Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

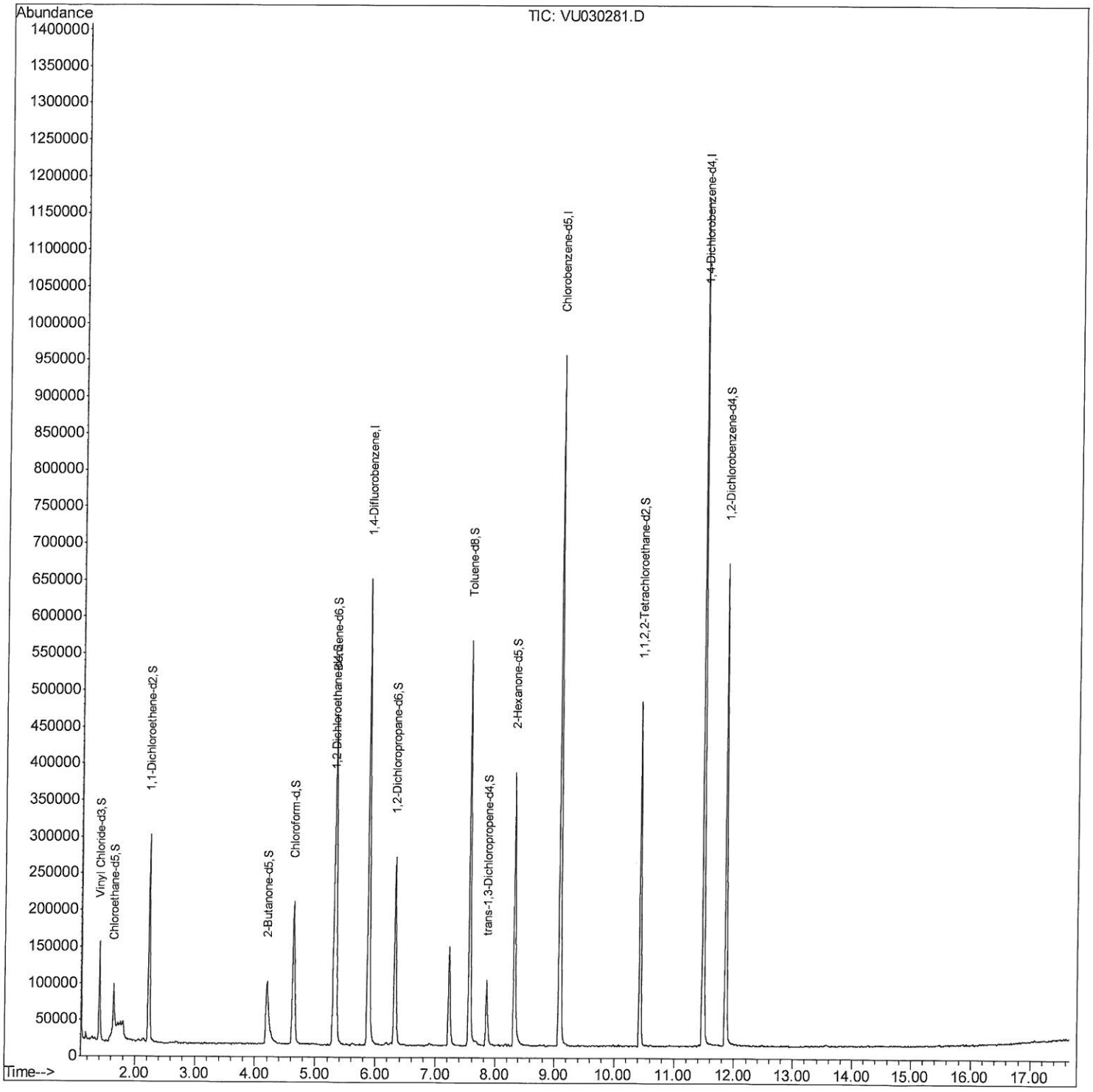
Quantitation Report (QT/LSC Reviewed)

Data File : VU030281.D
Acq On : 21 Mar 2019 21:15
Operator : JC/SP
Sample : K2017-13
Misc : 5.25g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Mar 22 06:28:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0D9

