Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111718\

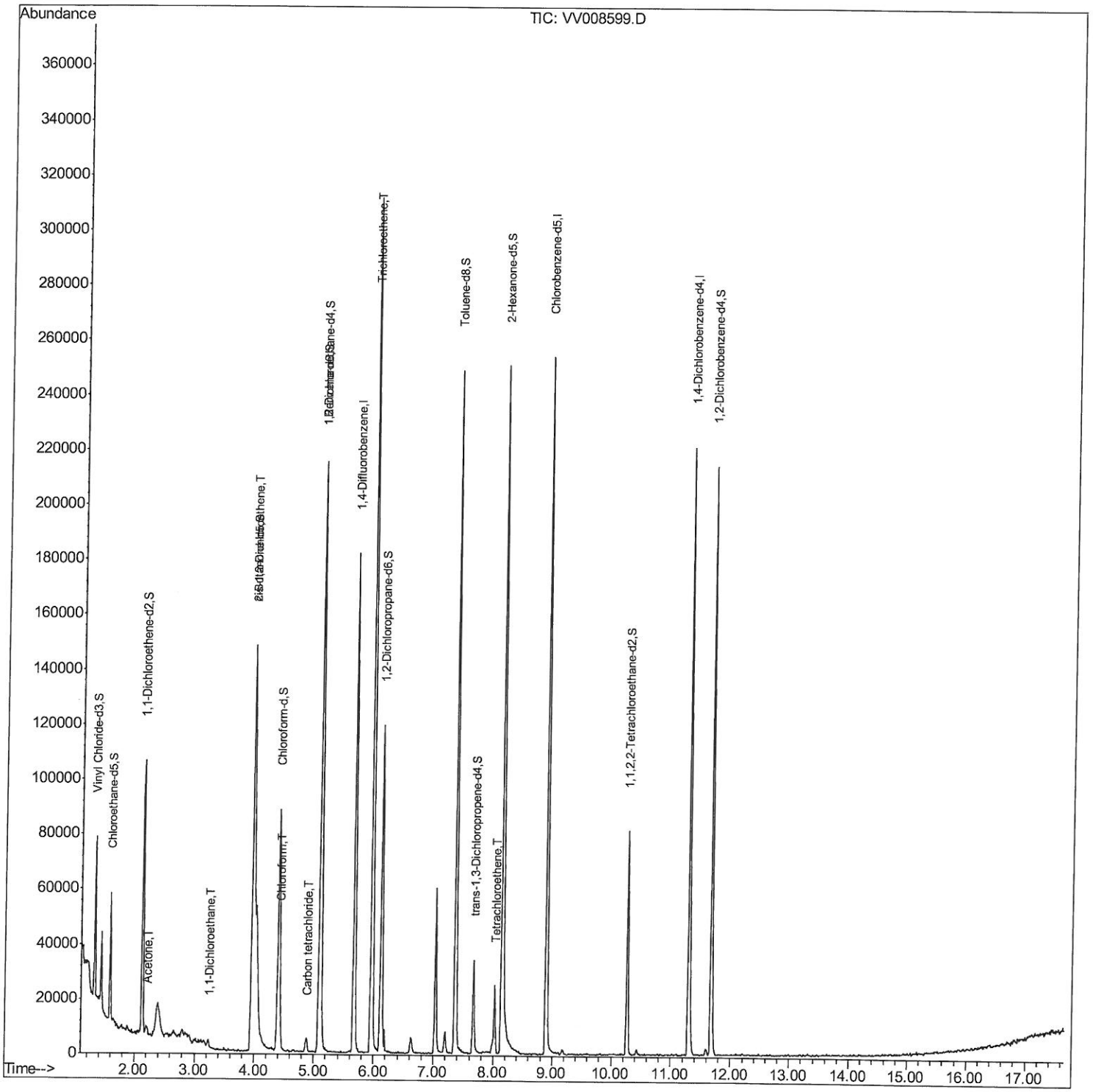
Quantitation Report (QT Reviewed)

Data File : VV008599.D
Acq On : 16 Nov 2018 22:57
Operator : SY/MD
Sample : J5988-03
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 17 05:41:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 04:38:54 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0JF3

**Manual Integrations APPROVED**
MMDadoda
11/17/2018 10:00:20 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111718\

