Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
Data File : VF059731.D
Acq On : 1 Aug 2018 3:12
Operator : VA/AP
Sample : J4218-07RE
Misc : 6.91g/5mL/MSVOA F/SOIL
ALS Vial : 100 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** TP-15-DRE

Quant Time: Aug 01 07:37:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.05 | 168 | 82 | 50.00 | ug/l | 0.02 |
| 34) 1,4-Difluorobenzene | 5.80 | 114 | 81 | 50.00 | ug/l | 0.04 |
| 63) Chlorobenzene-d5 | 9.91 | 117 | 137 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.69 | 152 | 74 | 50.00 | ug/l | 0.06 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.01 | 65 | 100 | 67.86 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 135.72% | | | |
| 35) Dibromofluoromethane | 4.29 | 113 | 66 | 78.45 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 156.90% | | | |
| 50) Toluene-d8 | 7.70 | 98 | 71 | 36.19 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 72.38% | | | |
| 62) 4-Bromofluorobenzene | 11.57 | 95 | 80 | 73.66 | ug/l | 0.06 |
| Spiked Amount 50.000 | | | Recovery = 147.32% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.03 | 85 | 73 | 82.850 | ug/l # | 44 |
| 3) Chloromethane | 1.09 | 50 | 156 | 357.920 | ug/l # | 38 |
| 4) Vinyl Chloride | 1.21 | 62 | 88 | 182.784 | ug/l # | 47 |
| 6) Chloroethane | 1.37 | 64 | 93 | 324.493 | ug/l # | 35 |
| 8) Diethyl Ether | 1.78 | 74 | 64 | 244.426 | ug/l # | 1 |
| 11) Tert butyl alcohol | 2.61 | 59 | 73 | 1234.275 | ug/l # | 74 |
| 12) 1,1-Dichloroethene | 1.88 | 96 | 74 | 116.532 | ug/l # | 1 |
| 13) Acrolein | 2.17 | 56 | 143 | 4315.364 | ug/l # | 4 |
| 14) Allyl chloride | 2.19 | 41 | 63 | 62.137 | ug/l # | 1 |
| 15) Acrylonitrile | 3.04 | 53 | 66 | 693.024 | ug/l # | 7 |
| 16) Acetone | 2.35 | 43 | 69 | 260.302 | ug/l # | 68 |
| 17) Carbon Disulfide | 2.01 | 76 | 104 | 83.812 | ug/l # | 71 |
| 18) Methyl Acetate | 2.50 | 43 | 81 | 213.056 | ug/l # | 64 |
| 19) Methyl tert-butyl Ether | 2.54 | 73 | 64 | 33.049 | ug/l # | 60 |
| 20) Methylene Chloride | 2.29 | 84 | 63 | 118.759 | ug/l # | 1 |
| 21) trans-1,2-Dichloroethene | 2.50 | 96 | 76 | 141.368 | ug/l # | 1 |
| 22) Diisopropyl ether | 2.89 | 45 | 67 | 31.249 | ug/l # | 33 |
| 23) Vinyl Acetate | 3.32 | 43 | 98 | 88.903 | ug/l # | 83 |
| 25) 2-Butanone | 4.48 | 43 | 105 | 354.940 | ug/l # | 74 |
| 26) 2,2-Dichloropropane | 3.68 | 77 | 183 | 172.336 | ug/l # | 66 |
| 27) cis-1,2-Dichloroethene | 3.75 | 96 | 74 | 92.769 | ug/l | 1 |
| 28) Bromochloromethane | 3.86 | 49 | 76 | 156.199 | ug/l # | 15 |
| 29) Tetrahydrofuran | 4.25 | 42 | 91 | 800.364 | ug/l # | 39 |
| 30) Chloroform | 4.05 | 83 | 63 | 29.967 | ug/l # | 54 |
| 31) Cyclohexane | 3.85 | 56 | 62 | 89.102 | ug/l # | 15 |
| 36) 1,1-Dichloropropene | 4.50 | 75 | 81 | 102.966 | ug/l # | 46 |
| 37) Ethyl Acetate | 4.33 | 43 | 87 | 232.115 | ug/l # | 19 |
| 39) Methylcyclohexane | 5.70 | 83 | 60 | 100.334 | ug/l # | 13 |
| 40) Benzene | 4.95 | 78 | 69 | 42.182 | ug/l # | 52 |
| 41) Methacrylonitrile | 4.93 | 41 | 63 | 324.376 | ug/l # | 24 |
| 43) Isopropyl Acetate | 7.18 | 43 | 77 | 158.979 | ug/l # | 46 |
| 45) 1,2-Dichloropropane | 6.45 | 63 | 242 | 560.203 | ug/l # | 43 |
| 46) Dibromomethane | 6.27 | 93 | 159 | 387.681 | ug/l # | 8 |
| 47) Bromodichloromethane | 6.60 | 83 | 511 | 457.528 | ug/l # | 1 |

