Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF041819\
Data File : VF062207.D
Acq On : 18 Apr 2019 16:13
Operator : FY/SY
Sample : K2386-01
Misc : 4.98g/5mL/MSVOA_F/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** RBR-200048-49

Quant Time: Apr 19 01:17:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 07:43:02 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.06 | 168 | 44111 | 50.00 | ug/l | 0.03 |
| 34) 1,4-Difluorobenzene | 5.77 | 114 | 37660 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.91 | 117 | 16796 | 50.00 | ug/l | 0.02 |
| 72) 1,4-Dichlorobenzene-d4 | 12.61 | 152 | 4222 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.03 | 65 | 5589 | 13.82 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 27.64% | | | |
| 35) Dibromofluoromethane | 4.30 | 113 | 8652 | 26.26 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 52.52% | | | |
| 50) Toluene-d8 | 7.71 | 98 | 34797 | 41.73 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 83.46% | | | |
| 62) 4-Bromofluorobenzene | 11.49 | 95 | 6915 | 21.56 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 43.12% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.44 | 94 | 454 | 1.313 | ug/l # | 6 |
| 8) Diethyl Ether | 1.70 | 74 | 503 | 3.196 | ug/l | 51 |
| 11) Tert butyl alcohol | 2.70 | 59 | 73 | 2.596 | ug/l # | 1 |
| 13) Acrolein | 2.11 | 56 | 370 | Below Cal | # | 1 |
| 14) Allyl chloride | 2.21 | 41 | 589 | 1.044 | ug/l # | 38 |
| 15) Acrylonitrile | 3.09 | 53 | 135 | 1.576 | ug/l # | 1 |
| 16) Acetone | 2.34 | 43 | 1250 | 12.929 | ug/l | 96 |
| 18) Methyl Acetate | 2.51 | 43 | 1677 | 2.509 | ug/l # | 59 |
| 20) Methylene Chloride | 2.37 | 84 | 262 | Below Cal | # | 31 |
| 25) 2-Butanone | 4.53 | 43 | 518 | 2.680 | ug/l # | 56 |
| 29) Tetrahydrofuran | 4.25 | 42 | 287 | 3.280 | ug/l # | 1 |
| 37) Ethyl Acetate | 4.29 | 43 | 843 | 3.957 | ug/l # | 1 |
| 41) Methacrylonitrile | 4.94 | 41 | 413 | 3.360 | ug/l # | 9 |
| 43) Isopropyl Acetate | 7.11 | 43 | 544 | 2.428 | ug/l # | 1 |
| 45) 1,2-Dichloropropane | 6.41 | 63 | 464 | 1.779 | ug/l # | 65 |
| 46) Dibromomethane | 6.26 | 93 | 198 | 1.141 | ug/l # | 3 |
| 47) Bromodichloromethane | 6.55 | 83 | 496 | 1.266 | ug/l # | 24 |
| 48) Methyl methacrylate | 6.88 | 41 | 429 | 2.913 | ug/l # | 1 |
| 49) 1,4-Dioxane | 6.87 | 88 | 300 | 177.625 | ug/l # | 38 |
| 51) 4-Methyl-2-Pentanone | 8.40 | 43 | 1569 | 9.413 | ug/l # | 78 |
| 54) cis-1,3-Dichloropropene | 7.44 | 75 | 569 | 1.430 | ug/l # | 41 |
| 56) Ethyl methacrylate | 8.75 | 69 | 746 | 3.752 | ug/l # | 1 |
| 58) 2-Chloroethyl Vinyl ether | 7.42 | 63 | 148 | 2.564 | ug/l # | 48 |
| 59) 2-Hexanone | 9.63 | 43 | 1344 | 13.061 | ug/l # | 28 |
| 65) Chlorobenzene | 9.93 | 112 | 892 | 2.491 | ug/l | 90 |
| 67) Ethyl Benzene | 10.02 | 91 | 1785 | 2.741 | ug/l # | 74 |
| 68) m/p-Xylenes | 10.26 | 106 | 1150 | 4.797 | ug/l # | 35 |
| 69) o-Xylene | 10.83 | 106 | 527 | 1.980 | ug/l # | 1 |
| 70) Styrene | 10.89 | 104 | 1142 | 3.040 | ug/l # | 52 |
| 73) Isopropylbenzene | 11.22 | 105 | 1919 | 5.291 | ug/l | 86 |
| 74) N-amyl acetate | 11.51 | 43 | 399 | 2.552 | ug/l # | 1 |
| 75) 1,1,2,2-Tetrachloroethane | 11.98 | 83 | 546 | 8.754 | ug/l | 84 |
| 76) 1,2,3-Trichloropropane | 11.84 | 75 | 144 | 3.356 | ug/l # | 1 |
| 77) Bromobenzene | 11.59 | 156 | 215 | 2.767 | ug/l # | 1 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 78) n-propylbenzene | 11.67 | 91 | 2504 | 6.545 ug/l | 82 |
| 79) 2-Chlorotoluene | 11.98 | 91 | 920 | 3.964 ug/l | 92 |
| 80) 1,3,5-Trimethylbenzene | 11.89 | 105 | 999 | 3.307 ug/l | 98 |
| 81) trans-1,4-Dichloro-2-buten | 11.87 | 75 | 275 | 12.566 ug/l # | 18 |
| 82) 4-Chlorotoluene | 11.98 | 91 | 954 | 4.254 ug/l | 95 |
| 83) tert-Butylbenzene | 12.20 | 119 | 1135 | 3.634 ug/l | 90 |
| 84) 1,2,4-Trimethylbenzene | 12.27 | 105 | 943 | 3.226 ug/l | 90 |
| 85) sec-Butylbenzene | 12.37 | 105 | 1741 | 4.293 ug/l | 86 |
| 86) p-Isopropyltoluene | 12.51 | 119 | 1253 | 3.642 ug/l # | 69 |
| 87) 1,3-Dichlorobenzene | 12.54 | 146 | 501 | 3.475 ug/l | 90 |
| 88) 1,4-Dichlorobenzene | 12.54 | 146 | 501 | 3.603 ug/l | 88 |
| 89) n-Butylbenzene | 12.92 | 91 | 1051 | Below Cal | 88 |
| 90) Hexachloroethane | 12.98 | 117 | 372 | 4.211 ug/l # | 35 |
| 91) 1,2-Dichlorobenzene | 13.00 | 146 | 419 | 3.010 ug/l # | 26 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.67 | 75 | 136 | 11.098 ug/l # | 18 |
| 94) Hexachlorobutadiene | 14.23 | 225 | 137 | 1.715 ug/l # | 19 |
| 95) Naphthalene | 14.47 | 128 | 274 | 1.345 ug/l # | 1 |
| 96) 1,2,3-Trichlorobenzene | 14.65 | 180 | 207 | 1.851 ug/l # | 12 |

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

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