

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081119\  
 Data File : VU033749.D  
 Acq On : 11 Aug 2019 14:02  
 Operator : JC/SP  
 Sample : K4202-18RE  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F2B45RE

Manual Integrations  
 APPROVED

MMDadoda  
 8/12/2019 12:01:14 PM

Quant Time: Aug 12 05:42:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Aug 12 04:45:27 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 276316   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 274407   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 123757   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 34790    | 17.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 34.20%# |
| 7) Chloroethane-d5             | 1.67    | 69    | 43148    | 21.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 42.32%# |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 53019    | 15.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 31.00%# |
| 21) 2-Butanone-d5              | 4.15    | 46    | 145784   | 115.61   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 115.61% |
| 24) Chloroform-d               | 4.62    | 84    | 126488   | 41.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.72%  |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 82813    | 43.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.66%  |
| 32) Benzene-d6                 | 5.32    | 84    | 193788   | 29.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 59.84%# |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 80605    | 40.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 81.12%  |
| 41) Toluene-d8                 | 7.55    | 98    | 148365   | 24.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 48.72%# |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 31034    | 30.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.84%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 97644    | 94.86    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.86%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 158697   | 53.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 107.96% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 91676    | 44.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.02%  |

| Target Compounds           |      |    |       | Ovalue     |
|----------------------------|------|----|-------|------------|
| 20) cis-1,2-Dichloroethene | 4.21 | 96 | 4601m | 2.316 ug/L |

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

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