

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122018\  
Quantitation Report (QT Reviewed)

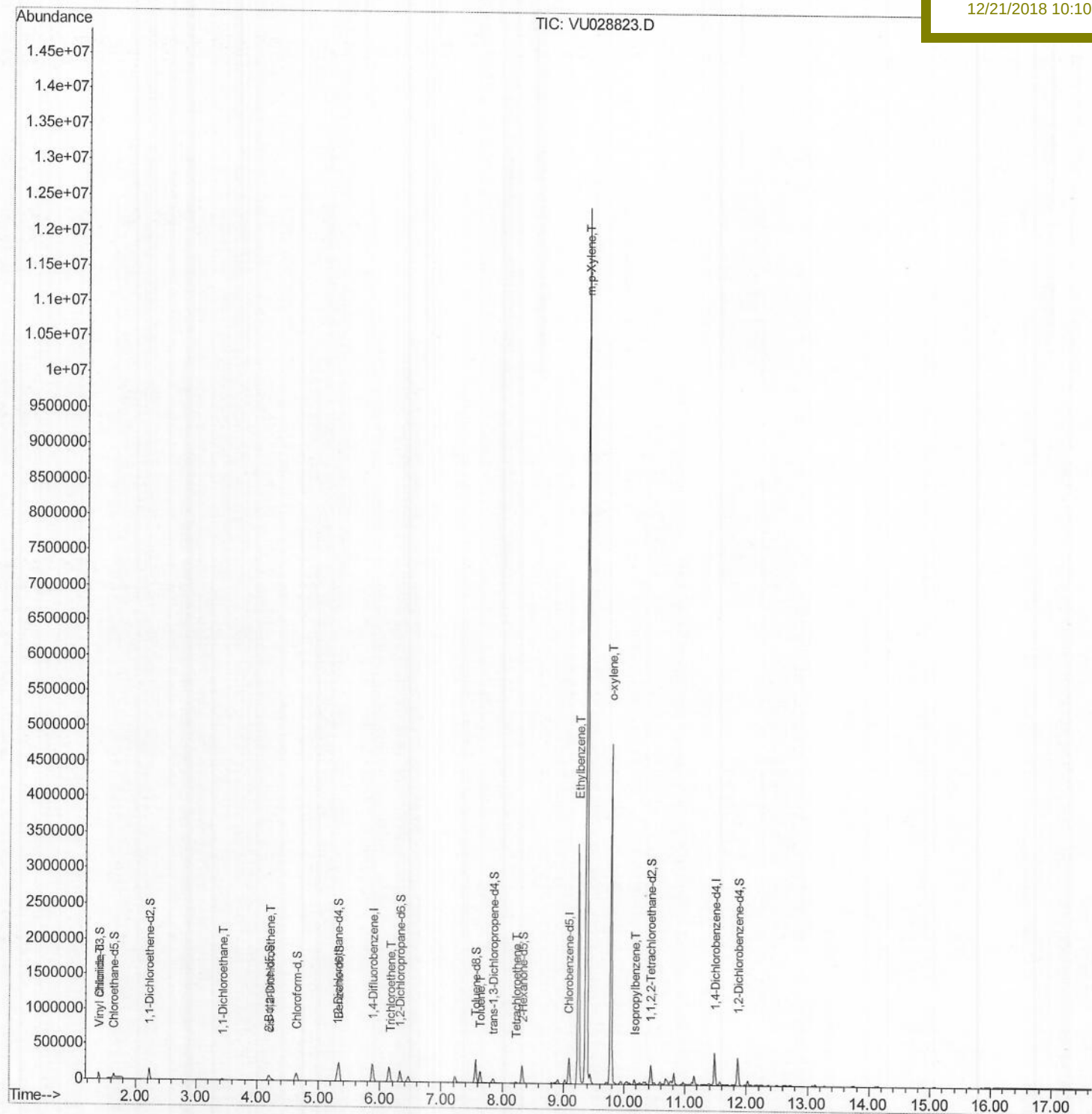
Data File : VU028823.D  
Acq On : 20 Dec 2018 14:42  
Operator : MD/SY  
Sample : J6468-15  
Misc : 6.35g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 21 04:48:47 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122018WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 21 03:50:07 2018  
Response via : Initial Calibration

