Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032519\

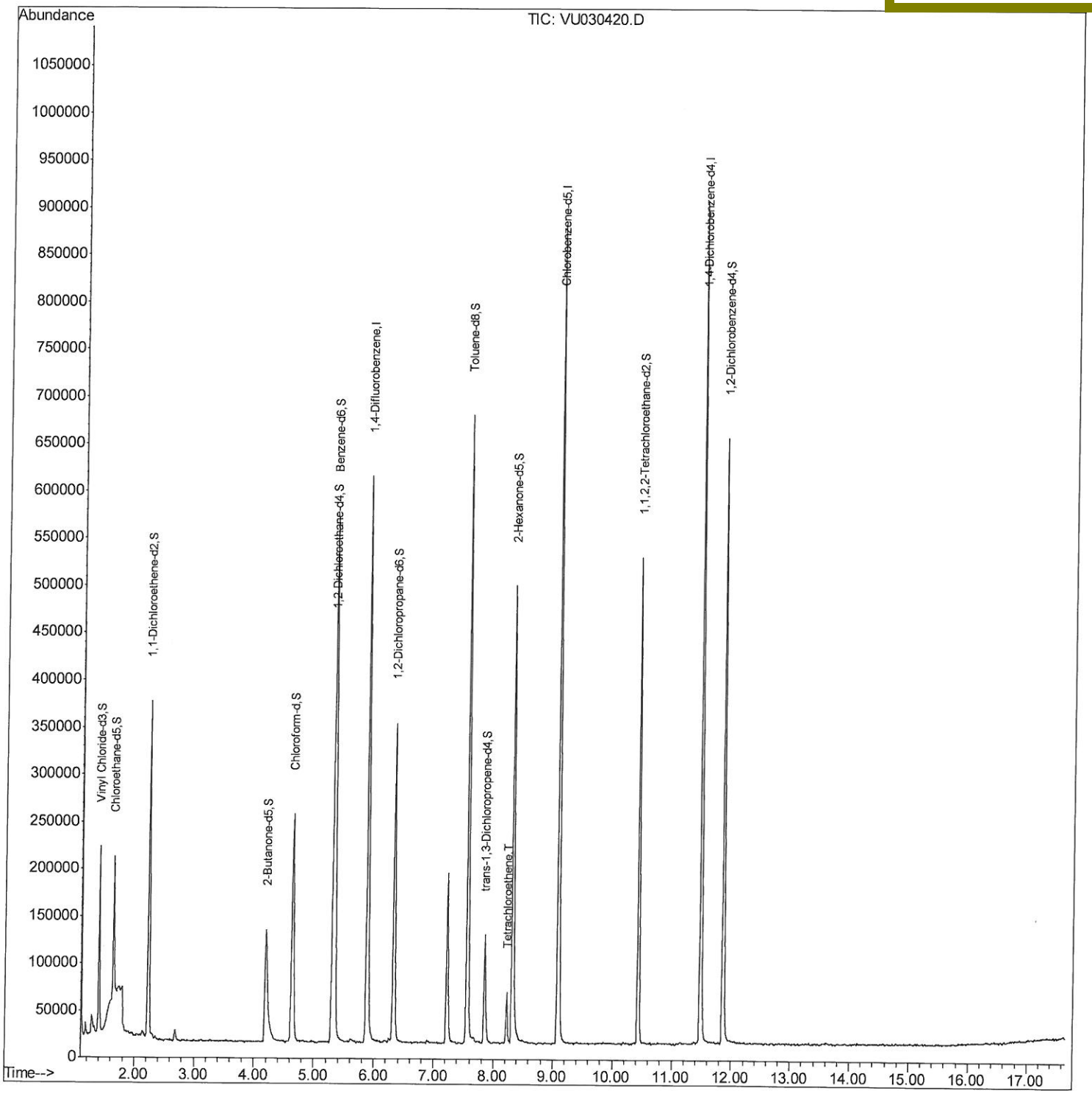
Quantitation Report (QT Reviewed)

Data File : VU030420.D
Acq On : 25 Mar 2019 22:15
Operator : JC/SP
Sample : K2062-16ME
Misc : 4.99g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 26 03:55:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 01:25:56 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0H3ME

