Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\

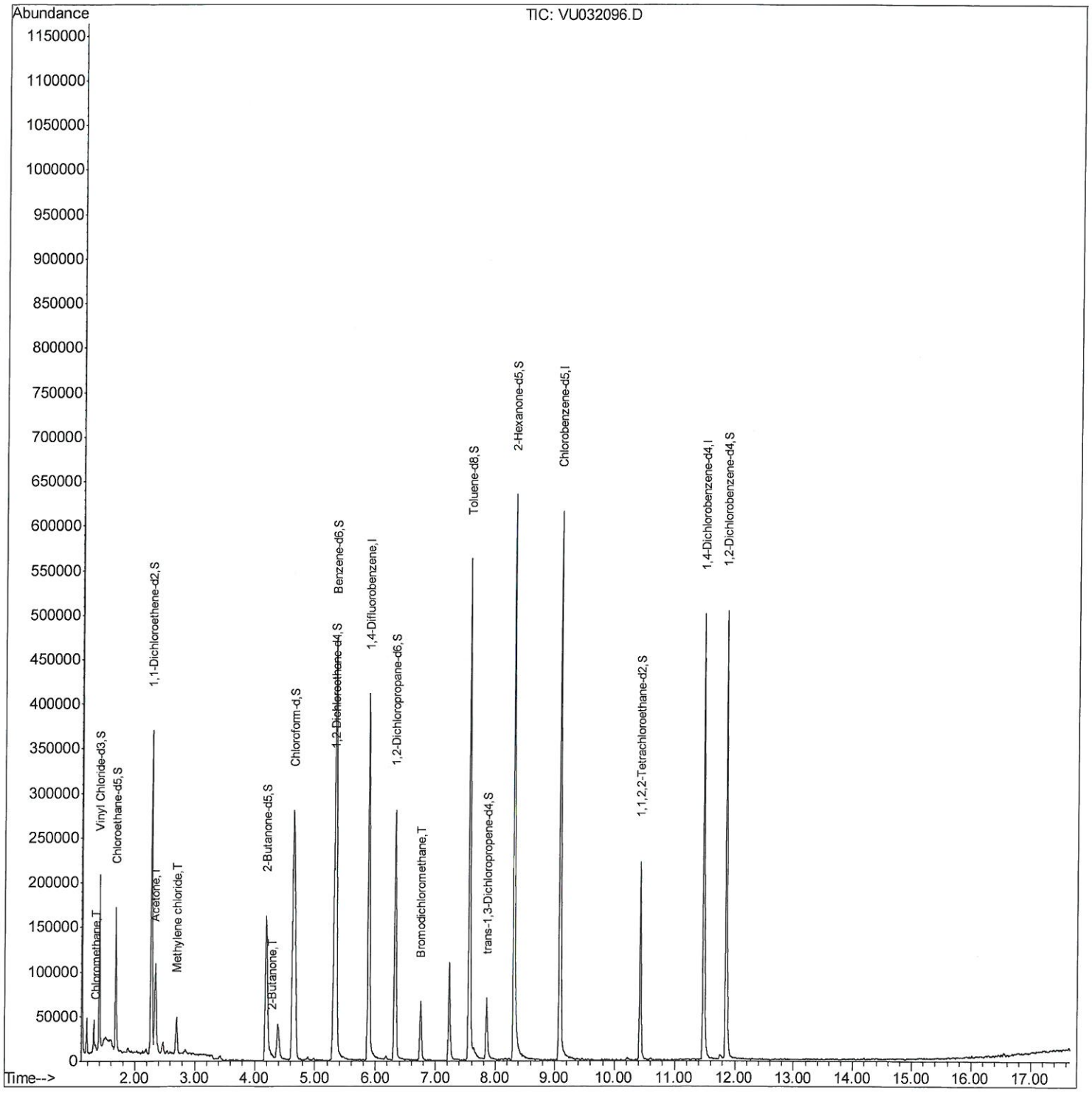
Quantitation Report (QT Reviewed)

Data File : VU032096.D
Acq On : 17 May 2019 11:34
Operator : JC/SP
Sample : K2859-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 59 Sample Multiplier: 1

Quant Time: May 18 02:28:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 01:51:41 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
F9W46

**Manual Integrations APPROVED**
MMDadoda
5/20/2019 3:40:44 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\

Quantitation Report (Qedit)

