Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051419\
Data File : VU032012.D
Acq On : 14 May 2019 22:09
Operator : JC/SP
Sample : K2738-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DB8A1

Quant Time: May 15 06:30:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 1081934 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.08 | 117 | 1053744 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 477415 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 387728 | 40.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 81.68% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 328612 | 42.75 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 85.50% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 562457 | 33.05 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 66.10% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 775463 | 116.64 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 116.64% | | | |
| 24) Chloroform-d | 4.64 | 84 | 696328 | 43.82 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 87.64% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 457180 | 45.68 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 91.36% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 1473453 | 48.30 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 96.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 497033 | 49.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 98.76% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 1281771 | 46.90 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 93.80% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 201269 | 45.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 90.66% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 533330 | 130.66 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 130.66%# | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 706429 | 47.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 94.84% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 495388 | 49.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.62% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.40 | 62 | 159512 | 13.688 | ug/L # | 78 |
| 13) Acetone | 2.32 | 43 | 887791 | 129.894 | ug/L | 99 |
| 17) trans-1,2-Dichloroethene | 2.98 | 96 | 222410 | 26.756 | ug/L | 96 |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 288273 | 31.353 | ug/L | 99 |
| 22) 2-Butanone | 4.27 | 43 | 125070 | 15.865 | ug/L | 96 |
| 29) Cyclohexane | 4.99 | 56 | 117161 | 9.071 | ug/L | 98 |
| 34) Trichloroethene | 6.18 | 95 | 227973 | 26.670 | ug/L | 99 |
| 35) Methylcyclohexane | 6.41 | 83 | 128388 | 9.795 | ug/L | 93 |
| 46) Tetrachloroethene | 8.23 | 164 | 42418 | 7.029 | ug/L | 97 |
| 52) Ethylbenzene | 9.25 | 91 | 23978 | 0.633 | ug/L | 93 |
| 53) m,p-Xylene | 9.37 | 106 | 15763 | 1.140 | ug/L | 97 |
| 56) Isopropylbenzene | 10.16 | 105 | 172506 | 4.930 | ug/L | 100 |

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

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