Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\

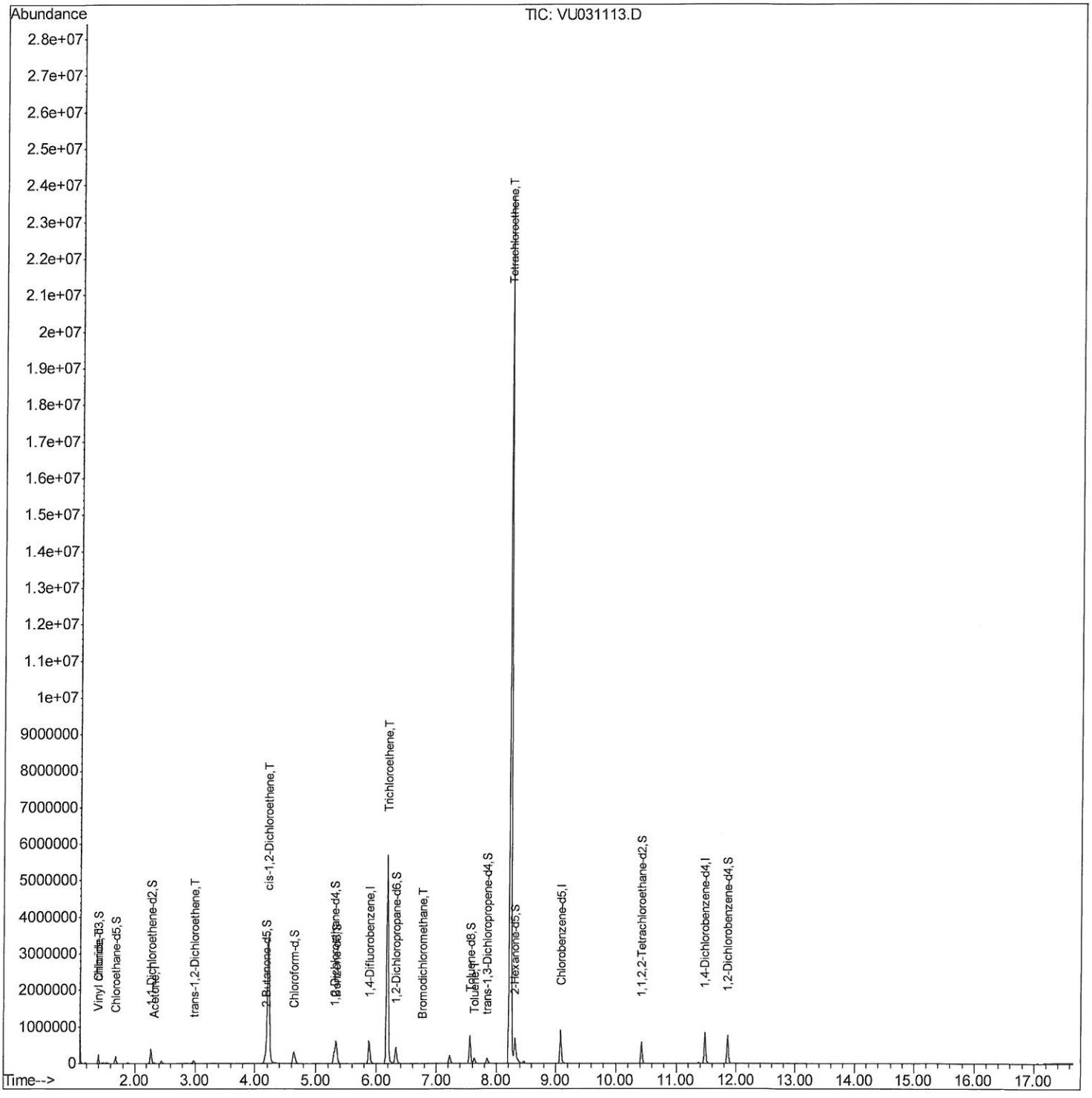
Quantitation Report (QT Reviewed)

