Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091019\
Data File : VU034441.D
Acq On : 10 Sep 2019 11:19
Operator : JC/SP
Sample : VU0910WBS01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VU0910WBS01

**Manual Integrations APPROVED**
MMDadoda
9/11/2019 1:42:34 PM

Quant Time: Sep 11 06:30:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.96 | 168 | 253612 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 5.86 | 114 | 363607 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.07 | 117 | 358465 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 11.46 | 152 | 239622 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.29 | 65 | 195773 | 51.02 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.04% | | | |
| 35) Dibromofluoromethane | 4.86 | 113 | 173356 | 51.24 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.48% | | | |
| 50) Toluene-d8 | 7.54 | 98 | 656951 | 51.68 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.36% | | | |
| 62) 4-Bromofluorobenzene | 10.29 | 95 | 242014 | 49.31 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.62% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 51581 | 19.447 | ug/l | 100 |
| 3) Chloromethane | 1.32 | 50 | 60592 | 21.095 | ug/l | 100 |
| 4) Vinyl Chloride | 1.40 | 62 | 63811 | 19.306 | ug/l | 97 |
| 5) Bromomethane | 1.62 | 94 | 38826 | 20.648 | ug/l | 96 |
| 6) Chloroethane | 1.69 | 64 | 42611 | 21.612 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.88 | 101 | 92874 | 20.957 | ug/l | 100 |
| 8) Diethyl Ether | 2.09 | 74 | 40756 | 20.907 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101 | 61016 | 20.787 | ug/l | 99 |
| 10) Methyl Iodide | 2.40 | 142 | 36876 | 16.522 | ug/l | 96 |
| 11) Tert butyl alcohol | 2.81 | 59 | 91990 | 113.475 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 56163 | 20.354 | ug/l | 94 |
| 13) Acrolein | 2.18 | 56 | 45511 | 66.795 | ug/l | 100 |
| 14) Allyl chloride | 2.58 | 41 | 102844m | 19.496 | ug/l | |
| 15) Acrylonitrile | 2.92 | 53 | 210950 | 104.495 | ug/l | 98 |
| 16) Acetone | 2.31 | 43 | 184567 | 92.946 | ug/l | 100 |
| 17) Carbon Disulfide | 2.47 | 76 | 108808 | 17.545 | ug/l | 100 |
| 18) Methyl Acetate | 2.60 | 43 | 98316 | 20.347 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 2.98 | 73 | 214002 | 21.278 | ug/l | 99 |
| 20) Methylene Chloride | 2.69 | 84 | 73989 | 22.529 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 2.97 | 96 | 59029 | 20.300 | ug/l | 98 |
| 22) Diisopropyl ether | 3.55 | 45 | 223588 | 21.734 | ug/l | 94 |
| 23) Vinyl Acetate | 3.50 | 43 | 888160 | 105.988 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.43 | 63 | 129744 | 21.118 | ug/l | 99 |
| 25) 2-Butanone | 4.24 | 43 | 274093 | 103.404 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.21 | 77 | 101888 | 20.620 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.21 | 96 | 74092 | 20.980 | ug/l | 99 |
| 28) Bromochloromethane | 4.52 | 49 | 60951 | 21.569 | ug/l | 97 |
| 29) Tetrahydrofuran | 4.61 | 42 | 168972 | 104.758 | ug/l | 99 |
| 30) Chloroform | 4.65 | 83 | 133254 | 21.338 | ug/l | 97 |
| 31) Cyclohexane | 4.97 | 56 | 88498 | 19.690 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 4.89 | 97 | 106882 | 21.407 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.12 | 75 | 79512 | 20.164 | ug/l | 99 |
| 37) Ethyl Acetate | 4.36 | 43 | 99687 | 21.381 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.11 | 117 | 91444 | 21.718 | ug/l | 99 |

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Sample : VU0910WBS01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

