

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032919\  
 Data File : VX008547.D  
 Acq On : 29 Mar 2019 16:36  
 Operator : JC/SP  
 Sample : K2121-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP

Manual Integrations  
 APPROVED

MMDadoda  
 3/30/2019 9:50:48 AM

Quant Time: Mar 30 09:43:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 26 07:57:20 2019  
 Response via : Initial Calibration

| Internal Standards           | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|------------------------------|--------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene        | 5.66   | 168  | 227050   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.86   | 114  | 377325   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.12  | 117  | 329505   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.08  | 152  | 137513   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.06   | 65   | 155980   | 45.31   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 |      | Recovery | =       | 90.62% |          |
| 35) Dibromofluoromethane     | 5.50   | 113  | 115808   | 47.07   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 |      | Recovery | =       | 94.14% |          |
| 50) Toluene-d8               | 8.71   | 98   | 477702   | 48.56   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 |      | Recovery | =       | 97.12% |          |
| 62) 4-Bromofluorobenzene     | 11.13  | 95   | 164110   | 45.02   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 |      | Recovery | =       | 90.04% |          |
| Target Compounds             |        |      |          |         |        |          |
|                              |        |      |          |         | Qvalue |          |
| 4) Vinyl Chloride            | 1.40   | 62   | 21617m   | 5.785   | ug/l   |          |
| 11) Tert butyl alcohol       | 3.04   | 59   | 3762     | 4.933   | ug/l # | 91       |
| 16) Acetone                  | 2.44   | 43   | 28338    | 15.752  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.17   | 96   | 6162     | 2.081   | ug/l   | 92       |
| 27) cis-1,2-Dichloroethene   | 4.60   | 96   | 586846   | 181.683 | ug/l   | 89       |
| 31) Cyclohexane              | 5.57   | 56   | 6954     | 1.260   | ug/l   | 85       |
| 39) Methylcyclohexane        | 7.46   | 83   | 8729     | 1.816   | ug/l   | 91       |
| 40) Benzene                  | 6.14   | 78   | 16230    | 1.348   | ug/l   | 100      |
| 44) Trichloroethene          | 7.21   | 130  | 1459     | 0.516   | ug/l   | 88       |
| 52) Toluene                  | 8.79   | 92   | 370152   | 51.399  | ug/l   | 99       |
| 64) Tetrachloroethene        | 9.33   | 164  | 1152     | 0.516   | ug/l   | 92       |
| 67) Ethyl Benzene            | 10.25  | 91   | 178154   | 13.173  | ug/l   | 99       |
| 68) m/p-Xylenes              | 10.36  | 106  | 434998   | 88.416  | ug/l   | 99       |
| 69) o-Xylene                 | 10.69  | 106  | 243148   | 50.927  | ug/l   | 100      |
| 73) Isopropylbenzene         | 11.02  | 105  | 19896    | 1.778   | ug/l   | 99       |
| 78) n-propylbenzene          | 11.36  | 91   | 61866    | 4.721   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene   | 11.51  | 105  | 432682   | 45.748  | ug/l   | 99       |
| 83) tert-Butylbenzene        | 11.77  | 119  | 21446    | 2.350   | ug/l   | 88       |
| 84) 1,2,4-Trimethylbenzene   | 11.80  | 105  | 751916   | 78.600  | ug/l   | 98       |
| 85) sec-Butylbenzene         | 11.94  | 105  | 17839m   | 1.642   | ug/l   |          |
| 86) p-Isopropyltoluene       | 12.06  | 119  | 47750    | 4.980   | ug/l   | 99       |
| 95) Naphthalene              | 13.83  | 128  | 193702   | 17.274  | ug/l   | 100      |

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

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