Data File : VU031113.D
Acq On : 12 Apr 2019 08:38
Operator : JC/SP
Sample : K2341-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 105 Sample Multiplier: 1

Quant Time: Apr 12 23:45:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 23:21:49 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
DB736

**Manual Integrations APPROVED**
MMDadoda
4/15/2019 9:15:38 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\

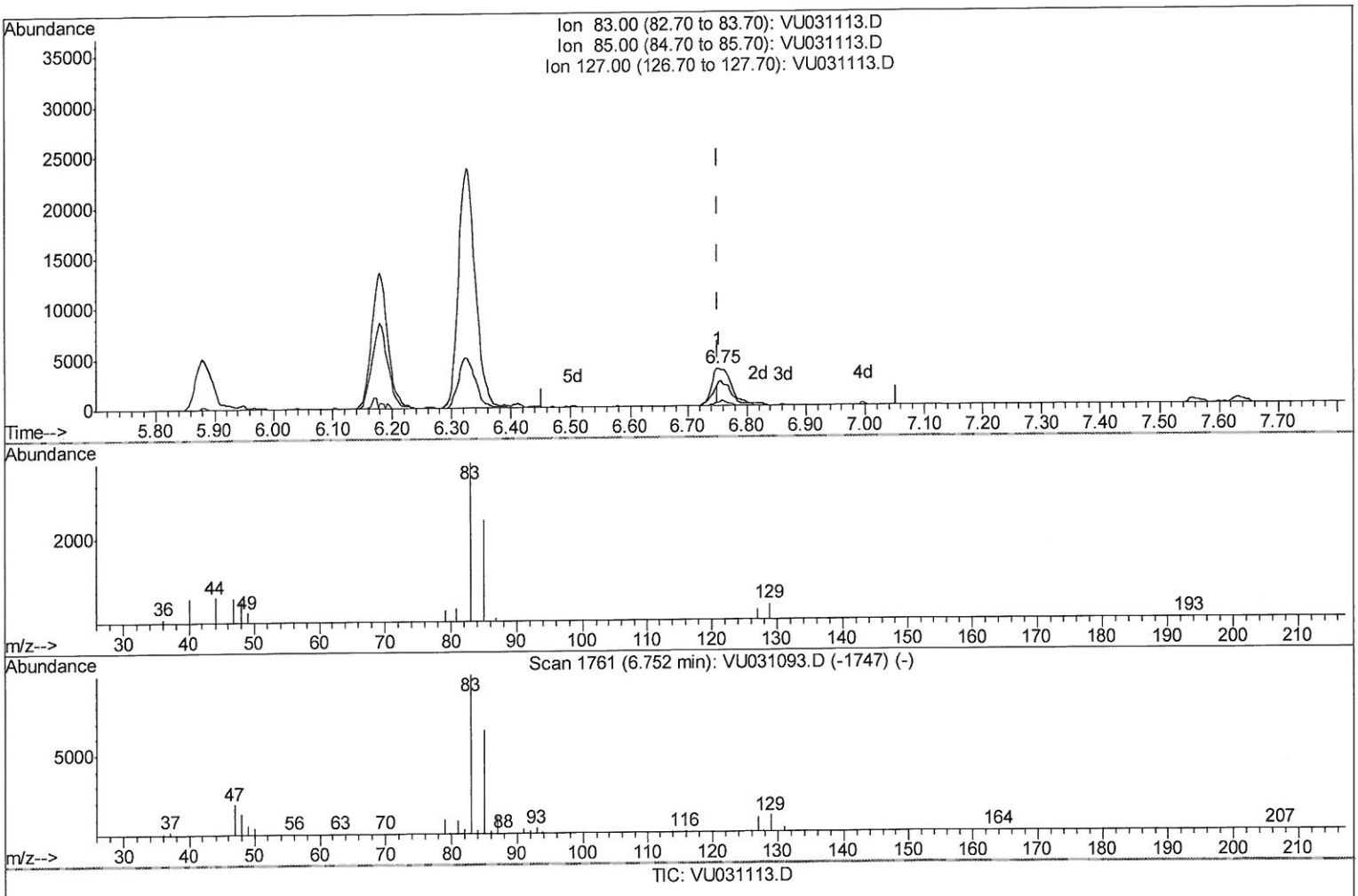
Quantitation Report (Qedit)

