

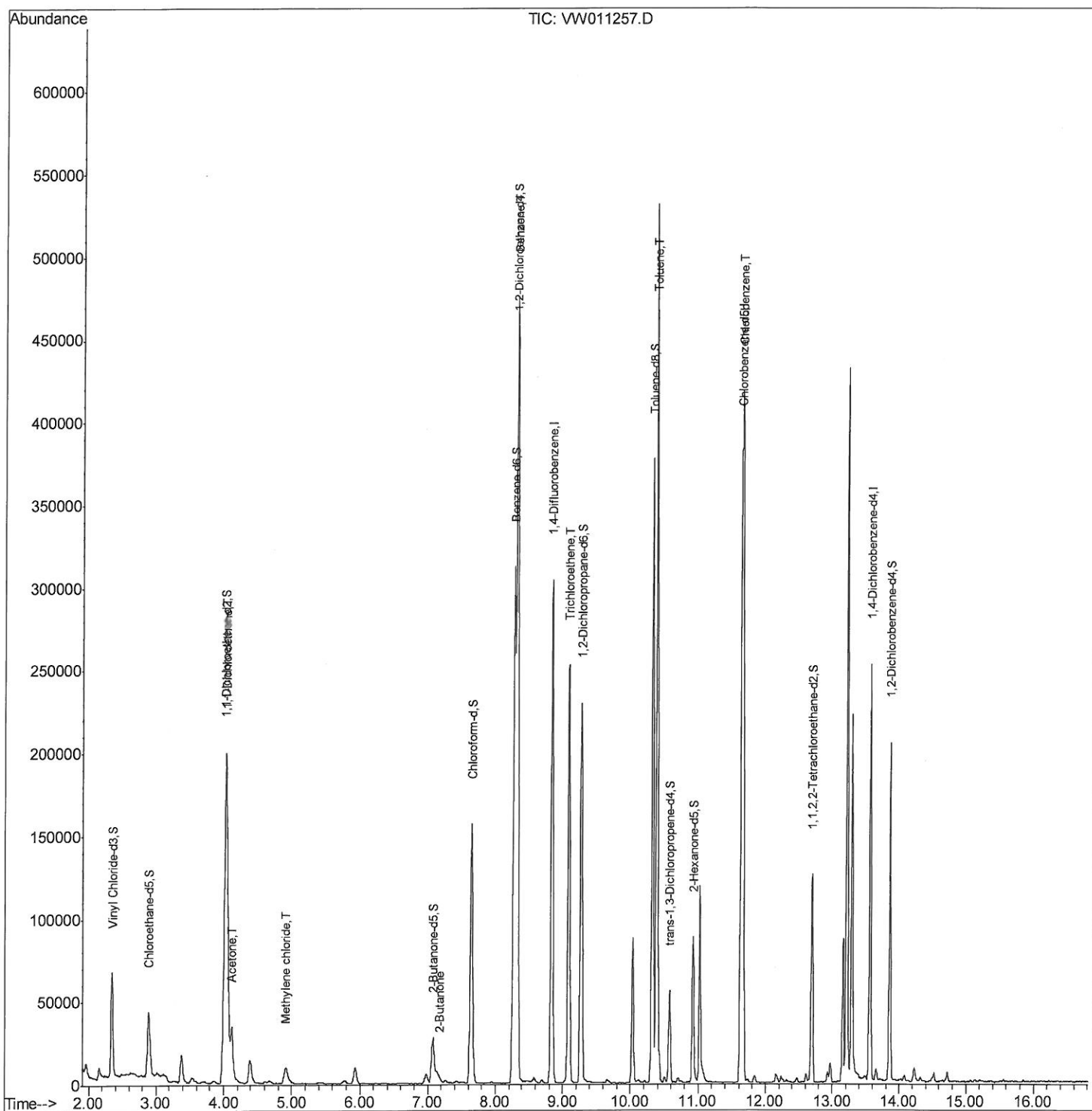
Data File : VW011257.D  
Acq On : 15 Jul 2019 13:27  
Operator : SY/VA  
Sample : K3760-15MS  
Misc : 4.90G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
DB8Z4MS

## Manual Integrations

MMDadoda  
7/18/2019 7:53:33 AM

Quant Time: Jul 16 05:34:59 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 16 05:02:41 2019  
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW071519\  
Quantitation Report (Qedit)

