

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU042919\  
Quantitation Report (QT Reviewed)

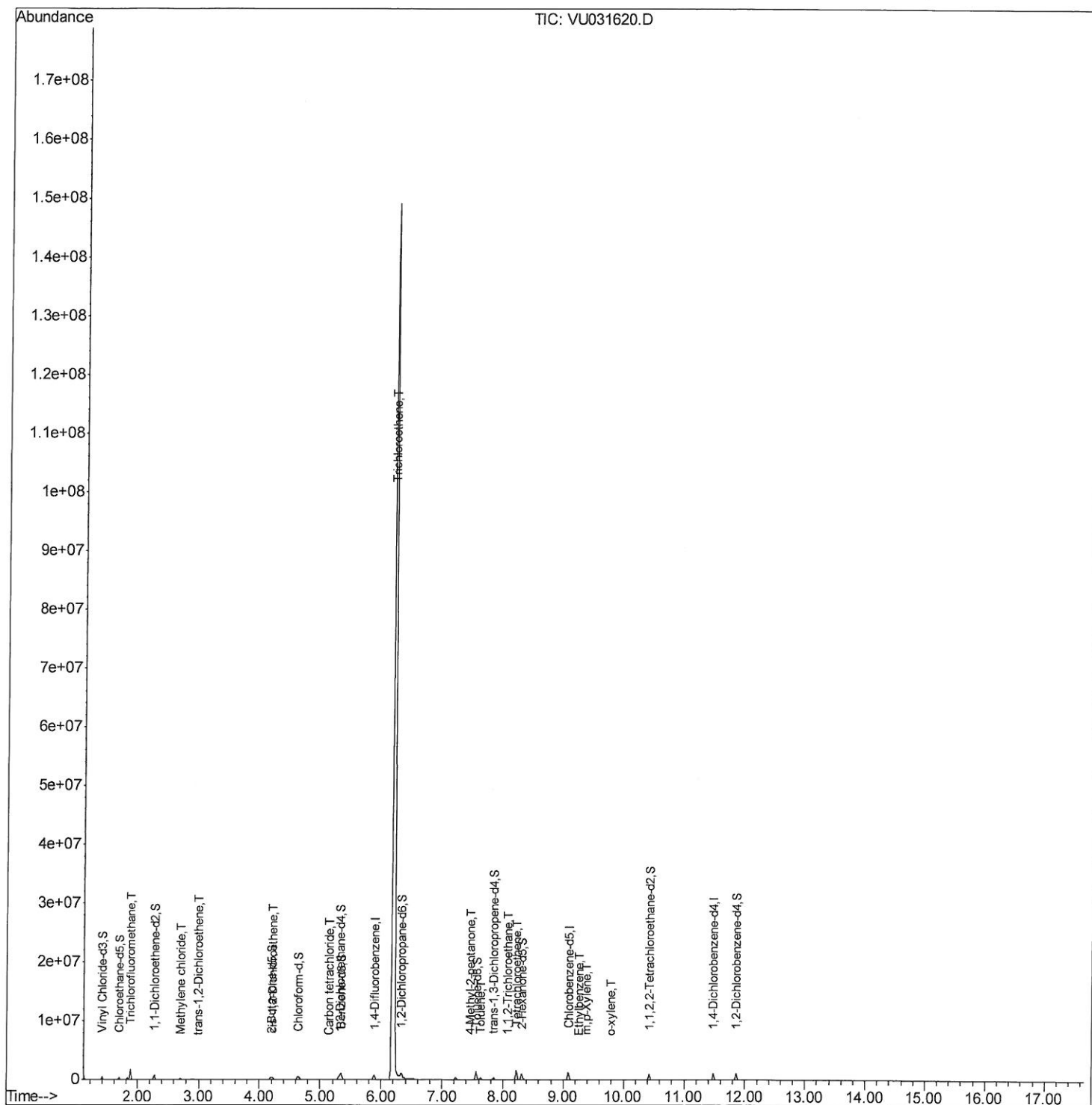
Data File : VU031620.D  
Acq On : 30 Apr 2019 05:05  
Operator : JC/SP  
Sample : K2593-09 50X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 53 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X73

