Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031619\

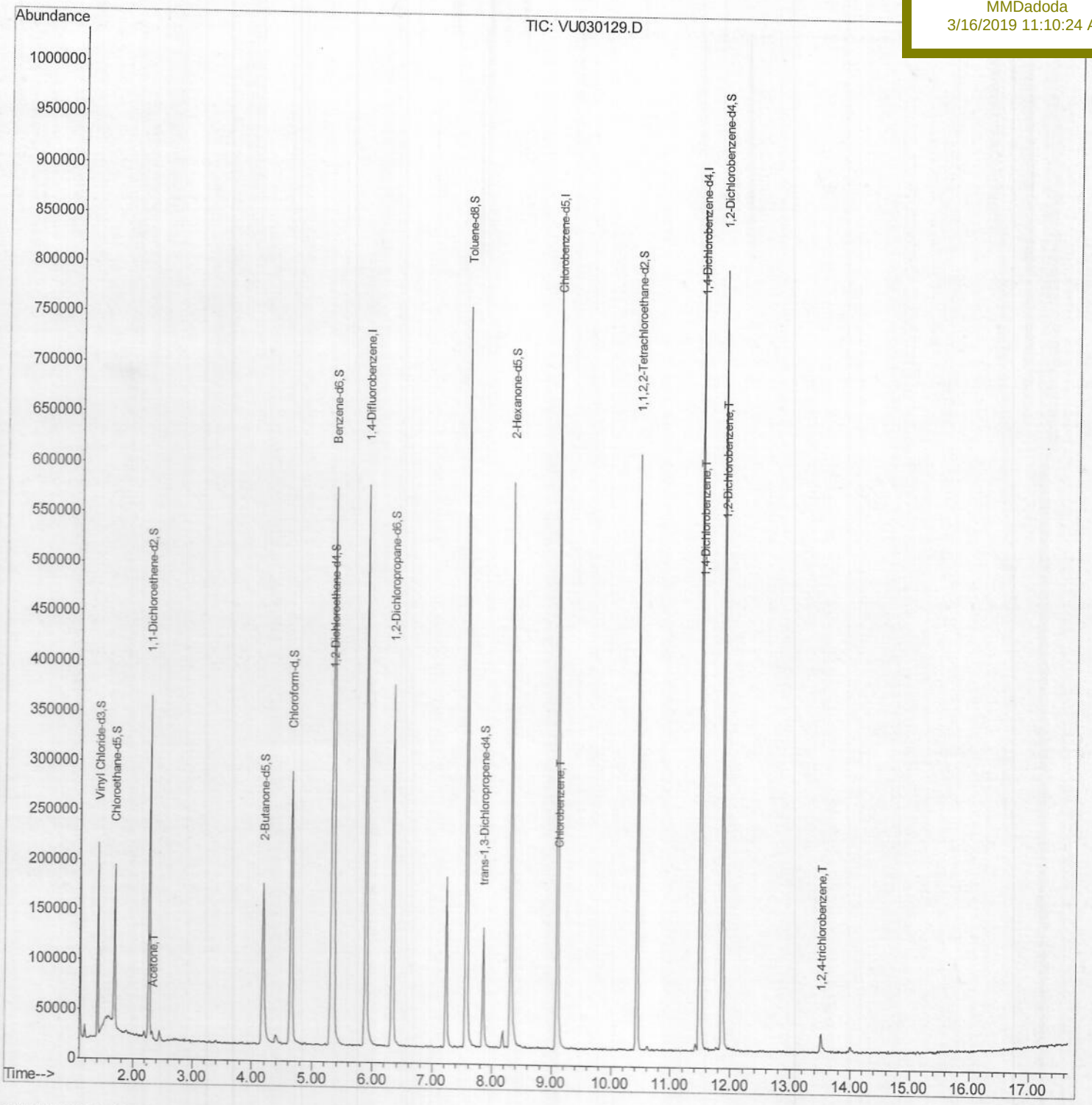
Quantitation Report (QT Reviewed)

Data File : VU030129.D
Acq On : 15 Mar 2019 22:20
Operator : JC/SP
Sample : K1917-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 16 01:45:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:52:41 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
C09H2