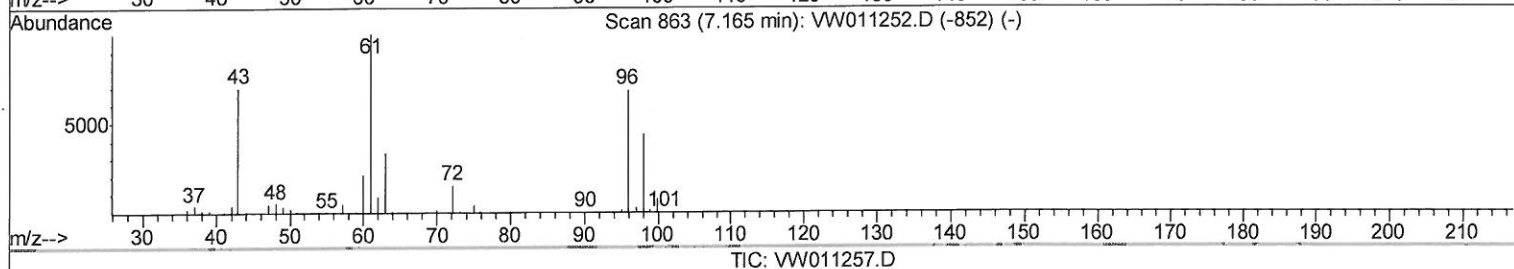
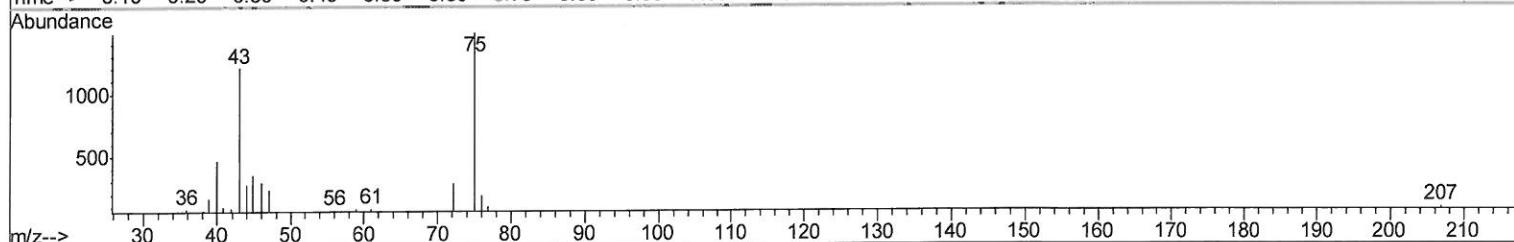
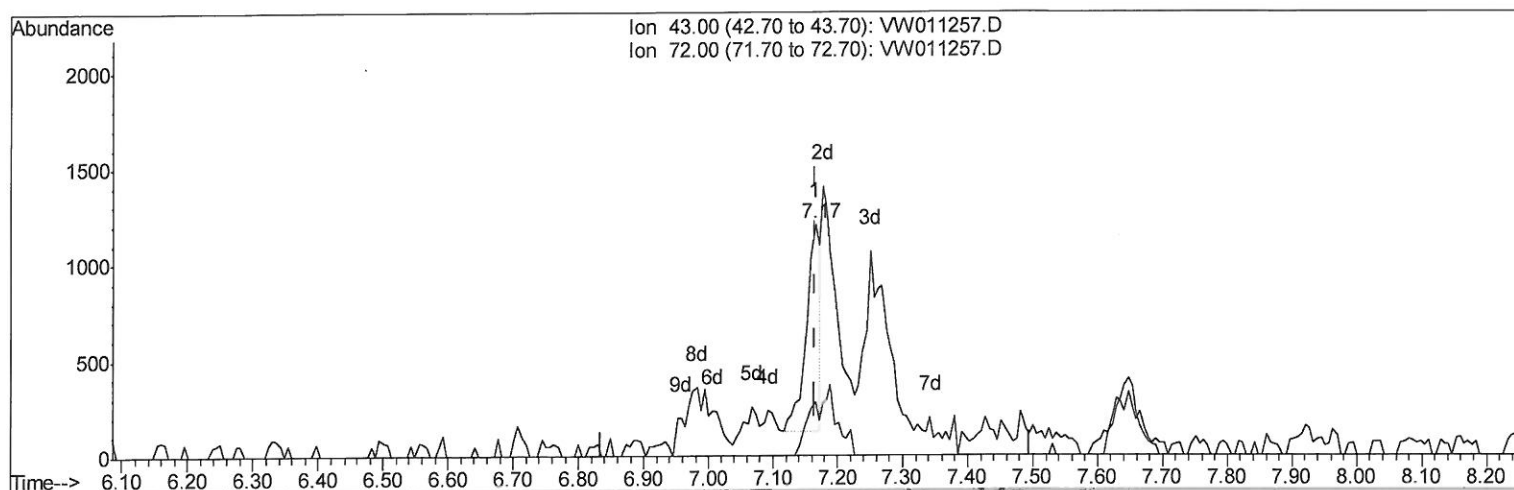
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DB8Z4MS

