Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062418\
Data File : VW003531.D
Acq On : 25 Jun 2018 02:17
Operator : SY/AP
Sample : VW0624SBSD02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 25 05:51:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration

**Instrument :** MSVOA_W
**ClientSampleId :** VW0624SBSD02

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 222951 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.85 | 114 | 358650 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.63 | 117 | 332534 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152 | 176901 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.31 | 65 | 125001 | 51.76 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.52% | | | |
| 35) Dibromofluoromethane | 7.89 | 113 | 108695 | 48.77 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.54% | | | |
| 50) Toluene-d8 | 10.33 | 98 | 430108 | 48.67 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.34% | | | |
| 62) 4-Bromofluorobenzene | 12.62 | 95 | 154518 | 49.41 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.82% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.00 | 85 | 16504 | 24.49 | ug/l | 83 |
| 3) Chloromethane | 2.21 | 50 | 36819 | 21.62 | ug/l | 99 |
| 4) Vinyl Chloride | 2.36 | 62 | 50293 | 20.26 | ug/l | 98 |
| 5) Bromomethane | 2.78 | 94 | 31777 | 19.26 | ug/l | 90 |
| 6) Chloroethane | 2.92 | 64 | 33445 | 19.35 | ug/l | 96 |
| 7) Trichlorofluoromethane | 3.25 | 101 | 28433 | 19.12 | ug/l | 98 |
| 8) Diethyl Ether | 3.67 | 74 | 25877 | 23.68 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 43375 | 21.00 | ug/l | 98 |
| 10) Methyl Iodide | 4.26 | 142 | 67106 | 21.48 | ug/l | 99 |
| 11) Tert butyl alcohol | 5.25 | 59 | 17112 | 132.13 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 4.03 | 96 | 42689 | 21.15 | ug/l | 99 |
| 13) Acrolein | 3.89 | 56 | 14338 | 77.43 | ug/l | 95 |
| 14) Allyl chloride | 4.66 | 41 | 75608 | 21.63 | ug/l | 99 |
| 15) Acrylonitrile | 5.38 | 53 | 53146 | 118.23 | ug/l | 98 |
| 16) Acetone | 4.15 | 43 | 50790 | 100.28 | ug/l | 99 |
| 17) Carbon Disulfide | 4.37 | 76 | 122146 | 20.47 | ug/l | 99 |
| 18) Methyl Acetate | 4.68 | 43 | 26905 | 22.39 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.43 | 73 | 85718 | 22.68 | ug/l | 98 |
| 20) Methylene Chloride | 4.91 | 84 | 51437 | 21.84 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.42 | 96 | 46508 | 21.17 | ug/l | 99 |
| 22) Diisopropyl ether | 6.32 | 45 | 159128 | 22.62 | ug/l | 98 |
| 23) Vinyl Acetate | 6.26 | 43 | 449854 | 110.95 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 6.21 | 63 | 92879 | 22.24 | ug/l | 98 |
| 25) 2-Butanone | 7.19 | 43 | 72608 | 115.29 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 7.17 | 77 | 51203 | 18.37 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 7.17 | 96 | 52598 | 21.80 | ug/l | 97 |
| 28) Bromochloromethane | 7.51 | 49 | 35750 | 20.57 | ug/l | 96 |
| 29) Tetrahydrofuran | 7.54 | 42 | 46745 | 121.44 | ug/l | 98 |
| 30) Chloroform | 7.68 | 83 | 94445 | 22.19 | ug/l | 98 |
| 31) Cyclohexane | 7.95 | 56 | 79315 | 20.33 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 7.87 | 97 | 73806 | 21.01 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 8.09 | 75 | 71829 | 20.74 | ug/l | 99 |
| 37) Ethyl Acetate | 7.26 | 43 | 32869 | 22.91 | ug/l | 100 |
| 38) Carbon Tetrachloride | 8.07 | 117 | 68646 | 20.20 | ug/l | 100 |

