

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090418\  
 Data File : VV007359.D  
 Acq On : 05 Sep 2018 04:38  
 Operator : SY/MD  
 Sample : J4695-16  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEGB0

Quant Time: Sep 05 05:06:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 05 01:26:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 525521   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 501011   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 193801   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 164906   | 43.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.86%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 115534   | 46.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.98%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 234321   | 35.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.88%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 252599   | 82.73    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 82.73%  |
| 24) Chloroform-d               | 4.41    | 84    | 353078   | 45.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.94%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 220018   | 46.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.94%  |
| 32) Benzene-d6                 | 5.11    | 84    | 706825   | 46.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.62%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 238395   | 47.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 94.22%  |
| 41) Toluene-d8                 | 7.37    | 98    | 576987   | 44.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.78%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 90143    | 41.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.64%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 158650   | 79.98    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 79.98%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 303917   | 43.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 87.94%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 214271   | 51.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.88% |

## Target Compounds

|                      |      |    |       |       | Ovalue   |
|----------------------|------|----|-------|-------|----------|
| 3) Chloromethane     | 1.26 | 50 | 47428 | 10.72 | ug/L 99  |
| 13) Acetone          | 2.21 | 43 | 65460 | 36.00 | ug/L 95  |
| 14) Carbon disulfide | 2.32 | 76 | 20717 | 2.20  | ug/L 97  |
| 22) 2-Butanone       | 4.05 | 43 | 19569 | 6.43  | ug/L 98  |
| 29) Cyclohexane      | 4.73 | 56 | 14597 | 2.63  | ug/L 98  |
| 33) Benzene          | 5.15 | 78 | 30951 | 1.93  | ug/L 100 |

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

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