

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071020\  
 Data File : VV017436.D  
 Acq On : 10 Jul 2020 13:47  
 Operator : SY/MD  
 Sample : L3254-13  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F4A44

Manual Integrations  
 APPROVED

MMDadoda  
 7/13/2020 11:44:02 AM

Quant Time: Jul 11 01:08:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM070820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 11 00:23:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 265437   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 251963   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 124566   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 56271    | 40.72    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.44% |
| 7) Chloroethane-d5             | 1.58    | 69    | 42093    | 43.36    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 86.72% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 96687    | 30.90    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.80% |
| 21) 2-Butanone-d5              | 3.91    | 46    | 86817m   | 91.98    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 91.98% |
| 24) Chloroform-d               | 4.38    | 84    | 141533   | 44.28    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.56% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 105204   | 47.95    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.90% |
| 32) Benzene-d6                 | 5.08    | 84    | 248887   | 45.73    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.46% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 72986    | 46.57    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.14% |
| 41) Toluene-d8                 | 7.34    | 98    | 231527   | 44.25    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.50% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 40641    | 44.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.10% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 59126    | 91.92    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.92% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 96688    | 43.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 87.86% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 102621   | 49.27    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.54% |

## Target Compounds

|                            |      |     |       |             | Ovalue |
|----------------------------|------|-----|-------|-------------|--------|
| 5) Vinyl chloride          | 1.32 | 62  | 2152  | 1.061 ug/L  | # 45   |
| 13) Acetone                | 2.19 | 43  | 9516  | 7.407 ug/L  | 89     |
| 19) 1,1-Dichloroethane     | 3.22 | 63  | 5835  | 1.830 ug/L  | 94     |
| 20) cis-1,2-Dichloroethene | 3.94 | 96  | 89578 | 48.221 ug/L | 96     |
| 34) Trichloroethene        | 5.95 | 95  | 2409  | 1.218 ug/L  | 79     |
| 46) Tetrachloroethene      | 8.00 | 164 | 11082 | 6.674 ug/L  | 97     |

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

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