

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\  
 Data File : VW003959.D  
 Acq On : 16 Jul 2018 18:50  
 Operator : VA/AP  
 Sample : J3975-03  
 Misc : 5.47G/5ML/MSVOA W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PAR-6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W071618S.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         | 1.813       | 28            | 37          | 58           | rVB      | 2101563        | 4685116       | 100.00%         | 37.709%       |
| 2         | 10.330      | 1429          | 1434        | 1439         | rBV      | 28965          | 54295         | 1.16%           | 0.437%        |
| 3         | 12.902      | 1844          | 1856        | 1857         | rBV      | 303278         | 878731        | 18.76%          | 7.073%        |
| 4         | 13.347      | 1914          | 1929        | 1942         | rBV      | 665729         | 3167400       | 67.61%          | 25.494%       |
| 5         | 13.475      | 1943          | 1950        | 1963         | rVB2     | 349392         | 1387746       | 29.62%          | 11.170%       |
| 6         | 13.896      | 2012          | 2019        | 2020         | rBV3     | 103470         | 193557        | 4.13%           | 1.558%        |
| 7         | 13.987      | 2027          | 2034        | 2046         | rVB2     | 260162         | 915003        | 19.53%          | 7.365%        |
| 8         | 14.329      | 2083          | 2090        | 2098         | rBV      | 126761         | 372788        | 7.96%           | 3.000%        |
| 9         | 14.561      | 2117          | 2128        | 2134         | rBV10    | 60926          | 215620        | 4.60%           | 1.735%        |
| 10        | 14.853      | 2174          | 2176        | 2184         | rVB3     | 43330          | 75727         | 1.62%           | 0.610%        |
| 11        | 15.085      | 2209          | 2214        | 2215         | rBV4     | 60451          | 90604         | 1.93%           | 0.729%        |
| 12        | 15.341      | 2253          | 2256        | 2260         | rBV      | 37559          | 57031         | 1.22%           | 0.459%        |
| 13        | 15.658      | 2302          | 2308        | 2318         | rBV4     | 66120          | 215345        | 4.60%           | 1.733%        |
| 14        | 16.170      | 2386          | 2392        | 2401         | rVB3     | 37904          | 115305        | 2.46%           | 0.928%        |