**Manual Integrations APPROVED**
MMDadoda
3/26/2019 1:37:12 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032519\

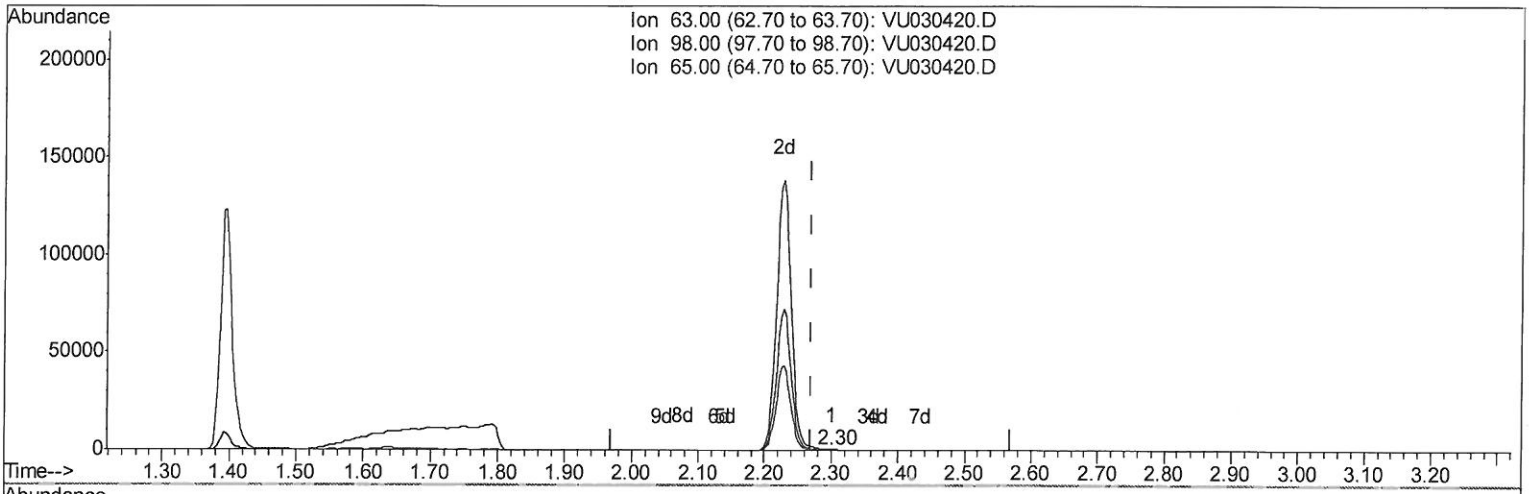
Quantitation Report (Qedit)

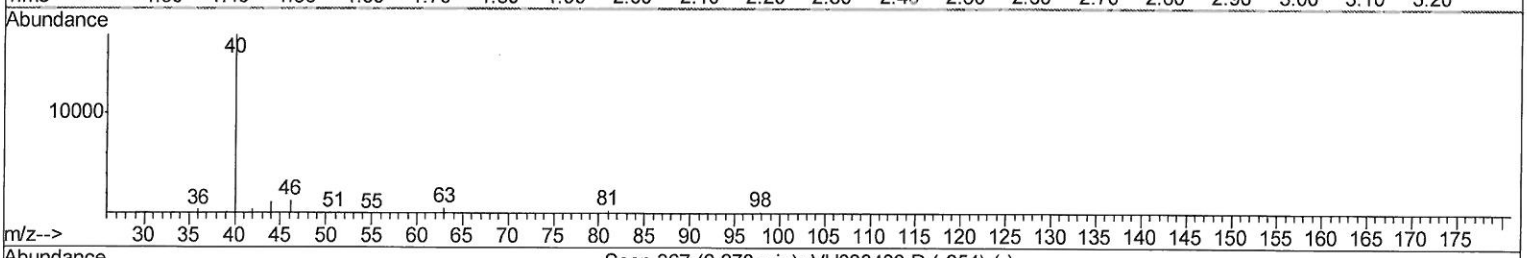
Data File : VU030420.D
Acq On : 25 Mar 2019 22:15
Operator : JC/SP
Sample : K2062-16ME
Misc : 4.99g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

