

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122718\  
 Data File : VW007951.D  
 Acq On : 27 Dec 2018 05:27  
 Operator : SY/AP  
 Sample : J6506-15  
 Misc : 5.25G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BEZY5

Quant Time: Dec 27 07:40:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122618S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 27 03:06:17 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 86673    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 67565    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 19806    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 21147    | 24.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.04%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 14227    | 24.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.88%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 39956    | 17.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 69.12%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 3496     | 9.60     | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 19.20%# |
| 24) Chloroform-d               | 7.65   | 84    | 55608    | 24.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.48%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 35424    | 25.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.48% |
| 29) Benzene-d6                 | 8.27   | 84    | 100341   | 26.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 105.92% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 28757    | 27.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 111.60% |
| 37) Toluene-d8                 | 10.32  | 98    | 89532    | 24.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 97.00%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 9834     | 16.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 66.48%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 3657     | 13.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 27.74%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 20757    | 20.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 83.72%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 17233    | 21.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 86.16%  |

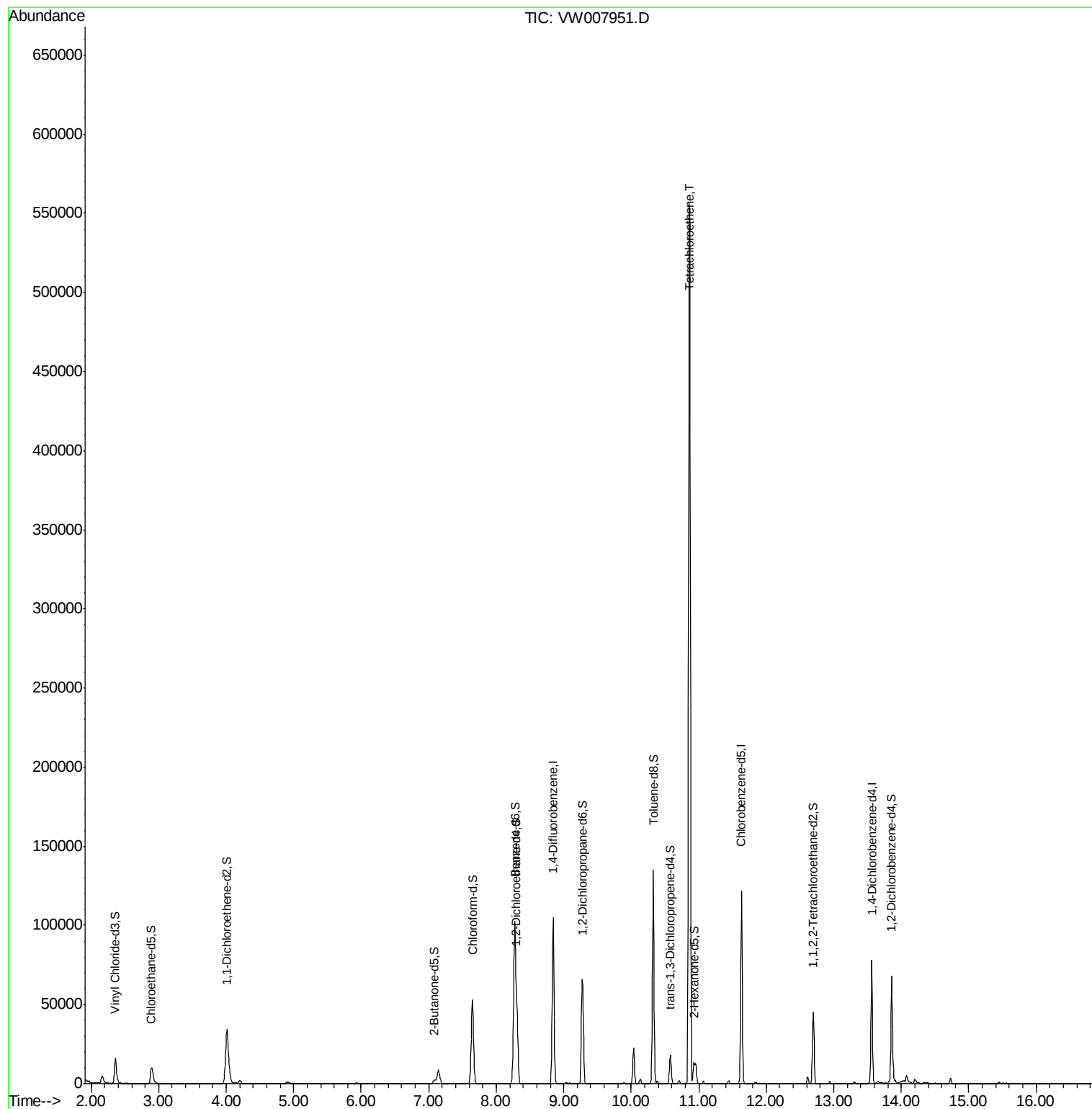
| Target Compounds      |       |     |        |              | Ovalue |
|-----------------------|-------|-----|--------|--------------|--------|
| 47) Tetrachloroethene | 10.87 | 164 | 121309 | 145.352 ug/L | 99     |

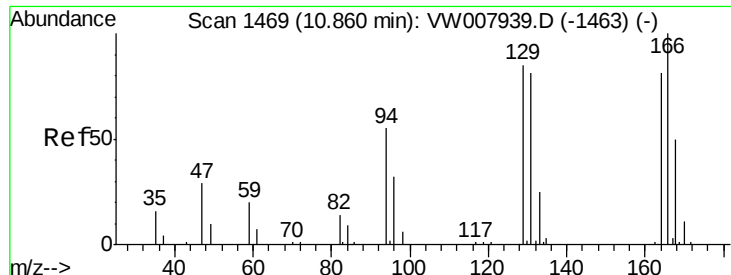
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#47

Tetrachloroethene

Concen: 145.352 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW007951.D

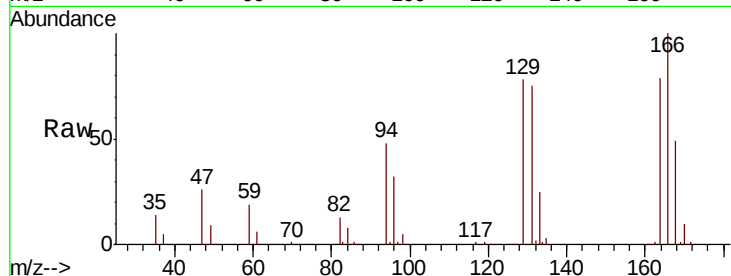
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Tot Ion:164 Resp: 121309

Ion Ratio Lower Upper

164 100

129 99.4 70.6 131.2

131 94.9 66.5 123.5

166 127.2 87.7 162.9

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

