Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061919\
Data File : VU032843.D
Acq On : 19 Jun 2019 08:56
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00528

Quant Time: Jun 20 05:14:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 17 01:26:50 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 101930 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.08 | 117 | 99420 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 54725 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 29139 | 4.40 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 88.00% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 24544 | 4.33 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 86.60% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 63664 | 4.73 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 94.60% | | | |
| 20) 2-Butanone-d5 | 4.18 | 46 | 104984 | 56.76 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 113.52% | | | |
| 24) Chloroform-d | 4.64 | 84 | 64604 | 5.39 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 107.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.30 | 65 | 36270 | 5.85 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 117.00% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 117716 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 38198 | 5.02 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 100.40% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 109664 | 4.80 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.00% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 16804 | 5.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 103.20% | | | |
| 46) 2-Hexanone-d5 | 8.31 | 63 | 77804 | 47.70 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 95.40% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 34731 | 5.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 108.20% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 46775 | 4.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 95.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 48144 | 5.505 | ug/L | 99 |
| 3) Chloromethane | 1.32 | 50 | 45634 | 5.031 | ug/L | 99 |
| 5) Vinyl chloride | 1.40 | 62 | 46066 | 5.167 | ug/L | 100 |
| 6) Bromomethane | 1.62 | 94 | 27614 | 5.078 | ug/L | 100 |
| 8) Chloroethane | 1.69 | 64 | 26678 | 4.684 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.88 | 101 | 66872 | 5.241 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.28 | 101 | 34745 | 5.122 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.28 | 96 | 31831 | 4.915 | ug/L | 100 |
| 13) Acetone | 2.32 | 43 | 77402 | 53.920 | ug/L | 93 |
| 14) Carbon disulfide | 2.47 | 76 | 99361 | 4.791 | ug/L | 100 |
| 15) Methyl Acetate | 2.61 | 43 | 19270 | 4.892 | ug/L | 96 |
| 16) Methylene chloride | 2.69 | 84 | 34978 | 4.870 | ug/L | 94 |
| 17) Methyl tert-butyl Ether | 3.00 | 73 | 93743 | 4.949 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 2.97 | 96 | 34750 | 4.973 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.43 | 63 | 70672 | 5.650 | ug/L | 98 |
| 21) 2-Butanone | 4.27 | 43 | 115404 | 55.275 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.22 | 96 | 38964 | 4.927 | ug/L | 91 |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061919\
Data File : VU032843.D
Acq On : 19 Jun 2019 08:56
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00528

Quant Time: Jun 20 05:14:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 17 01:26:50 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.54 | 128 | 18230 | 5.356 ug/L | 95 |
| 25) Chloroform | 4.67 | 83 | 71007 | 5.557 ug/L | 93 |
| 27) 1,2-Dichloroethane | 5.40 | 62 | 49712 | 5.920 ug/L | 97 |
| 29) 1,1,1-Trichloroethane | 4.90 | 97 | 61849 | 5.105 ug/L | 96 |
| 30) Cyclohexane | 4.98 | 56 | 59338 | 4.634 ug/L | 97 |
| 31) Carbon tetrachloride | 5.12 | 117 | 55450 | 5.034 ug/L | 100 |
| 33) Benzene | 5.38 | 78 | 148042 | 5.050 ug/L | 100 |
| 34) Trichloroethene | 6.18 | 95 | 40259 | 4.775 ug/L | 98 |
| 35) Methylcyclohexane | 6.41 | 83 | 62322 | 4.596 ug/L | 95 |
| 37) 1,2-Dichloropropane | 6.43 | 63 | 39466 | 5.204 ug/L | 100 |
| 38) Bromodichloromethane | 6.75 | 83 | 50566 | 5.187 ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 7.26 | 75 | 58876 | 5.056 ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.46 | 43 | 279915 | 51.864 ug/L | 97 |
| 42) Toluene | 7.63 | 91 | 160103 | 4.901 ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.87 | 75 | 49260 | 5.299 ug/L | 97 |
| 45) 1,1,2-Trichloroethane | 8.06 | 97 | 28799 | 5.219 ug/L | 98 |
| 47) Tetrachloroethene | 8.22 | 164 | 33045 | 4.980 ug/L | 98 |
| 48) 2-Hexanone | 8.36 | 43 | 199976 | 51.849 ug/L | 98 |
| 49) Dibromochloromethane | 8.47 | 129 | 35064 | 4.968 ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.58 | 107 | 27924 | 5.078 ug/L | 100 |
| 51) Chlorobenzene | 9.11 | 112 | 102588 | 5.009 ug/L | 99 |
| 52) Ethylbenzene | 9.24 | 91 | 175567 | 4.876 ug/L | 100 |
| 53) m,p-Xylene | 9.37 | 106 | 65110 | 4.770 ug/L | 94 |
| 54) o-Xylene | 9.77 | 106 | 63838 | 4.686 ug/L | 93 |
| 55) Styrene | 9.79 | 104 | 109311 | 4.878 ug/L | 96 |
| 56) Isopropylbenzene | 10.16 | 105 | 175513 | 4.884 ug/L | 97 |
| 58) 1,1,2,2-Tetrachloroethane | 10.45 | 83 | 37537 | 5.319 ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.49 | 75 | 27159 | 5.453 ug/L | 99 |
| 61) Bromoform | 9.95 | 173 | 19787 | 4.500 ug/L | 96 |
| 62) 1,3-Dichlorobenzene | 11.41 | 146 | 86318 | 4.832 ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.50 | 146 | 87893 | 4.840 ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 11.87 | 146 | 84286 | 4.883 ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.65 | 75 | 6062 | 5.002 ug/L | 92 |
| 67) 1,3,5-Trichlorobenzene | 12.88 | 180 | 71676 | 5.006 ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.50 | 180 | 60080 | 5.204 ug/L | 99 |
| 69) Naphthalene | 13.74 | 128 | 95412 | 4.715 ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.98 | 180 | 54618 | 4.751 ug/L | 98 |

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

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Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU061919\
Data File : VU032843.D
Acq On : 19 Jun 2019 08:56
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00528

Quant Time: Jun 20 05:14:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
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