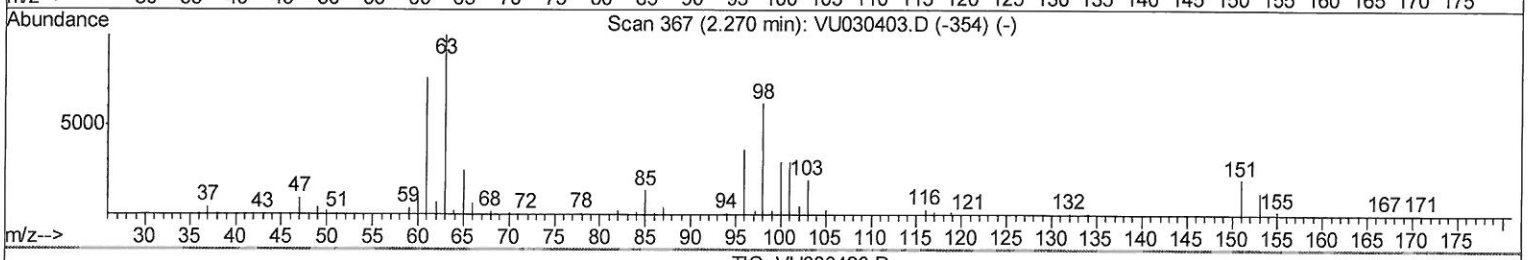
Quant Time: Mar 26 01:32:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 01:25:56 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0H3ME

**Manual Integrations APPROVED**
MMDadoda
3/26/2019 1:37:12 PM




TIC: VU030420.D

(11) 1,1-Dichloroethene-d2 (S)

2.302min (+0.032) 0.04ug/L

response 342

| Ion | Exp% | Act% |
|---|---|---|
| 63.00 | 100 | 100 |
| 98.00 | 68.80 | 0.00# |
| 65.00 | 23.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032519\

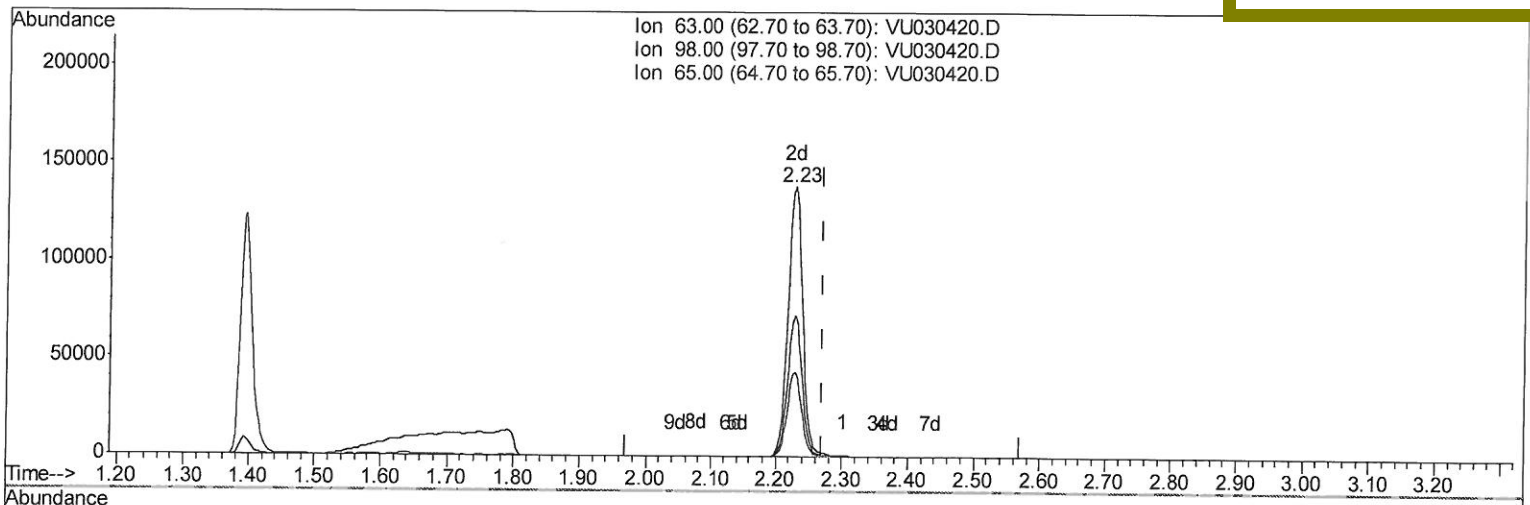
Quantitation Report (Qedit)