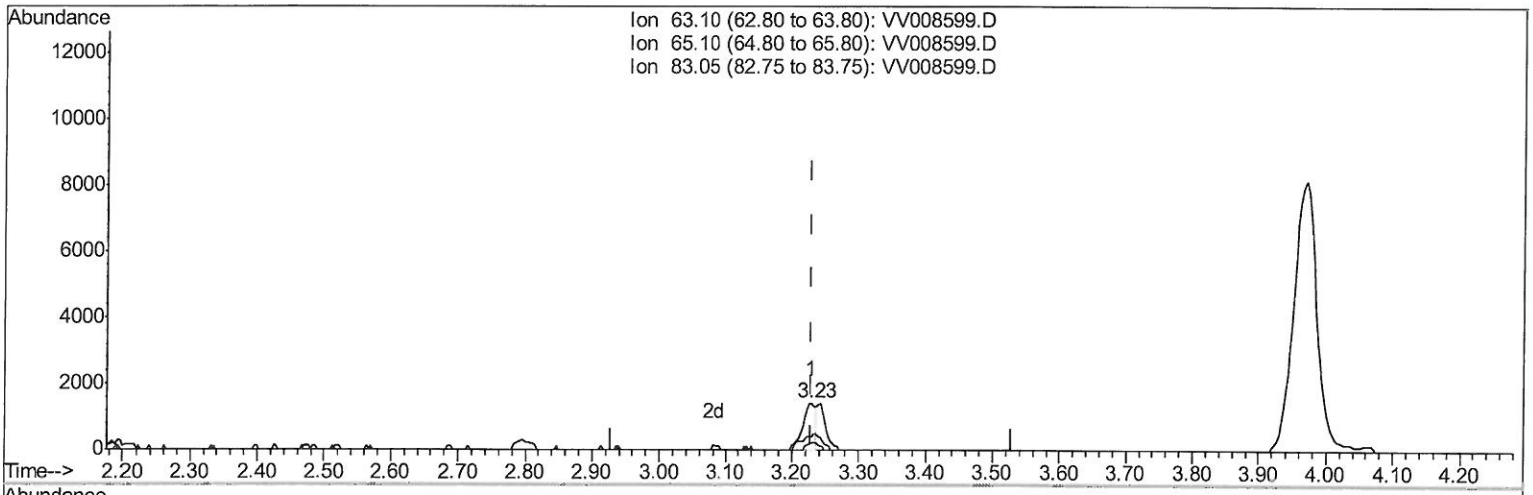
Quantitation Report (Qedit)

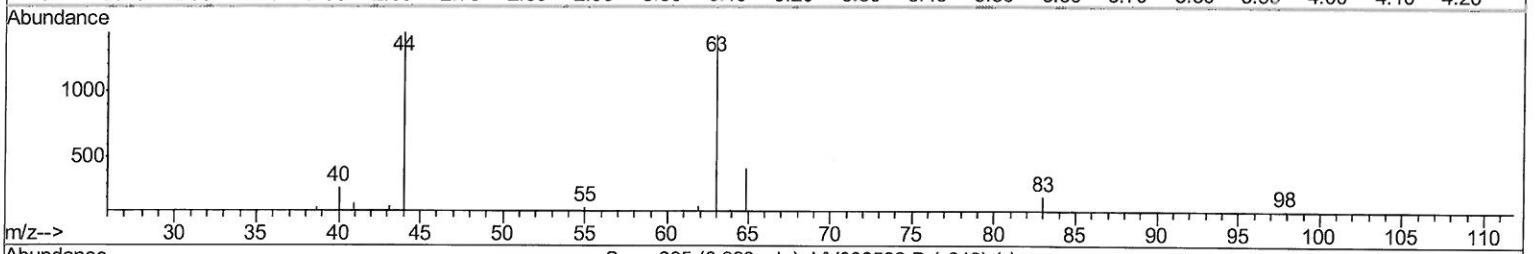
Data File : VV008599.D
Acq On : 16 Nov 2018 22:57
Operator : SY/MD
Sample : J5988-03
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

