

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\  
 Data File : VU034761.D  
 Acq On : 24 Sep 2019 02:24  
 Operator : JC/SP  
 Sample : K4932-18  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFDE9

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2019 12:48:52 PM

Quant Time: Sep 24 06:46:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 24 03:36:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 498190   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 481026   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 231177   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 199804   | 39.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.36%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 171745   | 43.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.14%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 282497m  | 32.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.42%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 464131   | 118.74   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 118.74% |
| 24) Chloroform-d               | 4.62    | 84    | 363919   | 49.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.16%  |
| 26) 1,2-Dichloroethane-d4      | 5.28    | 65    | 267278   | 49.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.08%  |
| 32) Benzene-d6                 | 5.32    | 84    | 738083   | 49.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 267817   | 51.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.78% |
| 41) Toluene-d8                 | 7.54    | 98    | 706550   | 49.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.62%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 115457   | 46.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.52%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 300674   | 114.88   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 114.88% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 363231   | 50.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.46% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 256613   | 52.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.88% |

## Target Compounds

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 5) Vinyl chloride          | 1.40  | 62   | 6369m    | 1.134  | ug/L   |        |
| 13) Acetone                | 2.31  | 43   | 149685   | 32.920 | ug/L   | 100    |
| 15) Methyl Acetate         | 2.61  | 43   | 6944     | 1.143  | ug/L # | 72     |
| 16) Methylene chloride     | 2.68  | 84   | 241141   | 58.404 | ug/L   | 99     |
| 20) cis-1,2-Dichloroethene | 4.20  | 96   | 11356    | 2.725  | ug/L   | 99     |
| 22) 2-Butanone             | 4.25  | 43   | 49654    | 9.179  | ug/L   | 99     |
| 29) Cyclohexane            | 4.97  | 56   | 32113    | 4.045  | ug/L   | 99     |
| 33) Benzene                | 5.37  | 78   | 140385   | 8.415  | ug/L   | 100    |
| 35) Methylcyclohexane      | 6.39  | 83   | 28028    | 4.009  | ug/L   | 98     |
| 42) Toluene                | 7.61  | 91   | 269312   | 14.937 | ug/L   | 96     |
| 52) Ethylbenzene           | 9.23  | 91   | 361468   | 17.803 | ug/L   | 99     |
| 53) m,p-Xylene             | 9.35  | 106  | 217512   | 30.247 | ug/L   | 97     |
| 54) o-xylene               | 9.76  | 106  | 209898   | 29.510 | ug/L   | 99     |
| 56) Isopropylbenzene       | 10.14 | 105  | 55882    | 2.914  | ug/L   | 99     |
| 65) 1,2-Dichlorobenzene    | 11.86 | 146  | 58074    | 7.179  | ug/L   | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\  
Data File : VU034761.D  
Acq On : 24 Sep 2019 02:24  
Operator : JC/SP  
Sample : K4932-18  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFDE9

Manual Integrations  
APPROVED

MMDadoda  
9/24/2019 12:48:52 PM

Quant Time: Sep 24 06:46:17 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091919WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Sep 24 03:36:55 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\  
Data File : VU034761.D  
Acq On : 24 Sep 2019 02:24  
Operator : JC/SP  
Sample : K4932-18  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFDE9

Manual Integrations  
APPROVED

MMDadoda  
9/24/2019 12:48:52 PM

Quant Time: Sep 24 06:46:17 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091919WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Sep 24 03:36:55 2019  
Response via : Initial Calibration

