

# Quantitation Report (Qedit)

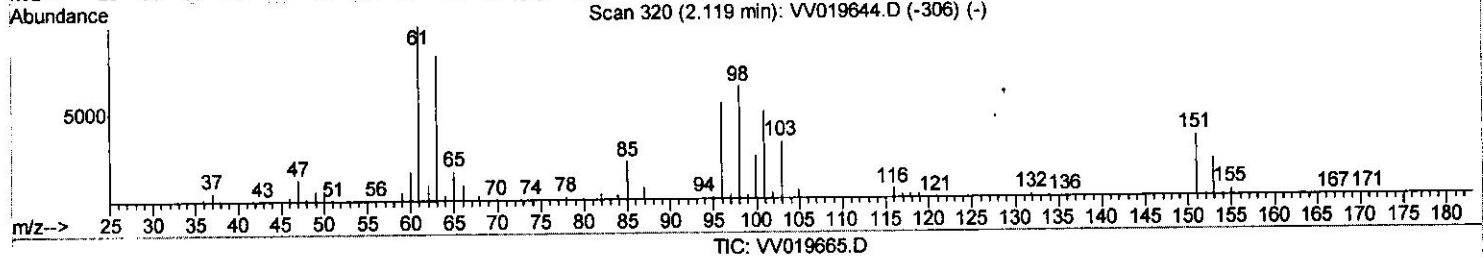
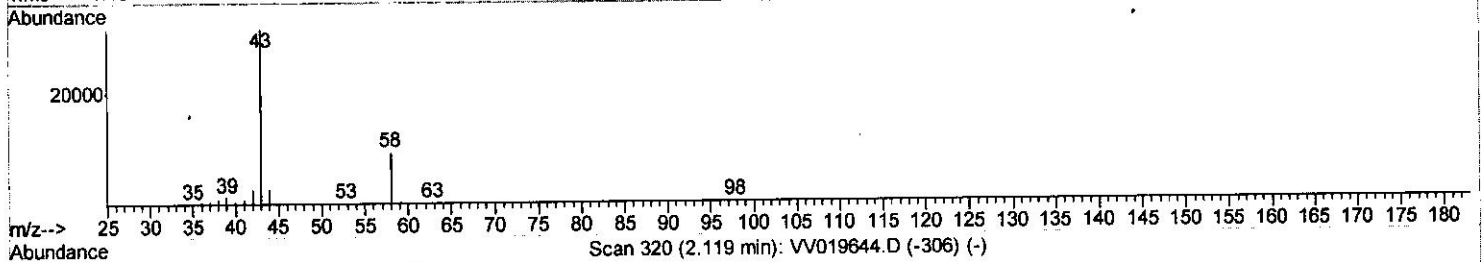
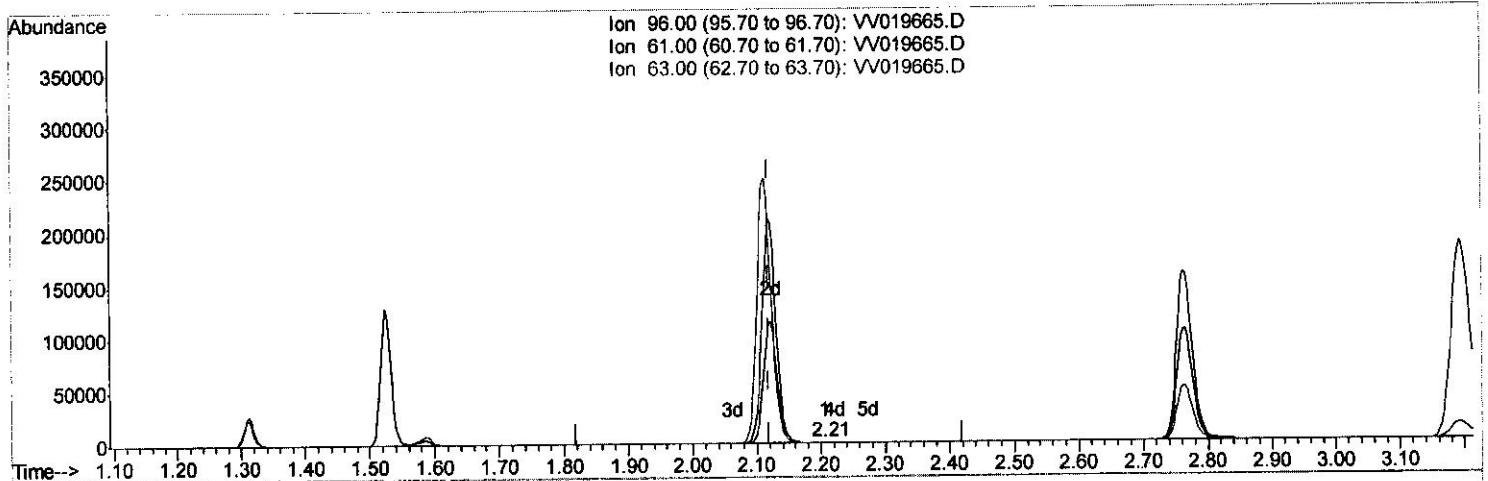
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121520\  
 Data File : VV019665.D  
 Acq On : 15 Dec 2020 21:35  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTD05091

