

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\  
 Data File : VV015350.D  
 Acq On : 01 Apr 2020 23:29  
 Operator : SY/MD  
 Sample : L2005-02 20X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0DE2

Quant Time: Apr 02 06:35:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM040120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 02 03:22:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 662617   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 632130   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 288513   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 160335   | 26.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 53.98%# |
| 7) Chloroethane-d5             | 1.58    | 69    | 164475   | 32.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 64.82%# |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 255684   | 24.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 48.16%# |
| 21) 2-Butanone-d5              | 3.94    | 46    | 294310   | 93.20    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.20%  |
| 24) Chloroform-d               | 4.38    | 84    | 374651   | 38.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 76.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 249301   | 40.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.60%  |
| 32) Benzene-d6                 | 5.07    | 84    | 738329   | 37.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 75.86%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 235064   | 40.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 81.90%  |
| 41) Toluene-d8                 | 7.34    | 98    | 679609   | 36.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 73.02%# |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 107044   | 33.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.50%  |
| 47) 2-Hexanone-d5              | 8.12    | 63    | 233716   | 89.16    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 89.16%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 362590   | 44.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 281476   | 42.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.78%  |

## Target Compounds

|                            |       |     |         |         | Ovalue   |
|----------------------------|-------|-----|---------|---------|----------|
| 33) Benzene                | 5.13  | 78  | 32135   | 1.718   | ug/L 100 |
| 51) Chlorobenzene          | 8.90  | 112 | 1020572 | 74.888  | ug/L 98  |
| 62) 1,3-Dichlorobenzene    | 11.21 | 146 | 61161   | 6.297   | ug/L 99  |
| 63) 1,4-Dichlorobenzene    | 11.30 | 146 | 276946  | 28.114  | ug/L 98  |
| 65) 1,2-Dichlorobenzene    | 11.67 | 146 | 1507021 | 152.121 | ug/L 99  |
| 68) 1,2,4-trichlorobenzene | 13.29 | 180 | 358079  | 60.900  | ug/L 99  |
| 70) 1,2,3-Trichlorobenzene | 13.77 | 180 | 78334   | 12.933  | ug/L 99  |

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

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