

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110719\  
 Data File : VU035672.D  
 Acq On : 07 Nov 2019 20:08  
 Operator : JC/SP  
 Sample : K5739-02 100X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0CQ9

Quant Time: Nov 08 07:28:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM103119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 08 06:13:27 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 710212   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 698633   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 273616   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62    | 65    | 273536   | 47.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 95.38%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 227774   | 49.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 99.44%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 323301   | 36.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.48%  |
| 21) 2-Butanone-d5              | 4.69    | 46    | 343599   | 102.55   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.55% |
| 24) Chloroform-d               | 5.11    | 84    | 434549   | 49.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.10%  |
| 26) 1,2-Dichloroethane-d4      | 5.75    | 65    | 273428   | 50.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.76% |
| 32) Benzene-d6                 | 5.77    | 84    | 927437   | 50.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.86% |
| 36) 1,2-Dichloropropane-d6     | 6.74    | 67    | 300784   | 50.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.86% |
| 41) Toluene-d8                 | 7.93    | 98    | 854632   | 49.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.50%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 136035   | 50.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 100.02% |
| 47) 2-Hexanone-d5              | 8.68    | 63    | 232675   | 102.80   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 102.80% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79   | 84    | 406560   | 48.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.82%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 287868   | 52.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.32% |

## Target Compounds

|                            |       |     |         |         | Ovalue   |
|----------------------------|-------|-----|---------|---------|----------|
| 33) Benzene                | 5.82  | 78  | 841870  | 42.877  | ug/L 100 |
| 51) Chlorobenzene          | 9.48  | 112 | 2414897 | 175.782 | ug/L 99  |
| 62) 1,3-Dichlorobenzene    | 11.77 | 146 | 95754   | 11.093  | ug/L 97  |
| 63) 1,4-Dichlorobenzene    | 11.86 | 146 | 855787  | 97.595  | ug/L 99  |
| 65) 1,2-Dichlorobenzene    | 12.24 | 146 | 1153017 | 131.210 | ug/L 99  |
| 68) 1,2,4-trichlorobenzene | 13.86 | 180 | 49482   | 14.813  | ug/L 99  |
| 70) 1,2,3-Trichlorobenzene | 14.35 | 180 | 14581   | 4.051   | ug/L 94  |

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

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