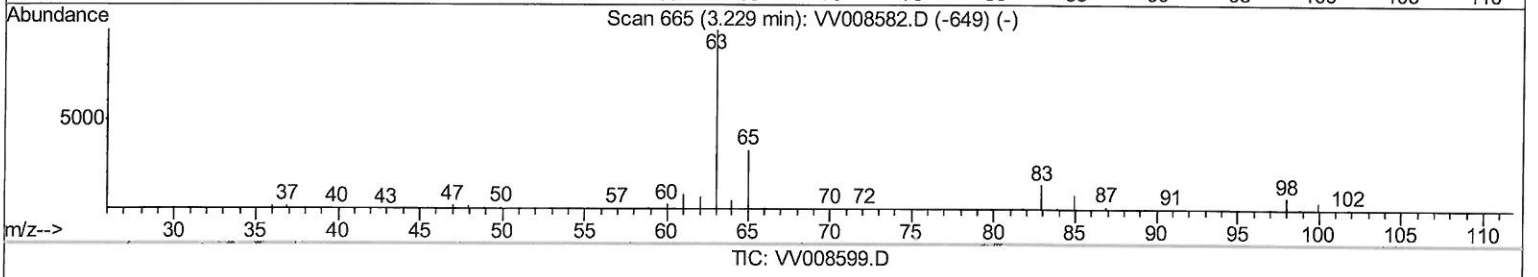
Quant Time: Nov 17 04:50:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 04:38:54 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0JF3

**Manual Integrations APPROVED**
MMDadoda
11/17/2018 10:00:20 AM




TIC: VV008599.D

(19) 1,1-Dichloroethane (T)

3.229min (+0.000) 0.10ug/L

response 1905

| Ion | Exp% | Act% |
|---|---|---|
| 63.10 | 100 | 100 |
| 65.10 | 33.10 | 29.47 |
| 83.05 | 13.60 | 15.05 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111718\

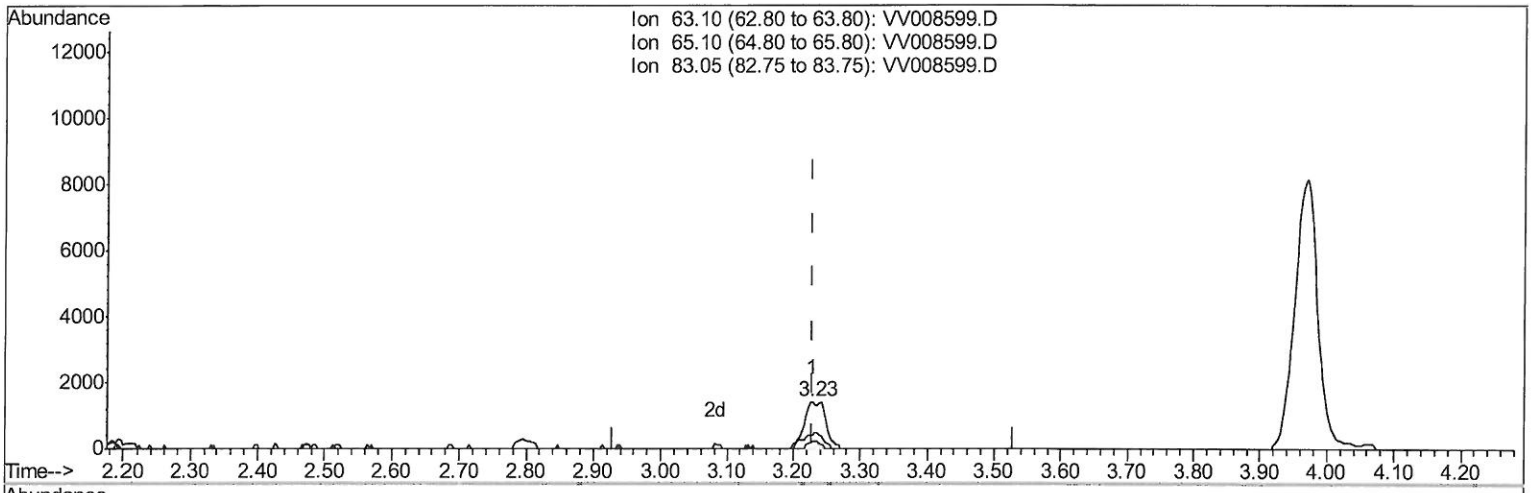
Quantitation Report (Qedit)