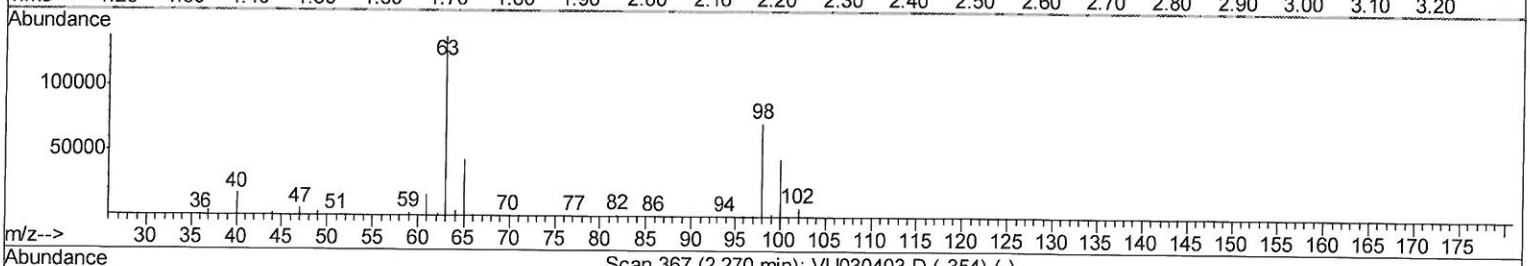
Data File : VU030420.D
Acq On : 25 Mar 2019 22:15
Operator : JC/SP
Sample : K2062-16ME
Misc : 4.99g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

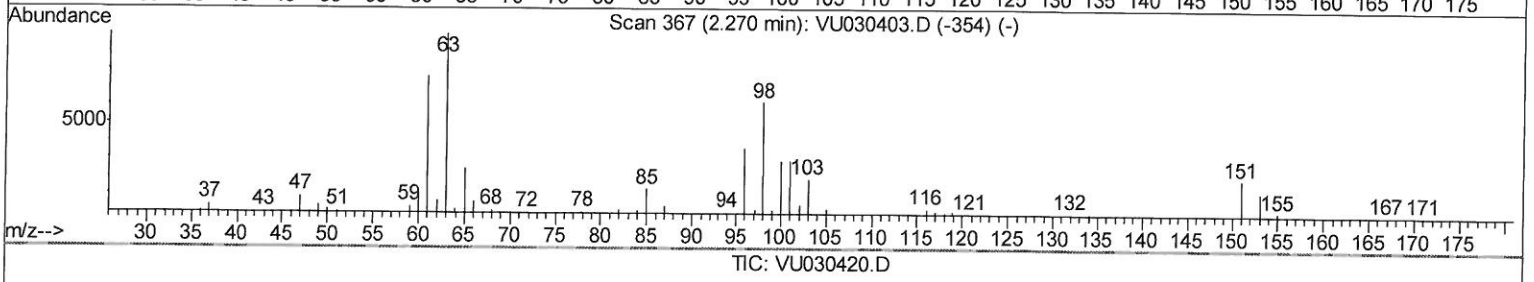
Quant Time: Mar 26 01:32:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 01:25:56 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0H3ME

**Manual Integrations APPROVED**
MMDadoda
3/26/2019 1:37:12 PM




TIC: VU030420.D

(11) 1,1-Dichloroethene-d2 (S)

2.228min (-0.042) 27.44ug/L m

response 212568

| Ion | Exp% | Act% |
|---|---|---|
| 63.00 | 100 | 100 |
| 98.00 | 68.80 | 0.00# |
| 65.00 | 23.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

3/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032519\

Quantitation Report (QT Reviewed)

Data File : VU030420.D
Acq On : 25 Mar 2019 22:15
Operator : JC/SP
Sample : K2062-16ME
Misc : 4.99g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF0H3ME

**Manual Integrations APPROVED**
MMDadoda
3/26/2019 1:37:12 PM

Quant Time: Mar 26 03:55:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 01:25:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 507354 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 497691 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 222664 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 151122 | 37.01 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 74.02% | | | |
| 7) Chloroethane-d5 | 1.64 | 69 | 96799 | 29.91 | ug/L | -0.03 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 59.82%# | | | |
| 11) 1,1-Dichloroethene-d2 | 2.23 | 63 | 212568m | 27.44 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 54.88%# | | | |
| 21) 2-Butanone-d5 | 4.19 | 46 | 260662 | 67.91 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 67.91% | | | |
| 24) Chloroform-d | 4.64 | 84 | 248188 | 35.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 70.56% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.30 | 65 | 168756 | 36.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 73.32% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 520713 | 36.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 72.96% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 182945 | 37.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 74.92% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 456757 | 35.63 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 71.26%# | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 75949 | 33.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 66.16% | | | |
| 47) 2-Hexanone-d5 | 8.32 | 63 | 195799 | 73.99 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 73.99% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 267357 | 38.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 76.52% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 168212 | 37.70 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 75.40%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 46) Tetrachloroethene | 8.22 | 164 | 13368 | 4.595 | ug/L | 93 |

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