

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071520\  
 Data File : VV071501.D  
 Acq On : 15 Jul 2020 10:43  
 Operator : SY/MD  
 Sample : L3260-01DL 4X  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 16 02:05:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071420WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jul 16 01:29:31 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 143393   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 134627   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 68922    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 38528    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 31767    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 63889    | 3.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.00%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 74456m   | 43.50    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 87.00%  |
| 24) Chloroform-d               | 4.37   | 84    | 84962    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 50307    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.20% |
| 32) Benzene-d6                 | 5.07   | 84    | 154073   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 43200    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.20% |
| 41) Toluene-d8                 | 7.34   | 98    | 145142   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.60%  |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 19603    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.60%  |
| 48) 2-Hexanone-d5              | 8.12   | 63    | 60466    | 48.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.74%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 29586    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.80%  |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 58519    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.40%  |

## Target Compounds

| Target Compounds            | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|-----------------------------|------|------|----------|--------|--------|--------|
| 6) Bromomethane             | 1.53 | 94   | 3054     | 0.437  | ug/L   | 92     |
| 12) 1,1-Dichloroethene      | 2.13 | 96   | 5098     | 0.591  | ug/L # | 1      |
| 13) Acetone                 | 2.21 | 43   | 19677m   | 15.836 | ug/L   |        |
| 14) Carbon disulfide        | 2.31 | 76   | 48179    | 1.804  | ug/L   | 99     |
| 15) Methyl Acetate          | 2.46 | 43   | 23314    | 9.714  | ug/L   | 98     |
| 16) Methylene chloride      | 2.52 | 84   | 12287    | 1.183  | ug/L   | 96     |
| 17) Methyl tert-butyl Ether | 2.79 | 73   | 56356    | 2.629  | ug/L   | 99     |
| 21) 2-Butanone              | 4.05 | 43   | 17513m   | 9.118  | ug/L   |        |
| 22) cis-1,2-Dichloroethene  | 3.94 | 96   | 15984    | 1.594  | ug/L   | 98     |
| 27) 1,2-Dichloroethane      | 5.16 | 62   | 17042    | 1.351  | ug/L # | 94     |
| 30) Cyclohexane             | 4.70 | 56   | 35787    | 2.470  | ug/L   | 99     |
| 33) Benzene                 | 5.12 | 78   | 46965    | 1.311  | ug/L   | 100    |
| 34) Trichloroethene         | 5.94 | 95   | 9244     | 0.845  | ug/L   | 90     |
| 35) Methylcyclohexane       | 6.15 | 83   | 77197    | 4.796  | ug/L   | 97     |
| 40) 4-Methyl-2-pentanone    | 7.26 | 43   | 30658    | 6.995  | ug/L   | 96     |
| 42) Toluene                 | 7.41 | 91   | 156199   | 3.949  | ug/L   | 99     |
| 49) Tetrachloroethene       | 8.00 | 164  | 11308    | 1.215  | ug/L   | 89     |

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Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------|-------|------|----------|-------|--------|----------|
| 50) 2-Hexanone          | 8.17  | 43   | 23884    | 7.417 | ug/L   | 95       |
| 52) 1,2-Dibromoethane   | 8.38  | 107  | 2933     | 0.483 | ug/L # | 93       |
| 54) Ethylbenzene        | 9.03  | 91   | 108014   | 2.386 | ug/L   | 99       |
| 55) m,p-xylene          | 9.16  | 106  | 34914    | 2.040 | ug/L   | 100      |
| 63) 1,3-Dichlorobenzene | 11.20 | 146  | 34096    | 1.591 | ug/L   | 96       |

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

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