

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040119\  
 Data File : VU030597.D  
 Acq On : 31 Mar 2019 17:58  
 Operator : JC/SP  
 Sample : K2167-01ME  
 Misc : 4.87g/5.0ml/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF2L9ME

Quant Time: Apr 01 03:51:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Apr 01 02:05:14 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 457337   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 461034   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 208951   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 138939   | 37.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 75.50% |
| 7) Chloroethane-d5             | 1.64    | 69    | 109713   | 37.61    | ug/L | -0.03  |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 75.22% |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 218752   | 31.33    | ug/L | -0.04  |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.66% |
| 21) 2-Butanone-d5              | 4.20    | 46    | 291546   | 84.26    | ug/L | 0.02   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 84.26% |
| 24) Chloroform-d               | 4.64    | 84    | 265934   | 41.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.88% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 189915   | 45.77    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.54% |
| 32) Benzene-d6                 | 5.33    | 84    | 560086   | 42.36    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.72% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 199292   | 44.06    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 88.12% |
| 41) Toluene-d8                 | 7.56    | 98    | 486050   | 40.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.86% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 87031    | 40.92    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 81.84% |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 215208   | 87.79    | ug/L | 0.01   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 87.79% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 307623   | 47.52    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.04% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 194400   | 46.43    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.86% |

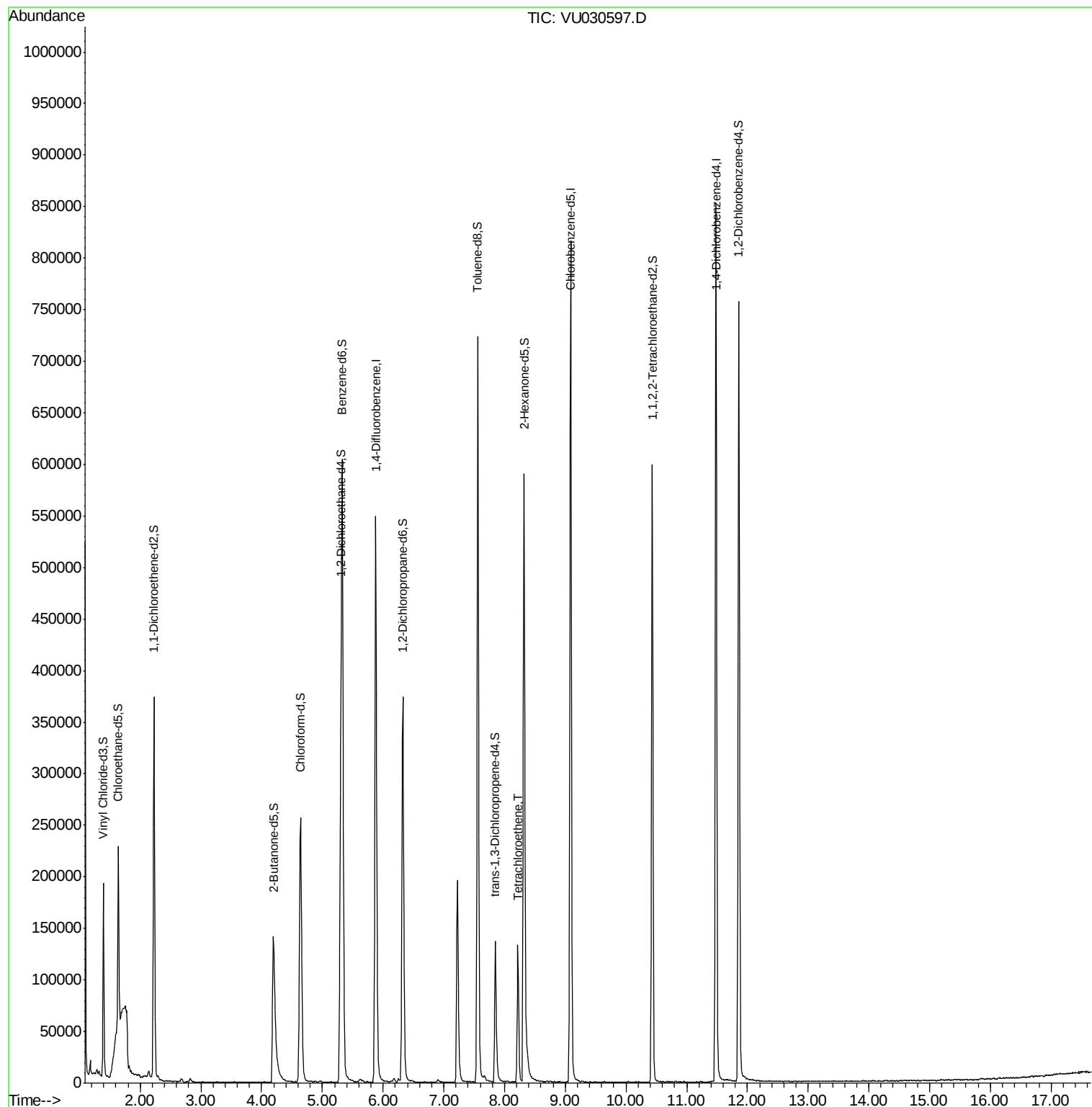
| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 46) Tetrachloroethene | 8.22 | 164 | 30394 | 11.279 ug/L | 95     |

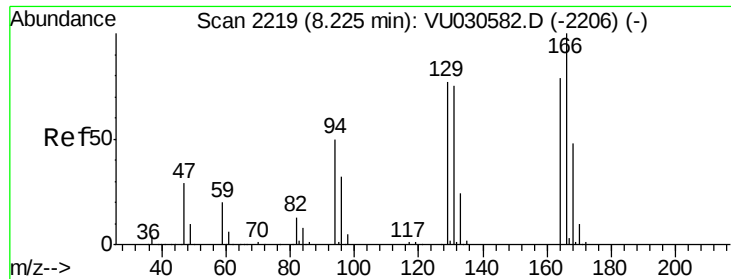
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#46

Tetrachloroethene

Concen: 11.279 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030597.D

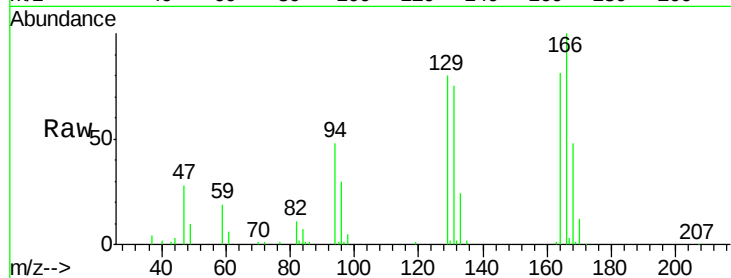
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Instrument :

MSVOA\_U

ClientSampleId :

BF2L9ME



Tot Ion:164 Resp: 30394

Ion Ratio Lower Upper

164 100

129 98.7 68.1 126.5

131 92.4 67.7 125.7

166 123.0 92.4 171.6

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

