Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042919\

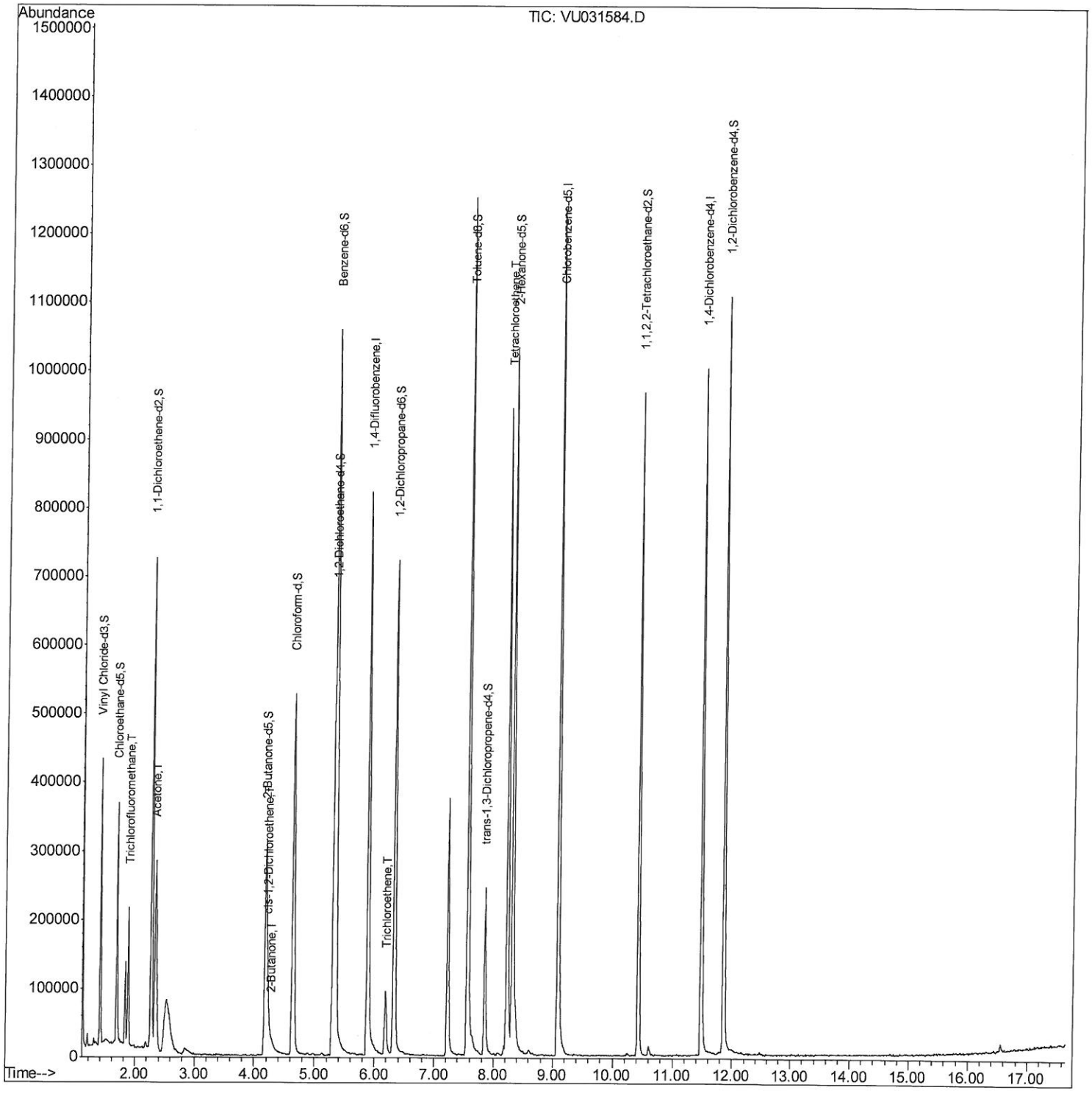
Quantitation Report (QT Reviewed)

Data File : VU031584.D
Acq On : 29 Apr 2019 14:22
Operator : JC/SP
Sample : K2592-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 30 03:43:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 01:54:25 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0X82

