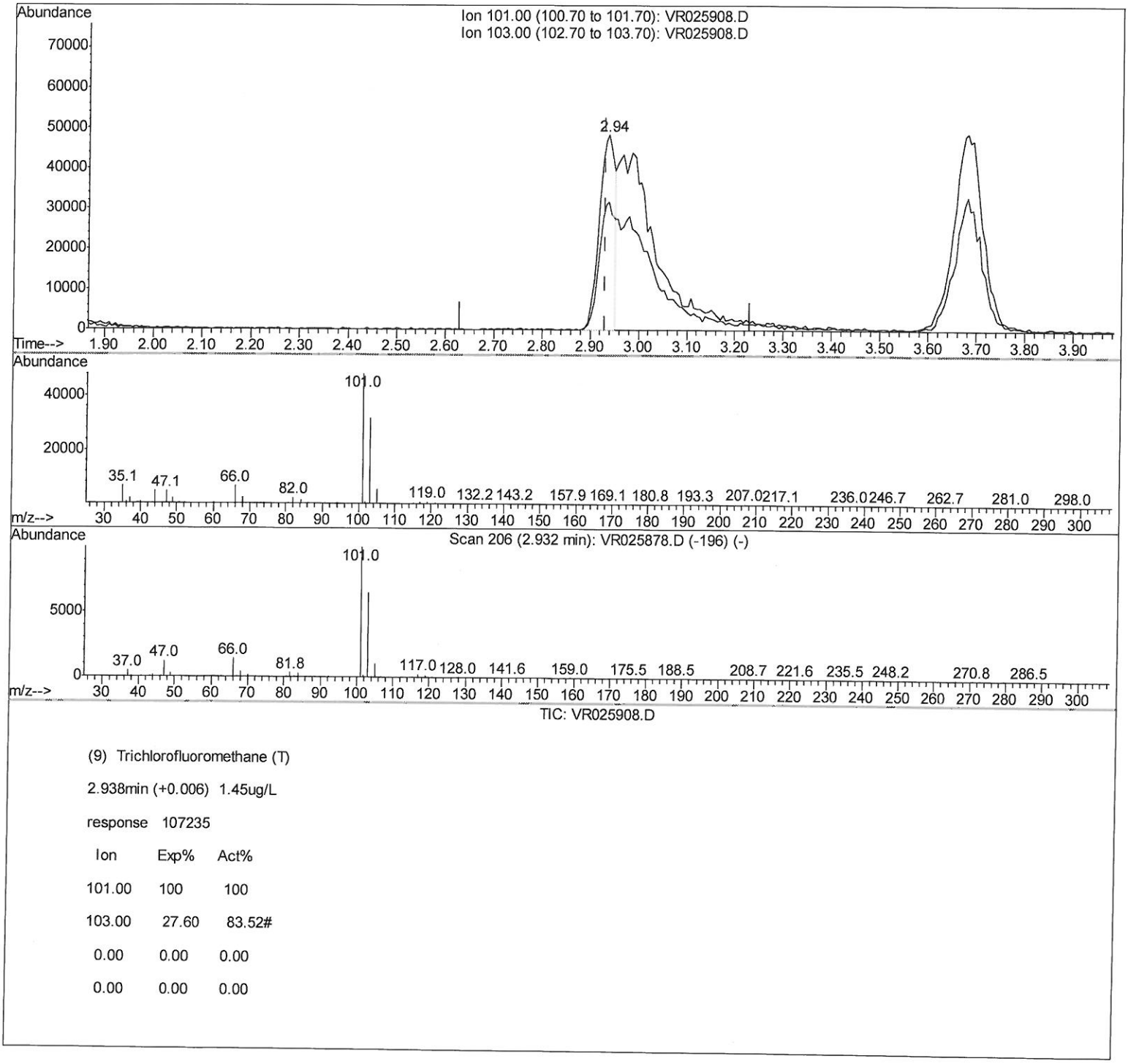
Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA R\Data\VR100118\
Data File : VR025908.D
Acq On : 1 Oct 2018 10:44
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA R/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 02 01:38:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 01 07:47:20 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_R
**LabSampleId :**
VSTD00592

