

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\  
 Data File : VU025131.D  
 Acq On : 01 Jul 2018 09:46  
 Operator : MD/SY  
 Sample : J3789-08  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 57 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-8

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % of largest Peak  
 Start Thrs: 0.2 Max Peaks: 100  
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
 Title : SW846 8260

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.092       | 137           | 156         | 173          | rBV      | 219181         | 273953        | 8.04%           | 2.572%        |
| 2         | 1.182       | 174           | 184         | 199          | rVV      | 188142         | 197724        | 5.80%           | 1.856%        |
| 3         | 1.304       | 214           | 222         | 245          | rVB      | 3391040        | 3407480       | 100.00%         | 31.989%       |
| 4         | 1.458       | 250           | 270         | 272          | rBV2     | 49488          | 121776        | 3.57%           | 1.143%        |
| 5         | 2.439       | 566           | 575         | 584          | rBV      | 53151          | 90186         | 2.65%           | 0.847%        |
| 6         | 3.001       | 736           | 750         | 775          | rVB      | 226300         | 499903        | 14.67%          | 4.693%        |
| 7         | 4.889       | 1320          | 1337        | 1354         | rBV2     | 183692         | 421155        | 12.36%          | 3.954%        |
| 8         | 4.988       | 1354          | 1368        | 1395         | rVB      | 275083         | 613824        | 18.01%          | 5.763%        |
| 9         | 5.313       | 1454          | 1469        | 1488         | rBV      | 195447         | 418186        | 12.27%          | 3.926%        |
| 10        | 5.892       | 1634          | 1649        | 1670         | rBV      | 373430         | 736451        | 21.61%          | 6.914%        |
| 11        | 7.570       | 2157          | 2171        | 2186         | rBV      | 687943         | 1192316       | 34.99%          | 11.193%       |
| 12        | 9.091       | 2632          | 2644        | 2684         | rVB      | 535562         | 883611        | 25.93%          | 8.295%        |
| 13        | 9.377       | 2723          | 2733        | 2751         | rBV      | 20811          | 35377         | 1.04%           | 0.332%        |
| 14        | 10.310      | 3010          | 3023        | 3050         | rBV      | 516905         | 834741        | 24.50%          | 7.837%        |
| 15        | 11.487      | 3377          | 3389        | 3408         | rBV      | 586118         | 925195        | 27.15%          | 8.686%        |

