

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV043020\  
 Data File : VV015847.D  
 Acq On : 30 Apr 2020 20:29  
 Operator : SY/MD  
 Sample : L2416-09MS  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETKL4MS

Quant Time: May 01 04:55:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri May 01 01:42:43 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 117076   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 113799   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 52342    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 34936    | 5.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 114.20% |
| 7) Chloroethane-d5             | 1.58   | 69    | 31872    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 108.20% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 77425    | 5.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 115.60% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 97252    | 49.50    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.00%  |
| 24) Chloroform-d               | 4.38   | 84    | 68208    | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 41755    | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.60% |
| 32) Benzene-d6                 | 5.08   | 84    | 135350   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 42867    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.80%  |
| 41) Toluene-d8                 | 7.34   | 98    | 120887   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.80%  |
| 43) trans-1,3-Dichloropropene- | 7.65   | 79    | 14126    | 4.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.20%  |
| 46) 2-Hexanone-d5              | 8.12   | 63    | 66732    | 40.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 81.54%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 29522    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 43817    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.40%  |

## Target Compounds

|                            |      |     |        |            | Ovalue |
|----------------------------|------|-----|--------|------------|--------|
| 5) Vinyl chloride          | 1.32 | 62  | 4897   | 0.529 ug/L | 94     |
| 12) 1,1-Dichloroethene     | 2.13 | 96  | 43725  | 6.417 ug/L | 94     |
| 22) cis-1,2-Dichloroethene | 3.94 | 96  | 22760  | 2.698 ug/L | 98     |
| 25) Chloroform             | 4.41 | 83  | 4575   | 0.288 ug/L | 94     |
| 33) Benzene                | 5.13 | 78  | 206932 | 6.365 ug/L | 100    |
| 34) Trichloroethene        | 5.94 | 95  | 53384  | 5.945 ug/L | 99     |
| 42) Toluene                | 7.41 | 91  | 218469 | 6.289 ug/L | 98     |
| 51) Chlorobenzene          | 8.90 | 112 | 140115 | 6.157 ug/L | 97     |

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

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