

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV111618\  
 Data File : VV008577.D  
 Acq On : 16 Nov 2018 11:06  
 Operator : SY/MD  
 Sample : J5945-16ME  
 Misc : 4.17g/5.0mL/100uL/5.0 mL/MSVOA\_V/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETOA7ME

Manual Integrations  
 APPROVED

MMDadoda  
 11/17/2018 10:01:22 AM

Quant Time: Nov 17 10:04:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM111518WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 16 23:18:19 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 273895   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 248579   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 115300   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 88912    | 49.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 99.76%  |
| 7) Chloroethane-d5             | 1.55    | 69    | 24531    | 20.04    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 40.08%# |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 102743   | 32.73    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.46%  |
| 21) 2-Butanone-d5              | 3.95    | 46    | 159124m  | 102.82   | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.82% |
| 24) Chloroform-d               | 4.41    | 84    | 178422   | 44.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.66%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 122565   | 47.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.56%  |
| 32) Benzene-d6                 | 5.10    | 84    | 371250   | 45.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.84%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 125075   | 48.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.22%  |
| 41) Toluene-d8                 | 7.36    | 98    | 327560   | 45.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.02%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 55750    | 44.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.86%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 118238   | 106.52   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.52% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 166425   | 50.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.36% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 126241   | 47.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.96%  |

| Target Compounds      |      |    |       |             | Qvalue |
|-----------------------|------|----|-------|-------------|--------|
| 35) Methylcyclohexane | 6.18 | 83 | 52106 | 14.629 ug/L | 97     |

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

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