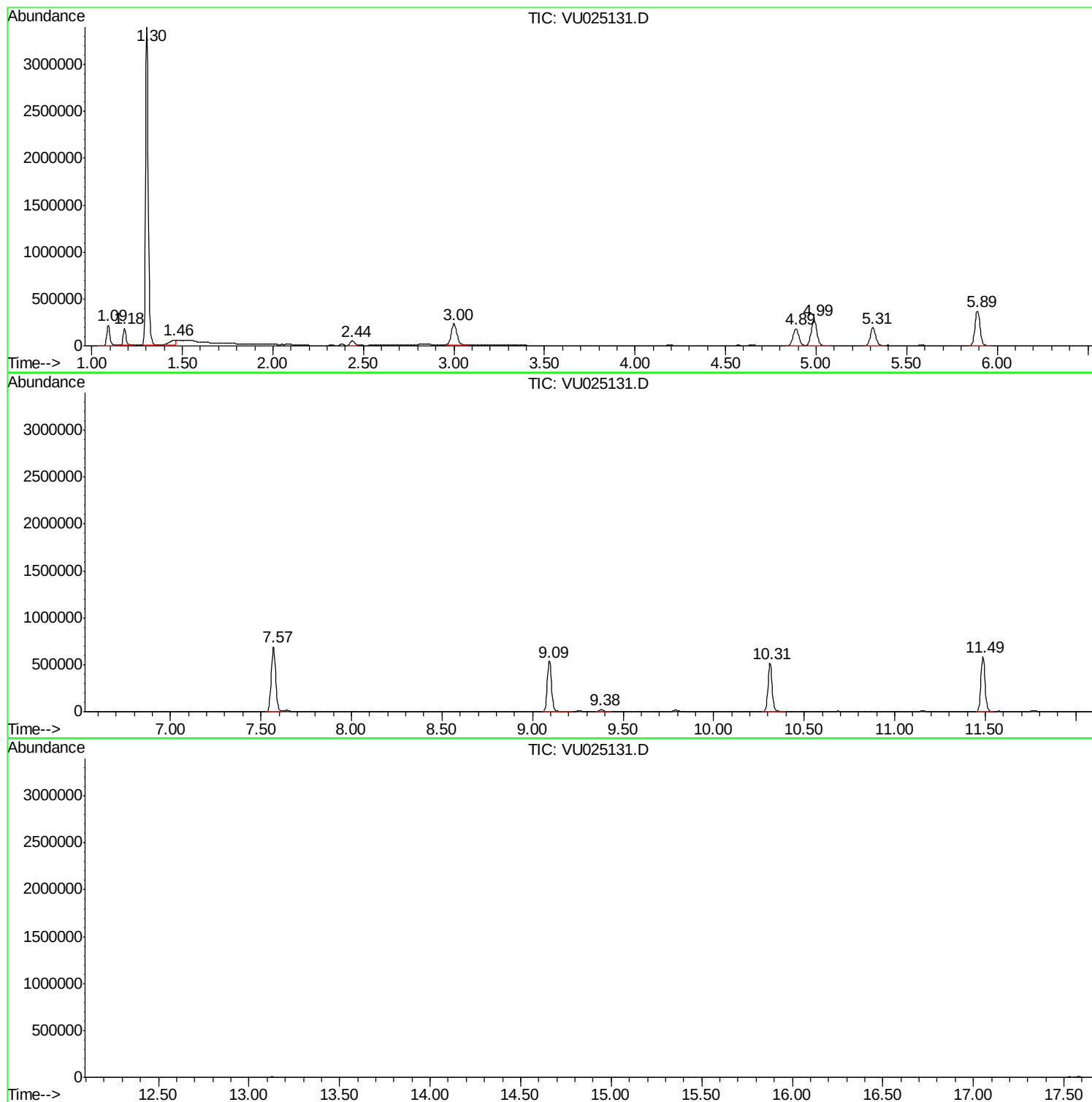
Sum of corrected areas: 10651878

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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 Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 3

| R.T.    | EstConc    | Area                   | Relative to ISTD   | R.T.           |
|---------|------------|------------------------|--------------------|----------------|
| 1.18    | 16.11 ug/l | 197724                 | Pentafluorobenzene | 4.99           |
| Hit# of | 5          | Tentative ID           | MW MolForm         | CAS# Qual      |
| 1       |            | Ethane, 1,1-difluoro-  | 66 C2H4F2          | 000075-37-6 91 |
| 2       |            | Propiolonitrile        | 51 C3HN            | 001070-71-9 3  |
| 3       |            | Propane, 2,2-difluoro- | 80 C3H6F2          | 000420-45-1 2  |
| 4       |            | Difluoromethane        | 52 CH2F2           | 000075-10-5 1  |
| 5       |            | 2-Chloroethanol        | 80 C2H5ClO         | 000107-07-3 1  |

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 Peak Number 2 Ethane, 1-chloro-1,1-difluoro- Concentration Rank 1

| R.T.    | EstConc     | Area                                | Relative to ISTD   | R.T.           |
|---------|-------------|-------------------------------------|--------------------|----------------|
| 1.30    | 277.56 ug/l | 3407480                             | Pentafluorobenzene | 4.99           |
| Hit# of | 4           | Tentative ID                        | MW MolForm         | CAS# Qual      |
| 1       |             | Ethane, 1-chloro-1,1-difluoro-      | 100 C2H3ClF2       | 000075-68-3 83 |
| 2       |             | Propane, 2,2-difluoro-              | 80 C3H6F2          | 000420-45-1 43 |
| 3       |             | Benzene, 1-nitro-2-(p-methylphen... | 247 C13H10FN03     | 028987-57-7 1  |
| 4       |             | Methanesulfinic acid                | 80 CH4O2S          | 017696-73-0 1  |

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 Peak Number 3 Sulfur dioxide Concentration Rank 4

| R.T.    | EstConc   | Area                                | Relative to ISTD   | R.T.           |
|---------|-----------|-------------------------------------|--------------------|----------------|
| 1.46    | 9.92 ug/l | 121776                              | Pentafluorobenzene | 4.99           |
| Hit# of | 5         | Tentative ID                        | MW MolForm         | CAS# Qual      |
| 1       |           | Sulfur dioxide                      | 64 O2S             | 007446-09-5 90 |
| 2       |           | 2-Aminoethyl hydrogen sulfate       | 141 C2H7NO4S       | 000926-39-6 74 |
| 3       |           | Aminomethanesulfonic acid           | 111 CH5NO3S        | 013881-91-9 64 |
| 4       |           | (N-(-2-Acetamido))-2-aminoethane... | 182 C4H10N2O4S     | 007365-82-4 9  |
| 5       |           | L-Alanine, 3-sulfo-                 | 169 C3H7NO5S       | 000498-40-8 9  |

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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Ethane, 1,1-diflu... | 1.18 | 16.1    | ug/l  | 197724   | 1                     | 4.99 | 613824 | 50.0 |
| Ethane, 1-chloro-... | 1.30 | 277.6   | ug/l  | 3407480  | 1                     | 4.99 | 613824 | 50.0 |
| Sulfur dioxide       | 1.46 | 9.9     | ug/l  | 121776   | 1                     | 4.99 | 613824 | 50.0 |