Manual Integrations  
APPROVED

MMDadoda  
4/30/2019 11:45:00 AM

Quant Time: Apr 30 05:56:02 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 30 04:50:11 2019  
Response via : Initial Calibration



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Quantitation Report (Qedit)

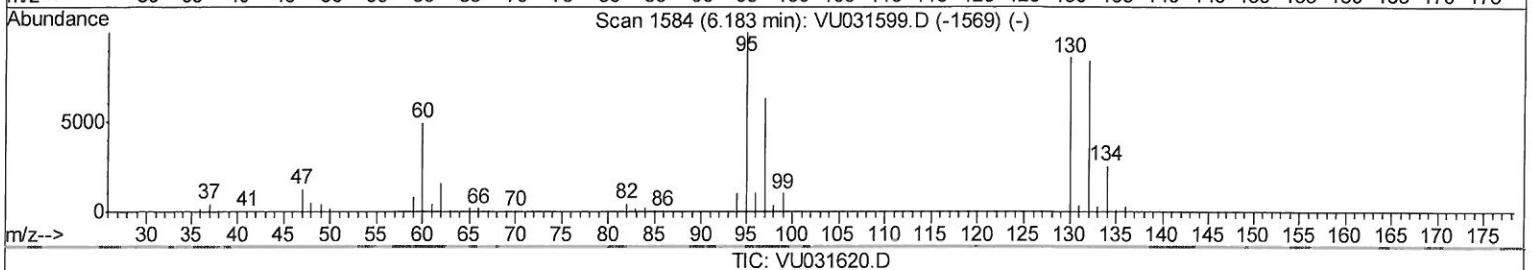
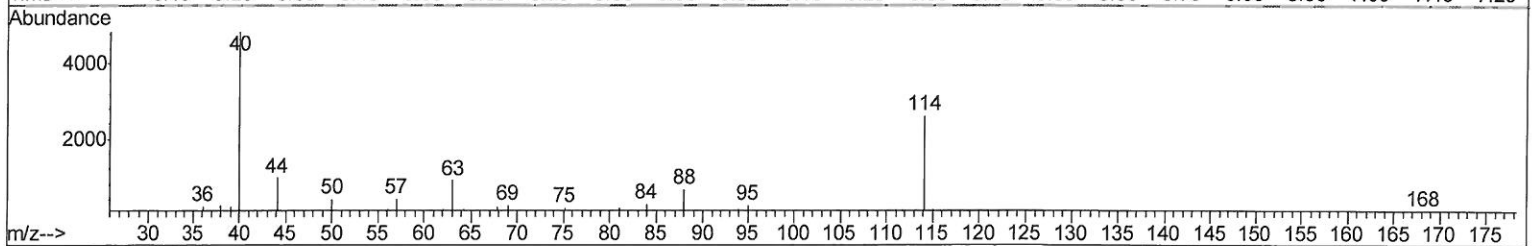
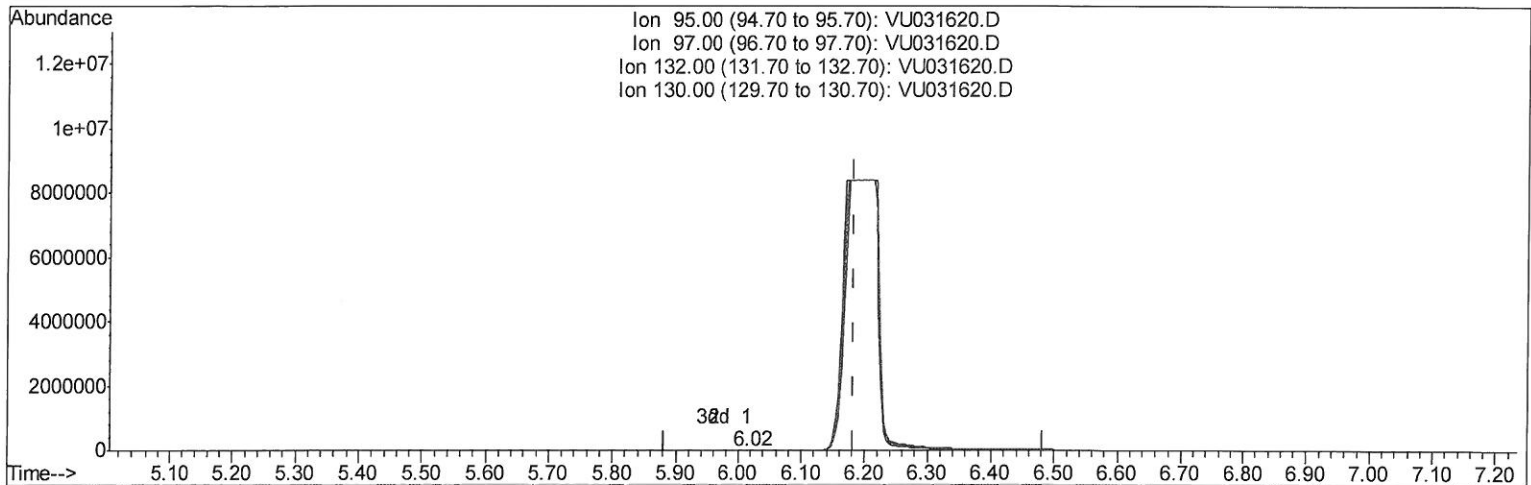
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Quant Title : VOC Analysis  
QLast Update : Tue Apr 30 04:50:11 2019  
Response via : Initial Calibration



