

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\  
 Data File : VU031551.D  
 Acq On : 26 Apr 2019 23:30  
 Operator : JC/SP  
 Sample : K2592-02 50X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XG7

Manual Integrations  
 APPROVED

MMDadoda  
 4/29/2019 10:20:33 AM

Quant Time: Apr 27 03:55:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 27 03:26:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 878020   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 794389   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 316470   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 379308   | 51.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 103.24% |
| 7) Chloroethane-d5             | 1.68    | 69    | 287696m  | 50.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 101.32% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 536629m  | 36.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.34%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 668589   | 100.42   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.42% |
| 24) Chloroform-d               | 4.64    | 84    | 627049   | 46.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.18%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 415485   | 47.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.50%  |
| 32) Benzene-d6                 | 5.34    | 84    | 1285775  | 52.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.42% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 446429   | 52.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 104.04% |
| 41) Toluene-d8                 | 7.56    | 98    | 1077426  | 50.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.42% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 179515   | 48.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.46%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 425772   | 114.62   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 114.62% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 559063   | 48.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.08%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 349448   | 52.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.02% |

Target Compounds Ovalue

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

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