

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\  
 Data File : VV015444.D  
 Acq On : 10 Apr 2020 01:56  
 Operator : SY/MD  
 Sample : L2207-04  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFS85

Quant Time: Apr 10 07:24:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR040920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Apr 10 05:37:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 117706   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 113191   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 56143    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 28057    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 26875    | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 40495    | 3.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.00%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 87983    | 51.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.62% |
| 24) Chloroform-d               | 4.38   | 84    | 62916    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 36434    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.00% |
| 32) Benzene-d6                 | 5.08   | 84    | 123049   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 40008    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.40% |
| 41) Toluene-d8                 | 7.34   | 98    | 113044   | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.40%  |
| 43) trans-1,3-Dichloropropene- | 7.65   | 79    | 15005    | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.20%  |
| 46) 2-Hexanone-d5              | 8.12   | 63    | 81852    | 49.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.80%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 29766    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 44741    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.20%  |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|------------------------------|------|------|----------|--------|--------|--------|
| 5) Vinyl chloride            | 1.32 | 62   | 16128    | 1.510  | ug/L   | 96     |
| 18) trans-1,2-Dichloroethene | 2.78 | 96   | 925      | 0.111  | ug/L   | 87     |
| 19) 1,1-Dichloroethane       | 3.21 | 63   | 34012    | 2.167  | ug/L   | 99     |
| 22) cis-1,2-Dichloroethene   | 3.94 | 96   | 43278    | 5.006  | ug/L   | 98     |
| 27) 1,2-Dichloroethane       | 5.16 | 62   | 14766    | 1.422  | ug/L   | 99     |
| 29) 1,1,1-Trichloroethane    | 4.63 | 97   | 1697     | 0.116  | ug/L   | 97     |
| 30) Cyclohexane              | 4.70 | 56   | 27587    | 1.769  | ug/L   | 94     |
| 33) Benzene                  | 5.13 | 78   | 298045   | 8.798  | ug/L   | 100    |
| 34) Trichloroethene          | 5.94 | 95   | 8493     | 0.931  | ug/L   | 99     |
| 35) Methylcyclohexane        | 6.15 | 83   | 9511     | 0.619  | ug/L # | 80     |
| 42) Toluene                  | 7.41 | 91   | 19931    | 0.542  | ug/L   | 97     |
| 47) Tetrachloroethene        | 8.00 | 164  | 1056     | 0.156  | ug/L   | 96     |
| 51) Chlorobenzene            | 8.90 | 112  | 240131   | 10.242 | ug/L   | 100    |
| 52) Ethylbenzene             | 9.04 | 91   | 146421   | 3.458  | ug/L   | 99     |
| 53) m,p-xylene               | 9.16 | 106  | 216760   | 13.556 | ug/L   | 100    |
| 54) o-xylene                 | 9.57 | 106  | 56179    | 3.630  | ug/L   | 95     |
| 56) Isopropylbenzene         | 9.95 | 105  | 55340    | 1.304  | ug/L   | 100    |

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| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 62) 1,3-Dichlorobenzene    | 11.21 | 146  | 5510     | 0.304 | ug/L  | 97       |
| 63) 1,4-Dichlorobenzene    | 11.30 | 146  | 16380    | 0.889 | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene    | 11.67 | 146  | 132058   | 8.002 | ug/L  | 98       |
| 68) 1,2,4-trichlorobenzene | 13.29 | 180  | 3617     | 0.307 | ug/L  | 97       |

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

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