Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030919\

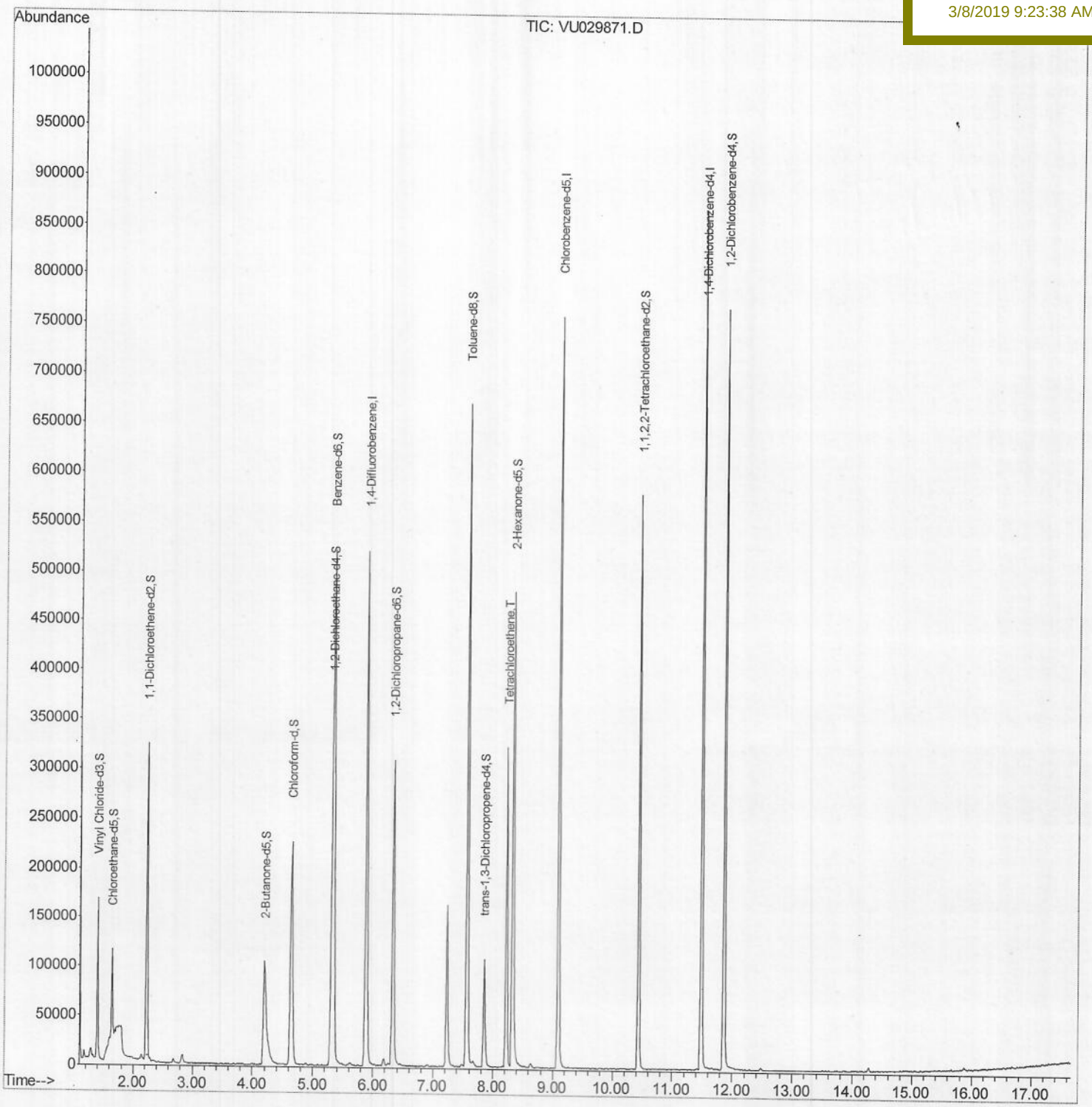
Quantitation Report (QT Reviewed)

Data File : VU029871.D
Acq On : 07 Mar 2019 23:17
Operator : JC/SP
Sample : K1789-08ME
Misc : 5.60g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 08 07:16:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0P4ME