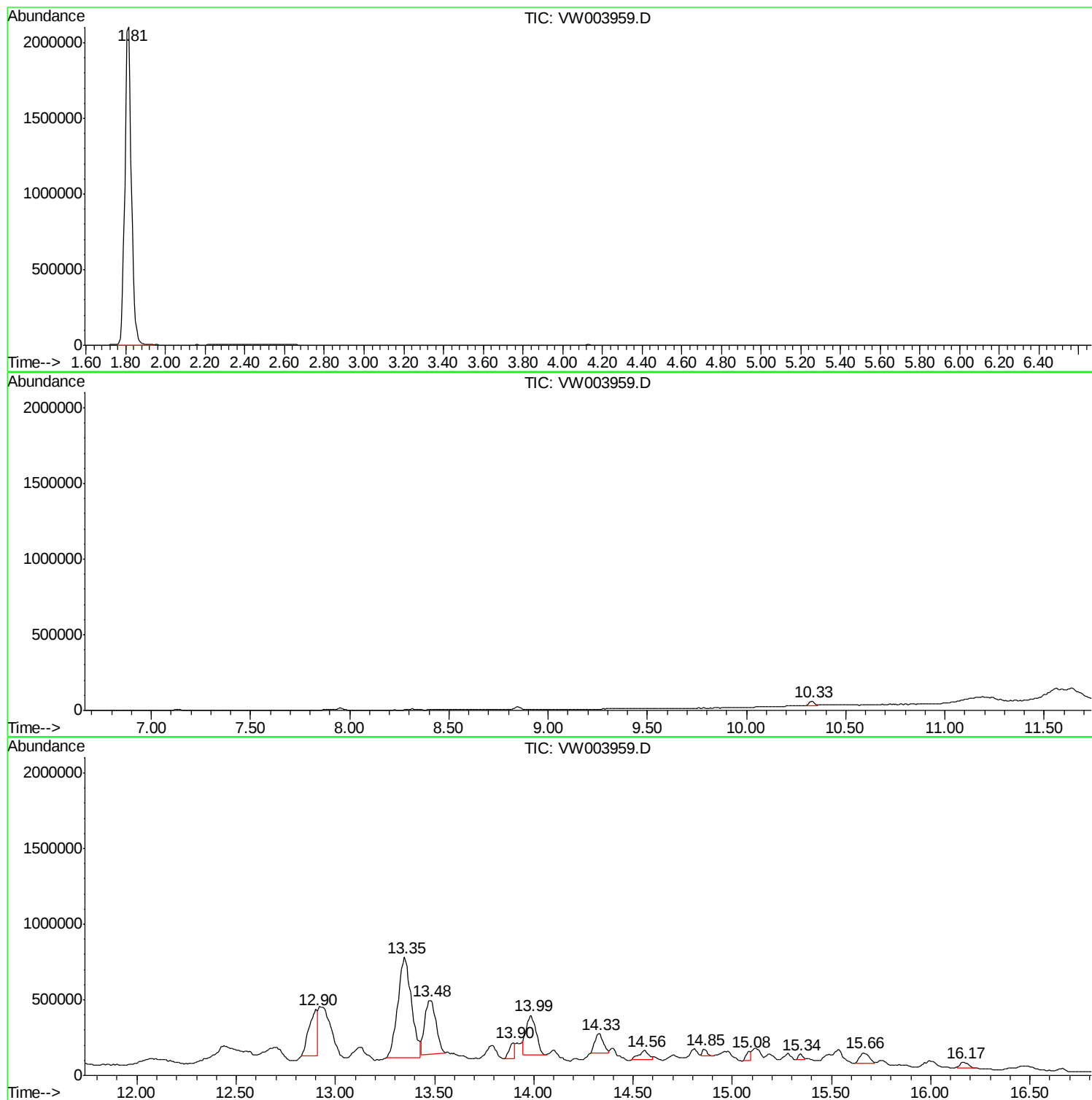
Sum of corrected areas: 12424268

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PAR-6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W071618S.M  
Quant Title : SW846 8260

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



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Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 5

| R.T.    | EstConc    | Area                       | Relative to ISTD       | R.T.           |
|---------|------------|----------------------------|------------------------|----------------|
| 12.90   | 31.66 ug/l | 878731                     | 1,4-Dichlorobenzene-d4 | 13.57          |
| Hit# of | 5          | Tentative ID               | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 2,6-dimethyl- | 156 C12H12             | 000581-42-0 98 |
| 2       |            | Naphthalene, 1,7-dimethyl- | 156 C12H12             | 000575-37-1 98 |
| 3       |            | Naphthalene, 2,7-dimethyl- | 156 C12H12             | 000582-16-1 97 |
| 4       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12             | 000575-43-9 97 |
| 5       |            | Naphthalene, 1,4-dimethyl- | 156 C12H12             | 000571-58-4 97 |

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Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 2

| R.T.    | EstConc     | Area                       | Relative to ISTD       | R.T.           |
|---------|-------------|----------------------------|------------------------|----------------|
| 13.35   | 114.12 ug/l | 3167400                    | 1,4-Dichlorobenzene-d4 | 13.57          |
| Hit# of | 5           | Tentative ID               | MW MolForm             | CAS# Qual      |
| 1       |             | Naphthalene, 1,6-dimethyl- | 156 C12H12             | 000575-43-9 98 |
| 2       |             | Naphthalene, 2,3-dimethyl- | 156 C12H12             | 000581-40-8 97 |
| 3       |             | Naphthalene, 1,7-dimethyl- | 156 C12H12             | 000575-37-1 96 |
| 4       |             | Naphthalene, 1,2-dimethyl- | 156 C12H12             | 000573-98-8 96 |
| 5       |             | Naphthalene, 2,6-dimethyl- | 156 C12H12             | 000581-42-0 96 |

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Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 9

| R.T.    | EstConc   | Area                       | Relative to ISTD       | R.T.           |
|---------|-----------|----------------------------|------------------------|----------------|
| 13.90   | 6.97 ug/l | 193557                     | 1,4-Dichlorobenzene-d4 | 13.57          |
| Hit# of | 5         | Tentative ID               | MW MolForm             | CAS# Qual      |
| 1       |           | Naphthalene, 2,3-dimethyl- | 156 C12H12             | 000581-40-8 97 |
| 2       |           | Naphthalene, 1,4-dimethyl- | 156 C12H12             | 000571-58-4 96 |
| 3       |           | Naphthalene, 1,8-dimethyl- | 156 C12H12             | 000569-41-5 96 |
| 4       |           | Naphthalene, 1,2-dimethyl- | 156 C12H12             | 000573-98-8 96 |
| 5       |           | Naphthalene, 1,3-dimethyl- | 156 C12H12             | 000575-41-7 95 |

