

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\  
 Data File : VV016692.D  
 Acq On : 09 Jun 2020 04:30  
 Operator : SY/MD  
 Sample : L2901-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 09 05:50:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 09 03:40:57 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 342735   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 322266   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 152685   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 164462m  | 68.00    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 136.00%# |
| 7) Chloroethane-d5             | 1.56    | 69    | 57670    | 39.74    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 79.48%   |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 159433   | 39.26    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.52%   |
| 21) 2-Butanone-d5              | 3.92    | 46    | 213339   | 119.19   | ug/L | 0.03     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 119.19%  |
| 24) Chloroform-d               | 4.38    | 84    | 232494   | 47.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.56%   |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 167810   | 50.17    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.34%  |
| 32) Benzene-d6                 | 5.07    | 84    | 449652   | 48.40    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.80%   |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 140978   | 48.68    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.36%   |
| 41) Toluene-d8                 | 7.34    | 98    | 407926   | 47.85    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.70%   |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 67408    | 44.69    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.38%   |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 144272   | 114.28   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 114.28%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 197812   | 51.60    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 103.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 170201   | 52.23    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.46%  |

## Target Compounds

|                              |      |    |          |          | Ovalue    |
|------------------------------|------|----|----------|----------|-----------|
| 5) Vinyl chloride            | 1.32 | 62 | 8764558  | 3586.687 | ug/L 92   |
| 12) 1,1-Dichloroethene       | 2.13 | 96 | 29572    | 17.384   | ug/L # 43 |
| 13) Acetone                  | 2.18 | 43 | 4714     | 3.997    | ug/L 88   |
| 14) Carbon disulfide         | 2.32 | 76 | 7911m    | 1.284    | ug/L      |
| 15) Methyl Acetate           | 2.44 | 43 | 86786    | 33.016   | ug/L 98   |
| 17) trans-1,2-Dichloroethene | 2.78 | 96 | 113073   | 48.752   | ug/L 98   |
| 20) cis-1,2-Dichloroethene   | 3.94 | 96 | 19571402 | 7740.175 | ug/L 86   |

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

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