**Manual Integrations APPROVED**
MMDadoda
3/8/2019 9:23:38 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030919\

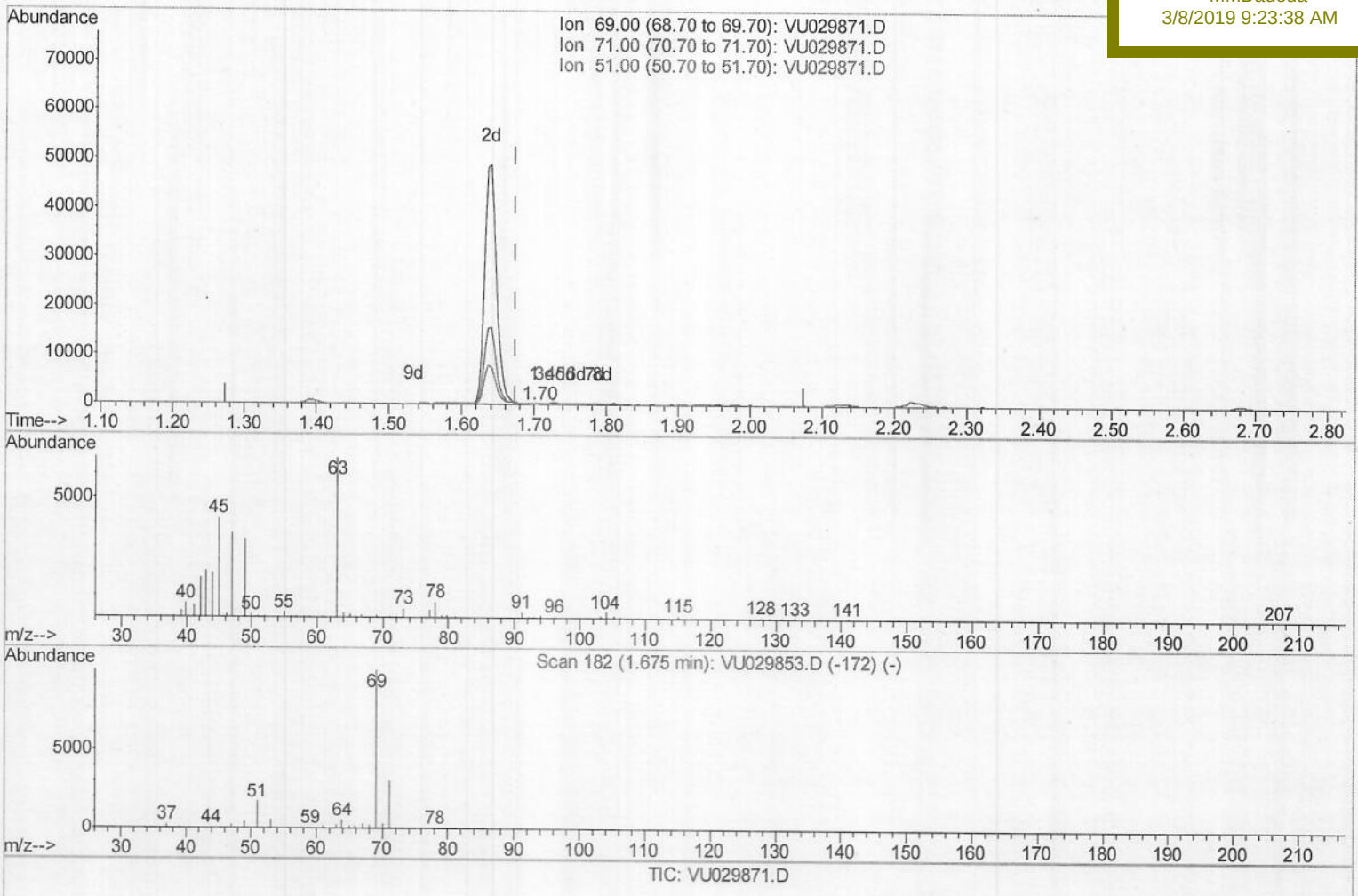
Quantitation Report (Qedit)

