Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102419\
Data File : VU035453.D
Acq On : 24 Oct 2019 11:50
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00516

Quant Time: Oct 25 07:04:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 17:45:27 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.29 | 114 | 236090 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.45 | 117 | 235578 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152 | 104808 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.62 | 65 | 75449 | 5.24 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 104.80% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 71910 | 5.46 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 109.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.60 | 63 | 147180 | 5.53 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 110.60% | | | |
| 20) 2-Butanone-d5 | 4.70 | 46 | 217250 | 52.51 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 105.02% | | | |
| 24) Chloroform-d | 5.11 | 84 | 151238 | 5.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 115.00% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.75 | 65 | 77978 | 5.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 107.00% | | | |
| 32) Benzene-d6 | 5.77 | 84 | 273513 | 5.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 101.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.73 | 67 | 91681 | 5.36 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 107.20% | | | |
| 41) Toluene-d8 | 7.93 | 98 | 247997 | 4.81 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.20% | | | |
| 43) trans-1,3-Dichloropropene- | 8.21 | 79 | 34932 | 4.21 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 84.20% | | | |
| 46) 2-Hexanone-d5 | 8.68 | 63 | 155349 | 42.43 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 84.86% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79 | 84 | 82169 | 5.39 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 107.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.22 | 152 | 86501 | 4.53 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 90.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 108641 | 5.407 | ug/L | 99 |
| 3) Chloromethane | 1.54 | 50 | 112361 | 5.637 | ug/L | 98 |
| 5) Vinyl chloride | 1.62 | 62 | 116763 | 5.704 | ug/L | 98 |
| 6) Bromomethane | 1.87 | 94 | 72810 | 6.024 | ug/L | 95 |
| 8) Chloroethane | 1.95 | 64 | 72724 | 5.510 | ug/L | 99 |
| 9) Trichlorofluoromethane | 2.16 | 101 | 149285 | 5.462 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 85709 | 5.443 | ug/L | 94 |
| 12) 1,1-Dichloroethene | 2.61 | 96 | 77446 | 5.106 | ug/L | 90 |
| 13) Acetone | 2.67 | 43 | 163496 | 56.816 | ug/L | 97 |
| 14) Carbon disulfide | 2.82 | 76 | 244728 | 5.103 | ug/L | 99 |
| 15) Methyl Acetate | 3.00 | 43 | 36381 | 5.074 | ug/L | 98 |
| 16) Methylene chloride | 3.08 | 84 | 102025 | 5.591 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 3.43 | 73 | 193777 | 4.747 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 83853 | 5.123 | ug/L | 95 |
| 19) 1,1-Dichloroethane | 3.92 | 63 | 171090 | 5.780 | ug/L | 99 |
| 21) 2-Butanone | 4.78 | 43 | 233604 | 49.807 | ug/L | 96 |
| 22) cis-1,2-Dichloroethene | 4.72 | 96 | 92010 | 5.086 | ug/L | 95 |

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Data File : VU035453.D
Acq On : 24 Oct 2019 11:50
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00516

Quant Time: Oct 25 07:04:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 17:45:27 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 5.02 | 128 | 41267 | 5.299 | ug/L | 90 |
| 25) Chloroform | 5.14 | 83 | 177619 | 5.469 | ug/L | 98 |
| 27) 1,2-Dichloroethane | 5.84 | 62 | 108197 | 5.432 | ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 5.36 | 97 | 142929 | 5.179 | ug/L | 98 |
| 30) Cyclohexane | 5.43 | 56 | 130327 | 4.410 | ug/L | 98 |
| 31) Carbon tetrachloride | 5.56 | 117 | 125943 | 5.069 | ug/L | 98 |
| 33) Benzene | 5.82 | 78 | 365208 | 5.269 | ug/L | 100 |
| 34) Trichloroethene | 6.58 | 95 | 90967 | 4.881 | ug/L | 92 |
| 35) Methylcyclohexane | 6.80 | 83 | 133375 | 4.282 | ug/L | 96 |
| 37) 1,2-Dichloropropane | 6.83 | 63 | 96743 | 5.498 | ug/L | 100 |
| 38) Bromodichloromethane | 7.14 | 83 | 123998 | 5.231 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 7.65 | 75 | 128935 | 4.378 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.84 | 43 | 565043 | 47.568 | ug/L | 97 |
| 42) Toluene | 8.00 | 91 | 388666 | 5.080 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 8.25 | 75 | 108498 | 4.508 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 8.44 | 97 | 66807 | 5.114 | ug/L | 96 |
| 47) Tetrachloroethene | 8.58 | 164 | 72544 | 4.673 | ug/L | 99 |
| 48) 2-Hexanone | 8.73 | 43 | 391123 | 46.950 | ug/L | 97 |
| 49) Dibromochloromethane | 8.84 | 129 | 81596 | 4.927 | ug/L | 100 |
| 50) 1,2-Dibromoethane | 8.96 | 107 | 64095 | 4.908 | ug/L | 100 |
| 51) Chlorobenzene | 9.48 | 112 | 241125 | 4.881 | ug/L | 100 |
| 52) Ethylbenzene | 9.60 | 91 | 403073 | 4.633 | ug/L | 98 |
| 53) m,p-Xylene | 9.72 | 106 | 147454 | 4.488 | ug/L | 98 |
| 54) o-Xylene | 10.13 | 106 | 143723 | 4.482 | ug/L | 96 |
| 55) Styrene | 10.14 | 104 | 245542 | 4.703 | ug/L | 99 |
| 56) Isopropylbenzene | 10.51 | 105 | 379393 | 4.399 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.81 | 83 | 90149 | 5.362 | ug/L | 97 |
| 59) 1,2,3-Trichloropropane | 10.85 | 75 | 63095 | 5.147 | ug/L | 99 |
| 61) Bromoform | 10.32 | 173 | 45597 | 4.697 | ug/L | 98 |
| 62) 1,3-Dichlorobenzene | 11.77 | 146 | 172574 | 4.825 | ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.86 | 146 | 166328 | 4.730 | ug/L | 100 |
| 65) 1,2-Dichlorobenzene | 12.24 | 146 | 162380 | 4.833 | ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 13.02 | 75 | 10683 | 4.501 | ug/L | 96 |
| 67) 1,3,5-Trichlorobenzene | 13.24 | 180 | 91770 | 4.141 | ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.86 | 180 | 53426 | 3.621 | ug/L | 99 |
| 69) Naphthalene | 14.11 | 128 | 63778 | 3.149 | ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 14.35 | 180 | 55349 | 4.012 | ug/L | 99 |

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

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102419\
Data File : VU035453.D
Acq On : 24 Oct 2019 11:50
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00516

Quant Time: Oct 25 07:04:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
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