**Manual Integrations APPROVED**
MMDadoda
3/16/2019 11:10:24 AM




SOMULM031319WMA.M Sat Mar 16 01:43:50 2019

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031619\

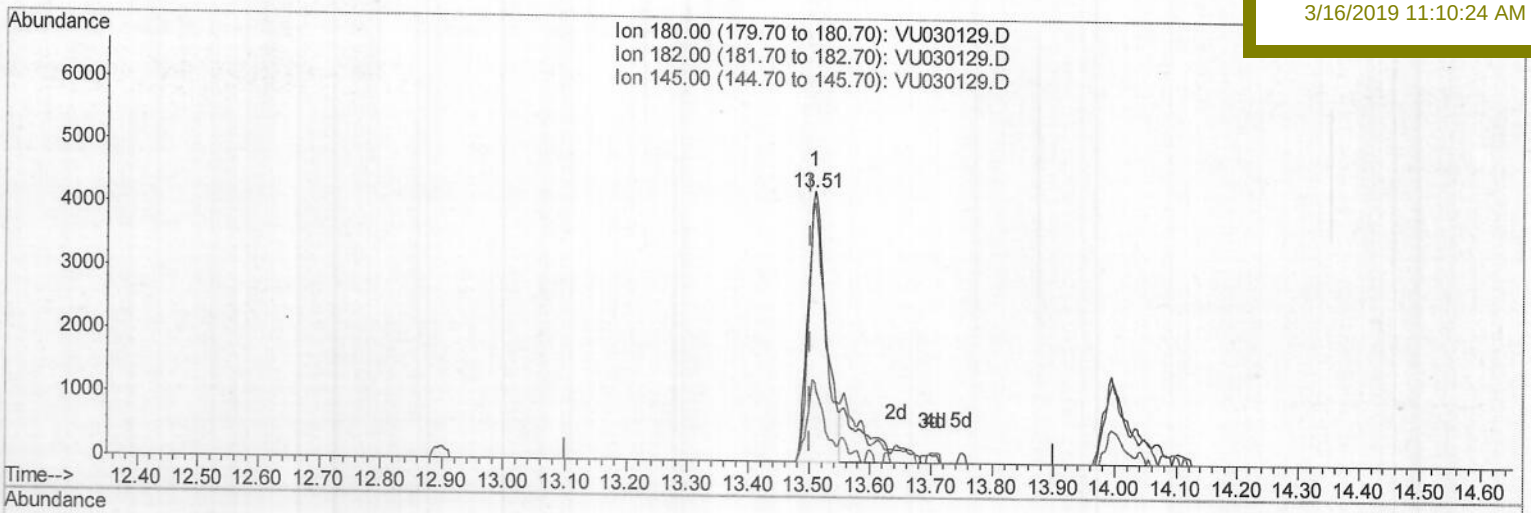
Quantitation Report (Qedit)

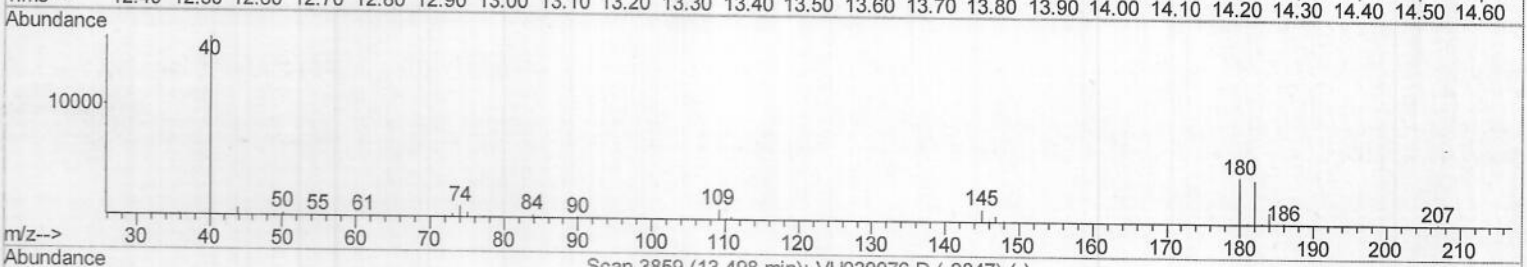
Data File : VU030129.D
Acq On : 15 Mar 2019 22:20
Operator : JC/SP
Sample : K1917-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

