
| 41) Toluene-d8 | 8.70 | 98 | 302913 | 5.11 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 102.20% | | | |
| 43) trans-1,3-Dichloropropene- | 8.99 | 79 | 42509 | 5.42 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 108.40% | | | |
| 46) 2-Hexanone-d5 | 9.43 | 63 | 151181 | 52.47 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 104.94% | | | |
| 56) 1,1,2,2-Tetrachloroethane- | 11.23 | 84 | 69337 | 5.15 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 103.00% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.36 | 152 | 112378 | 5.69 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 113.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.18 | 85 | 4452 | 0.269 | ug/L | 94 |
| 3) Chloromethane | 1.31 | 50 | 5081 | 0.359 | ug/L | 91 |
| 5) Vinyl chloride | 1.39 | 62 | 4256m | 0.291 | ug/L | |
| 6) Bromomethane | 1.64 | 94 | 2856 | 0.323 | ug/L | 86 |
| 8) Chloroethane | 1.72 | 64 | 2679 | 0.327 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.92 | 101 | 6257 | 0.258 | ug/L # | 80 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.37 | 101 | 4686 | 0.339 | ug/L # | 81 |
| 12) 1,1-Dichloroethene | 2.36 | 96 | 4670m | 0.363 | ug/L | |
| 13) Acetone | 2.44 | 43 | 6061m | 2.983 | ug/L | |
| 14) Carbon disulfide | 2.55 | 76 | 11814 | 0.289 | ug/L # | 92 |
| 15) Methyl Acetate | 2.75 | 43 | 1743 | 0.343 | ug/L # | 81 |
| 16) Methylene chloride | 2.84 | 84 | 16320 | 0.944 | ug/L | 93 |
| 17) Methyl tert-butyl Ether | 3.17 | 73 | 7535 | 0.260 | ug/L # | 89 |
| 18) trans-1,2-Dichloroethene | 3.14 | 96 | 3660 | 0.275 | ug/L | 88 |
| 19) 1,1-Dichloroethane | 3.67 | 63 | 6076 | 0.256 | ug/L | 92 |
| 21) 2-Butanone | 4.65 | 43 | 9670 | 3.238 | ug/L | 89 |
| 22) cis-1,2-Dichloroethene | 4.55 | 96 | 3924m | 0.286 | ug/L | |

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 24 00:42:13 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.97 | 128 | 2167 | 0.321 ug/L | | 78 |
| 25) Chloroform | 5.18 | 83 | 11219 | 0.432 ug/L | | 79 |
| 27) 1,2-Dichloroethane | 6.16 | 62 | 5649 | 0.342 ug/L | # | 83 |
| 29) 1,1,1-Trichloroethane | 5.45 | 97 | 6000 | 0.249 ug/L | | 90 |
| 30) Cyclohexane | 5.56 | 56 | 5083m | 0.257 ug/L | | |
| 31) Carbon tetrachloride | 5.76 | 117 | 5916 | 0.275 ug/L | | 88 |
| 33) Benzene | 6.11 | 78 | 12907 | 0.263 ug/L | | 100 |
| 34) Trichloroethene | 7.18 | 95 | 3612 | 0.260 ug/L | | 93 |
| 35) Methylcyclohexane | 7.44 | 83 | 5103 | 0.260 ug/L | # | 85 |
| 37) 1,2-Dichloropropane | 7.49 | 63 | 3198 | 0.253 ug/L | # | 87 |
| 38) Bromodichloromethane | 7.87 | 83 | 4806 | 0.273 ug/L | | 90 |
| 39) cis-1,3-Dichloropropene | 8.41 | 75 | 4201m | 0.226 ug/L | | |
| 40) 4-Methyl-2-pentanone | 8.62 | 43 | 15961 | 2.273 ug/L | # | 89 |
| 42) Toluene | 8.76 | 91 | 12423 | 0.236 ug/L | | 93 |
| 44) trans-1,3-Dichloropropene | 9.02 | 75 | 3477m | 0.207 ug/L | | |
| 45) 1,1,2-Trichloroethane | 9.20 | 97 | 2312 | 0.254 ug/L | # | 78 |
| 47) Tetrachloroethene | 9.32 | 164 | 2870 | 0.248 ug/L | | 93 |
| 48) 2-Hexanone | 9.47 | 43 | 12950 | 2.523 ug/L | # | 95 |
| 49) Dibromochloromethane | 9.56 | 129 | 2652 | 0.220 ug/L | # | 62 |
| 50) 1,2-Dibromoethane | 9.65 | 107 | 2377 | 0.274 ug/L | # | 90 |
| 51) Chlorobenzene | 10.12 | 112 | 9358 | 0.269 ug/L | | 92 |
| 52) Ethylbenzene | 10.23 | 91 | 13272 | 0.234 ug/L | | 94 |
| 53) m,p-xylene | 10.34 | 106 | 5090 | 0.235 ug/L | | 95 |
| 54) o-xylene | 10.68 | 106 | 4537 | 0.225 ug/L | | 89 |
| 55) Styrene | 10.70 | 104 | 7276 | 0.211 ug/L | | 94 |
| 57) 1,1,2,2-Tetrachloroethane | 11.25 | 83 | 2862 | 0.277 ug/L | # | 88 |
| 59) Bromoform | 10.84 | 173 | 1709 | 0.257 ug/L | # | 91 |
| 60) Isopropylbenzene | 11.00 | 105 | 10966 | 0.216 ug/L | # | 93 |
| 61) 1,2,3-Trichloropropane | 11.29 | 75 | 1770 | 0.233 ug/L | # | 72 |
| 62) 1,3,5-Trimethylbenzene | 11.49 | 105 | 8337 | 0.203 ug/L | | 95 |
| 63) 1,2,4-Trimethylbenzene | 11.79 | 105 | 8575 | 0.205 ug/L | | 100 |
| 64) 1,3-Dichlorobenzene | 12.01 | 146 | 6051 | 0.234 ug/L | # | 66 |
| 65) 1,4-Dichlorobenzene | 12.09 | 146 | 7583 | 0.288 ug/L | | 92 |
| 67) 1,2-Dichlorobenzene | 12.38 | 146 | 6444 | 0.267 ug/L | | 96 |
| 68) 1,2-Dibromo-3-chloropropan | 12.98 | 75 | 686 | 0.329 ug/L | # | 36 |
| 69) 1,3,5-Trichlorobenzene | 13.15 | 180 | 4459 | 0.235 ug/L | # | 90 |
| 70) 1,2,4-trichlorobenzene | 13.63 | 180 | 4417 | 0.280 ug/L | | 90 |
| 71) Naphthalene | 13.82 | 128 | 5362 | 0.204 ug/L | # | 91 |
| 72) 1,2,3-Trichlorobenzene | 14.01 | 180 | 3427 | 0.240 ug/L | | 95 |

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

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