Data File : VU031113.D
Acq On : 12 Apr 2019 08:38
Operator : JC/SP
Sample : K2341-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 105 Sample Multiplier: 1

Quant Time: Apr 12 23:34:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 23:21:49 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
DB736

**Manual Integrations APPROVED**
MMDadoda
4/15/2019 9:15:38 AM




TIC: VU031113.D

(38) Bromodichloromethane (T)

6.752min (+0.000) 1.48ug/L m

response 8575

| Ion | Exp% | Act% |
|---|---|---|
| 83.00 | 100 | 100 |
| 85.00 | 66.40 | 64.81 |
| 127.00 | 8.30 | 8.70 |
| 0.00 | 0.00 | 0.00 |

MD 4/12/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\

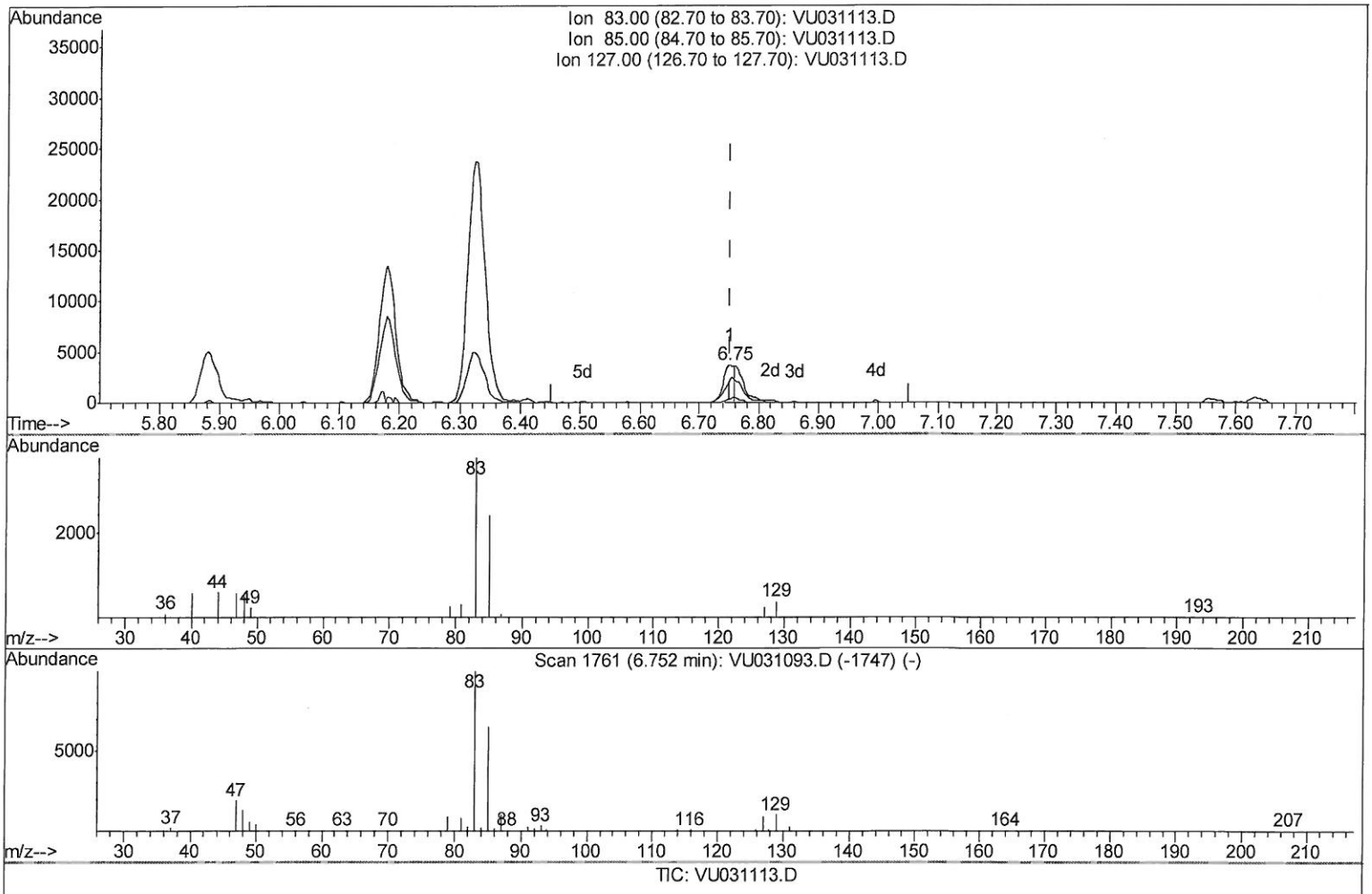
Quantitation Report (Qedit)