Instrument :  
MSVOA\_U  
Client Sampled :  
C0JH1

Manual Integrations  
APPROVED

MMDadoda  
12/21/2018 10:10:56 AM



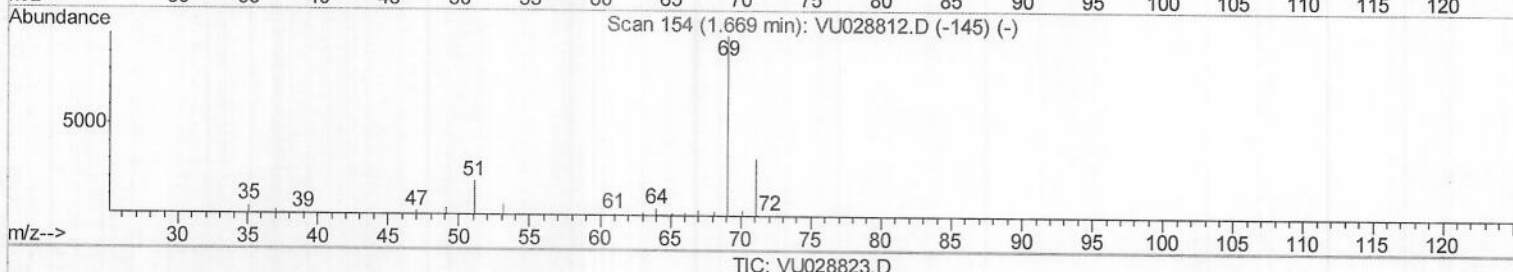
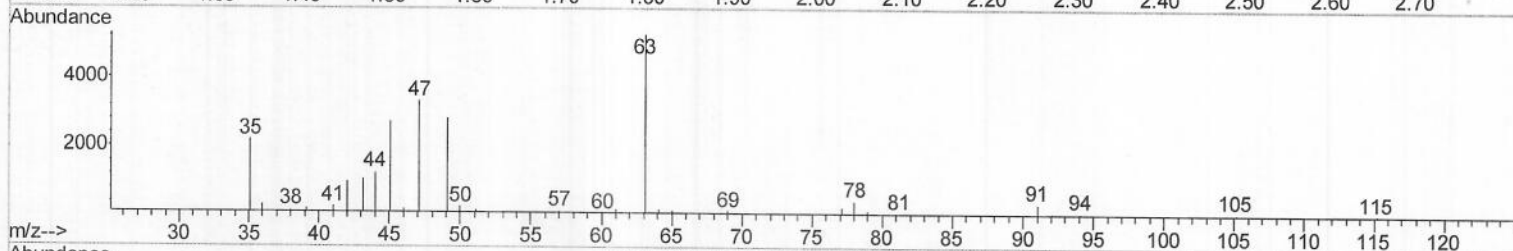
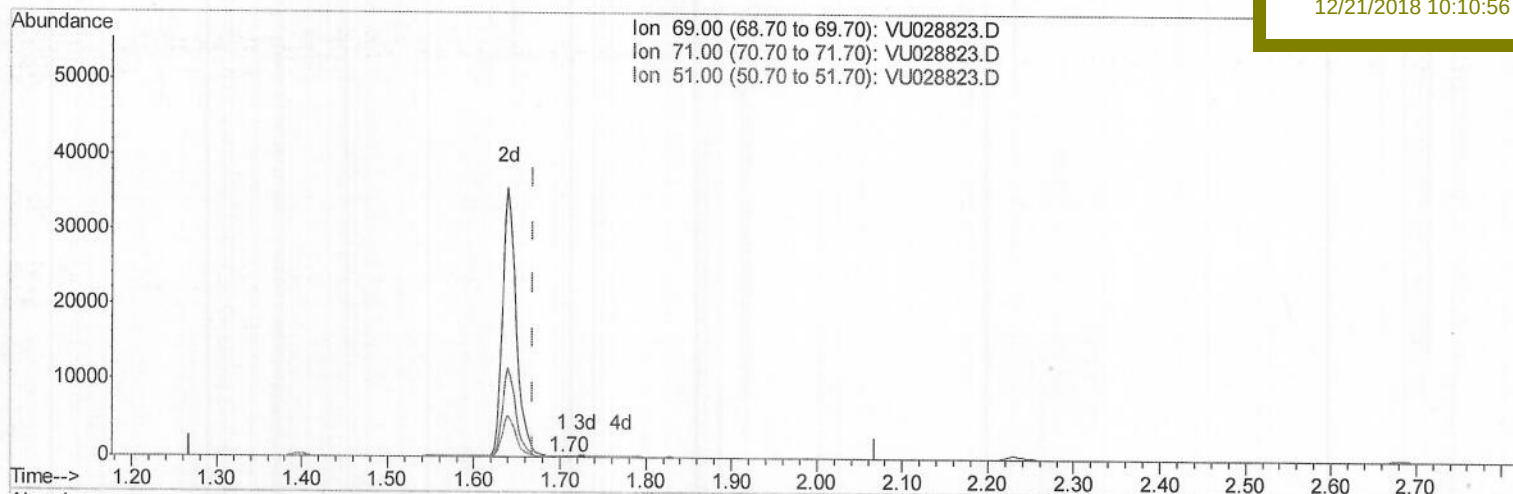
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12/21/2018 10:10:56 AM



