

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082719\  
 Data File : VV012428.D  
 Acq On : 27 Aug 2019 15:28  
 Operator : SY/MD  
 Sample : K4500-21  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GANL5

Manual Integrations  
 APPROVED

MMDadoda  
 9/2/2019 11:32:40 AM

Quant Time: Aug 28 08:39:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Aug 28 07:35:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 223854   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 225361   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 81606    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 36258    | 3.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 64.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 43165    | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.60% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 80837    | 4.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 81.40%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 116051   | 38.49    | ug/L | -0.04   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 76.98%  |
| 24) Chloroform-d               | 4.40   | 84    | 110440   | 4.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 60915    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.00%  |
| 32) Benzene-d6                 | 5.10   | 84    | 240403   | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 76428    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.00%  |
| 41) Toluene-d8                 | 7.36   | 98    | 188326   | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 76.60%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 23066    | 3.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 73.20%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 68967    | 35.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 70.56%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 42228    | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 76.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 64253    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.60%  |

## Target Compounds

|                            |      |     |        |             | Ovalue |
|----------------------------|------|-----|--------|-------------|--------|
| 13) Acetone                | 2.19 | 43  | 12772  | 9.791 ug/L  | 99     |
| 21) 2-Butanone             | 4.02 | 43  | 5456m  | 1.781 ug/L  |        |
| 22) cis-1,2-Dichloroethene | 3.96 | 96  | 7513   | 0.516 ug/L  | 100    |
| 25) Chloroform             | 4.42 | 83  | 14288  | 0.516 ug/L  | 94     |
| 34) Trichloroethene        | 5.96 | 95  | 19263  | 1.242 ug/L  | 98     |
| 47) Tetrachloroethene      | 8.02 | 164 | 684976 | 54.737 ug/L | 97     |

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

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