

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071720\  
 Data File : VV0717516.D  
 Acq On : 17 Jul 2020 11:38  
 Operator : SY/MD  
 Sample : L3314-02  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F4C25

Manual Integrations  
 APPROVED

MMDadoda  
 7/22/2020 10:50:33 AM

Quant Time: Jul 18 05:20:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM070820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 18 05:06:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 293303   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 280702   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 136363   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 81780    | 53.56    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 107.12%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 66454m   | 61.95    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 123.90%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 652810   | 188.82   | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 377.64%# |
| 21) 2-Butanone-d5              | 3.91    | 46    | 101176   | 97.01    | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.01%   |
| 24) Chloroform-d               | 4.38    | 84    | 167603   | 47.45    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.90%   |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 125166   | 51.63    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.26%  |
| 32) Benzene-d6                 | 5.07    | 84    | 300984   | 49.64    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.28%   |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 86909    | 49.77    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.54%   |
| 41) Toluene-d8                 | 7.34    | 98    | 282493   | 48.46    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.92%   |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 50686    | 49.87    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 99.74%   |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 79569    | 111.03   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 111.03%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 124104   | 50.62    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 101.24%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 123481   | 54.16    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.32%  |

## Target Compounds

|                                |      |     |        |         | Ovalue    |
|--------------------------------|------|-----|--------|---------|-----------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 20564  | 10.558  | ug/L 88   |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 899259 | 510.455 | ug/L # 64 |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 15696  | 4.456   | ug/L 97   |
| 20) cis-1,2-Dichloroethene     | 3.95 | 96  | 5019   | 2.445   | ug/L 92   |
| 34) Trichloroethene            | 5.94 | 95  | 399491 | 181.343 | ug/L 97   |
| 45) 1,1,2-Trichloroethane      | 7.87 | 97  | 2173   | 1.104   | ug/L 90   |

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

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