**Manual Integrations APPROVED**
MMDadoda
3/22/2019 1:06:01 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

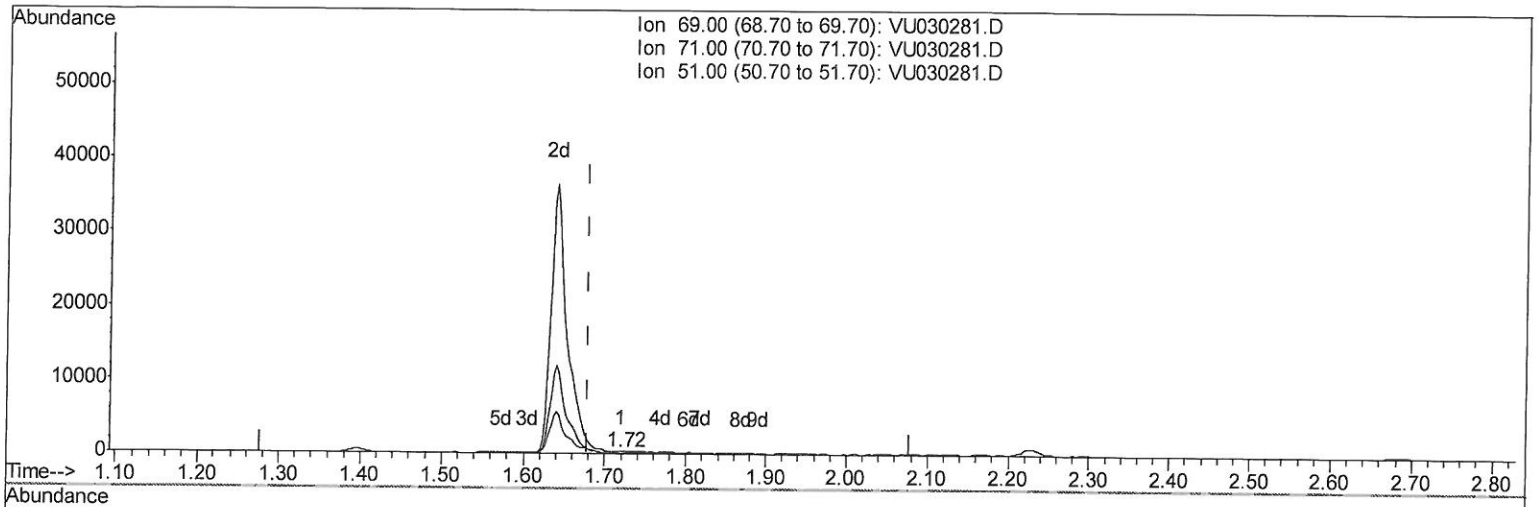
Quantitation Report (Qedit)

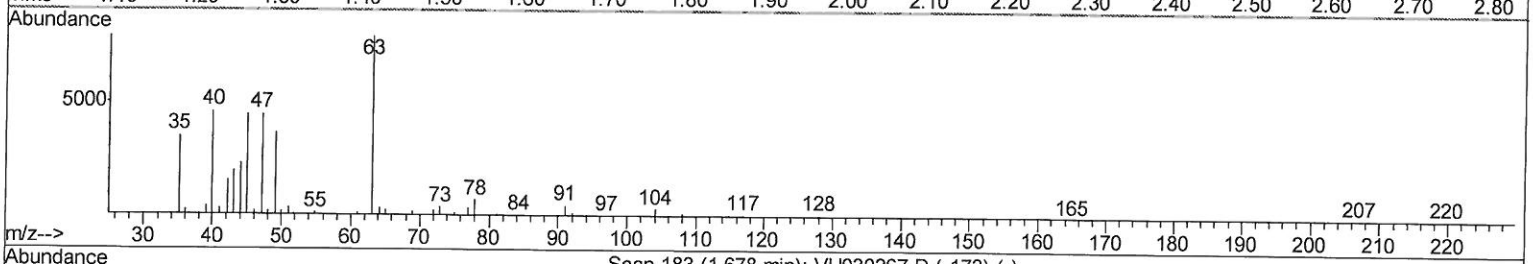
Data File : VU030281.D
Acq On : 21 Mar 2019 21:15
Operator : JC/SP
Sample : K2017-13
Misc : 5.25g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 32 Sample Multiplier: 1