Data File : VU032096.D
Acq On : 17 May 2019 11:34
Operator : JC/SP
Sample : K2859-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 59 Sample Multiplier: 1

Quant Time: May 18 01:55:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 01:51:41 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
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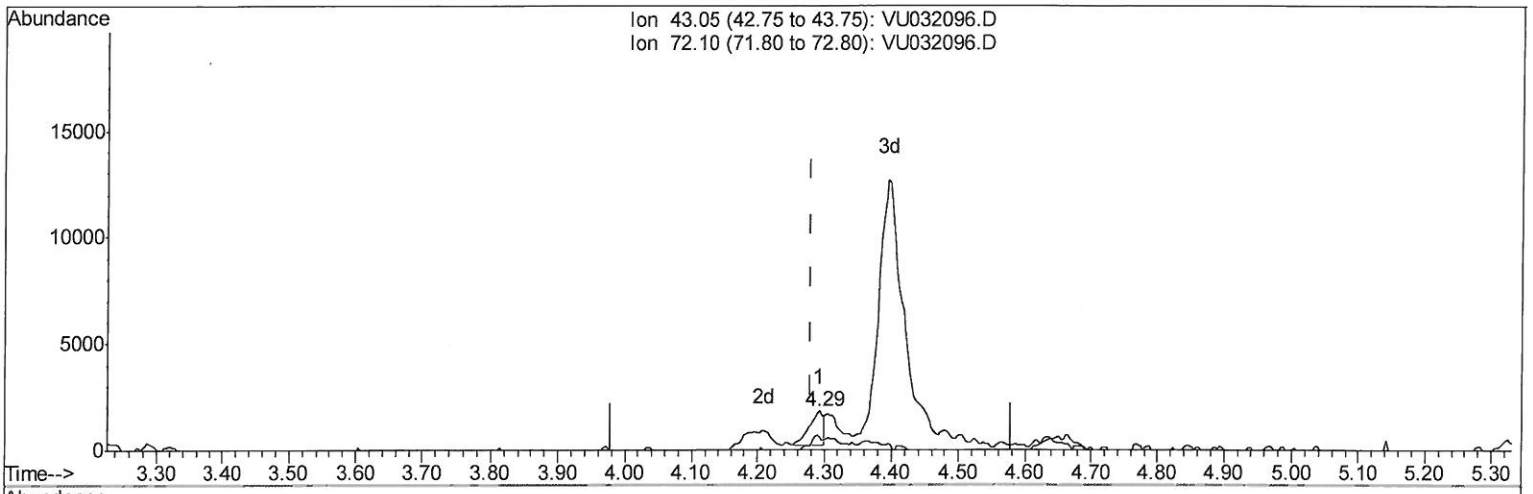
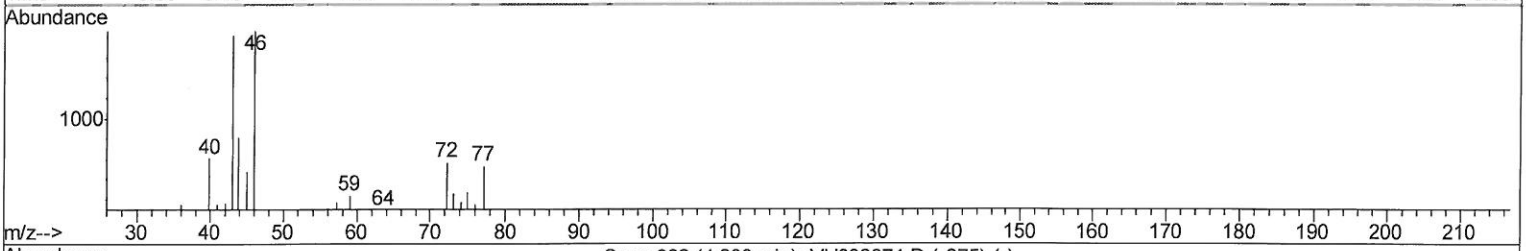
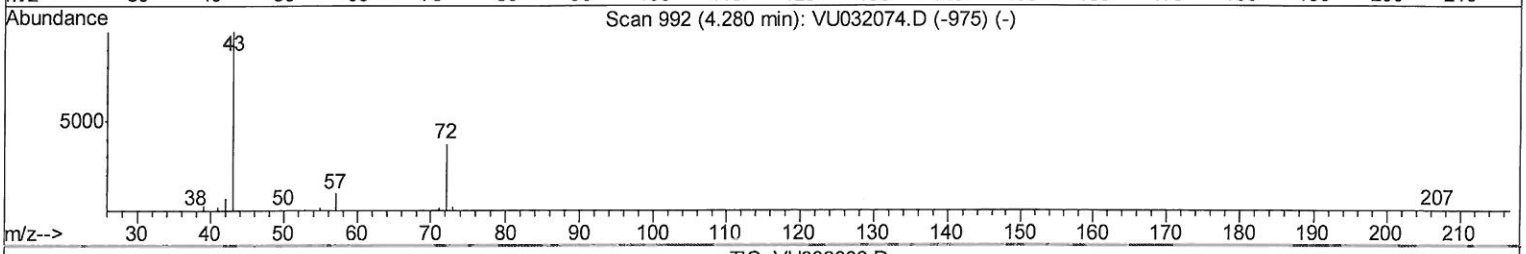
**Manual Integrations APPROVED**
MMDadoda
5/20/2019 3:40:44 PM




