Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028279.D
Acq On : 20 Nov 2018 15:35
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00524

Quant Time: Nov 21 06:37:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 06:33:43 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.89 | 114 | 131703 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 129279 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 60187 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 40316 | 4.07 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 81.40% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 36972 | 4.32 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 86.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.28 | 63 | 81810 | 4.15 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 83.00% | | | |
| 20) 2-Butanone-d5 | 4.20 | 46 | 162673 | 49.05 | ug/L | -0.01 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 98.10% | | | |
| 24) Chloroform-d | 4.65 | 84 | 86402 | 4.67 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 44557 | 4.36 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 87.20% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 160659 | 4.32 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 86.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 59403 | 4.40 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 88.00% | | | |
| 41) Toluene-d8 | 7.57 | 98 | 143231 | 4.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 86.00% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 18258 | 4.23 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 84.60% | | | |
| 46) 2-Hexanone-d5 | 8.31 | 63 | 117971 | 45.57 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 91.14% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 48022 | 4.92 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 98.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 51420 | 4.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 91.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.21 | 85 | 49092 | 4.44 | ug/L | 98 |
| 3) Chloromethane | 1.33 | 50 | 70275 | 4.99 | ug/L | 100 |
| 5) Vinyl chloride | 1.40 | 62 | 64865 | 4.85 | ug/L | 94 |
| 6) Bromomethane | 1.63 | 94 | 28069 | 4.65 | ug/L | 99 |
| 8) Chloroethane | 1.70 | 64 | 38438 | 4.87 | ug/L | 93 |
| 9) Trichlorofluoromethane | 1.89 | 101 | 74499 | 4.79 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 41309 | 4.82 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.29 | 96 | 39543 | 4.88 | ug/L | 91 |
| 13) Acetone | 2.32 | 43 | 94922 | 41.62 | ug/L | 95 |
| 14) Carbon disulfide | 2.48 | 76 | 127633 | 5.01 | ug/L | 98 |
| 15) Methyl Acetate | 2.62 | 43 | 25460 | 4.21 | ug/L | 99 |
| 16) Methylene chloride | 2.70 | 84 | 48208 | 4.72 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 3.01 | 73 | 114745 | 4.71 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 2.98 | 96 | 43338 | 5.02 | ug/L | 92 |
| 19) 1,1-Dichloroethane | 3.45 | 63 | 97123 | 4.85 | ug/L | 99 |
| 21) 2-Butanone | 4.28 | 43 | 156023 | 42.96 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 4.22 | 96 | 50522 | 4.95 | ug/L | 96 |

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Data File : VU028279.D
Acq On : 20 Nov 2018 15:35
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00524

Quant Time: Nov 21 06:37:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 06:33:43 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.55 | 128 | 19086 | 4.78 | ug/L | | 96 |
| 25) Chloroform | 4.67 | 83 | 91264 | 4.21 | ug/L | | 99 |
| 27) 1,2-Dichloroethane | 5.41 | 62 | 57311 | 4.63 | ug/L | | 100 |
| 29) 1,1,1-Trichloroethane | 4.92 | 97 | 66425 | 4.56 | ug/L | | 95 |
| 30) Cyclohexane | 4.99 | 56 | 82992 | 4.35 | ug/L | | 96 |
| 31) Carbon tetrachloride | 5.13 | 117 | 53897 | 4.51 | ug/L | | 100 |
| 33) Benzene | 5.39 | 78 | 196874 | 4.62 | ug/L | | 100 |
| 34) Trichloroethene | 6.19 | 95 | 47910 | 4.59 | ug/L | | 98 |
| 35) Methylcyclohexane | 6.41 | 83 | 73339 | 4.46 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 6.44 | 63 | 56265 | 4.62 | ug/L | # | 98 |
| 38) Bromodichloromethane | 6.76 | 83 | 59619 | 4.49 | ug/L | | 99 |
| 39) cis-1,3-Dichloropropene | 7.27 | 75 | 66260 | 4.30 | ug/L | | 94 |
| 40) 4-Methyl-2-pentanone | 7.47 | 43 | 375307 | 43.13 | ug/L | | 99 |
| 42) Toluene | 7.64 | 91 | 204751 | 4.74 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 7.88 | 75 | 51141 | 4.41 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 8.07 | 97 | 34790 | 4.73 | ug/L | | 94 |
| 47) Tetrachloroethene | 8.23 | 164 | 33669 | 4.64 | ug/L | | 98 |
| 48) 2-Hexanone | 8.37 | 43 | 264480 | 42.63 | ug/L | | 99 |
| 49) Dibromochloromethane | 8.48 | 129 | 34690 | 4.66 | ug/L | | 95 |
| 50) 1,2-Dibromoethane | 8.59 | 107 | 29798 | 4.48 | ug/L | | 96 |
| 51) Chlorobenzene | 9.12 | 112 | 120764 | 4.85 | ug/L | | 97 |
| 52) Ethylbenzene | 9.25 | 91 | 217150 | 4.67 | ug/L | | 96 |
| 53) m,p-xylene | 9.38 | 106 | 78350 | 4.85 | ug/L | | 96 |
| 54) o-xylene | 9.78 | 106 | 76692 | 4.76 | ug/L | | 95 |
| 55) Styrene | 9.79 | 104 | 127741 | 4.72 | ug/L | | 97 |
| 56) Isopropylbenzene | 10.17 | 105 | 201989 | 4.68 | ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.46 | 83 | 46089 | 4.88 | ug/L | | 97 |
| 59) 1,2,3-Trichloropropane | 10.49 | 75 | 30965 | 4.40 | ug/L | | 99 |
| 61) Bromoform | 9.96 | 173 | 18759 | 4.92 | ug/L | | 98 |
| 62) 1,3-Dichlorobenzene | 11.42 | 146 | 87174 | 4.76 | ug/L | | 97 |
| 63) 1,4-Dichlorobenzene | 11.51 | 146 | 89517 | 4.79 | ug/L | | 99 |
| 65) 1,2-Dichlorobenzene | 11.88 | 146 | 83884 | 4.67 | ug/L | | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.66 | 75 | 5640 | 4.03 | ug/L | # | 83 |
| 67) 1,3,5-Trichlorobenzene | 12.89 | 180 | 68545 | 4.89 | ug/L | | 96 |
| 68) 1,2,4-trichlorobenzene | 13.50 | 180 | 55704 | 4.76 | ug/L | | 99 |
| 69) Naphthalene | 13.74 | 128 | 93410 | 4.49 | ug/L | | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.99 | 180 | 51978 | 4.69 | ug/L | | 100 |

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

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Acq On : 20 Nov 2018 15:35
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Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00524

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