Data File : VU029871.D
Acq On : 07 Mar 2019 23:17
Operator : JC/SP
Sample : K1789-08ME
Misc : 5.60g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 08 04:37:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0P4ME

**Manual Integrations APPROVED**
MMDadoda
3/8/2019 9:23:38 AM




TIC: VU029871.D

(7) Chloroethane-d5 (S)

1.701min (+0.026) 0.03ug/L

response 105

| Ion | Exp% | Act% |
|---|---|---|
| 69.00 | 100 | 100 |
| 71.00 | 33.40 | 31.43 |
| 51.00 | 25.00 | 36.19# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030919\

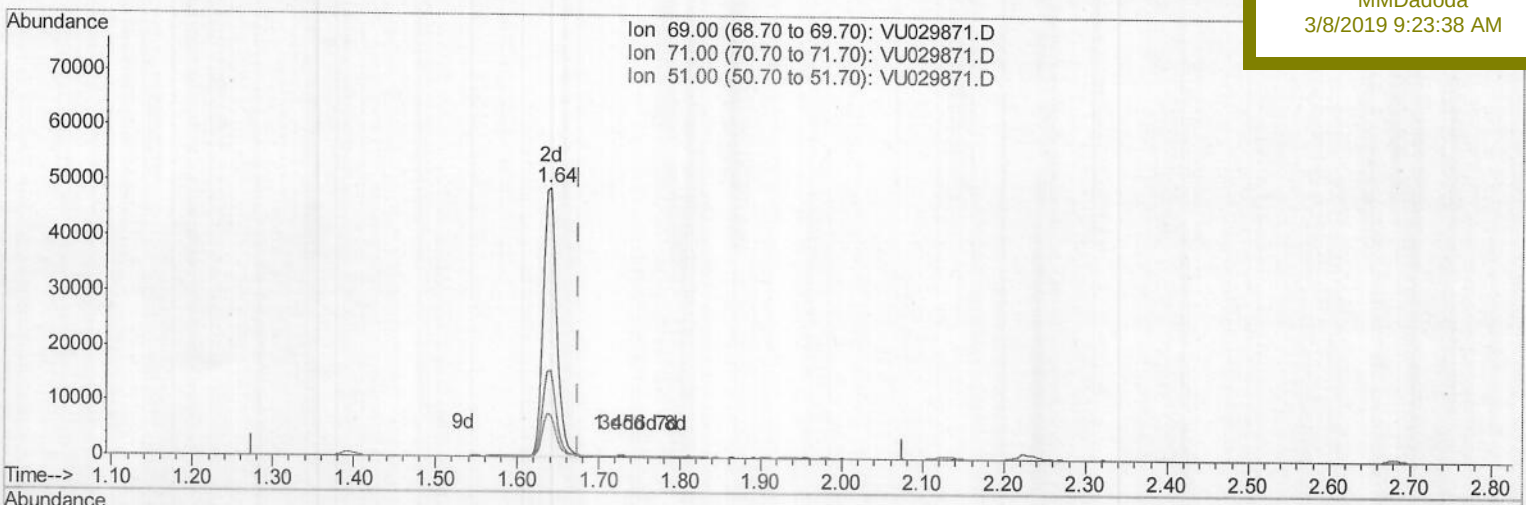
Quantitation Report (Qedit)

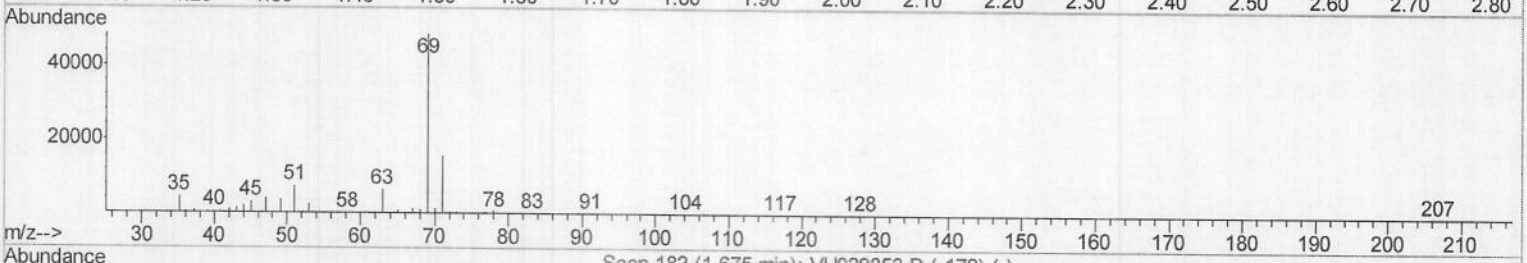
Data File : VU029871.D
Acq On : 07 Mar 2019 23:17
Operator : JC/SP
Sample : K1789-08ME
Misc : 5.60g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 22 Sample Multiplier: 1