TIC: VU028823.D

(7) Chloroethane-d5 (S)

1.704min (+0.035) 0.09ug/L

response 132

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 69.00 | 100   | 100   |
| 71.00 | 32.00 | 29.55 |
| 51.00 | 24.50 | 18.94 |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122018\  
Quantitation Report (Qedit)

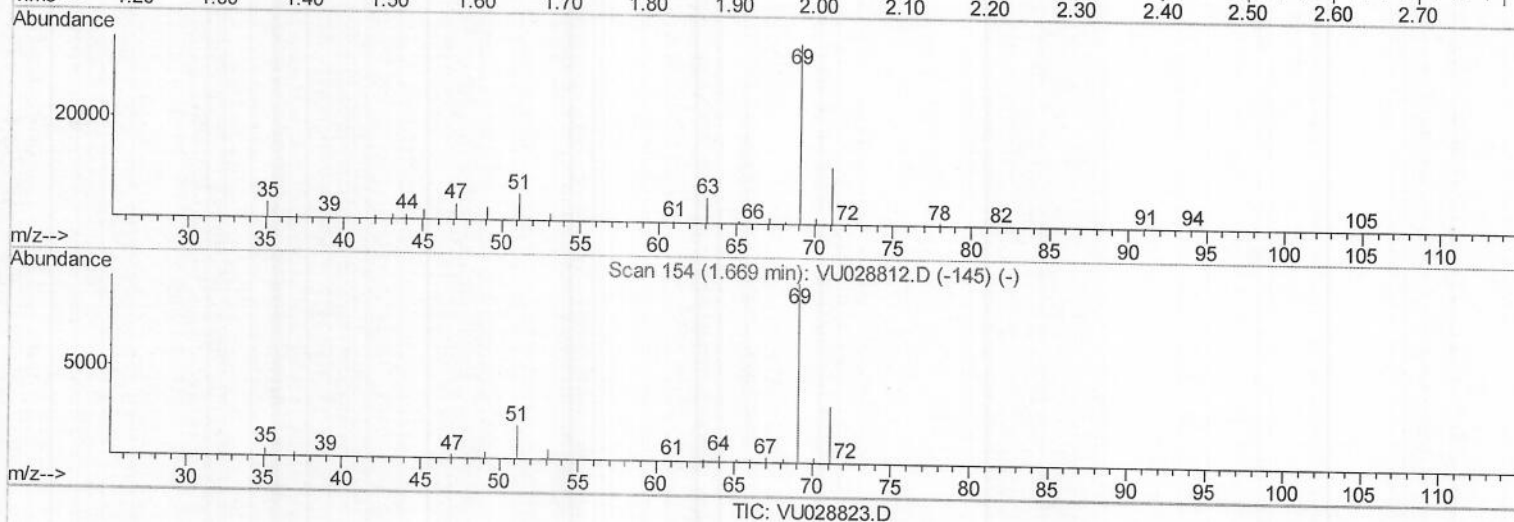
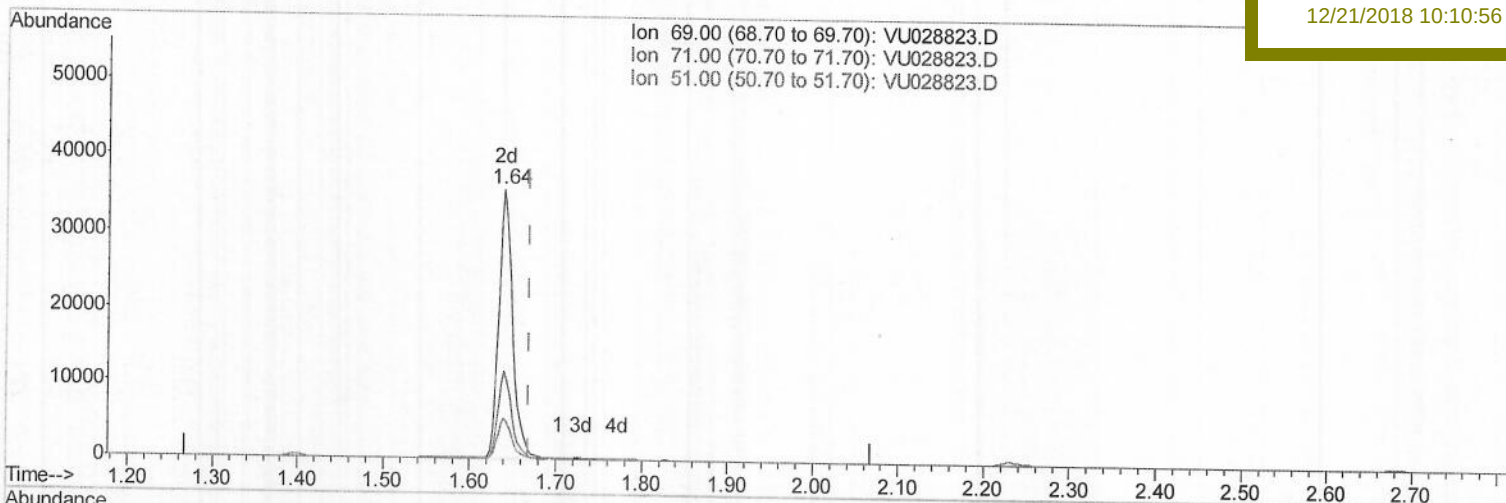
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122018WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 21 03:50:07 2018  
Response via : Initial Calibration