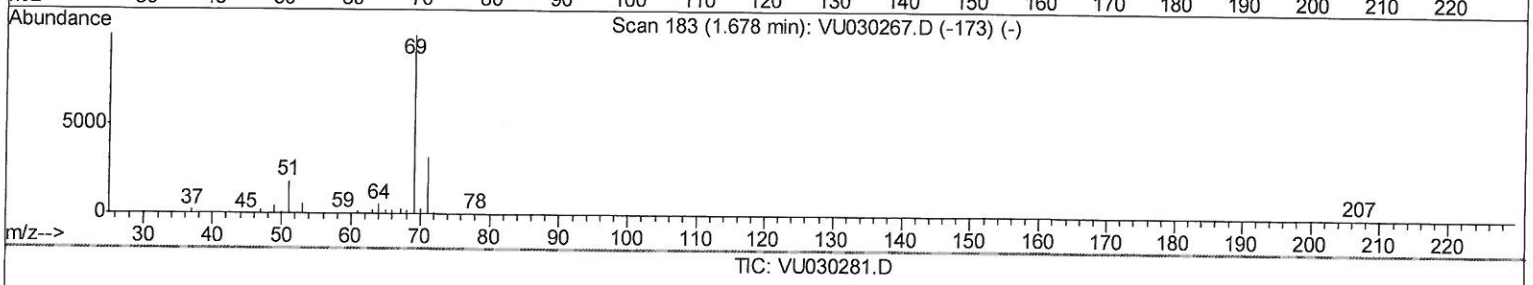
Quant Time: Mar 22 05:19:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0D9

**Manual Integrations APPROVED**
MMDadoda
3/22/2019 1:06:01 PM




TIC: VU030281.D

(7) Chloroethane-d5 (S)

1.720min (+0.042) 0.02ug/L

response 83

| Ion | Exp% | Act% |
|---|---|---|
| 69.00 | 100 | 100 |
| 71.00 | 31.60 | 102.41# |
| 51.00 | 24.00 | 268.67# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

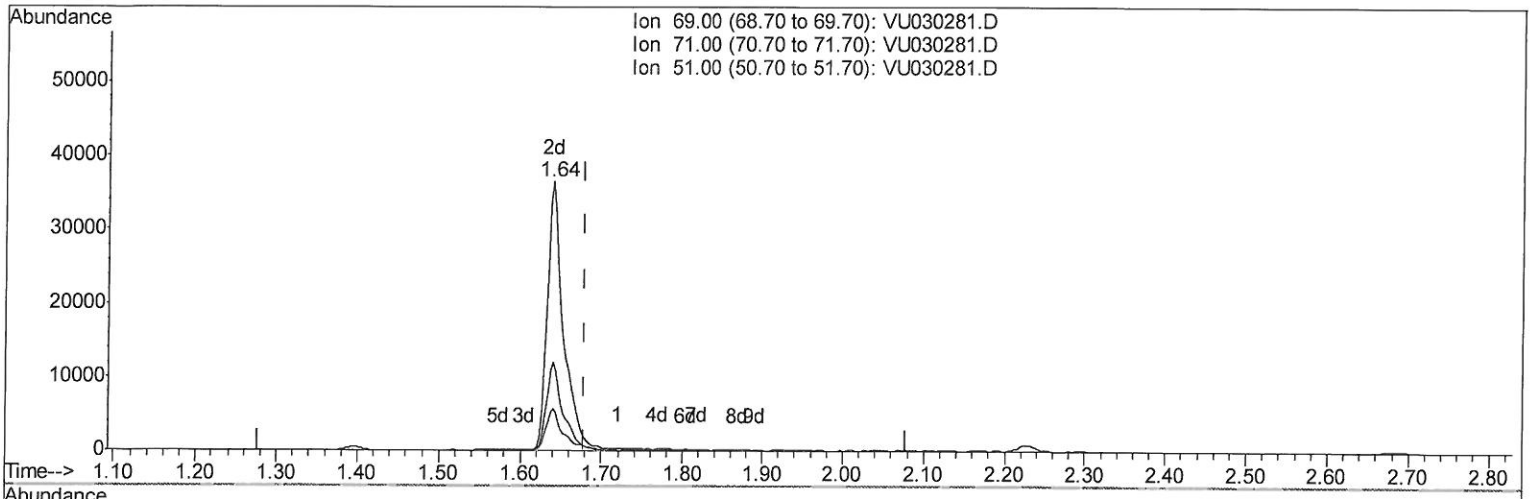
Quantitation Report (Qedit)

