

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041019\  
 Data File : VV010230.D  
 Acq On : 11 Apr 2019 00:27  
 Operator : SY/MD  
 Sample : K2277-04  
 Misc : 5.10G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 08:51:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 11 07:05:16 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 277831   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 272018   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 122667   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

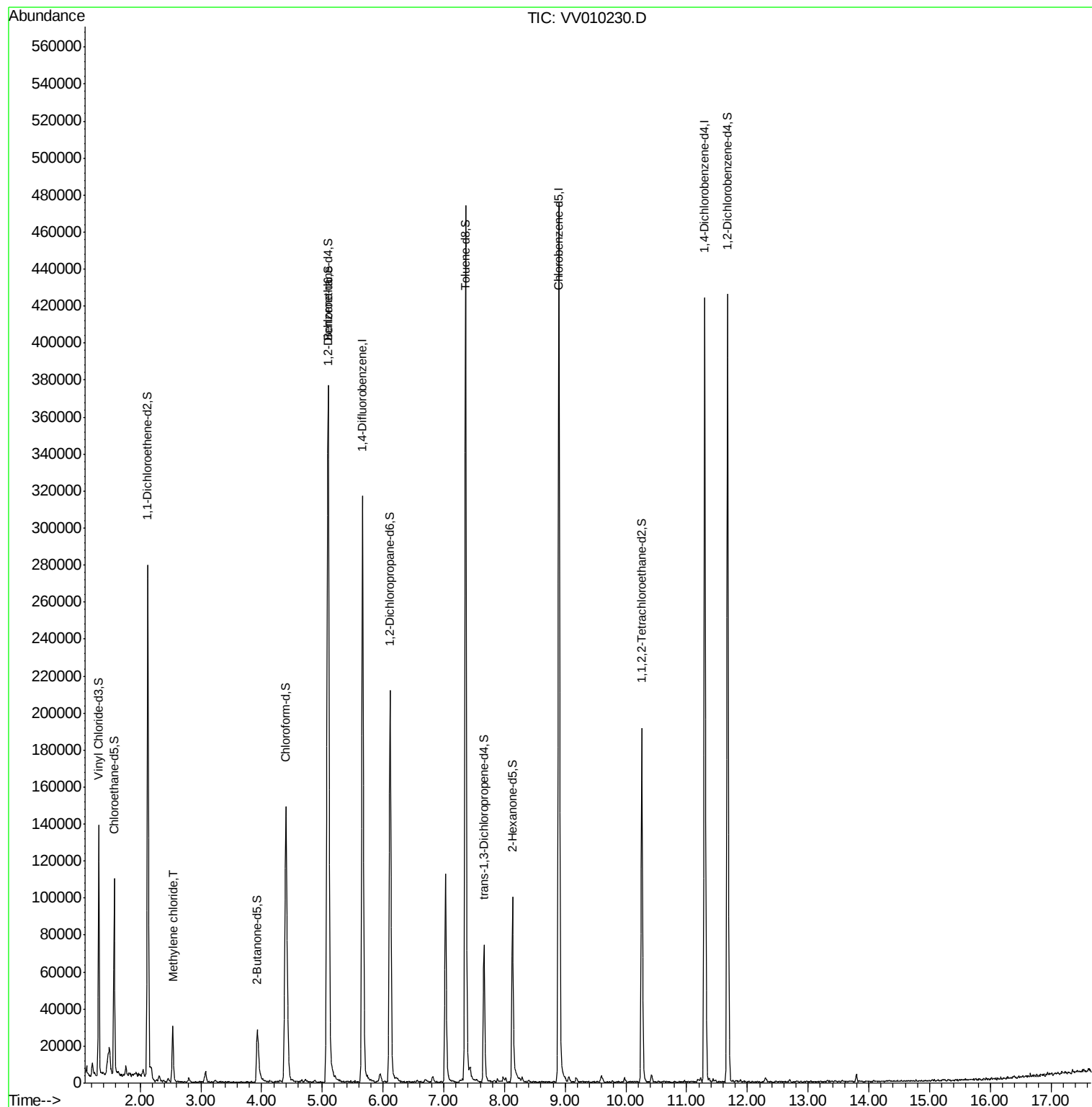
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 71528    | 22.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.48%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 68000    | 24.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.96%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 142156   | 17.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 69.84%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 42463    | 52.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.94% |
| 24) Chloroform-d               | 4.40   | 84    | 142834   | 22.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.04%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 95752    | 26.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 106.00% |
| 29) Benzene-d6                 | 5.10   | 84    | 331968   | 25.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 101.24% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 98391    | 25.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.88% |
| 37) Toluene-d8                 | 7.36   | 98    | 316451   | 24.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.96%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 39092    | 24.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 96.12%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 31545    | 46.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.64%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 84367    | 24.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.36%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 117182   | 25.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.48% |

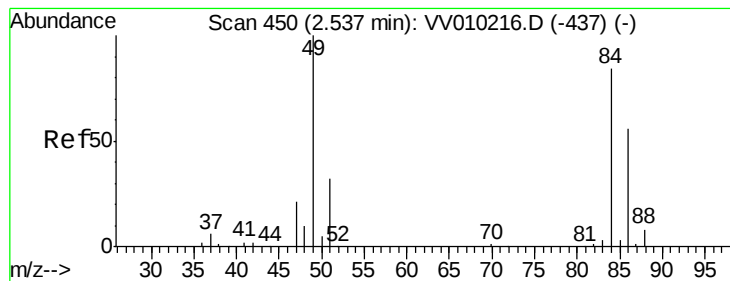
| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 16) Methylene chloride | 2.54 | 84 | 12175 | 2.238 ug/L | 97     |

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

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Quant Title : VOC Analysis  
QLast Update : Thu Apr 11 07:05:16 2019  
Response via : Initial Calibration





#16  
Methylene chloride  
Concen: 2.238 ug/L  
RT: 2.54 min Scan# 450  
Delta R.T. 0.00 min  
Lab File: VV010230.D  
Acq: 11 Apr 2019 00:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 12175 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.3 | 79.9  | 148.5 |
| 86       | 59.3  | 44.5  | 82.7  |

