

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042420\  
 Data File : VV015669.D  
 Acq On : 24 Apr 2020 13:24  
 Operator : SY/MD  
 Sample : L2416-01  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETKN9

Quant Time: Apr 25 00:53:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Apr 25 00:15:39 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 133530   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 129118   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 62737    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 62824    | 9.00     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 180.00%# |
| 7) Chloroethane-d5             | 1.58   | 69    | 32626    | 4.85     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.00%   |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 51282    | 3.36     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.20%   |
| 20) 2-Butanone-d5              | 3.90   | 46    | 106933   | 47.72    | ug/L | -0.03    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.44%   |
| 24) Chloroform-d               | 4.37   | 84    | 78263    | 4.81     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.20%   |
| 26) 1,2-Dichloroethane-d4      | 5.05   | 65    | 43343    | 4.76     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.20%   |
| 32) Benzene-d6                 | 5.07   | 84    | 143987   | 4.67     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.40%   |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 46148    | 4.69     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.80%   |
| 41) Toluene-d8                 | 7.33   | 98    | 130994   | 4.47     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.40%   |
| 43) trans-1,3-Dichloropropene- | 7.64   | 79    | 16448    | 4.32     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.40%   |
| 46) 2-Hexanone-d5              | 8.11   | 63    | 76868    | 41.39    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 82.78%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 33290    | 4.54     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.80%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 51394    | 4.82     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.40%   |

## Target Compounds

|                              |      |     |         |         | Ovalue    |
|------------------------------|------|-----|---------|---------|-----------|
| 5) Vinyl chloride            | 1.32 | 62  | 3879267 | 367.086 | ug/L 94   |
| 14) Carbon disulfide         | 2.31 | 76  | 4804    | 0.219   | ug/L 100  |
| 17) Methyl tert-butyl Ether  | 2.78 | 73  | 6347    | 0.291   | ug/L # 84 |
| 18) trans-1,2-Dichloroethene | 2.78 | 96  | 7706    | 0.886   | ug/L 98   |
| 22) cis-1,2-Dichloroethene   | 3.93 | 96  | 3360825 | 349.308 | ug/L 98   |
| 33) Benzene                  | 5.13 | 78  | 4708    | 0.128   | ug/L 100  |
| 34) Trichloroethene          | 5.94 | 95  | 34644   | 3.401   | ug/L 98   |
| 42) Toluene                  | 7.41 | 91  | 3547    | 0.090   | ug/L 91   |
| 47) Tetrachloroethene        | 7.99 | 164 | 157314  | 21.446  | ug/L 96   |
| 56) Isopropylbenzene         | 9.95 | 105 | 3092    | 0.068   | ug/L 95   |

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

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