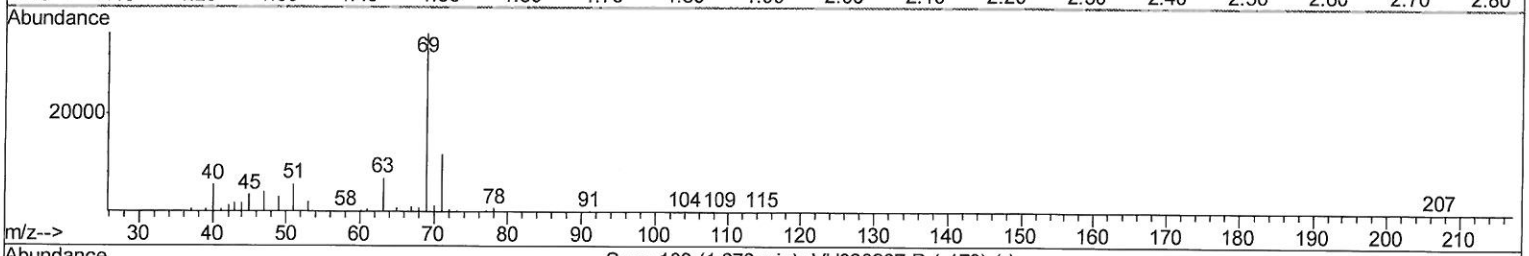
Data File : VU030281.D
Acq On : 21 Mar 2019 21:15
Operator : JC/SP
Sample : K2017-13
Misc : 5.25g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 32 Sample Multiplier: 1

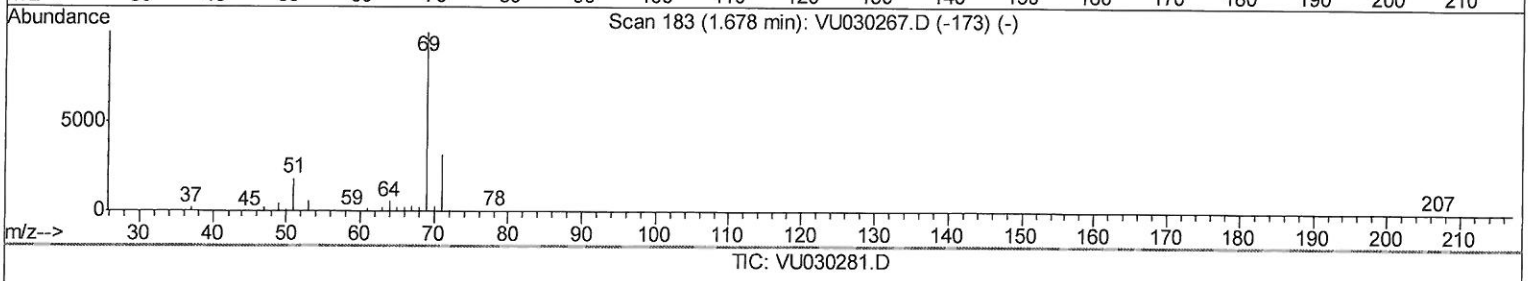
Quant Time: Mar 22 05:19:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0D9

**Manual Integrations APPROVED**
MMDadoda
3/22/2019 1:06:01 PM




TIC: VU030281.D

(7) Chloroethane-d5 (S)

1.640min (-0.039) 15.25ug/L m

response 50862

| Ion | Exp% | Act% |
|---|---|---|
| 69.00 | 100 | 100 |
| 71.00 | 31.60 | 0.17# |
| 51.00 | 24.00 | 0.44# |
| 0.00 | 0.00 | 0.00 |

> MC 3/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\

Quantitation Report (QT/LSC Reviewed)

Data File : VU030281.D
Acq On : 21 Mar 2019 21:15
Operator : JC/SP
Sample : K2017-13
Misc : 5.25g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BF0D9

**Manual Integrations APPROVED**
MMDadoda
3/22/2019 1:06:01 PM

Quant Time: Mar 22 06:28:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 616772 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 628591 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 328445 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 116835 | 28.01 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = | 56.02%# | | |
| 7) Chloroethane-d5 | 1.64 | 69 | 50862m | 15.25 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = | 30.50%# | | |
| 11) 1,1-Dichloroethene-d2 | 2.23 | 63 | 159012 | 20.90 | ug/L | -0.05 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = | 41.80%# | | |
| 21) 2-Butanone-d5 | 4.20 | 46 | 176844 | 57.16 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = | 57.16% | | |
| 24) Chloroform-d | 4.64 | 84 | 213135 | 27.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = | 55.70%# | | |
| 26) 1,2-Dichloroethane-d4 | 5.30 | 65 | 128268 | 29.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = | 58.76%# | | |
| 32) Benzene-d6 | 5.33 | 84 | 467690 | 28.23 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = | 56.46%# | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 144260 | 28.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = | 56.30%# | | |
| 41) Toluene-d8 | 7.56 | 98 | 422749 | 27.14 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = | 54.28%# | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 66565 | 26.67 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = | 53.34%# | | |
| 47) 2-Hexanone-d5 | 8.32 | 63 | 164102 | 61.74 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = | 61.74% | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 243998 | 31.04 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = | 62.08%# | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 192780 | 29.23 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = | 58.46%# | | |

| Target Compounds | Qvalue |
|---|---|

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