Manual Integrations  
APPROVED

MMDadoda  
7/18/2019 7:53:33 AM

Quant Time: Jul 16 05:05:57 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 16 05:02:41 2019  
Response via : Initial Calibration



(21) 2-Butanone

7.165min (0.000) 0.88ug/L

response 1600

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 72.00 | 22.40 | 24.88 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW071519\  
Quantitation Report (Qedit)

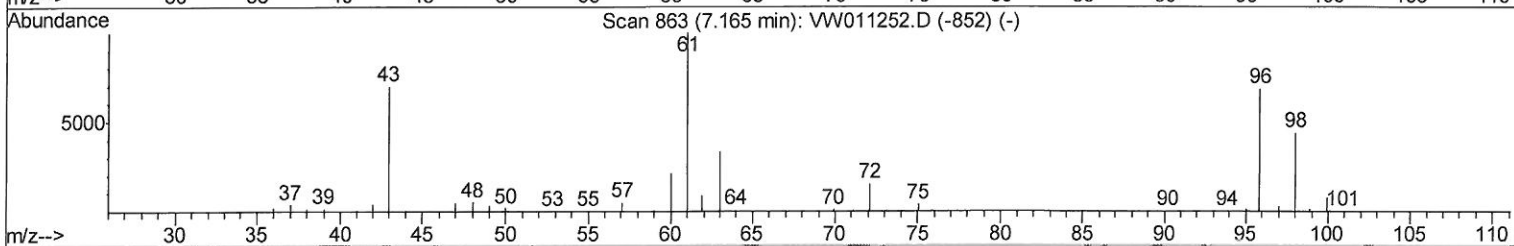
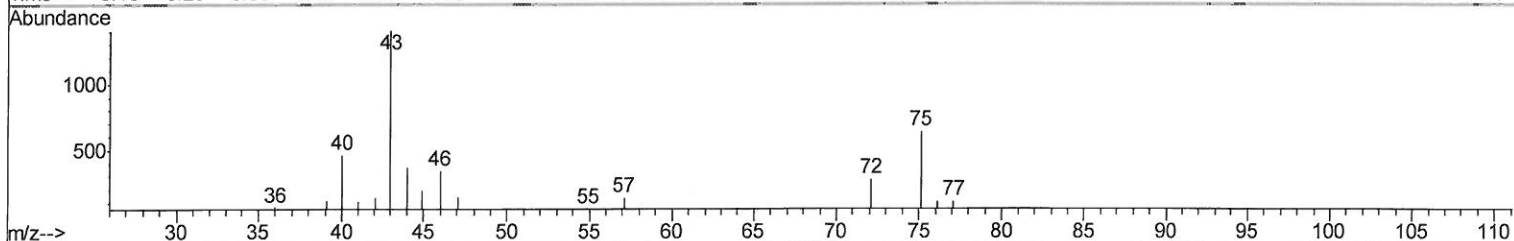
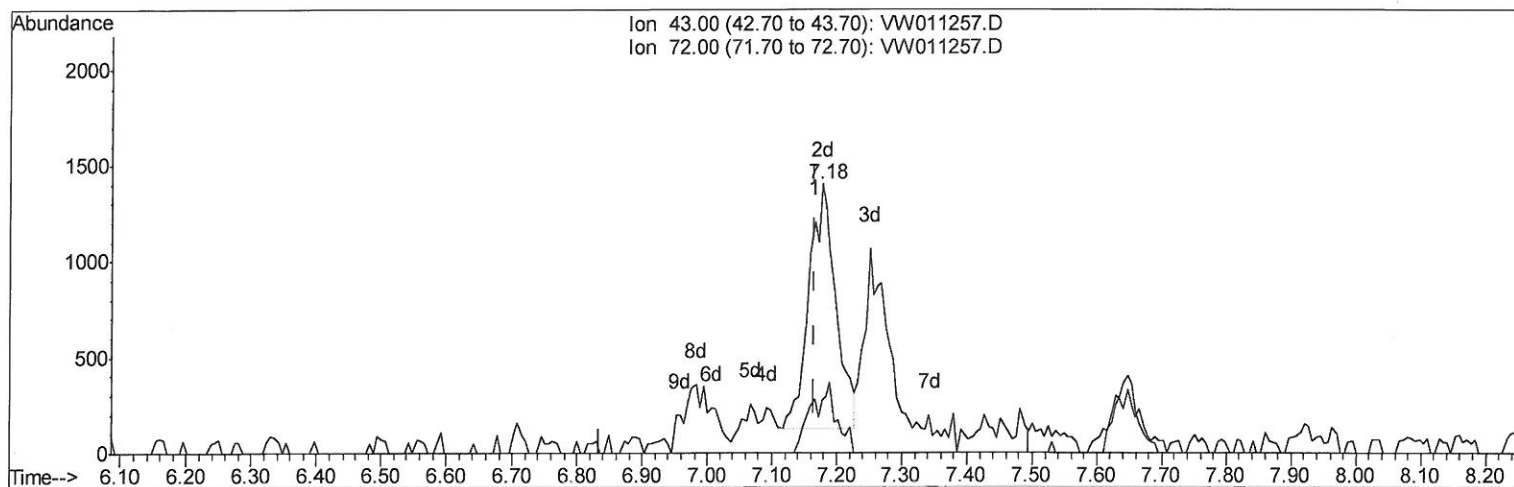
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Sample : K3760-15MS  
Misc : 4.90G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampled :  
DB8Z4MS

