

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091919\  
 Data File : VV012909.D  
 Acq On : 18 Sep 2019 23:16  
 Operator : SY/MD  
 Sample : K4649-06  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A5169

Manual Integrations  
 APPROVED

MMDadoda  
 9/19/2019 11:20:04 AM

Quant Time: Sep 19 04:44:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR072919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Sep 19 05:14:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 359451   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 356436   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 133818   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 143253   | 7.04     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 140.80%# |
| 7) Chloroethane-d5             | 1.58   | 69    | 130369   | 9.14     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 182.80%# |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 181961   | 4.94     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 98.80%   |
| 20) 2-Butanone-d5              | 4.00   | 46    | 306622m  | 66.36    | ug/L | 0.04     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 132.72%# |
| 24) Chloroform-d               | 4.40   | 84    | 264416   | 6.02     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 120.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 136150   | 5.73     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 114.60%  |
| 32) Benzene-d6                 | 5.10   | 84    | 521861   | 5.81     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 116.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 166452   | 6.63     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 132.60%  |
| 41) Toluene-d8                 | 7.36   | 98    | 404337   | 4.64     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.80%   |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 50469    | 4.60     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.00%   |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 226863   | 58.43    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 116.86%  |
| 56) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 114708   | 6.09     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 121.80%# |
| 66) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 141013   | 5.92     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 118.40%  |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc    | Units | Ovalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 13) Acetone                  | 2.32 | 43   | 11065m   | 4.352   | ug/L  |        |
| 18) trans-1,2-Dichloroethene | 2.79 | 96   | 3853     | 0.162   | ug/L  | 96     |
| 22) cis-1,2-Dichloroethene   | 3.96 | 96   | 11303    | 0.446   | ug/L  | 90     |
| 34) Trichloroethene          | 5.96 | 95   | 33689    | 1.220   | ug/L  | 97     |
| 47) Tetrachloroethene        | 8.02 | 164  | 5650645  | 234.182 | ug/L  | 97     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV091919\  
Data File : VV012909.D  
Acq On : 18 Sep 2019 23:16  
Operator : SY/MD  
Sample : K4649-06  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A5169

Manual Integrations  
APPROVED

MMDadoda  
9/19/2019 11:20:04 AM

Quant Time: Sep 19 04:44:40 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR072919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Sep 19 05:14:44 2019  
Response via : Initial Calibration

