

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\  
 Data File : VV017906.D  
 Acq On : 10 Aug 2020 19:13  
 Operator : SY/MD  
 Sample : L3608-13DL 5X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F2M19DL

Quant Time: Aug 11 03:36:52 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM080820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 11 01:17:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 239970   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 227420   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 120361   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 47415    | 38.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.52%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 43530    | 41.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 82.70%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 87032    | 29.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 58.46%# |
| 21) 2-Butanone-d5              | 3.91    | 46    | 74369    | 95.83    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.83%  |
| 24) Chloroform-d               | 4.38    | 84    | 140954   | 43.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.76%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 108178   | 45.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.64%  |
| 32) Benzene-d6                 | 5.07    | 84    | 233488   | 44.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.92%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 61968    | 46.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.08%  |
| 41) Toluene-d8                 | 7.34    | 98    | 227956   | 43.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.38%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 39005    | 45.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.98%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 45620    | 94.59    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.59%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 93967    | 45.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.54%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 112746   | 45.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.90%  |

## Target Compounds

|                              |      |    |        |        | Ovalue    |
|------------------------------|------|----|--------|--------|-----------|
| 5) Vinyl chloride            | 1.32 | 62 | 101095 | 72.102 | ug/L 98   |
| 17) trans-1,2-Dichloroethene | 2.78 | 96 | 1714   | 1.188  | ug/L # 75 |
| 20) cis-1,2-Dichloroethene   | 3.94 | 96 | 13389  | 8.591  | ug/L 96   |

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

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