Manual Integrations  
 APPROVED

MMDadoda  
 12/17/2020 3:46:09 PM

Quant Time: Dec 16 01:48:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 16 00:27:25 2020  
 Response via : Initial Calibration



(12) 1,1-Dichloroethene (T)

2.206min (+0.087) 0.02ug/L

response 74

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100    | 100    |
| 61.00 | 172.40 | 123.08 |
| 63.00 | 91.90  | 95.80  |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

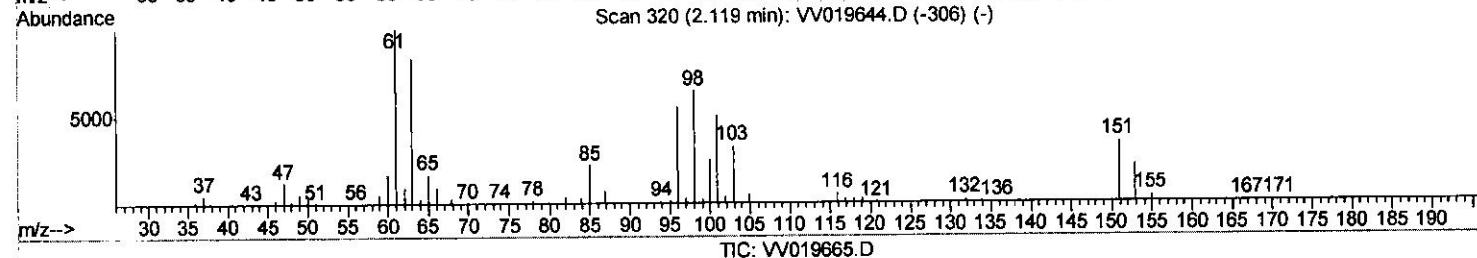
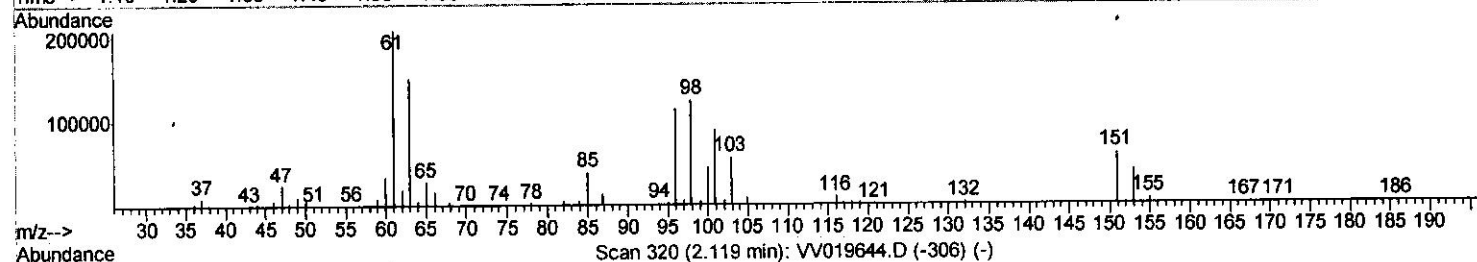
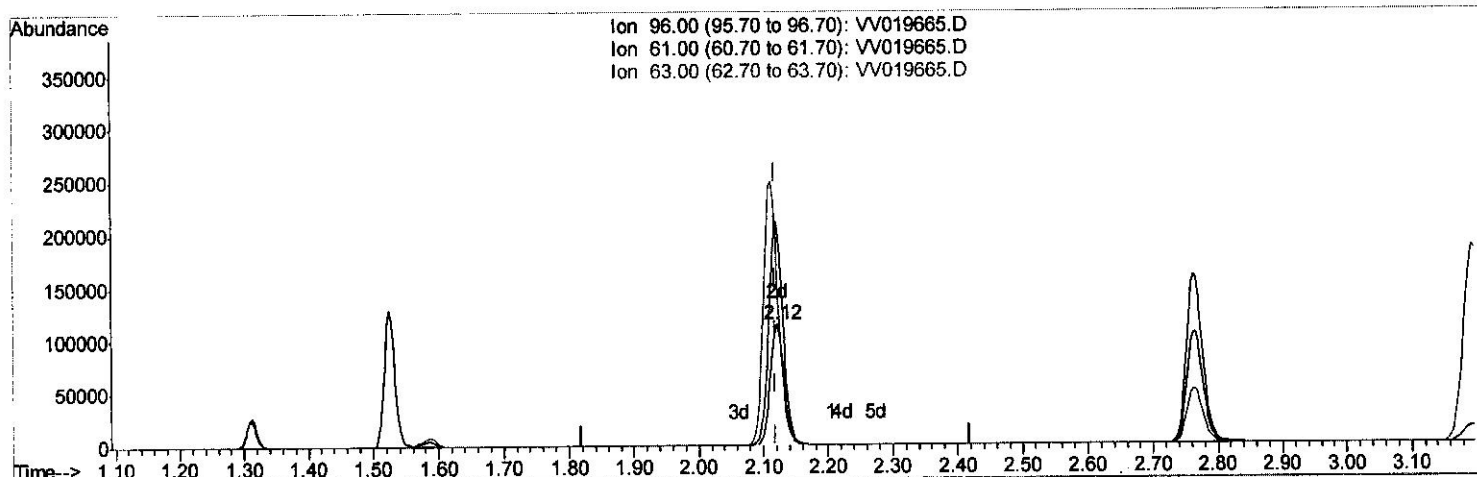
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121520\  
 Data File : VV019665.D  
 Acq On : 15 Dec 2020 21:35  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTD05091

Quant Time: Dec 16 01:48:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 16 00:27:25 2020  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 12/17/2020 3:46:09 PM



(12) 1,1-Dichloroethene (T)

2.122min (+0.003) 48.41ug/L m

response 166974

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 96.00 | 100    | 100     |
| 61.00 | 172.40 | 181.73  |
| 63.00 | 91.90  | 132.26# |
| 0.00  | 0.00   | 0.00    |

## Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121520\  
 Data File : VV019665.D  
 Acq On : 15 Dec 2020 21:35  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleID :  
 VSTD05091