**Manual Integrations APPROVED**
MMDadoda
4/30/2019 12:07:12 PM



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042919\

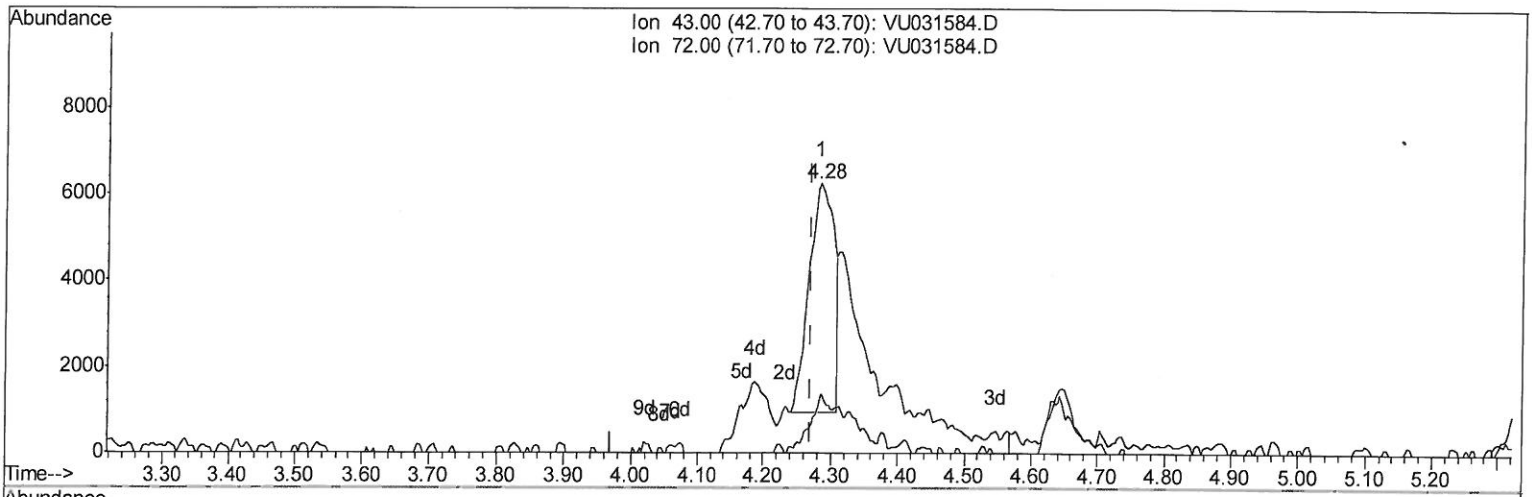
Quantitation Report (Qedit)

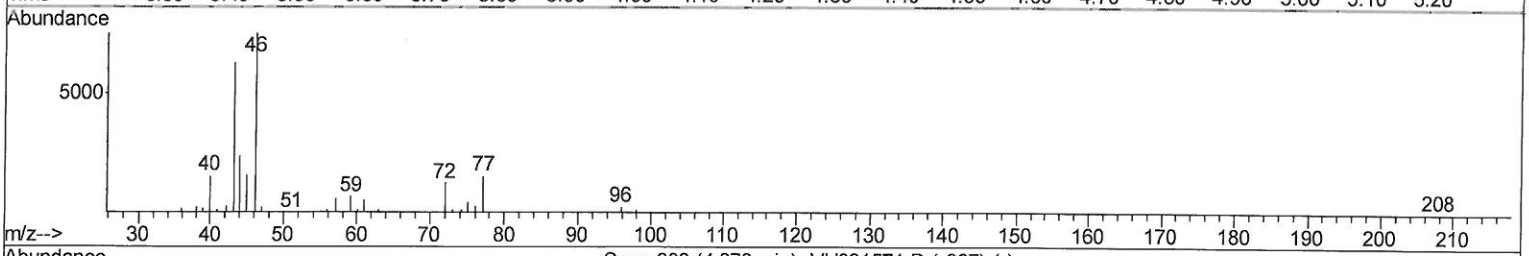
Data File : VU031584.D
Acq On : 29 Apr 2019 14:22
Operator : JC/SP
Sample : K2592-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

