

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091720\  
 Data File : VV018274.D  
 Acq On : 17 Sep 2020 13:28  
 Operator : SY/MD  
 Sample : L4042-08DL 10X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AB9DL

Quant Time: Sep 18 06:51:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 18 06:17:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 310840   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 307203   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 148682   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 89253    | 35.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 70.46%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 76703    | 37.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 74.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 135948   | 29.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 58.52%# |
| 21) 2-Butanone-d5              | 3.92    | 46    | 121989   | 78.68    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 78.68%  |
| 24) Chloroform-d               | 4.38    | 84    | 169797   | 38.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 77.26%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 112419   | 39.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 79.80%  |
| 32) Benzene-d6                 | 5.08    | 84    | 341444   | 38.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 77.66%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 110193   | 39.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 78.86%  |
| 41) Toluene-d8                 | 7.34    | 98    | 302301   | 37.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 75.44%# |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 51670    | 36.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.78%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 87349    | 82.52    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 82.52%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 142714   | 40.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.38%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 129276   | 42.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.68%  |

## Target Compounds

|                            |      |    |        |              | Ovalue |
|----------------------------|------|----|--------|--------------|--------|
| 12) 1,1-Dichloroethene     | 2.13 | 96 | 6688   | 3.277 ug/L # | 1      |
| 20) cis-1,2-Dichloroethene | 3.94 | 96 | 7695   | 3.422 ug/L   | 97     |
| 30) 1,1,1-Trichloroethane  | 4.64 | 97 | 9831   | 2.757 ug/L   | 96     |
| 34) Trichloroethene        | 5.94 | 95 | 107411 | 44.892 ug/L  | 99     |

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

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