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Quant Time: Sep 11 06:30:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 6.40 | 83 | 83081 | 19.709 | ug/l | | 98 |
| 40) Benzene | 5.37 | 78 | 271351 | 21.325 | ug/l | | 100 |
| 41) Methacrylonitrile | 4.52 | 41 | 54162 | 21.809 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 5.38 | 62 | 96180 | 21.771 | ug/l | | 100 |
| 43) Isopropyl Acetate | 5.53 | 43 | 151064 | 20.770 | ug/l | | 99 |
| 44) Trichloroethene | 6.17 | 130 | 73421 | 20.852 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 6.41 | 63 | 80636 | 21.677 | ug/l | | 97 |
| 46) Dibromomethane | 6.54 | 93 | 50723 | 21.723 | ug/l | | 99 |
| 47) Bromodichloromethane | 6.74 | 83 | 104888 | 21.823 | ug/l | | 99 |
| 48) Methyl methacrylate | 6.60 | 41 | 70031 | 20.273 | ug/l | | 98 |
| 49) 1,4-Dioxane | 6.59 | 88 | 30234 | 400.806 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 7.44 | 43 | 535898 | 106.446 | ug/l | | 100 |
| 52) Toluene | 7.62 | 92 | 171863 | 21.531 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 7.86 | 75 | 104179 | 20.910 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 7.25 | 75 | 118210 | 21.617 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 8.05 | 97 | 76901 | 21.217 | ug/l | | 95 |
| 56) Ethyl methacrylate | 8.00 | 69 | 103949 | 20.792 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 8.22 | 76 | 126596 | 21.450 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 7.11 | 63 | 166880 | 100.239 | ug/l | | 98 |
| 59) 2-Hexanone | 8.34 | 43 | 398404 | 105.930 | ug/l | | 98 |
| 60) Dibromochloromethane | 8.46 | 129 | 86711 | 22.305 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 8.57 | 107 | 76733 | 21.630 | ug/l | | 99 |
| 64) Tetrachloroethene | 8.21 | 164 | 65701 | 21.127 | ug/l | | 96 |
| 65) Chlorobenzene | 9.10 | 112 | 196860 | 21.646 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 9.19 | 131 | 75802 | 21.840 | ug/l | | 98 |
| 67) Ethyl Benzene | 9.23 | 91 | 314676 | 21.162 | ug/l | | 99 |
| 68) m/p-Xylenes | 9.35 | 106 | 247237 | 44.154 | ug/l | | 99 |
| 69) o-Xylene | 9.76 | 106 | 117929 | 21.536 | ug/l | | 97 |
| 70) Styrene | 9.77 | 104 | 210154 | 21.889 | ug/l | | 99 |
| 71) Bromoform | 9.94 | 173 | 66271 | 22.032 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.14 | 105 | 330508 | 21.195 | ug/l | | 100 |
| 74) N-amyl acetate | 9.99 | 43 | 129832 | 20.684 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 10.43 | 83 | 134966 | 21.382 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 10.47 | 75 | 111644m | 21.345 | ug/l | | |
| 77) Bromobenzene | 10.43 | 156 | 93681 | 21.485 | ug/l | | 97 |
| 78) n-propylbenzene | 10.57 | 91 | 379974 | 21.098 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 10.64 | 91 | 233895 | 21.285 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 10.75 | 105 | 288069 | 22.088 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-buten | 10.49 | 75 | 31188m | 20.052 | ug/l | | |
| 82) 4-Chlorotoluene | 10.75 | 91 | 267317 | 21.139 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.08 | 119 | 278945 | 21.380 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.13 | 105 | 289162 | 22.026 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.30 | 105 | 333081 | 21.625 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.45 | 119 | 306272 | 21.543 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.40 | 146 | 166913 | 20.978 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 11.49 | 146 | 169723 | 20.451 | ug/l | | 98 |
| 89) n-Butylbenzene | 11.87 | 91 | 256336 | 20.748 | ug/l | | 98 |
| 90) Hexachloroethane | 12.12 | 117 | 47931 | 21.073 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 11.85 | 146 | 164038 | 20.978 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropropan | 12.64 | 75 | 24921 | 21.485 | ug/l | | 99 |

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations APPROVED
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Quant Time: Sep 11 06:30:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 13.48 | 180 | 102140 | 20.219 ug/l | 99 |
| 94) Hexachlorobutadiene | 13.67 | 225 | 52749 | 19.285 ug/l | 99 |
| 95) Naphthalene | 13.72 | 128 | 259683 | 18.937 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.97 | 180 | 102987 | 20.448 ug/l | 97 |

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

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Misc : 5.0mL/MSVOA_U/WATER
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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
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**Instrument :**
MSVOA_U
**ClientSampleId :**
VU0910WBS01

**Manual Integrations APPROVED**
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