Manual Integrations  
APPROVED

MMDadoda  
7/18/2019 7:53:33 AM

Quant Time: Jul 16 05:05:57 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 16 05:02:41 2019  
Response via : Initial Calibration



TIC: VW011257.D

(21) 2-Butanone

7.177min (+0.012) 2.03ug/L m

response 3690

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 43.00 | 100   | 100    |
| 72.00 | 22.40 | 10.79# |
| 0.00  | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

07/16/19 SY

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW071519\  
Quantitation Report (QT Reviewed)

Data File : VW011257.D  
Acq On : 15 Jul 2019 13:27  
Operator : SY/VA  
Sample : K3760-15MS  
Misc : 4.90G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
DB8Z4MS

Manual Integrations  
APPROVED

MMDadoda  
7/18/2019 7:53:33 AM

Quant Time: Jul 16 05:34:59 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 16 05:02:41 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 240155   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 178859   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 61416    | 25.00 | ug/L  | 0.00     |

System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 66912    | 18.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.00%  |
| 7) Chloroethane-d5             | 2.88   | 69    | 55240    | 21.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.88%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 170876   | 22.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 88.00%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 51096    | 35.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.74%  |
| 24) Chloroform-d               | 7.65   | 84    | 153214   | 23.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.12%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 91774    | 22.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 90.56%  |
| 29) Benzene-d6                 | 8.27   | 84    | 302909   | 27.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 109.96% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 103571   | 28.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 115.48% |
| 37) Toluene-d8                 | 10.32  | 98    | 238047   | 24.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 96.96%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 28998    | 19.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.04%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 29394    | 35.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 71.44%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 62335    | 21.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 84.00%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 50710    | 21.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 86.04%  |

Target Compounds

|                        |       |     |        |             | Qvalue |
|------------------------|-------|-----|--------|-------------|--------|
| 12) 1,1-Dichloroethene | 4.04  | 96  | 86312  | 27.349 ug/L | 80     |
| 13) Acetone            | 4.12  | 43  | 51503  | 36.503 ug/L | 99     |
| 16) Methylene chloride | 4.92  | 84  | 7588   | 2.150 ug/L  | 90     |
| 21) 2-Butanone         | 7.18  | 43  | 3690m  | 2.026 ug/L  | 100    |
| 34) Benzene            | 8.32  | 78  | 393294 | 35.183 ug/L | 100    |
| 35) Trichloroethene    | 9.09  | 95  | 89616  | 31.769 ug/L | 99     |
| 44) Toluene            | 10.38 | 91  | 361202 | 31.218 ug/L | 100    |
| 52) Chlorobenzene      | 11.66 | 112 | 190851 | 26.999 ug/L | 99     |

07/16/19 57

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