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**Instrument :**
MSVOA_W
**ClientSampleId :**
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Quant Time: Jun 25 05:51:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 9.34 | 83 | 79053 | 19.73 | ug/l | | 97 |
| 40) Benzene | 8.32 | 78 | 206058 | 21.58 | ug/l | | 98 |
| 41) Methacrylonitrile | 7.49 | 41 | 19919 | 22.62 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 8.40 | 62 | 66930 | 22.38 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.43 | 43 | 61645 | 21.64 | ug/l | | 97 |
| 44) Trichloroethene | 9.09 | 130 | 53719 | 21.23 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 9.37 | 63 | 53068 | 21.83 | ug/l | | 99 |
| 46) Dibromomethane | 9.46 | 93 | 26680 | 21.44 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.65 | 83 | 68684 | 21.53 | ug/l | | 99 |
| 48) Methyl methacrylate | 9.44 | 41 | 30093 | 22.47 | ug/l | | 98 |
| 49) 1,4-Dioxane | 9.49 | 88 | 9101 | 484.32 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 10.21 | 43 | 167451 | 115.34 | ug/l | | 100 |
| 52) Toluene | 10.39 | 92 | 131055 | 21.41 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.61 | 75 | 66718 | 20.47 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 10.08 | 75 | 75281 | 20.30 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 10.79 | 97 | 37514 | 21.39 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.65 | 69 | 46267 | 21.73 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 10.94 | 76 | 66652 | 22.04 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.93 | 63 | 105696 | 110.71 | ug/l | | 99 |
| 59) 2-Hexanone | 10.98 | 43 | 112810 | 111.23 | ug/l | | 100 |
| 60) Dibromochloromethane | 11.13 | 129 | 44001 | 21.10 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.24 | 107 | 36450 | 21.97 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.87 | 164 | 50267 | 22.60 | ug/l | | 98 |
| 65) Chlorobenzene | 11.66 | 112 | 143237 | 20.68 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.74 | 131 | 49333 | 20.27 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.74 | 91 | 250060 | 20.37 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.85 | 106 | 194129 | 41.60 | ug/l | | 99 |
| 69) o-Xylene | 12.17 | 106 | 89145 | 20.61 | ug/l | | 97 |
| 70) Styrene | 12.19 | 104 | 151423 | 21.04 | ug/l | | 100 |
| 71) Bromoform | 12.35 | 173 | 26452 | 20.97 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.47 | 105 | 250908 | 20.39 | ug/l | | 99 |
| 74) N-amyl acetate | 12.28 | 43 | 60580 | 21.63 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.72 | 83 | 44936 | 21.59 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.77 | 75 | 32768m | 21.67 | ug/l | | |
| 77) Bromobenzene | 12.76 | 156 | 59693 | 20.83 | ug/l | | 98 |
| 78) n-propylbenzene | 12.81 | 91 | 311315 | 20.66 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.90 | 91 | 177546 | 20.85 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.95 | 105 | 215638 | 20.88 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75 | 12653 | 19.25 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 12.99 | 91 | 187242 | 20.73 | ug/l | | 100 |
| 83) tert-Butylbenzene | 13.21 | 119 | 179950 | 20.45 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105 | 222269 | 20.92 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.39 | 105 | 267721 | 20.46 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.51 | 119 | 232224 | 20.13 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.51 | 146 | 121062 | 20.57 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.59 | 146 | 120779 | 20.64 | ug/l | | 98 |
| 89) n-Butylbenzene | 13.84 | 91 | 224719 | 19.98 | ug/l | | 99 |
| 90) Hexachloroethane | 14.10 | 117 | 42214 | 20.22 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 13.88 | 146 | 109325 | 21.20 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75 | 8064 | 23.02 | ug/l | | 94 |

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Quant Title : SW846 8260
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**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0624SBSD02

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 15.15 | 180 | 75776 | 20.93 ug/l | 98 |
| 94) Hexachlorobutadiene | 15.25 | 225 | 43610 | 20.03 ug/l | 98 |
| 95) Naphthalene | 15.38 | 128 | 133088 | 21.67 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180 | 67187 | 21.09 ug/l | 99 |

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

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