Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081518\
Data File : VU026167.D
Acq On : 16 Aug 2018 00:02
Operator : MD/SY
Sample : MDL05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Manual Integrations APPROVED
MMDadoda
8/16/2018 4:20:30 PM

Quant Time: Aug 16 05:06:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 04:40:24 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.89 | 114 | 278482 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 261489 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 110020 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 66209 | 40.49 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 80.98% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 57977 | 43.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 86.26% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 106142 | 33.05 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 66.10% | | | |
| 21) 2-Butanone-d5 | 4.18 | 46 | 128419 | 102.35 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 102.35% | | | |
| 24) Chloroform-d | 4.65 | 84 | 163179 | 44.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 89.10% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 111065 | 46.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.66% | | | |
| 32) Benzene-d6 | 5.35 | 84 | 312560 | 46.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.72% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 105363 | 47.54 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 95.08% | | | |
| 41) Toluene-d8 | 7.57 | 98 | 284873 | 44.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 88.30% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 45086 | 42.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 85.92% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 89882 | 98.98 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 98.98% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 145322 | 46.58 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 93.16% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 112570 | 49.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.34% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 5232 | 2.37 | ug/L | 99 |
| 3) Chloromethane | 1.33 | 50 | 5441 | 2.71 | ug/L | 95 |
| 5) Vinyl chloride | 1.40 | 62 | 5020 | 2.50 | ug/L # | 82 |
| 6) Bromomethane | 1.62 | 94 | 2676 | 2.59 | ug/L | 89 |
| 8) Chloroethane | 1.70 | 64 | 2757 | 2.30 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.89 | 101 | 7059 | 2.38 | ug/L | 96 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 4764 | 2.97 | ug/L # | 75 |
| 12) 1,1-Dichloroethene | 2.28 | 96 | 4196 | 2.85 | ug/L # | 1 |
| 13) Acetone | 2.32 | 43 | 5375 | 4.68 | ug/L | 92 |
| 14) Carbon disulfide | 2.48 | 76 | 11995 | 2.35 | ug/L | 96 |
| 15) Methyl Acetate | 2.62 | 43 | 5738 | 2.88 | ug/L | 97 |
| 16) Methylene chloride | 2.70 | 84 | 4919 | 2.49 | ug/L | 86 |
| 17) trans-1,2-Dichloroethene | 2.98 | 96 | 4189 | 2.40 | ug/L | 97 |
| 18) Methyl tert-butyl Ether | 3.00 | 73 | 12691 | 2.29 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.45 | 63 | 8129 | 2.42 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 4.23 | 96 | 4743 | 2.42 | ug/L | 87 |
| 22) 2-Butanone | 4.27 | 43 | 6570 | 4.59 | ug/L # | 54 |

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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.55 | 128 | 2450 | 2.32 | ug/L | | 94 |
| 25) Chloroform | 4.67 | 83 | 10329 | 2.93 | ug/L | | 100 |
| 27) 1,2-Dichloroethane | 5.41 | 62 | 7210 | 2.53 | ug/L | # | 92 |
| 29) Cyclohexane | 5.00 | 56 | 5473 | 2.09 | ug/L | | 96 |
| 30) 1,1,1-Trichloroethane | 4.92 | 97 | 7793 | 2.49 | ug/L | | 95 |
| 31) Carbon tetrachloride | 5.14 | 117 | 6671 | 2.36 | ug/L | | 99 |
| 33) Benzene | 5.39 | 78 | 16562 | 2.34 | ug/L | | 100 |
| 34) Trichloroethene | 6.19 | 95 | 4487 | 2.43 | ug/L | | 91 |
| 35) Methylcyclohexane | 6.42 | 83 | 5915 | 2.14 | ug/L | | 95 |
| 37) 1,2-Dichloropropane | 6.44 | 63 | 5218 | 2.64 | ug/L | # | 87 |
| 38) Bromodichloromethane | 6.76 | 83 | 6461 | 2.47 | ug/L | | 88 |
| 39) cis-1,3-Dichloropropene | 7.27 | 75 | 6990 | 2.38 | ug/L | | 97 |
| 40) 4-Methyl-2-pentanone | 7.46 | 43 | 10796 | 4.40 | ug/L | | 97 |
| 42) Toluene | 7.64 | 91 | 16928 | 2.25 | ug/L | | 87 |
| 44) trans-1,3-Dichloropropene | 7.89 | 75 | 6185m | 2.19 | ug/L | | |
| 45) 1,1,2-Trichloroethane | 8.07 | 97 | 4524 | 2.41 | ug/L | | 94 |
| 46) Tetrachloroethene | 8.23 | 164 | 3688 | 2.32 | ug/L | | 92 |
| 48) 2-Hexanone | 8.36 | 43 | 8835 | 4.60 | ug/L | # | 93 |
| 49) Dibromochloromethane | 8.48 | 129 | 5141 | 2.28 | ug/L | | 96 |
| 50) 1,2-Dibromoethane | 8.59 | 107 | 4748 | 2.44 | ug/L | | 91 |
| 51) Chlorobenzene | 9.12 | 112 | 12350 | 2.40 | ug/L | | 93 |
| 52) Ethylbenzene | 9.25 | 91 | 15993 | 1.95 | ug/L | | 99 |
| 53) m,p-Xylene | 9.38 | 106 | 6366 | 2.02 | ug/L | | 83 |
| 54) o-xylene | 9.78 | 106 | 5815 | 1.85 | ug/L | | 99 |
| 55) Styrene | 9.80 | 104 | 9402 | 1.79 | ug/L | | 89 |
| 56) Isopropylbenzene | 10.17 | 105 | 14707 | 1.82 | ug/L | | 96 |
| 58) 1,1,2,2-Tetrachloroethane | 10.46 | 83 | 8393 | 2.68 | ug/L | | 96 |
| 59) 1,2,3-Trichloropropane | 10.49 | 75 | 5897 | 2.42 | ug/L | | 94 |
| 61) Bromoform | 9.96 | 173 | 3638 | 2.53 | ug/L | # | 66 |
| 62) 1,3-Dichlorobenzene | 11.42 | 146 | 7335 | 2.22 | ug/L | | 99 |
| 63) 1,4-Dichlorobenzene | 11.51 | 146 | 8404 | 2.47 | ug/L | | 99 |
| 65) 1,2-Dichlorobenzene | 11.88 | 146 | 9012 | 2.56 | ug/L | | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.66 | 75 | 1552 | 2.78 | ug/L | | 88 |
| 67) 1,3,5-Trichlorobenzene | 12.89 | 180 | 5099 | 2.09 | ug/L | # | 94 |
| 68) 1,2,4-trichlorobenzene | 13.51 | 180 | 2838m | 1.54 | ug/L | | |
| 69) Naphthalene | 13.75 | 128 | 7914m | 1.51 | ug/L | | |
| 70) 1,2,3-Trichlorobenzene | 13.99 | 180 | 3303 | 1.67 | ug/L | | 98 |

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

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