**Manual Integrations APPROVED**
MMDadoda
10/2/2018 6:05:31 PM




TIC: VR025908.D

(9) Trichlorofluoromethane (T)

2.938min (+0.006) 1.45ug/L

response 107235

| Ion | Exp% | Act% |
|---|---|---|
| 101.00 | 100 | 100 |
| 103.00 | 27.60 | 83.52# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
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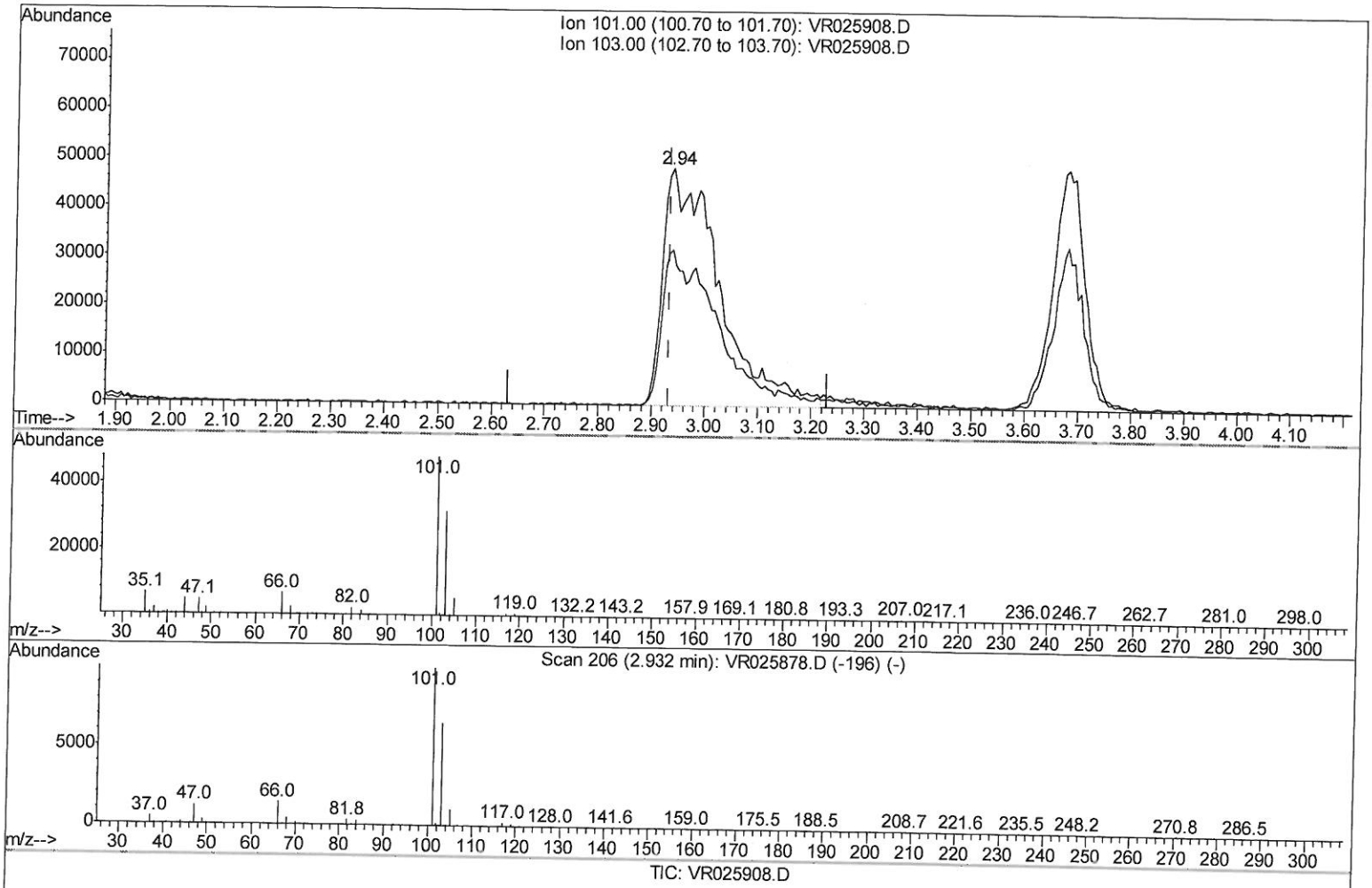


