

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081319\  
 Data File : VX011529.D  
 Acq On : 13 Aug 2019 12:34  
 Operator : JC/SP  
 Sample : K4279-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0670

Manual Integrations  
 APPROVED

MMDadoda  
 8/14/2019 11:31:27 AM

Quant Time: Aug 14 01:34:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.   | QIon | Response | Conc     | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|----------|---------|----------|
| 1) Pentafluorobenzene       | 5.66   | 168  | 199287   | 50.00    | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85   | 114  | 296752   | 50.00    | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11  | 117  | 265971   | 50.00    | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08  | 152  | 138934   | 50.00    | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |          |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65   | 109077   | 54.35    | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =        | 108.70% |          |
| 35) Dibromofluoromethane    | 5.49   | 113  | 89115    | 46.00    | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =        | 92.00%  |          |
| 50) Toluene-d8              | 8.71   | 98   | 344515   | 47.11    | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =        | 94.22%  |          |
| 62) 4-Bromofluorobenzene    | 11.13  | 95   | 128427   | 49.19    | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =        | 98.38%  |          |
| Target Compounds            |        |      |          |          |         |          |
|                             |        |      |          |          | Qvalue  |          |
| 16) Acetone                 | 2.43   | 43   | 2566     | 2.686    | ug/l    | 99       |
| 31) Cyclohexane             | 5.57   | 56   | 104943   | 40.605   | ug/l    | 98       |
| 39) Methylcyclohexane       | 7.46   | 83   | 112059   | 36.488   | ug/l    | 99       |
| 40) Benzene                 | 6.15   | 78   | 13268415 | 1716.147 | ug/l    | 94       |
| 52) Toluene                 | 8.78   | 92   | 7133     | 1.395    | ug/l    | 99       |
| 67) Ethyl Benzene           | 10.25  | 91   | 4402074  | 460.917  | ug/l    | 99       |
| 68) m/p-Xylenes             | 10.35  | 106  | 197036   | 53.337   | ug/l    | 96       |
| 69) o-Xylene                | 10.69  | 106  | 23185    | 6.388    | ug/l    | 100      |
| 73) Isopropylbenzene        | 11.02  | 105  | 560512   | 58.988   | ug/l    | 99       |
| 78) n-propylbenzene         | 11.36  | 91   | 730409   | 69.122   | ug/l    | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.51  | 105  | 270595   | 34.019   | ug/l    | 98       |
| 83) tert-Butylbenzene       | 11.77  | 119  | 8062     | 1.033    | ug/l    | 93       |
| 84) 1,2,4-Trimethylbenzene  | 11.80  | 105  | 133065   | 16.802   | ug/l    | 99       |
| 85) sec-Butylbenzene        | 11.94  | 105  | 91695    | 9.783    | ug/l    | 84       |
| 86) p-Isopropyltoluene      | 12.06  | 119  | 9702m    | 1.125    | ug/l    |          |
| 89) n-Butylbenzene          | 12.38  | 91   | 44644m   | 6.010    | ug/l    |          |
| 95) Naphthalene             | 13.83  | 128  | 1085941  | 119.701  | ug/l    | 100      |

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

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