Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072718\
Data File : VU025668.D
Acq On : 27 Jul 2018 14:48
Operator : MD/SY
Sample : J3762-09 MDL 0.2PPB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** MDL-WATER-03-QT3-2018

**Manual Integrations APPROVED**
MMDadoda
7/31/2018 3:48:42 PM

Quant Time: Jul 30 13:25:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.99 | 168 | 158800 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 5.89 | 114 | 241772 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 9.09 | 117 | 229645 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 131893 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.31 | 65 | 129322 | 52.27 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.54% | | | | |
| 35) Dibromofluoromethane | 4.89 | 113 | 104568 | 49.73 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.46% | | | | |
| 50) Toluene-d8 | 7.57 | 98 | 361087 | 49.07 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.14% | | | | |
| 62) 4-Bromofluorobenzene | 10.31 | 95 | 130882 | 45.82 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.64% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.21 | 85 | 522 | 0.22 | ug/l | | 77 |
| 3) Chloromethane | 1.33 | 50 | 541 | 0.24 | ug/l | | 95 |
| 4) Vinyl Chloride | 1.40 | 62 | 506 | 0.23 | ug/l | # | 43 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101 | 605 | 0.33 | ug/l | # | 64 |
| 12) 1,1-Dichloroethene | 2.28 | 96 | 413 | 0.24 | ug/l | # | 85 |
| 14) Allyl chloride | 2.59 | 41 | 806 | 0.26 | ug/l | # | 88 |
| 15) Acrylonitrile | 2.95 | 53 | 1004 | 0.93 | ug/l | # | 84 |
| 16) Acetone | 2.33 | 43 | 1897 | 1.57 | ug/l | | 95 |
| 17) Carbon Disulfide | 2.48 | 76 | 2964 | 0.54 | ug/l | # | 89 |
| 20) Methylene Chloride | 2.70 | 84 | 618 | 0.29 | ug/l | # | 78 |
| 21) trans-1,2-Dichloroethene | 2.98 | 96 | 722 | 0.37 | ug/l | # | 80 |
| 23) Vinyl Acetate | 3.54 | 43 | 5059 | 0.96 | ug/l | # | 93 |
| 25) 2-Butanone | 4.27 | 43 | 1121 | 0.68 | ug/l | | 95 |
| 29) Tetrahydrofuran | 4.64 | 42 | 445 | 0.45 | ug/l | # | 84 |
| 31) Cyclohexane | 4.99 | 56 | 3354 | Below Cal | | # | 7 |
| 36) 1,1-Dichloropropene | 4.99 | 75 | 11376 | 4.03 | ug/l | # | 49 |
| 39) Methylcyclohexane | 6.42 | 83 | 918 | 0.28 | ug/l | | 92 |
| 40) Benzene | 5.40 | 78 | 1677 | 0.20 | ug/l | # | 82 |
| 44) Trichloroethene | 6.19 | 130 | 666 | 0.29 | ug/l | | 89 |
| 51) 4-Methyl-2-Pentanone | 7.46 | 43 | 2660 | 0.88 | ug/l | | 93 |
| 52) Toluene | 7.65 | 92 | 1055m | 0.21 | ug/l | | |
| 57) 1,3-Dichloropropane | 8.25 | 76 | 738 | 0.21 | ug/l | # | 72 |
| 58) 2-Chloroethyl Vinyl ether | 7.14 | 63 | 932 | 7.73 | ug/l | | 92 |
| 59) 2-Hexanone | 8.37 | 43 | 2309 | 0.97 | ug/l | | 80 |
| 64) Tetrachloroethene | 8.24 | 164 | 524m | 0.26 | ug/l | | |
| 65) Chlorobenzene | 9.12 | 112 | 1424 | 0.24 | ug/l | | 95 |
| 67) Ethyl Benzene | 9.26 | 91 | 2508 | 0.26 | ug/l | | 96 |
| 68) m/p-Xylenes | 9.38 | 106 | 1739 | 0.46 | ug/l | | 98 |
| 70) Styrene | 9.80 | 104 | 1308 | 0.22 | ug/l | # | 84 |
| 73) Isopropylbenzene | 10.17 | 105 | 1973 | 0.22 | ug/l | | 91 |
| 74) N-amyl acetate | 10.02 | 43 | 852 | 0.23 | ug/l | # | 60 |
| 77) Bromobenzene | 10.46 | 156 | 611 | 0.25 | ug/l | | 76 |
| 78) n-propylbenzene | 10.59 | 91 | 3034 | 0.29 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 10.66 | 91 | 1614 | 0.26 | ug/l | | 87 |

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Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 80) 1,3,5-Trimethylbenzene | 10.78 | 105 | 1772 | 0.23 ug/l | 98 |
| 82) 4-Chlorotoluene | 10.78 | 91 | 1971 | 0.27 ug/l | 93 |
| 85) sec-Butylbenzene | 11.33 | 105 | 2197 | 0.24 ug/l | 94 |
| 86) p-Isopropyltoluene | 11.48 | 119 | 2035 | 0.25 ug/l # | 82 |
| 87) 1,3-Dichlorobenzene | 11.42 | 146 | 1582 | 0.34 ug/l | 93 |
| 88) 1,4-Dichlorobenzene | 11.51 | 146 | 1995m | 0.42 ug/l | |
| 89) n-Butylbenzene | 11.90 | 91 | 2149 | 0.28 ug/l | 86 |
| 91) 1,2-Dichlorobenzene | 11.89 | 146 | 1270 | 0.28 ug/l | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.52 | 180 | 895 | 0.29 ug/l | 86 |
| 94) Hexachlorobutadiene | 13.69 | 225 | 366 | 0.23 ug/l | 77 |
| 95) Naphthalene | 13.76 | 128 | 1378 | 1.39 ug/l # | 93 |
| 96) 1,2,3-Trichlorobenzene | 14.00 | 180 | 864 | 0.28 ug/l | 80 |

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

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