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Peak Number 4 Naphthalene, 1,2-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|------|---------|------|------------------|------|
|------|---------|------|------------------|------|

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PAR-6

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 Quant Title : SW846 8260

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

| 14.33 | 13.43 ug/l | 372788                     | 1,4-Dichlorobenzene-d4 | 13.57          |
|-------|------------|----------------------------|------------------------|----------------|
| Hit#  | of 5       | Tentative ID               | MW MolForm             | CAS# Qual      |
| 1     |            | Naphthalene, 1,2-dimethyl- | 156 C12H12             | 000573-98-8 95 |
| 2     |            | Naphthalene, 1,3-dimethyl- | 156 C12H12             | 000575-41-7 94 |
| 3     |            | Naphthalene, 1,4-dimethyl- | 156 C12H12             | 000571-58-4 94 |
| 4     |            | Naphthalene, 2,3-dimethyl- | 156 C12H12             | 000581-40-8 94 |
| 5     |            | Naphthalene, 1,5-dimethyl- | 156 C12H12             | 000571-61-9 94 |

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 Peak Number 5 (+)-2-Bornanone Concentration Rank 7

| R.T.  | EstConc   | Area                                | Relative to ISTD       | R.T.           |
|-------|-----------|-------------------------------------|------------------------|----------------|
| 14.56 | 7.77 ug/l | 215620                              | 1,4-Dichlorobenzene-d4 | 13.57          |
| Hit#  | of 5      | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1     |           | (+)-2-Bornanone                     | 152 C10H16O            | 000464-49-3 64 |
| 2     |           | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 C10H16O            | 000464-48-2 60 |
| 3     |           | Bicyclo[6.1.0]nonane, 9-bromo-9-... | 216 C10H17Br           | 059474-03-2 55 |
| 4     |           | Naphthalene, decahydro-2-methyl-    | 152 C11H20             | 002958-76-1 52 |
| 5     |           | Pulegone                            | 152 C10H16O            | 000089-82-7 49 |

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 Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 8

| R.T.  | EstConc   | Area                            | Relative to ISTD       | R.T.            |
|-------|-----------|---------------------------------|------------------------|-----------------|
| 15.66 | 7.76 ug/l | 215345                          | 1,4-Dichlorobenzene-d4 | 13.57           |
| Hit#  | of 5      | Tentative ID                    | MW MolForm             | CAS# Qual       |
| 1     |           | Naphthalene, 1,6,7-trimethyl-   | 170 C13H14             | 002245-38-7 98  |
| 2     |           | Naphthalene, 2,3,6-trimethyl-   | 170 C13H14             | 000829-26-5 96  |
| 3     |           | Naphthalene, 1,4,6-trimethyl-   | 170 C13H14             | 002131-42-2 96  |
| 4     |           | 3-(2-Methyl-propenyl)-1H-indene | 170 C13H14             | 1000187-78-5 91 |
| 5     |           | 4,6,8-Trimethylazulene          | 170 C13H14             | 000941-81-1 76  |

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Instrument :  
MSVOA\_W  
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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Naphthalene, 2,6-... | 12.90 | 31.7    | ug/l  | 878731   | 4                     | 13.57 | 1387750 | 50.0 |
| Naphthalene, 1,6-... | 13.35 | 114.1   | ug/l  | 3167400  | 4                     | 13.57 | 1387750 | 50.0 |
| Naphthalene, 2,3-... | 13.90 | 7.0     | ug/l  | 193557   | 4                     | 13.57 | 1387750 | 50.0 |
| Naphthalene, 1,2-... | 14.33 | 13.4    | ug/l  | 372788   | 4                     | 13.57 | 1387750 | 50.0 |
| (+)-2-Bornanone      | 14.56 | 7.8     | ug/l  | 215620   | 4                     | 13.57 | 1387750 | 50.0 |
| Naphthalene, 1,6,... | 15.66 | 7.8     | ug/l  | 215345   | 4                     | 13.57 | 1387750 | 50.0 |