

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\  
 Data File : VU031261.D  
 Acq On : 17 Apr 2019 15:50  
 Operator : JC/SP  
 Sample : K2455-02 5X  
 Misc : 5.02g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAHQ4

Quant Time: Apr 18 06:06:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM041719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 18 04:50:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 627266   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 622351   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 325109   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 176467   | 30.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 61.10%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 153430   | 30.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 61.18%# |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 253645   | 22.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 44.32%# |
| 21) 2-Butanone-d5              | 4.20    | 46    | 350266   | 83.25    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 83.25%  |
| 24) Chloroform-d               | 4.64    | 84    | 343236   | 35.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 71.22%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 221759   | 37.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 74.72%  |
| 32) Benzene-d6                 | 5.33    | 84    | 704842   | 35.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 71.66%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 220964   | 34.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 69.20%# |
| 41) Toluene-d8                 | 7.56    | 98    | 616573   | 35.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 71.22%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 102793   | 33.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.36%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 239766   | 79.54    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 79.54%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 315816   | 35.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 71.26%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 259725   | 34.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 69.66%# |

| Target Compounds |      |     |        |             | Ovalue |
|------------------|------|-----|--------|-------------|--------|
| 52) Ethylbenzene | 9.25 | 91  | 19960  | 0.881 ug/L  | 98     |
| 53) m,p-Xylene   | 9.37 | 106 | 76207  | 9.527 ug/L  | 97     |
| 54) o-xylene     | 9.78 | 106 | 91498  | 11.295 ug/L | 96     |
| 55) Styrene      | 9.79 | 104 | 243132 | 17.781 ug/L | 96     |

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

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