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) Methyl methacrylate | 6.91 | 41 | 234 | 642.312 ug/l # | 48 |
| 49) 1,4-Dioxane | 7.13 | 88 | 68 | 11680.415 ug/l # | 21 |
| 51) 4-Methyl-2-Pentanone | 8.45 | 43 | 211 | 572.687 ug/l # | 42 |
| 53) t-1,3-Dichloropropene | 8.43 | 75 | 96 | 99.060 ug/l # | 41 |
| 54) cis-1,3-Dichloropropene | 7.36 | 75 | 63 | 67.115 ug/l # | 18 |
| 55) 1,1,2-Trichloroethane | 8.73 | 97 | 123 | 277.640 ug/l # | 14 |
| 56) Ethyl methacrylate | 8.85 | 69 | 88 | 190.470 ug/l # | 14 |
| 57) 1,3-Dichloropropane | 9.12 | 76 | 76 | 99.998 ug/l # | 41 |
| 58) 2-Chloroethyl Vinyl ether | 7.77 | 63 | 94 | 1762.168 ug/l | 100 |
| 59) 2-Hexanone | 9.65 | 43 | 593 | 2008.468 ug/l # | 30 |
| 60) Dibromochloromethane | 9.01 | 129 | 131 | 167.577 ug/l # | 12 |
| 66) 1,1,1,2-Tetrachloroethane | 10.19 | 131 | 63 | 49.239 ug/l # | 9 |
| 67) Ethyl Benzene | 10.14 | 91 | 60 | 12.654 ug/l # | 46 |
| 73) Isopropylbenzene | 11.25 | 105 | 83 | 17.094 ug/l # | 50 |
| 74) N-amyl acetate | 11.47 | 43 | 166 | 135.511 ug/l # | 48 |
| 75) 1,1,2,2-Tetrachloroethane | 11.67 | 83 | 74 | 80.963 ug/l # | 25 |
| 76) 1,2,3-Trichloropropane | 11.74 | 75 | 66 | 84.920 ug/l # | 39 |
| 78) n-propylbenzene | 11.62 | 91 | 79 | 12.072 ug/l # | 54 |
| 80) 1,3,5-Trimethylbenzene | 11.92 | 105 | 140 | 34.832 ug/l # | 31 |
| 83) tert-Butylbenzene | 12.29 | 119 | 70 | 16.060 ug/l # | 26 |
| 85) sec-Butylbenzene | 12.48 | 105 | 62 | 7.972 ug/l # | 57 |
| 86) p-Isopropyltoluene | 12.63 | 119 | 63 | 10.109 ug/l # | 49 |
| 89) n-Butylbenzene | 12.93 | 91 | 127 | 28.474 ug/l # | 29 |
| 90) Hexachloroethane | 12.91 | 117 | 73 | 59.608 ug/l # | 18 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.73 | 75 | 83 | 371.472 ug/l # | 9 |

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

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