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JH1

Manual Integrations  
APPROVED

MMDadoda  
12/21/2018 10:10:56 AM



(7) Chloroethane-d5 (S)

1.640min (-0.029) 28.09ug/L m

response 39814

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 69.00 | 100   | 100   |
| 71.00 | 32.00 | 0.10# |
| 51.00 | 24.50 | 0.06# |
| 0.00  | 0.00  | 0.00  |

*m.D*  
*12/28/18*



Data File : VU028823.D  
Acq On : 20 Dec 2018 14:42  
Operator : MD/SY  
Sample : J6468-15  
Misc : 6.35g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
Client Sampled :  
C0JH1

Manual Integrations  
APPROVED

MMDadoda  
12/21/2018 10:10:56 AM

Quant Time: Dec 21 04:48:47 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122018WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 21 03:50:07 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 228866   | 50.00 | ug/L  | 0.00      |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 227248   | 50.00 | ug/L  | 0.00      |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 118124   | 50.00 | ug/L  | 0.00      |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 67430    | 36.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.50%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 39814m   | 28.09    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 56.18%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 86627    | 28.07    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 56.14%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 112588   | 87.58    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 87.58%  |
| 24) Chloroform-d               | 4.64    | 84    | 112799   | 39.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 78.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 72278    | 40.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.28%  |
| 32) Benzene-d6                 | 5.33    | 84    | 250145   | 38.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 77.92%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 86998    | 39.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 79.78%  |
| 41) Toluene-d8                 | 7.56    | 98    | 232234   | 39.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 79.84%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 40239    | 41.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.34%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 99887    | 96.43    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.43%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 135641   | 44.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.66%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 99873    | 41.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.60%  |

M.D  
12/28/18

#### Target Compounds

|                            |       |     |         |               | Qvalue |
|----------------------------|-------|-----|---------|---------------|--------|
| 5) Vinyl chloride          | 1.40  | 62  | 2398    | 1.070 ug/L #  | 28     |
| 19) 1,1-Dichloroethane     | 3.43  | 63  | 13717   | 4.438 ug/L    | 99     |
| 20) cis-1,2-Dichloroethene | 4.22  | 96  | 10751   | 5.970 ug/L    | 94     |
| 34) Trichloroethene        | 6.18  | 95  | 5550    | 3.178 ug/L #  | 86     |
| 42) Toluene                | 7.64  | 91  | 123604  | 16.854 ug/L   | 100    |
| 46) Tetrachloroethene      | 8.22  | 164 | 3602    | 2.678 ug/L    | 81     |
| 52) Ethylbenzene           | 9.25  | 91  | 2555448 | 324.286 ug/L  | 98     |
| 53) m,p-Xylene             | 9.38  | 106 | 3624270 | 1243.738 ug/L | 97     |
| 54) o-xylene               | 9.78  | 106 | 1334166 | 456.814 ug/L  | 100    |
| 56) Isopropylbenzene       | 10.17 | 105 | 45159   | 6.095 ug/L    | 99     |

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