

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032119\  
 Data File : VU030291.D  
 Acq On : 22 Mar 2019 01:05  
 Operator : JC/SP  
 Sample : K2048-01  
 Misc : 5.90g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF0F2

Manual Integrations  
 APPROVED

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 3/22/2019 1:07:52 PM

Quant Time: Mar 22 06:59:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 22 05:14:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 537843   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 546453   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 280707   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 158868   | 43.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.36%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 72660    | 24.99    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 49.98%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 219267m  | 33.05    | ug/L | -0.05   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.10%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 272911   | 101.15   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.15% |
| 24) Chloroform-d               | 4.64    | 84    | 302241   | 45.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.56%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 183794   | 48.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.56%  |
| 32) Benzene-d6                 | 5.33    | 84    | 649747   | 45.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.24%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 206722   | 46.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.80%  |
| 41) Toluene-d8                 | 7.56    | 98    | 579597   | 42.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.62%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 93036    | 42.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.76%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 239664   | 103.72   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.72% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 345744   | 50.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 101.18% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 264836   | 46.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.98%  |

| Target Compounds    |      |    |      |            | Ovalue |
|---------------------|------|----|------|------------|--------|
| 34) Trichloroethene | 6.19 | 95 | 6938 | 1.670 ug/L | 97     |

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

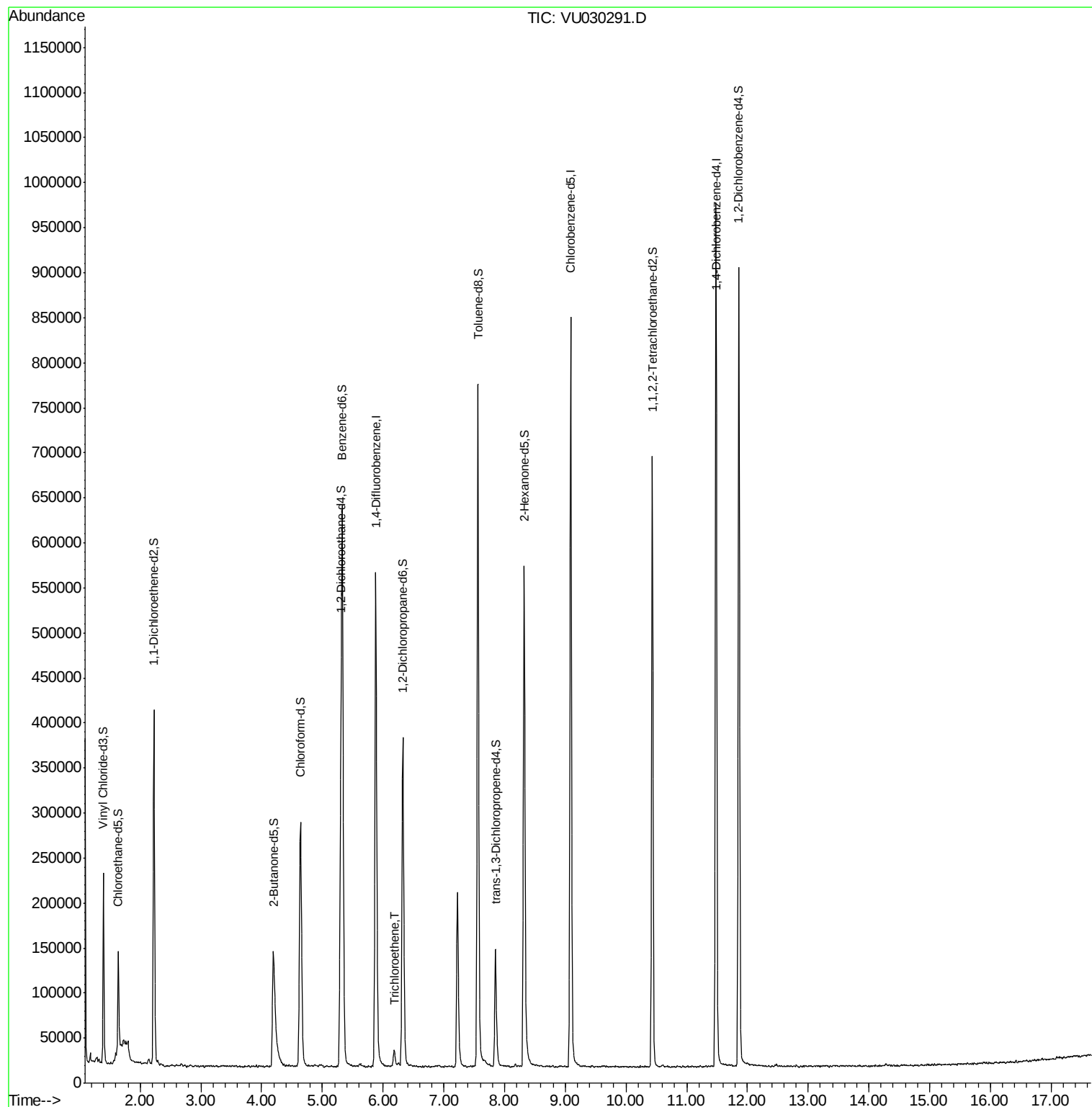
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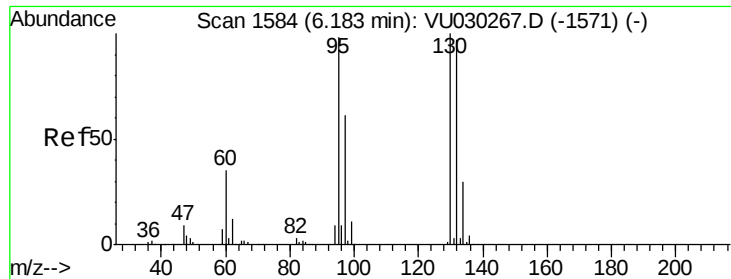
Instrument :  
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Quant Title : VOC Analysis  
QLast Update : Fri Mar 22 05:14:44 2019  
Response via : Initial Calibration





#34  
 Trichloroethene  
 Concen: 1.670 ug/L  
 RT: 6.19 min Scan# 1585  
 Delta R.T. 0.00 min  
 Lab File: VU030291.D  
 Acq: 22 Mar 2019 01:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF0F2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 95    | Resp: | 6938  |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 97        | 60.9  | 46.2  | 85.8  |
| 132       | 96.4  | 69.3  | 128.7 |
| 130       | 106.5 | 73.6  | 136.6 |

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