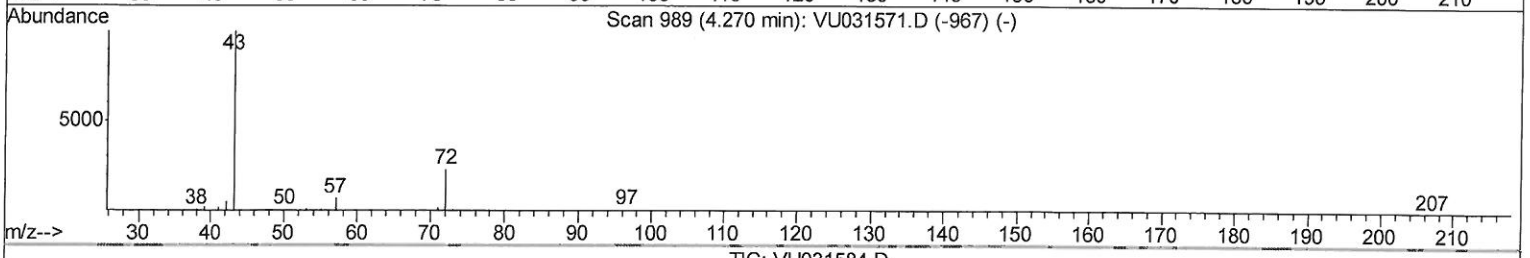
Quant Time: Apr 30 01:58:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 01:54:25 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0X82

**Manual Integrations APPROVED**
MMDadoda
4/30/2019 12:07:12 PM




TIC: VU031584.D

(22) 2-Butanone (T)

4.283min (+0.013) 2.15ug/L

response 13845

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 72.00 | 22.80 | 16.56 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042919\

Quantitation Report (Qedit)

Data File : VU031584.D
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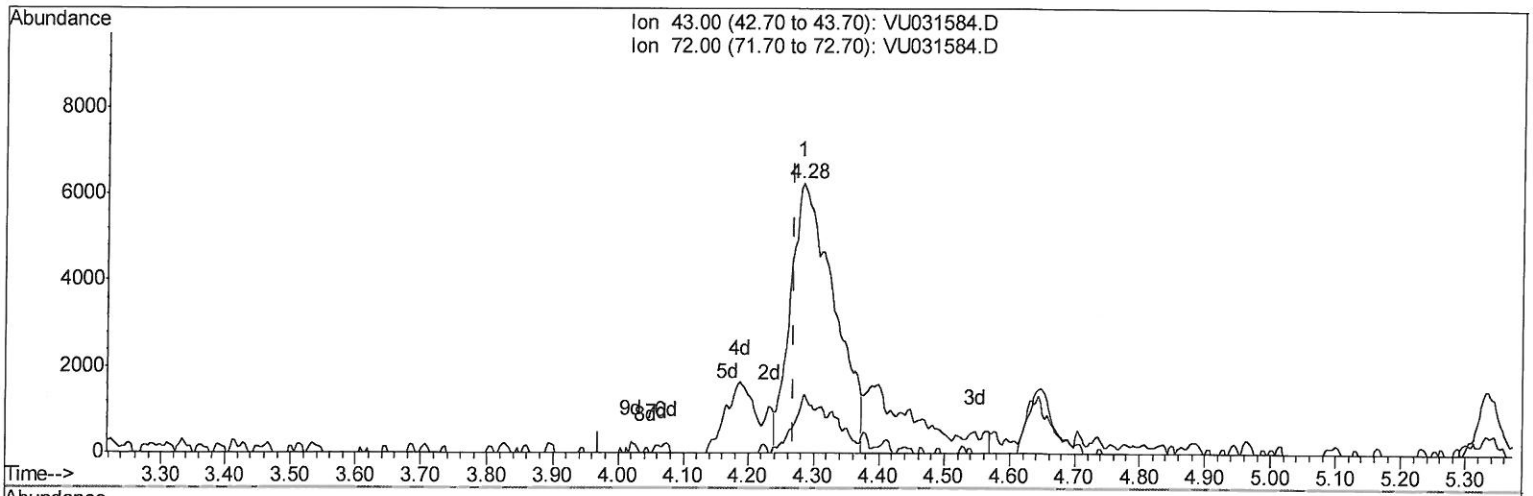
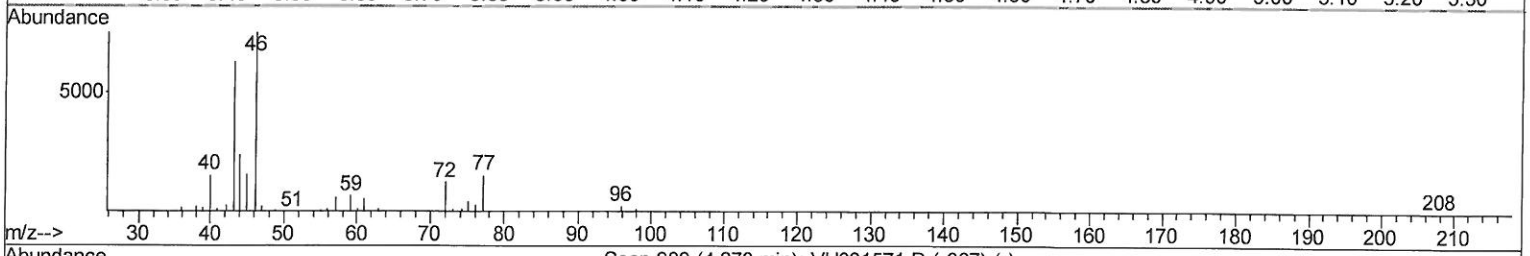
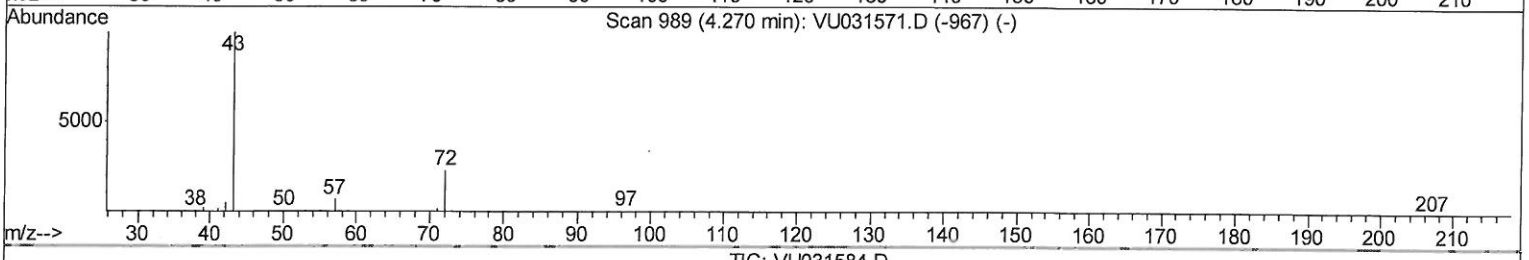
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 01:54:25 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0X82

