

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070720\  
 Data File : VV017378.D  
 Acq On : 07 Jul 2020 15:02  
 Operator : SY/MD  
 Sample : L3154-11DL 5X  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H4271DL

Quant Time: Jul 08 03:11:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 08 01:30:57 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 164584   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 158665   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 78184    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 41612    | 4.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 36291    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 101.00% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 66286    | 3.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.60%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 98707    | 39.21    | ug/L | -0.03   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 78.42%  |
| 24) Chloroform-d               | 4.38   | 84    | 94544    | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 52098    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.00%  |
| 32) Benzene-d6                 | 5.08   | 84    | 168888   | 4.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 47508    | 3.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 77.00%  |
| 41) Toluene-d8                 | 7.34   | 98    | 154123   | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.80%  |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 20446    | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 79.60%  |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 66223    | 33.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 67.72%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 33486    | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 81.80%  |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 65054    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 90.00%  |

## Target Compounds

|                              |      |    |       |              | Ovalue |
|------------------------------|------|----|-------|--------------|--------|
| 5) Vinyl chloride            | 1.32 | 62 | 98936 | 9.161 ug/L   | 97     |
| 18) trans-1,2-Dichloroethene | 2.78 | 96 | 8371  | 1.000 ug/L   | 91     |
| 22) cis-1,2-Dichloroethene   | 3.94 | 96 | 45544 | 3.979 ug/L   | 96     |
| 34) Trichloroethene          | 5.95 | 95 | 1346  | 0.111 ug/L # | 68     |

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

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