

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\  
 Data File : VV017081.D  
 Acq On : 24 Jun 2020 19:05  
 Operator : SY/MD  
 Sample : L3105-05  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 25 02:52:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jun 25 01:16:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 176410   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 169255   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 83185    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 49097    | 4.64     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.80% |
| 7) Chloroethane-d5             | 1.58   | 69    | 32523    | 4.22     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 84.40% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 78130    | 3.88     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 77.60% |
| 20) 2-Butanone-d5              | 3.92   | 46    | 125681   | 46.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 93.16% |
| 24) Chloroform-d               | 4.38   | 84    | 105340   | 4.65     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.00% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 57115    | 4.76     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.20% |
| 32) Benzene-d6                 | 5.08   | 84    | 199944   | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.20% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 59431    | 4.52     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.40% |
| 41) Toluene-d8                 | 7.34   | 98    | 178230   | 4.33     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.60% |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 22955    | 4.19     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.80% |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 92082    | 44.14    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 88.28% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 42862    | 4.91     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.20% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 74642    | 4.85     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.00% |

## Target Compounds

|                              |      |     |         |         | Ovalue   |
|------------------------------|------|-----|---------|---------|----------|
| 5) Vinyl chloride            | 1.32 | 62  | 1181923 | 102.102 | ug/L 100 |
| 8) Chloroethane              | 1.60 | 64  | 1364m   | 0.213   | ug/L     |
| 12) 1,1-Dichloroethene       | 2.14 | 96  | 28845   | 3.407   | ug/L 87  |
| 13) Acetone                  | 2.20 | 43  | 11921   | 8.739   | ug/L 95  |
| 18) trans-1,2-Dichloroethene | 2.78 | 96  | 21653   | 2.413   | ug/L 98  |
| 19) 1,1-Dichloroethane       | 3.21 | 63  | 600717  | 29.800  | ug/L 98  |
| 22) cis-1,2-Dichloroethene   | 3.94 | 96  | 644629  | 52.542  | ug/L 100 |
| 25) Chloroform               | 4.41 | 83  | 21670   | 0.984   | ug/L 96  |
| 27) 1,2-Dichloroethane       | 5.16 | 62  | 20685   | 1.512   | ug/L 100 |
| 29) 1,1,1-Trichloroethane    | 4.64 | 97  | 162714  | 8.024   | ug/L 98  |
| 30) Cyclohexane              | 4.70 | 56  | 73127   | 3.790   | ug/L 100 |
| 33) Benzene                  | 5.13 | 78  | 136976  | 3.090   | ug/L 100 |
| 34) Trichloroethene          | 5.94 | 95  | 14057   | 1.083   | ug/L 97  |
| 42) Toluene                  | 7.42 | 91  | 4153    | 0.081   | ug/L 97  |
| 47) 1,1,2-Trichloroethane    | 7.86 | 97  | 19817   | 2.546   | ug/L 98  |
| 53) Chlorobenzene            | 8.90 | 112 | 463743  | 14.436  | ug/L 98  |
| 56) o-xylene                 | 9.57 | 106 | 42635   | 2.118   | ug/L 99  |

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| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 58) Isopropylbenzene       | 9.95  | 105  | 24390    | 0.440 | ug/L  | 98       |
| 63) 1,3-Dichlorobenzene    | 11.21 | 146  | 32944    | 1.315 | ug/L  | 99       |
| 64) 1,4-Dichlorobenzene    | 11.30 | 146  | 64932    | 2.551 | ug/L  | 99       |
| 66) 1,2-Dichlorobenzene    | 11.67 | 146  | 30309    | 1.334 | ug/L  | 99       |
| 69) 1,2,4-trichlorobenzene | 13.29 | 180  | 5968     | 0.360 | ug/L  | 97       |
| 71) 1,2,3-Trichlorobenzene | 13.77 | 180  | 2082     | 0.154 | ug/L  | 94       |

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

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