**Manual Integrations APPROVED**
MMDadoda
4/30/2019 12:07:12 PM




TIC: VU031584.D

(22) 2-Butanone (T)

4.283min (+0.013) 4.51ug/L m

response 29079

7 MD 5/2/19

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 72.00 | 22.80 | 7.89# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042919\

Quantitation Report (QT Reviewed)

Data File : VU031584.D
Acq On : 29 Apr 2019 14:22
Operator : JC/SP
Sample : K2592-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0X82

**Manual Integrations APPROVED**
MMDadoda
4/30/2019 12:07:12 PM

Quant Time: Apr 30 03:43:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 01:54:25 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 681048 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 663060 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 250139 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 280361 | 49.19 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 98.38% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 232747 | 52.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 105.68% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 429178 | 37.81 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 75.62% | | | |
| 21) 2-Butanone-d5 | 4.18 | 46 | 587389 | 113.74 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 113.74% | | | |
| 24) Chloroform-d | 4.64 | 84 | 522834 | 50.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.16% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 363920 | 53.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 106.72% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 1037205 | 50.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 101.88% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 367014 | 51.23 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 102.46% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 857329 | 48.34 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 96.68% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 147963 | 48.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 96.24% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 343797 | 110.88 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 110.88% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 489991 | 50.97 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 101.94% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 277063 | 52.67 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 105.34% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 9) Trichlorofluoromethane | 1.88 | 101 | 114993 | 11.908 | ug/L | 98 |
| 13) Acetone | 2.33 | 43 | 408840 | 70.281 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 4.23 | 96 | 19171 | 3.228 | ug/L | 99 |
| 22) 2-Butanone | 4.28 | 43 | 29079m | 4.512 | ug/L | |
| 34) Trichloroethene | 6.19 | 95 | 33452 | 5.661 | ug/L | 97 |
| 46) Tetrachloroethene | 8.22 | 164 | 199933 | 49.629 | ug/L | 98 |

MD 5/2/19

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