(9) Trichlorofluoromethane (T)

2.938min (+0.006) 4.80ug/L m 10/02/18 SY

response 355419

| Ion | Exp% | Act% |
|---|---|---|
| 101.00 | 100 | 100 |
| 103.00 | 27.60 | 25.20 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Acq On : 1 Oct 2018 10:44
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
LabSampleId :
VSTD00592

Manual Integrations APPROVED
MMDadoda
10/2/2018 6:05:31 PM

Quant Time: Oct 02 01:42:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 01 07:47:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.46 | 114 | 619890 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.29 | 117 | 512405 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152 | 194661 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.16 | 65 | 195274 | 3.99 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 79.80% | | | |
| 7) Chloroethane-d5 | 2.63 | 69 | 175831 | 4.40 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 88.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 3.62 | 63 | 459435 | 4.00 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 80.00% | | | |
| 20) 2-Butanone-d5 | 6.59 | 46 | 247725 | 45.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 90.92% | | | |
| 24) Chloroform-d | 7.20 | 84 | 387074 | 4.55 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 91.00% | | | |
| 26) 1,2-Dichloroethane-d4 | 7.90 | 65 | 163502 | 4.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 89.40% | | | |
| 32) Benzene-d6 | 7.85 | 84 | 749869 | 4.40 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 88.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 8.90 | 67 | 208455 | 4.54 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 90.80% | | | |
| 41) Toluene-d8 | 9.97 | 98 | 688860 | 4.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 86.00% | | | |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79 | 53277 | 5.11 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 102.20% | | | |
| 46) 2-Hexanone-d5 | 10.59 | 63 | 191095 | 48.04 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 96.08% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84 | 81720 | 4.38 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 87.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 13.51 | 152 | 139761 | 4.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 89.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.84 | 85 | 202394 | 5.371 | ug/L | 95 |
| 3) Chloromethane | 2.01 | 50 | 232403 | 4.338 | ug/L | 97 |
| 5) Vinyl chloride | 2.17 | 62 | 232421 | 4.358 | ug/L | 99 |
| 6) Bromomethane | 2.52 | 94 | 146178 | 4.390 | ug/L | 94 |
| 8) Chloroethane | 2.65 | 64 | 139875 | 4.610 | ug/L | 97 |
| 9) Trichlorofluoromethane | 2.94 | 101 | 355419m | 4.800 | ug/L | 97 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.68 | 101 | 203949 | 4.506 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 3.63 | 96 | 206627 | 4.416 | ug/L | 83 |
| 13) Acetone | 3.70 | 43 | 150190 | 38.024 | ug/L | 98 |
| 14) Carbon disulfide | 3.94 | 76 | 556815 | 4.915 | ug/L | 99 |
| 15) Methyl Acetate | 4.19 | 43 | 39617 | 3.617 | ug/L | 97 |
| 16) Methylene chloride | 4.41 | 84 | 169478 | 3.939 | ug/L | 93 |
| 17) Methyl tert-butyl Ether | 4.90 | 73 | 221721 | 4.279 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 4.88 | 96 | 176806 | 4.568 | ug/L | 86 |
| 19) 1,1-Dichloroethane | 5.69 | 63 | 346963 | 4.528 | ug/L | 99 |
| 21) 2-Butanone | 6.69 | 43 | 216699 | 39.887 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 6.67 | 96 | 177174 | 4.550 | ug/L # | 92 |

10/02/18 SY

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Sample : VSTDCCC005
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Instrument :
MSVOA_R
LabSampleId :
VSTD00592