(34) Trichloroethene (T)  
6.016min (-0.167) 0.04ug/L  
response 248

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 95.00  | 100   | 100   |
| 97.00  | 64.00 | 0.00# |
| 132.00 | 90.10 | 0.00# |
| 130.00 | 95.00 | 0.00# |

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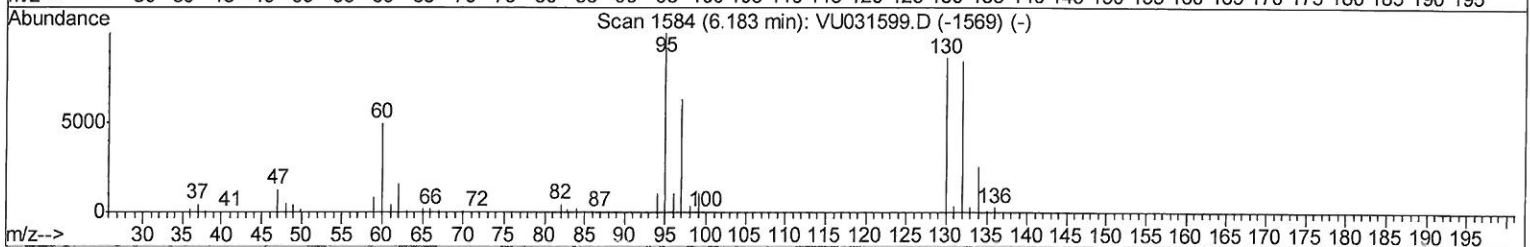
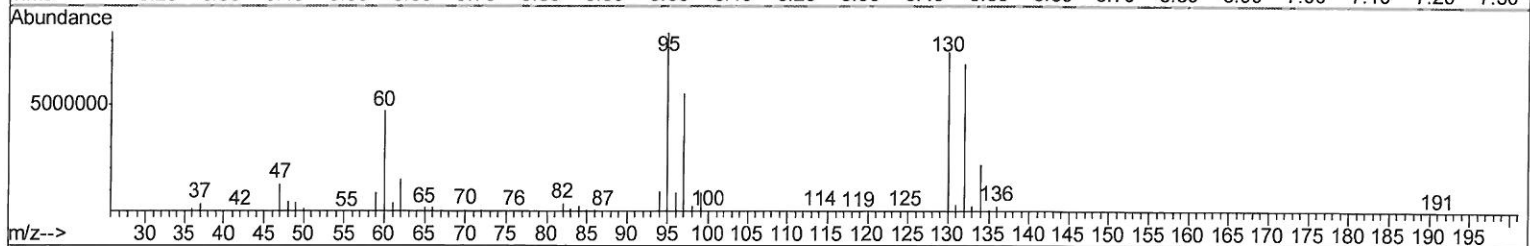
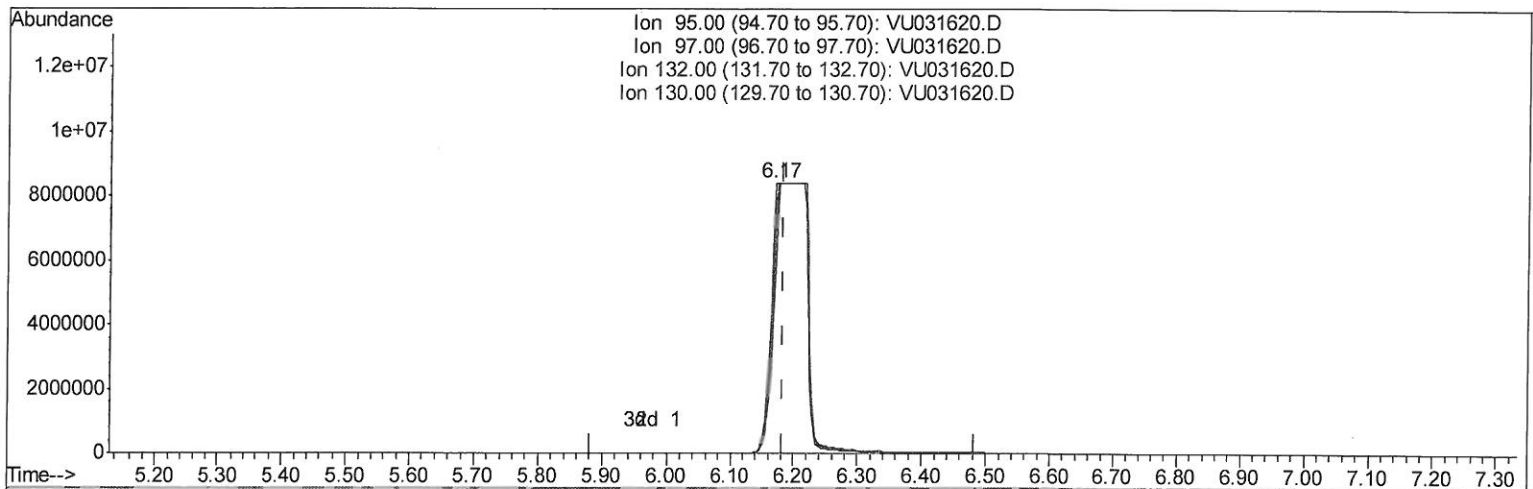
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ALS Vial : 53 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X73

Manual Integrations  
APPROVED

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Quant Title : VOC Analysis  
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Response via : Initial Calibration



TIC: VU031620.D

(34) Trichloroethene (T)

6.170min (-0.013) 5531.58ug/L m

response 32507803

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 95.00  | 100   | 100   |
| 97.00  | 64.00 | 65.87 |
| 132.00 | 90.10 | 82.27 |
| 130.00 | 95.00 | 89.11 |

→ MMD  
5/2/19

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Quantitation Report (QT Reviewed)

