

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101019\  
 Data File : VV013097.D  
 Acq On : 10 Oct 2019 18:01  
 Operator : SY/MD  
 Sample : K5265-05  
 Misc : 7.69G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBAR4

Quant Time: Oct 11 08:22:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 11 07:31:01 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 670647   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 687042   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 310065   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 166723   | 16.02    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.08% |
| 7) Chloroethane-d5             | 1.58   | 69    | 170465   | 20.26    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.04% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 246902   | 14.27    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.08% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 126418   | 35.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.38% |
| 24) Chloroform-d               | 4.40   | 84    | 394881   | 21.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.72% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 220767   | 20.61    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 82.44% |
| 29) Benzene-d6                 | 5.10   | 84    | 769370   | 20.06    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 80.24% |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 257618   | 21.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 85.72% |
| 37) Toluene-d8                 | 7.36   | 98    | 656342   | 18.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 75.40% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 91140    | 17.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 71.60% |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 82354    | 34.04    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.08% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 215592   | 18.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 75.52% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 271648   | 22.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.20% |

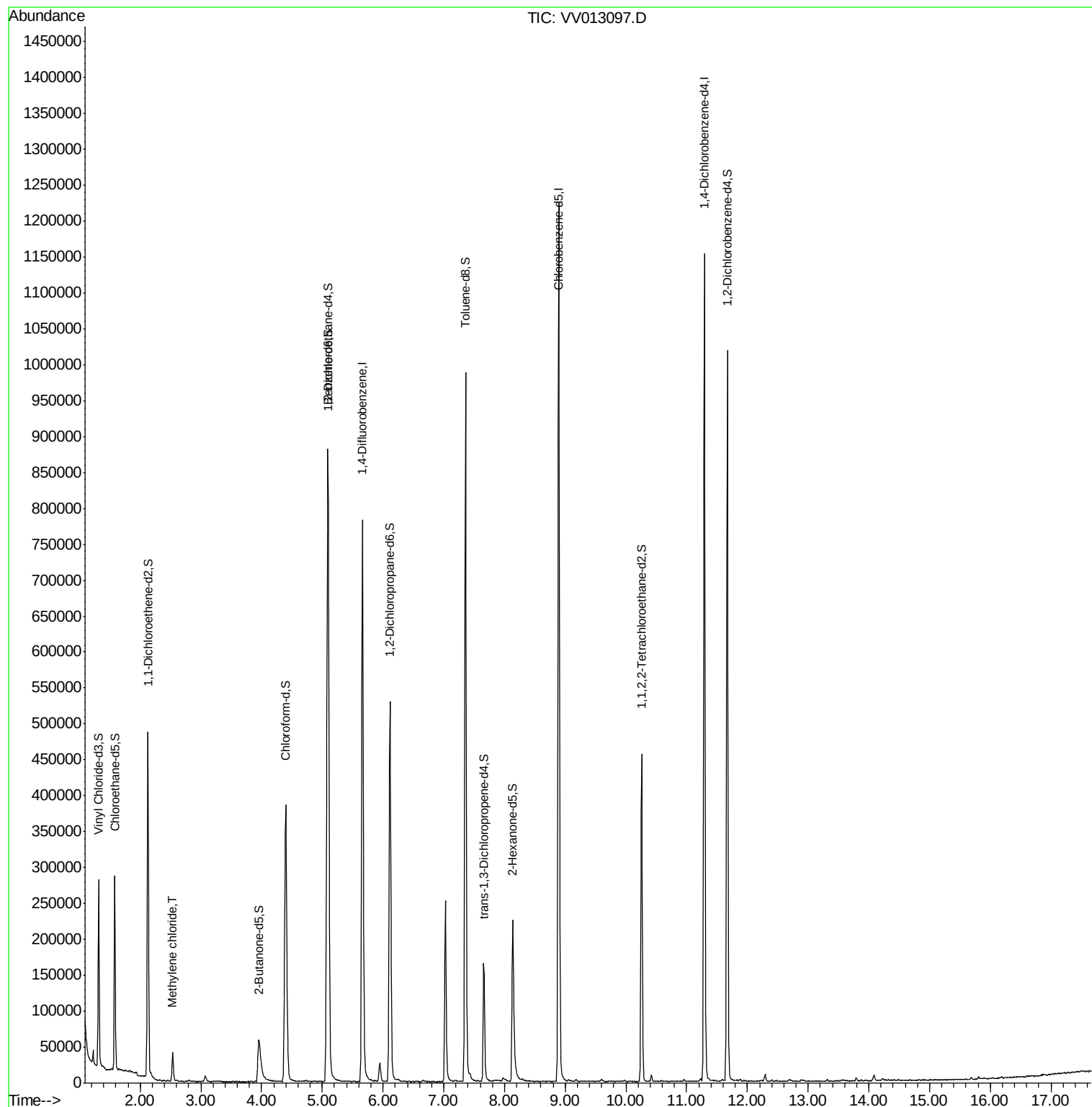
| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 16) Methylene chloride | 2.53 | 84 | 15930 | 1.589 ug/L | 94     |

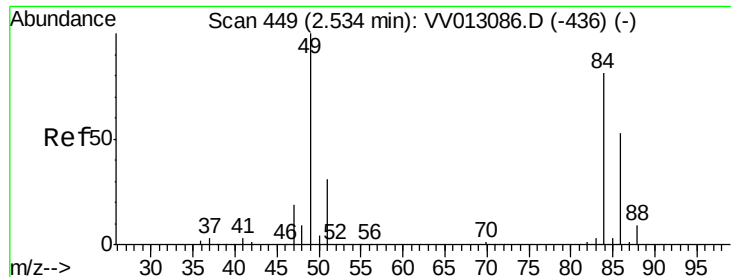
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Oct 11 07:31:01 2019  
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#16  
Methylene chloride  
Concen: 1.589 ug/L  
RT: 2.53 min Scan# 449  
Delta R.T. 0.00 min  
Lab File: VV013097.D  
Acq: 10 Oct 2019 18:01

Instrument :  
MSVOA\_V  
ClientSampleId :  
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Tot Ion: 84 Resp: 15930  
Ion Ratio Lower Upper  
84 100  
49 132.2 88.3 164.1  
86 70.4 44.9 83.3