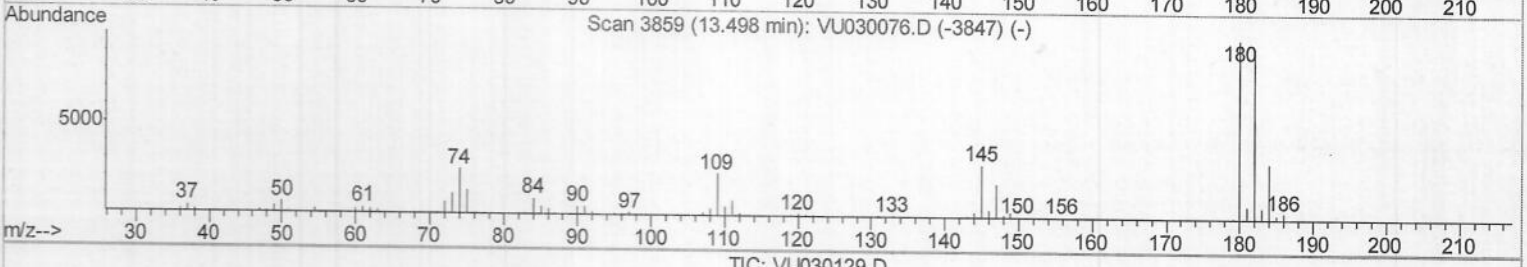
Quant Time: Mar 16 00:57:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:52:41 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
C09H2

**Manual Integrations APPROVED**
MMDadoda
3/16/2019 11:10:24 AM




TIC: VU030129.D

(68) 1,2,4-trichlorobenzene (T)

13.508min (+0.007) 1.64ug/L

response 8911

| Ion | Exp% | Act% |
|---|---|---|
| 180.00 | 100 | 100 |
| 182.00 | 95.10 | 85.52 |
| 145.00 | 28.70 | 27.30 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031619\

Quantitation Report (Qedit)

Data File : VU030129.D
Acq On : 15 Mar 2019 22:20
Operator : JC/SP
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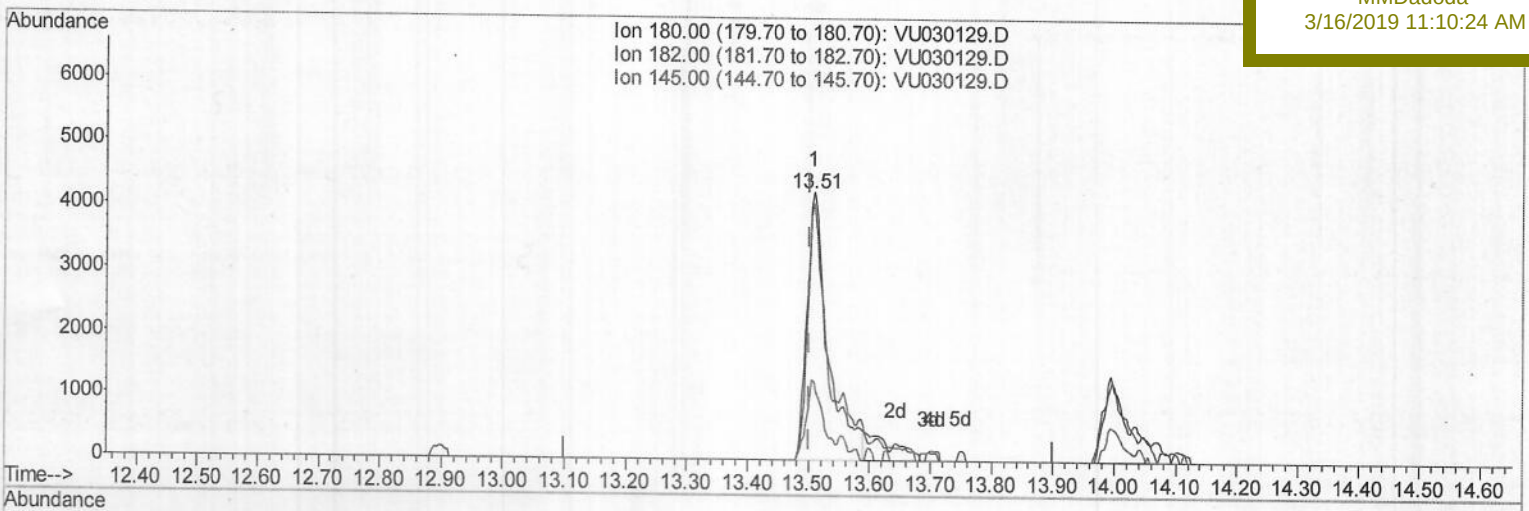
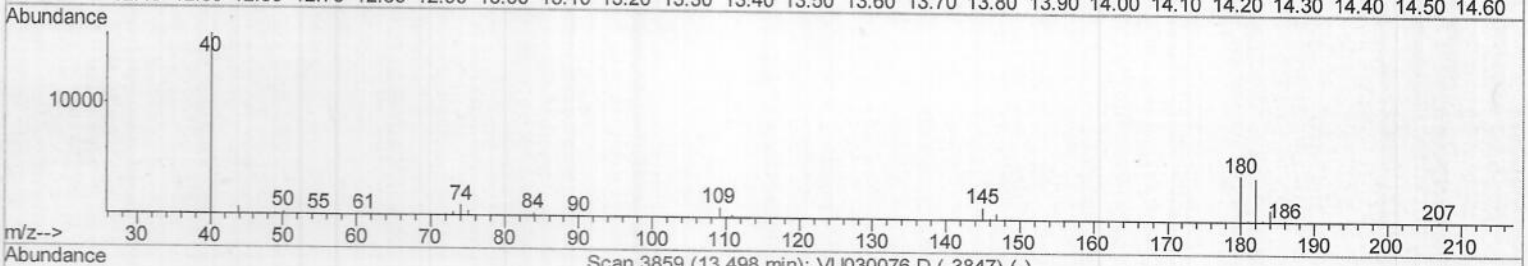
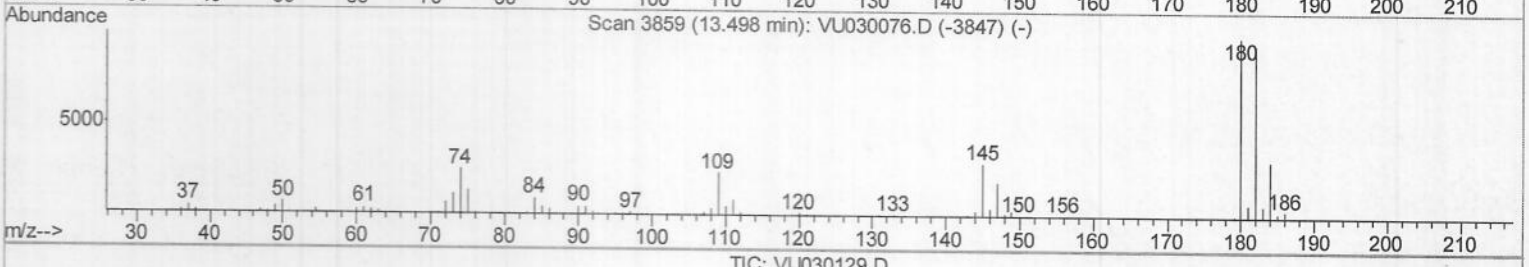
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:52:41 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
C09H2