Manual Integrations APPROVED
MMDadoda
10/2/2018 6:05:31 PM

Quant Time: Oct 02 01:42:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 01 07:47:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 7.06 | 128 | 46278 | 4.381 ug/L | 81 |
| 25) Chloroform | 7.23 | 83 | 329040 | 4.410 ug/L | 93 |
| 27) 1,2-Dichloroethane | 7.99 | 62 | 156262 | 4.197 ug/L | 97 |
| 29) 1,1,1-Trichloroethane | 7.43 | 97 | 296379 | 5.144 ug/L | 99 |
| 30) Cyclohexane | 7.51 | 56 | 332131 | 4.613 ug/L | 97 |
| 31) Carbon tetrachloride | 7.63 | 117 | 257599 | 5.162 ug/L | 99 |
| 33) Benzene | 7.91 | 78 | 772264 | 4.493 ug/L | 100 |
| 34) Trichloroethene | 8.71 | 95 | 205541 | 4.539 ug/L | 90 |
| 35) Methylcyclohexane | 8.95 | 83 | 326973 | 4.802 ug/L | 96 |
| 37) 1,2-Dichloropropane | 9.00 | 63 | 167669 | 4.548 ug/L # | 98 |
| 38) Bromodichloromethane | 9.28 | 83 | 177929 | 4.473 ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 9.72 | 75 | 197088 | 4.767 ug/L | 93 |
| 40) 4-Methyl-2-pentanone | 9.87 | 43 | 541462 | 41.765 ug/L | 97 |
| 42) Toluene | 10.03 | 91 | 814700 | 4.562 ug/L | 95 |
| 44) trans-1,3-Dichloropropene | 10.26 | 75 | 135012 | 5.002 ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 10.45 | 97 | 69545 | 4.170 ug/L | 96 |
| 47) Tetrachloroethene | 10.51 | 164 | 134698 | 4.827 ug/L | 96 |
| 48) 2-Hexanone | 10.63 | 43 | 362695 | 42.729 ug/L | 96 |
| 49) Dibromochloromethane | 10.79 | 129 | 76587 | 4.525 ug/L | 99 |
| 50) 1,2-Dibromoethane | 10.89 | 107 | 60607 | 4.606 ug/L # | 100 |
| 51) Chlorobenzene | 11.32 | 112 | 430985 | 4.550 ug/L | 94 |
| 52) Ethylbenzene | 11.39 | 91 | 965405 | 4.736 ug/L | 99 |
| 53) m,p-Xylene | 11.50 | 106 | 345222 | 4.757 ug/L | 96 |
| 54) o-Xylene | 11.83 | 106 | 315142 | 4.665 ug/L | 92 |
| 55) Styrene | 11.84 | 104 | 486407 | 4.627 ug/L | 94 |
| 56) Isopropylbenzene | 12.13 | 105 | 907022 | 4.868 ug/L | 98 |
| 58) 1,1,2,2-Tetrachloroethane | 12.38 | 83 | 67563 | 4.205 ug/L # | 94 |
| 59) 1,2,3-Trichloropropane | 12.43 | 75 | 52984 | 4.430 ug/L | 96 |
| 61) Bromoform | 12.01 | 173 | 25062 | 4.259 ug/L | 92 |
| 62) 1,3-Dichlorobenzene | 13.16 | 146 | 269019 | 4.729 ug/L | 93 |
| 63) 1,4-Dichlorobenzene | 13.24 | 146 | 257792 | 4.429 ug/L | 97 |
| 65) 1,2-Dichlorobenzene | 13.53 | 146 | 206152 | 4.510 ug/L | 94 |
| 66) 1,2-Dibromo-3-chloropropan | 14.14 | 75 | 6671 | 3.471 ug/L | 89 |
| 67) 1,3,5-Trichlorobenzene | 14.29 | 180 | 158429 | 4.675 ug/L | 97 |
| 68) 1,2,4-trichlorobenzene | 14.78 | 180 | 98283 | 4.549 ug/L | 99 |
| 69) Naphthalene | 15.00 | 128 | 120736 | 4.379 ug/L | 97 |
| 70) 1,2,3-Trichlorobenzene | 15.18 | 180 | 70433 | 4.699 ug/L | 95 |

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

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10/2/2018 6:05:31 PM