Data File : VU031620.D

Acq On : 30 Apr 2019 05:05

Operator : JC/SP

Sample : K2593-09 50X

Misc : 5.0mL/MSVOA\_U/WATER

ALS Vial : 53 Sample Multiplier: 1

Instrument :

MSVOA\_U

ClientSampled :

C0X73

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:45:00 AM

Quant Time: Apr 30 05:56:02 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Apr 30 04:50:11 2019

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 655543   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 659407   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 244416   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |                |     |            |         |      |      |
|--------------------------------|----------------|-----|------------|---------|------|------|
| 4) Vinyl Chloride-d3           | 1.40           | 65  | 329821     | 60.12   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 135 |     | Recovery = | 120.24% |      |      |
| 7) Chloroethane-d5             | 1.68           | 69  | 249114     | 58.76   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 130 |     | Recovery = | 117.52% |      |      |
| 11) 1,1-Dichloroethene-d2      | 2.27           | 63  | 471903     | 43.19   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 86.38%  |      |      |
| 21) 2-Butanone-d5              | 4.19           | 46  | 575017     | 115.68  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 40 - 130 |     | Recovery = | 115.68% |      |      |
| 24) Chloroform-d               | 4.64           | 84  | 516047     | 51.36   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 102.72% |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.31           | 65  | 356200     | 54.26   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 108.52% |      |      |
| 32) Benzene-d6                 | 5.34           | 84  | 1017856    | 50.27   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 100.54% |      |      |
| 36) 1,2-Dichloropropane-d6     | 6.33           | 67  | 379895     | 53.33   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 120 |     | Recovery = | 106.66% |      |      |
| 41) Toluene-d8                 | 7.56           | 98  | 877179     | 49.74   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 99.48%  |      |      |
| 43) trans-1,3-Dichloropropene- | 7.85           | 79  | 147139     | 48.12   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 96.24%  |      |      |
| 47) 2-Hexanone-d5              | 8.31           | 63  | 335024     | 108.65  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 45 - 130 |     | Recovery = | 108.65% |      |      |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43          | 84  | 463484     | 48.48   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 65 - 120 |     | Recovery = | 96.96%  |      |      |
| 64) 1,2-Dichlorobenzene-d4     | 11.86          | 152 | 260387     | 50.66   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 101.32% |      |      |

## Target Compounds

|                              |      |     |           |          | Qvalue |    |
|------------------------------|------|-----|-----------|----------|--------|----|
| 9) Trichlorofluoromethane    | 1.88 | 101 | 1061665   | 114.212  | ug/L   | 99 |
| 16) Methylene chloride       | 2.70 | 84  | 67387     | 11.164   | ug/L   | 94 |
| 17) trans-1,2-Dichloroethene | 2.98 | 96  | 12621     | 2.368    | ug/L   | 88 |
| 20) cis-1,2-Dichloroethene   | 4.22 | 96  | 101487    | 17.753   | ug/L   | 90 |
| 31) Carbon tetrachloride     | 5.13 | 117 | 9504      | 1.204    | ug/L   | 94 |
| 34) Trichloroethene          | 6.17 | 95  | 32507803m | 5531.583 | ug/L   |    |
| 40) 4-Methyl-2-pentanone     | 7.47 | 43  | 31338     | 2.959    | ug/L # | 91 |
| 42) Toluene                  | 7.63 | 91  | 240556    | 9.961    | ug/L   | 96 |
| 45) 1,1,2-Trichloroethane    | 8.07 | 97  | 15517     | 2.735    | ug/L   | 94 |
| 46) Tetrachloroethene        | 8.22 | 164 | 325505    | 81.246   | ug/L   | 97 |
| 52) Ethylbenzene             | 9.25 | 91  | 12177     | 0.486    | ug/L   | 88 |
| 53) m,p-Xylene               | 9.37 | 106 | 17697     | 2.028    | ug/L   | 99 |
| 54) o-xylene                 | 9.78 | 106 | 8694      | 1.005    | ug/L   | 86 |

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