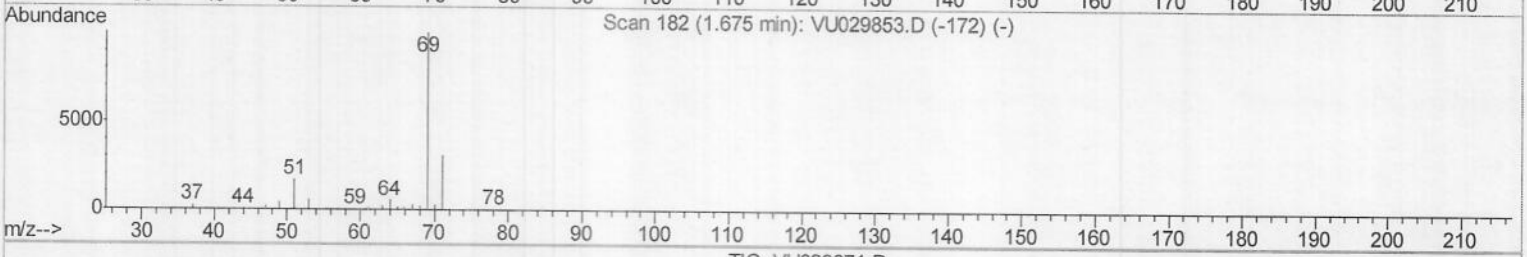
Quant Time: Mar 08 04:37:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BF0P4ME

**Manual Integrations APPROVED**
MMDadoda
3/8/2019 9:23:38 AM




TIC: VU029871.D

(7) Chloroethane-d5 (S)

1.640min (-0.035) 16.82ug/L m

response 54570

M.D 03/20/19

| Ion | Exp% | Act% |
|---|---|---|
| 69.00 | 100 | 100 |
| 71.00 | 33.40 | 0.06# |
| 51.00 | 25.00 | 0.07# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030919\

Quantitation Report (QT Reviewed)

Data File : VU029871.D
Acq On : 07 Mar 2019 23:17
Operator : JC/SP
Sample : K1789-08ME
Misc : 5.60g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 08 07:16:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

**Instrument :** MSVOA_U
**ClientSampleId :** BF0P4ME

**Manual Integrations APPROVED**
MMDadoda
3/8/2019 9:23:38 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 498147 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 485048 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 252085 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 117718 | 32.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 64.50% | | | |
| 7) Chloroethane-d5 | 1.64 | 69 | 54570m | 16.82 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 33.64%# | | | |
| 11) 1,1-Dichloroethene-d2 | 2.23 | 63 | 172894 | 24.23 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 48.46%# | | | |
| 21) 2-Butanone-d5 | 4.20 | 46 | 228640 | 102.93 | ug/L | 0.03 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 102.93% | | | |
| 24) Chloroform-d | 4.64 | 84 | 245376 | 41.45 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 82.90% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.30 | 65 | 160956 | 42.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 85.88% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 532257 | 43.61 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 87.22% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 169997 | 46.29 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 92.58% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 487379 | 39.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 78.26%# | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 75645 | 38.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 77.68% | | | |
| 47) 2-Hexanone-d5 | 8.32 | 63 | 208609 | 102.02 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 102.02% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 294658 | 47.49 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 94.98% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 226309 | 41.66 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 83.32% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 46) Tetrachloroethene | 8.22 | 164 | 80297 | 24.488 | ug/L | 97 |

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

M.D 03/20/19