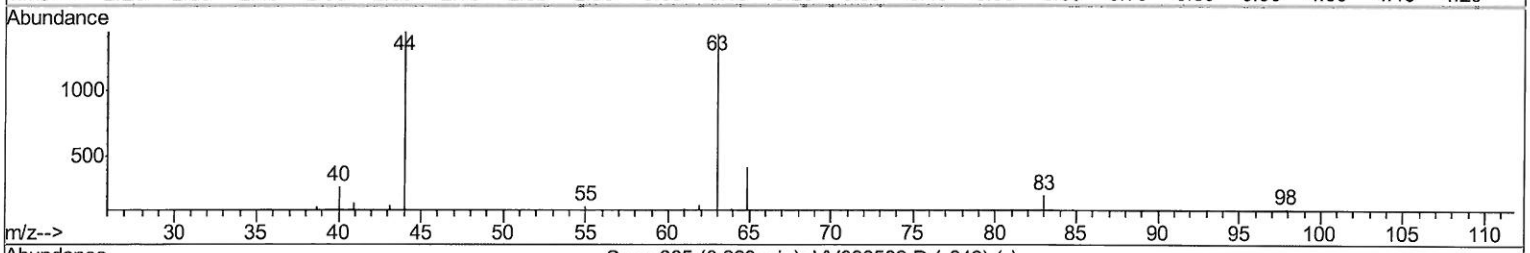
Data File : VV008599.D
Acq On : 16 Nov 2018 22:57
Operator : SY/MD
Sample : J5988-03
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

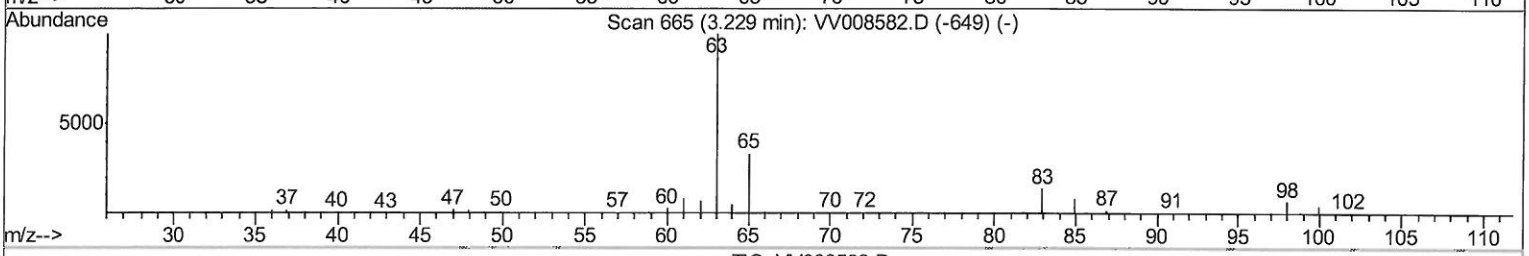
Quant Time: Nov 17 04:50:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 04:38:54 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0JF3

**Manual Integrations APPROVED**
MMDadoda
11/17/2018 10:00:20 AM




TIC: VV008599.D

(19) 1,1-Dichloroethane (T)

3.229min (+0.000) 0.16ug/L m

response 3163

| Ion | Exp% | Act% |
|---|---|---|
| 63.10 | 100 | 100 |
| 65.10 | 33.10 | 29.47 |
| 83.05 | 13.60 | 15.05 |
| 0.00 | 0.00 | 0.00 |

MD 11/17/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111718\

Quantitation Report (QT Reviewed)

Data File : VV008599.D
Acq On : 16 Nov 2018 22:57
Operator : SY/MD
Sample : J5988-03
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** C0JF3

**Manual Integrations APPROVED**
MMDadoda
11/17/2018 10:00:20 AM

Quant Time: Nov 17 05:41:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 04:38:54 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 154634 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 138903 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 60213 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 34366 | 5.01 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 100.20% | | | |
| 7) Chloroethane-d5 | 1.59 | 69 | 27935 | 4.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 98.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 52418 | 3.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 75.20% | | | |
| 20) 2-Butanone-d5 | 3.96 | 46 | 127290 | 51.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 103.58% | | | |
| 24) Chloroform-d | 4.41 | 84 | 89700 | 4.78 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 48685 | 5.09 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 101.80% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 184179 | 5.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 101.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 58831 | 5.03 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 100.60% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 166696 | 4.90 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 98.00% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 20784 | 4.66 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 93.20% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 100695 | 49.88 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 99.76% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84 | 39478 | 4.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 96.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 56165 | 5.17 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 103.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.21 | 43 | 3363 | 2.624 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 3163m | 0.161 | ug/L | |
| 22) cis-1,2-Dichloroethene | 3.97 | 96 | 44175 | 3.761 | ug/L | 96 |
| 25) Chloroform | 4.44 | 83 | 4228 | 0.170 | ug/L | 98 |
| 31) Carbon tetrachloride | 4.88 | 117 | 3867 | 0.259 | ug/L | 98 |
| 34) Trichloroethene | 5.96 | 95 | 111425 | 9.573 | ug/L | 98 |
| 47) Tetrachloroethene | 8.02 | 164 | 5209 | 0.618 | ug/L | 96 |

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