TIC: VU032096.D

(21) 2-Butanone (T)

4.292min (+0.013) 0.80ug/L

response 2326

| Ion | Exp% | Act% |
|---|---|---|
| 43.05 | 100 | 100 |
| 72.10 | 33.50 | 30.61 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\

Quantitation Report (Qedit)

Data File : VU032096.D
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Operator : JC/SP
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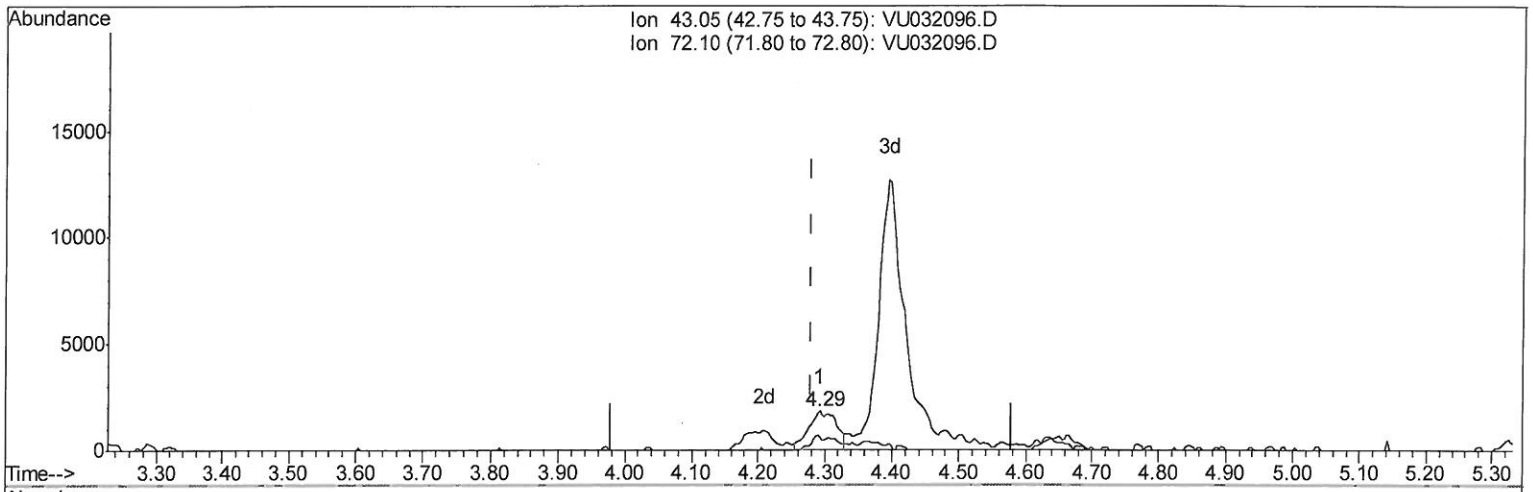
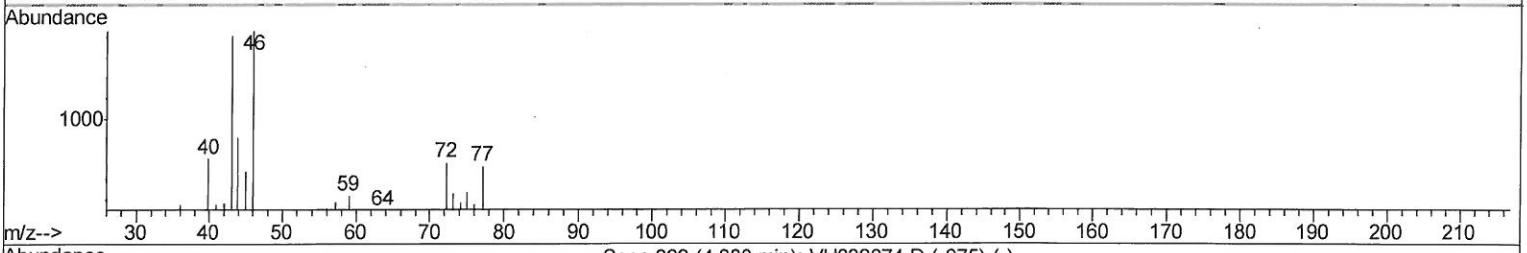
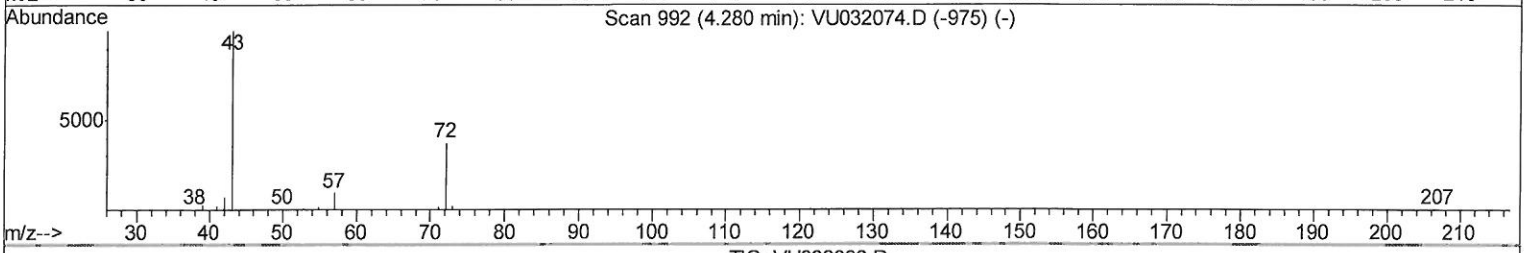
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 01:51:41 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
F9W46