Manual Integrations  
 APPROVED

MMDadoda  
 12/17/2020 3:46:09 PM

Quant Time: Dec 16 01:49:09 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 16 00:27:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 578960   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 532082   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.25 | 152  | 257139   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |                |     |            |          |      |      |
|--------------------------------|----------------|-----|------------|----------|------|------|
| 4) Vinyl Chloride-d3           | 1.31           | 65  | 225776     | 54.38    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 135 |     | Recovery = | 108.76%  |      |      |
| 7) Chloroethane-d5             | 1.57           | 69  | 181082     | 55.30    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 130 |     | Recovery = | 110.60%  |      |      |
| 11) 1,1-Dichloroethene-d2      | 2.11           | 63  | 394404     | 51.19    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 102.38%  |      |      |
| 21) 2-Butanone-d5              | 3.89           | 46  | 331085     | 146.72   | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 40 - 130 |     | Recovery = | 146.72%# |      |      |
| 24) Chloroform-d               | 4.35           | 84  | 406295     | 54.30    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 108.60%  |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.04           | 65  | 272422     | 55.71    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 111.42%  |      |      |
| 32) Benzene-d6                 | 5.05           | 84  | 772108     | 54.41    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 108.82%  |      |      |
| 36) 1,2-Dichloropropane-d6     | 6.07           | 67  | 249078     | 56.03    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 120 |     | Recovery = | 112.06%  |      |      |
| 41) Toluene-d8                 | 7.32           | 98  | 669418     | 52.39    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 104.78%  |      |      |
| 43) trans-1,3-Dichloropropene- | 7.62           | 79  | 125730     | 49.72    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 99.44%   |      |      |
| 47) 2-Hexanone-d5              | 8.09           | 63  | 242201     | 138.82   | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 45 - 130 |     | Recovery = | 138.82%# |      |      |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22          | 84  | 336848     | 56.02    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 65 - 120 |     | Recovery = | 112.04%  |      |      |
| 64) 1,2-Dichlorobenzene-d4     | 11.63          | 152 | 245496     | 51.07    | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 102.14%  |      |      |

## Target Compounds

|                                |      |     |         |         | Ovalue    |
|--------------------------------|------|-----|---------|---------|-----------|
| 2) Dichlorodifluoromethane     | 1.13 | 85  | 200517  | 42.916  | ug/L 100  |
| 3) Chloromethane               | 1.24 | 50  | 257681  | 51.885  | ug/L 100  |
| 5) Vinyl chloride              | 1.31 | 62  | 248423  | 49.869  | ug/L 99   |
| 6) Bromomethane                | 1.52 | 94  | 152018  | 50.815  | ug/L 98   |
| 8) Chloroethane                | 1.59 | 64  | 154599  | 51.452  | ug/L 100  |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 284569  | 46.756  | ug/L 100  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 151871  | 45.184  | ug/L 98   |
| 12) 1,1-Dichloroethene         | 2.12 | 96  | 166974m | 48.411  | ug/L 98   |
| 13) Acetone                    | 2.18 | 43  | 220937  | 114.929 | ug/L 99   |
| 14) Carbon disulfide           | 2.30 | 76  | 496757  | 43.833  | ug/L 100  |
| 15) Methyl Acetate             | 2.43 | 43  | 242376  | 57.870  | ug/L 99   |
| 16) Methylene chloride         | 2.51 | 84  | 213600  | 52.820  | ug/L 99   |
| 17) trans-1,2-Dichloroethene   | 2.77 | 96  | 183958  | 48.660  | ug/L 98   |
| 18) Methyl tert-butyl Ether    | 2.77 | 73  | 693590  | 52.505  | ug/L 99   |
| 19) 1,1-Dichloroethane         | 3.19 | 63  | 389502  | 53.144  | ug/L 98   |
| 20) cis-1,2-Dichloroethene     | 3.92 | 96  | 214856  | 51.700  | ug/L # 99 |
| 22) 2-Butanone                 | 3.97 | 43  | 341672  | 121.167 | ug/L 98   |

m.D  
 14/17/20

## Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121520\  
 Data File : VV019665.D  
 Acq On : 15 Dec 2020 21:35  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTD05091

