Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091020\
Data File : VV018189.D
Acq On : 10 Sep 2020 19:19
Operator : SY/MD
Sample : MDL07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Manual Integrations APPROVED
MMDadoda
9/11/2020 10:29:17 AM

Quant Time: Sep 11 03:26:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 11 01:30:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 286518 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 285863 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 144311 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 96292 | 41.24 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 82.48% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 84510 | 44.23 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 88.46% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 147331 | 34.40 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 68.80% | | | |
| 21) 2-Butanone-d5 | 3.91 | 46 | 142838 | 99.94 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 99.94% | | | |
| 24) Chloroform-d | 4.38 | 84 | 182710 | 45.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 90.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 127349 | 49.04 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 98.08% | | | |
| 32) Benzene-d6 | 5.08 | 84 | 379919 | 46.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.84% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.10 | 67 | 124545 | 47.90 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 95.80% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 343204 | 46.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 92.04% | | | |
| 43) trans-1,3-Dichloropropene- | 7.64 | 79 | 59648 | 45.14 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 90.28% | | | |
| 47) 2-Hexanone-d5 | 8.11 | 63 | 89468 | 90.84 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 90.84% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 151178 | 46.32 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 92.64% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 147308 | 49.70 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 4973 | 2.380 | ug/L | 95 |
| 3) Chloromethane | 1.25 | 50 | 5705 | 2.501 | ug/L | 91 |
| 5) Vinyl chloride | 1.32 | 62 | 5944 | 2.541 | ug/L # | 64 |
| 6) Bromomethane | 1.53 | 94 | 3480 | 2.434 | ug/L | 99 |
| 8) Chloroethane | 1.60 | 64 | 3597 | 2.454 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 7983 | 2.480 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 6238 | 3.226 | ug/L # | 82 |
| 12) 1,1-Dichloroethene | 2.13 | 96 | 5890 | 3.131 | ug/L # | 1 |
| 13) Acetone | 2.20 | 43 | 5685 | 4.967 | ug/L | 99 |
| 14) Carbon disulfide | 2.31 | 76 | 14057 | 2.442 | ug/L | 97 |
| 15) Methyl Acetate | 2.46 | 43 | 4952 | 2.408 | ug/L | 94 |
| 16) Methylene chloride | 2.53 | 84 | 9277 | 4.397 | ug/L | 97 |
| 17) trans-1,2-Dichloroethene | 2.78 | 96 | 4491 | 2.316 | ug/L | 99 |
| 18) Methyl tert-butyl Ether | 2.79 | 73 | 13773 | 2.296 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.22 | 63 | 9058 | 2.471 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 3.95 | 96 | 5166 | 2.493 | ug/L | 96 |
| 22) 2-Butanone | 4.02 | 43 | 6059m | 4.471 | ug/L | |

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 11 01:30:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.29 | 128 | 2628m | 2.424 | ug/L | | |
| 25) Chloroform | 4.41 | 83 | 17319 | 4.648 | ug/L | | 99 |
| 27) 1,2-Dichloroethane | 5.17 | 62 | 7381 | 2.559 | ug/L | | 100 |
| 29) Cyclohexane | 4.70 | 56 | 7208 | 2.184 | ug/L | | 95 |
| 30) 1,1,1-Trichloroethane | 4.64 | 97 | 7467 | 2.251 | ug/L | | 96 |
| 31) Carbon tetrachloride | 4.86 | 117 | 6710 | 2.300 | ug/L | | 96 |
| 33) Benzene | 5.13 | 78 | 19646 | 2.404 | ug/L | | 100 |
| 34) Trichloroethene | 5.95 | 95 | 5649 | 2.537 | ug/L | | 98 |
| 35) Methylcyclohexane | 6.16 | 83 | 7694 | 2.295 | ug/L | | 98 |
| 37) 1,2-Dichloropropane | 6.21 | 63 | 4782 | 2.208 | ug/L | # | 91 |
| 38) Bromodichloromethane | 6.54 | 83 | 6686 | 2.372 | ug/L | | 89 |
| 39) cis-1,3-Dichloropropene | 7.05 | 75 | 6902 | 2.068 | ug/L | | 96 |
| 40) 4-Methyl-2-pentanone | 7.25 | 43 | 10969 | 4.175 | ug/L | | 99 |
| 42) Toluene | 7.41 | 91 | 20514 | 2.372 | ug/L | | 94 |
| 44) trans-1,3-Dichloropropene | 7.68 | 75 | 7798 | 2.400 | ug/L | | 96 |
| 45) 1,1,2-Trichloroethane | 7.86 | 97 | 4931 | 2.456 | ug/L | | 93 |
| 46) Tetrachloroethene | 8.00 | 164 | 4103 | 2.350 | ug/L | | 95 |
| 48) 2-Hexanone | 8.16 | 43 | 16095 | 7.770 | ug/L | | 95 |
| 49) Dibromochloromethane | 8.27 | 129 | 5037 | 2.235 | ug/L | | 99 |
| 50) 1,2-Dibromoethane | 8.38 | 107 | 4772 | 2.259 | ug/L | | 97 |
| 51) Chlorobenzene | 8.90 | 112 | 13676 | 2.435 | ug/L | | 96 |
| 52) Ethylbenzene | 9.04 | 91 | 20701 | 2.192 | ug/L | | 99 |
| 53) m,p-Xylene | 9.16 | 106 | 7697 | 2.184 | ug/L | | 95 |
| 54) o-xylene | 9.57 | 106 | 7188 | 2.117 | ug/L | | 97 |
| 55) Styrene | 9.59 | 104 | 11227 | 1.902 | ug/L | | 99 |
| 56) Isopropylbenzene | 9.95 | 105 | 18339 | 2.004 | ug/L | | 98 |
| 58) 1,1,2,2-Tetrachloroethane | 10.26 | 83 | 7591 | 2.556 | ug/L | # | 97 |
| 59) 1,2,3-Trichloropropane | 10.30 | 75 | 6205 | 2.436 | ug/L | | 98 |
| 61) Bromoform | 9.76 | 173 | 3209 | 2.070 | ug/L | | 96 |
| 62) 1,3-Dichlorobenzene | 11.21 | 146 | 10525 | 2.453 | ug/L | | 99 |
| 63) 1,4-Dichlorobenzene | 11.30 | 146 | 11446 | 2.595 | ug/L | | 99 |
| 65) 1,2-Dichlorobenzene | 11.67 | 146 | 11375 | 2.623 | ug/L | # | 90 |
| 66) 1,2-Dibromo-3-chloropropan | 12.45 | 75 | 1244 | 2.032 | ug/L | | 92 |
| 67) 1,3,5-Trichlorobenzene | 12.67 | 180 | 7977 | 2.358 | ug/L | | 99 |
| 68) 1,2,4-trichlorobenzene | 13.29 | 180 | 6735 | 2.236 | ug/L | | 99 |
| 69) Naphthalene | 13.53 | 128 | 13658 | 1.792 | ug/L | | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.77 | 180 | 6792 | 2.289 | ug/L | | 94 |

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

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