

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\  
 Data File : VU026045.D  
 Acq On : 10 Aug 2018 15:55  
 Operator : MD/SY  
 Sample : J4361-24DL 20X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A4ZA7DL

Manual Integrations  
 APPROVED

MMDadoda  
 8/13/2018 11:54:44 AM

Quant Time: Aug 11 01:58:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 11 00:58:27 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 280070   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 261790   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 120572   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 74519    | 36.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 72.80%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 55811    | 34.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 68.78%# |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 108643   | 27.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 55.86%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 99505    | 58.32    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 58.32%  |
| 24) Chloroform-d               | 4.65    | 84    | 140632   | 32.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 64.78%# |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 93043    | 31.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 63.46%# |
| 32) Benzene-d6                 | 5.34    | 84    | 274099   | 33.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 67.44%# |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 84839    | 32.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 64.50%# |
| 41) Toluene-d8                 | 7.57    | 98    | 251160   | 32.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 64.58%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 39821    | 30.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 60.10%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 66534    | 55.69    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 55.69%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 113172   | 29.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 58.84%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 97953    | 32.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 65.92%# |

## Target Compounds

|                            |       |     |        |            | Ovalue |
|----------------------------|-------|-----|--------|------------|--------|
| 13) Acetone                | 2.32  | 43  | 5610   | 5.29 ug/L  | 99     |
| 22) 2-Butanone             | 4.28  | 43  | 4806m  | 3.13 ug/L  |        |
| 51) Chlorobenzene          | 9.12  | 112 | 336932 | 63.14 ug/L | 99     |
| 62) 1,3-Dichlorobenzene    | 11.42 | 146 | 22144  | 5.90 ug/L  | 94     |
| 63) 1,4-Dichlorobenzene    | 11.51 | 146 | 202067 | 51.35 ug/L | 99     |
| 65) 1,2-Dichlorobenzene    | 11.88 | 146 | 221538 | 55.45 ug/L | 98     |
| 68) 1,2,4-trichlorobenzene | 13.51 | 180 | 104600 | 44.09 ug/L | 97     |
| 70) 1,2,3-Trichlorobenzene | 13.99 | 180 | 25216  | 9.89 ug/L  | 93     |

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

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