Manual Integrations  
 APPROVED

MMDadoda  
 12/17/2020 3:46:09 PM

Quant Time: Dec 16 01:49:09 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 16 00:27:25 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 23) Bromochloromethane         | 4.25  | 128  | 104939   | 51.320  | ug/L  | 98       |
| 25) Chloroform                 | 4.38  | 83   | 383351   | 52.371  | ug/L  | 98       |
| 27) 1,2-Dichloroethane         | 5.14  | 62   | 320973   | 52.929  | ug/L  | 99       |
| 29) Cyclohexane                | 4.68  | 56   | 279431   | 42.849  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane      | 4.61  | 97   | 317628   | 47.609  | ug/L  | 99       |
| 31) Carbon tetrachloride       | 4.84  | 117  | 249328   | 44.269  | ug/L  | 99       |
| 33) Benzene                    | 5.10  | 78   | 809133   | 52.033  | ug/L  | 100      |
| 34) Trichloroethene            | 5.92  | 95   | 197856   | 48.165  | ug/L  | 99       |
| 35) Methylcyclohexane          | 6.14  | 83   | 268531   | 43.030  | ug/L  | 100      |
| 37) 1,2-Dichloropropane        | 6.18  | 63   | 223778   | 55.104  | ug/L  | 100      |
| 38) Bromodichloromethane       | 6.51  | 83   | 287512   | 50.630  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene    | 7.03  | 75   | 351203   | 52.071  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone       | 7.23  | 43   | 670290   | 114.406 | ug/L  | 98       |
| 42) Toluene                    | 7.39  | 91   | 807151   | 49.248  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 7.65  | 75   | 334640   | 49.000  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 7.84  | 97   | 207186   | 53.725  | ug/L  | 99       |
| 46) Tetrachloroethene          | 7.98  | 164  | 125224   | 44.055  | ug/L  | 98       |
| 48) 2-Hexanone                 | 8.14  | 43   | 510988   | 114.943 | ug/L  | 98       |
| 49) Dibromochloromethane       | 8.25  | 129  | 211936   | 50.183  | ug/L  | 99       |
| 50) 1,2-Dibromoethane          | 8.36  | 107  | 216127   | 53.220  | ug/L  | 99       |
| 51) Chlorobenzene              | 8.88  | 112  | 510547   | 48.773  | ug/L  | 99       |
| 52) Ethylbenzene               | 9.02  | 91   | 869619   | 46.570  | ug/L  | 100      |
| 53) m,p-Xylene                 | 9.14  | 106  | 318367   | 45.636  | ug/L  | 100      |
| 54) o-xylene                   | 9.55  | 106  | 325450   | 47.595  | ug/L  | 99       |
| 55) Styrene                    | 9.56  | 104  | 576095   | 48.339  | ug/L  | 99       |
| 56) Isopropylbenzene           | 9.94  | 105  | 824553   | 45.263  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.25 | 83   | 334684   | 53.967  | ug/L  | 100      |
| 59) 1,2,3-Trichloropropane     | 10.28 | 75   | 283392   | 56.104  | ug/L  | 99       |
| 61) Bromoform                  | 9.74  | 173  | 135865   | 47.752  | ug/L  | 99       |
| 62) 1,3-Dichlorobenzene        | 11.19 | 146  | 366917   | 46.508  | ug/L  | 98       |
| 63) 1,4-Dichlorobenzene        | 11.28 | 146  | 380209   | 47.593  | ug/L  | 98       |
| 65) 1,2-Dichlorobenzene        | 11.65 | 146  | 384302   | 49.297  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.43 | 75   | 81697    | 50.205  | ug/L  | 95       |
| 67) 1,3,5-Trichlorobenzene     | 12.65 | 180  | 261596   | 46.931  | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.27 | 180  | 247939   | 47.573  | ug/L  | 100      |
| 69) Naphthalene                | 13.51 | 128  | 940182   | 51.953  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.75 | 180  | 251717   | 49.423  | ug/L  | 100      |

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

# Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121520\  
 Data File : VV019665.D  
 Acq On : 15 Dec 2020 21:35  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTD05091

Manual Integrations  
 APPROVED

MMDadoda  
 12/17/2020 3:46:09 PM

Quant Time: Dec 16 01:49:09 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 16 00:27:25 2020  
 Response via : Initial Calibration