**Manual Integrations APPROVED**
MMDadoda
5/20/2019 3:40:44 PM




TIC: VU032096.D

(21) 2-Butanone (T)

4.292min (+0.013) 1.80ug/L m

response 5218

| Ion | Exp% | Act% |
|---|---|---|
| 43.05 | 100 | 100 |
| 72.10 | 33.50 | 13.65# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MMD 5/21/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\

Quantitation Report (QT Reviewed)

Data File : VU032096.D
Acq On : 17 May 2019 11:34
Operator : JC/SP
Sample : K2859-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 59 Sample Multiplier: 1

Quant Time: May 18 02:28:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 01:51:41 2019
Response via : Initial Calibration

**Instrument :** MSVOA_U
**ClientSampleId :** F9W46

**Manual Integrations APPROVED**
MMDadoda
5/20/2019 3:40:44 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 371131 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 379271 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 145895 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 132587 | 4.24 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 84.80% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 116437 | 4.36 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 87.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 190601 | 3.83 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 76.60% | | | |
| 20) 2-Butanone-d5 | 4.19 | 46 | 244222 | 39.79 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 79.58% | | | |
| 24) Chloroform-d | 4.64 | 84 | 249655 | 4.54 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 90.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 121857 | 4.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 86.00% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 506429 | 4.38 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 145256 | 4.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 86.00% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 411615 | 4.04 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 80.80% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 46918 | 3.85 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 77.00% | | | |
| 46) 2-Hexanone-d5 | 8.31 | 63 | 222232 | 40.42 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 80.84% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 115419 | 4.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 83.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 151608 | 4.90 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 98.00% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 3) Chloromethane | 1.33 | 50 | 4917 | 0.276 | ug/L | 96 |
| 13) Acetone | 2.32 | 43 | 41244 | 20.469 | ug/L | 95 |
| 16) Methylene chloride | 2.70 | 84 | 20756 | 1.167 | ug/L | 92 |
| 21) 2-Butanone | 4.29 | 43 | 5218m | 1.804 | ug/L | |
| 38) Bromodichloromethane | 6.76 | 83 | 48207 | 2.647 | ug/L | 99 |

MMD 5/21/19

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