

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\  
 Data File : VV016878.D  
 Acq On : 12 Jun 2020 14:50  
 Operator : SY/MD  
 Sample : L2947-01  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFXE0

Quant Time: Jun 13 02:13:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 13 01:34:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 203942   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 195371   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 100171   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 92771    | 64.47    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 128.94%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 67618    | 78.31    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 156.62%# |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 171005   | 70.77    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 141.54%# |
| 21) 2-Butanone-d5              | 3.89    | 46    | 152427   | 143.11   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 143.11%# |
| 24) Chloroform-d               | 4.37    | 84    | 211449   | 72.26    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 144.52%# |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 149778   | 75.25    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 150.50%# |
| 32) Benzene-d6                 | 5.07    | 84    | 398763   | 70.81    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 141.62%# |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 123931   | 70.59    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 141.18%# |
| 41) Toluene-d8                 | 7.34    | 98    | 370479   | 71.69    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 143.38%# |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 64106    | 70.11    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 140.22%# |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 99221    | 129.64   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 129.64%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 168058   | 72.31    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 144.62%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 160951   | 75.29    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 150.58%# |

## Target Compounds

|                              |       |     |         |          | Ovalue    |
|------------------------------|-------|-----|---------|----------|-----------|
| 5) Vinyl chloride            | 1.32  | 62  | 14415   | 9.914    | ug/L 92   |
| 8) Chloroethane              | 1.58  | 64  | 10679   | 14.868   | ug/L 95   |
| 12) 1,1-Dichloroethene       | 2.13  | 96  | 68759   | 67.929   | ug/L 96   |
| 17) trans-1,2-Dichloroethene | 2.78  | 96  | 2381    | 1.725    | ug/L 73   |
| 19) 1,1-Dichloroethane       | 3.21  | 63  | 1839982 | 708.278  | ug/L 99   |
| 20) cis-1,2-Dichloroethene   | 3.94  | 96  | 22599   | 15.020   | ug/L 99   |
| 30) 1,1,1-Trichloroethane    | 4.63  | 97  | 6043444 | 2425.581 | ug/L 99   |
| 33) Benzene                  | 5.12  | 78  | 21759   | 3.764    | ug/L 100  |
| 34) Trichloroethene          | 5.94  | 95  | 2023    | 1.305    | ug/L 85   |
| 42) Toluene                  | 7.41  | 91  | 7732    | 1.269    | ug/L 99   |
| 45) 1,1,2-Trichloroethane    | 7.87  | 97  | 1583    | 1.091    | ug/L 78   |
| 51) Chlorobenzene            | 8.90  | 112 | 31922   | 8.029    | ug/L 98   |
| 54) o-xylene                 | 9.56  | 106 | 1568    | 0.633    | ug/L 66   |
| 56) Isopropylbenzene         | 9.95  | 105 | 3686    | 0.553    | ug/L # 92 |
| 63) 1,4-Dichlorobenzene      | 11.30 | 146 | 2489    | 0.771    | ug/L # 80 |
| 65) 1,2-Dichlorobenzene      | 11.67 | 146 | 12184   | 3.832    | ug/L 97   |

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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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