**Manual Integrations APPROVED**
MMDadoda
3/16/2019 11:10:24 AM




TIC: VU030129.D

(68) 1,2,4-trichlorobenzene (T)

13.508min (+0.007) 1.89ug/L m

response 10312

M.D 03/20/19

| Ion | Exp% | Act% |
|---|---|---|
| 180.00 | 100 | 100 |
| 182.00 | 95.10 | 73.90# |
| 145.00 | 28.70 | 23.59 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031619\

Quantitation Report (QT Reviewed)

Data File : VU030129.D
Acq On : 15 Mar 2019 22:20
Operator : JC/SP
Sample : K1917-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 16 01:45:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:52:41 2019
Response via : Initial Calibration

**Instrument :** MSVOA_U
**ClientSampleId :** C09H2

**Manual Integrations APPROVED**
MMDadoda
3/16/2019 11:10:24 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 528201 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 507117 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 237677 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 125459 | 35.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 71.82% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 115873 | 41.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 82.18% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 186686 | 29.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 59.20%# | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 258400 | 98.71 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 98.71% | | | |
| 24) Chloroform-d | 4.65 | 84 | 284837 | 45.45 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 90.90% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 174017 | 48.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 96.12% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 602189 | 46.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.26% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 194920 | 48.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 97.58% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 537146 | 43.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 87.88% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 75793 | 39.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 78.32% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 214616 | 96.00 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 96.00% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 299312 | 48.75 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 97.50% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 228696 | 49.67 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 99.34% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.32 | 43 | 6824 | 2.230 | ug/L | 96 |
| 51) Chlorobenzene | 9.12 | 112 | 16221 | 1.525 | ug/L | 97 |
| 63) 1,4-Dichlorobenzene | 11.50 | 146 | 65309 | 8.368 | ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 11.88 | 146 | 10822 | 1.401 | ug/L | 95 |
| 68) 1,2,4-trichlorobenzene | 13.51 | 180 | 10312m | 1.892 | ug/L | |

M.D 03/20/19

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