

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\  
 Data File : VV018448.D  
 Acq On : 25 Sep 2020 12:23  
 Operator : SY/MD  
 Sample : L4109-17  
 Misc : 5.87g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 26 00:52:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 25 23:36:18 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 410355   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.88  | 117  | 400427   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 199998   | 50.00 | ug/L  | 0.02     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 96785    | 28.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 57.88%# |
| 7) Chloroethane-d5             | 1.58    | 69    | 83307    | 30.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 60.88%# |
| 11) 1,1-Dichloroethene-d2      | 2.10    | 63    | 122380   | 19.95    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 39.90%# |
| 21) 2-Butanone-d5              | 3.94    | 46    | 110261m  | 53.87    | ug/L | 0.03    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 53.87%  |
| 24) Chloroform-d               | 4.38    | 84    | 211282   | 36.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 72.82%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 141148   | 37.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 75.90%  |
| 32) Benzene-d6                 | 5.07    | 84    | 444687   | 38.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 77.58%  |
| 36) 1,2-Dichloropropane-d6     | 6.10    | 67    | 146789   | 40.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 80.60%  |
| 41) Toluene-d8                 | 7.34    | 98    | 423625   | 40.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.10%  |
| 43) trans-1,3-Dichloropropene- | 7.65    | 79    | 73612    | 39.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.54%  |
| 47) 2-Hexanone-d5              | 8.16    | 63    | 140332   | 101.71   | ug/L | 0.05    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 101.71% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 212698   | 46.53    | ug/L | 0.04    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.06%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.66   | 152   | 181497   | 44.19    | ug/L | 0.01    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.38%  |

## Target Compounds

|                            |       |     |           |               | Ovalue |
|----------------------------|-------|-----|-----------|---------------|--------|
| 19) 1,1-Dichloroethane     | 3.21  | 63  | 7870      | 1.499 ug/L    | 96     |
| 20) cis-1,2-Dichloroethene | 3.94  | 96  | 14299     | 4.817 ug/L    | 96     |
| 29) Cyclohexane            | 4.69  | 56  | 178650    | 38.636 ug/L   | 100    |
| 30) 1,1,1-Trichloroethane  | 4.63  | 97  | 337541    | 72.635 ug/L   | 99     |
| 35) Methylcyclohexane      | 6.15  | 83  | 15029     | 3.201 ug/L    | 92     |
| 42) Toluene                | 7.41  | 91  | 20241334m | 1670.658 ug/L |        |
| 46) Tetrachloroethene      | 8.00  | 164 | 22749     | 9.303 ug/L    | 97     |
| 51) Chlorobenzene          | 8.91  | 112 | 60347     | 7.670 ug/L    | 97     |
| 52) Ethylbenzene           | 9.04  | 91  | 6283094   | 475.003 ug/L  | 97     |
| 53) m,p-Xylene             | 9.17  | 106 | 10944024m | 2216.641 ug/L |        |
| 54) o-xylene               | 9.58  | 106 | 6129285   | 1288.623 ug/L | 84     |
| 55) Styrene                | 9.58  | 104 | 311420    | 37.669 ug/L   | # 1    |
| 56) Isopropylbenzene       | 9.96  | 105 | 7119948   | 555.419 ug/L  | 98     |
| 62) 1,3-Dichlorobenzene    | 11.23 | 146 | 14901     | 2.506 ug/L    | # 24   |
| 63) 1,4-Dichlorobenzene    | 11.31 | 146 | 36078     | 5.902 ug/L    | # 71   |
| 65) 1,2-Dichlorobenzene    | 11.68 | 146 | 327322    | 54.452 ug/L   | 97     |
| 68) 1,2,4-trichlorobenzene | 13.29 | 180 | 40317     | 9.657 ug/L    | # 59   |

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QLast Update : Fri Sep 25 23:36:18 2020  
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|----------------------------|-------|------|----------|-------|--------|----------|
| 70) 1,2,3-Trichlorobenzene | 13.77 | 180  | 12776    | 3.107 | ug/L # | 38       |

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

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