Data File : VU031113.D
Acq On : 12 Apr 2019 08:38
Operator : JC/SP
Sample : K2341-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 105 Sample Multiplier: 1

Quant Time: Apr 12 23:34:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 23:21:49 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
DB736

**Manual Integrations APPROVED**
MMDadoda
4/15/2019 9:15:38 AM




TIC: VU031113.D

(38) Bromodichloromethane (T)

6.752min (+0.000) 0.80ug/L

response 4666

| Ion | Exp% | Act% |
|---|---|---|
| 83.00 | 100 | 100 |
| 85.00 | 66.40 | 64.81 |
| 127.00 | 8.30 | 8.70 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\

Quantitation Report (QT Reviewed)

Data File : VU031113.D
Acq On : 12 Apr 2019 08:38
Operator : JC/SP
Sample : K2341-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 105 Sample Multiplier: 1

Quant Time: Apr 12 23:45:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 23:21:49 2019
Response via : Initial Calibration

**Instrument :** MSVOA_U
**ClientSampleId :** DB736

**Manual Integrations APPROVED**
MMDadoda
4/15/2019 9:15:38 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 527526 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 518552 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 228019 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 152965 | 32.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 64.96% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 131560 | 36.81 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 73.62% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 225660 | 26.49 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 52.98%# | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 338482 | 90.69 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 90.69% | | | |
| 24) Chloroform-d | 4.64 | 84 | 307733 | 42.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 85.56% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.30 | 65 | 214800 | 43.76 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 87.52% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 615307 | 40.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 81.30% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 220820 | 42.56 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 85.12% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 523577 | 39.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 78.04%# | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 86325 | 36.49 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 72.98% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 197484 | 83.29 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 83.29% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 308069 | 44.02 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 88.04% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 204702 | 45.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 91.30% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.40 | 62 | 4276 | 0.737 | ug/L # | 1 |
| 13) Acetone | 2.32 | 43 | 30078 | 7.876 | ug/L | 93 |
| 17) trans-1,2-Dichloroethene | 2.98 | 96 | 28599 | 7.386 | ug/L | 95 |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 1963760 | 459.345 | ug/L | 91 |
| 34) Trichloroethene | 6.18 | 95 | 2019448 | 485.210 | ug/L | 97 |
| 38) Bromodichloromethane | 6.75 | 83 | 8575m | 1.479 | ug/L | |
| 42) Toluene | 7.63 | 91 | 114096 | 6.587 | ug/L | 94 |
| 46) Tetrachloroethene | 8.22 | 164 | 5357528 | 1770.554 | ug/L | 100 |

DMD 4/13/19

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