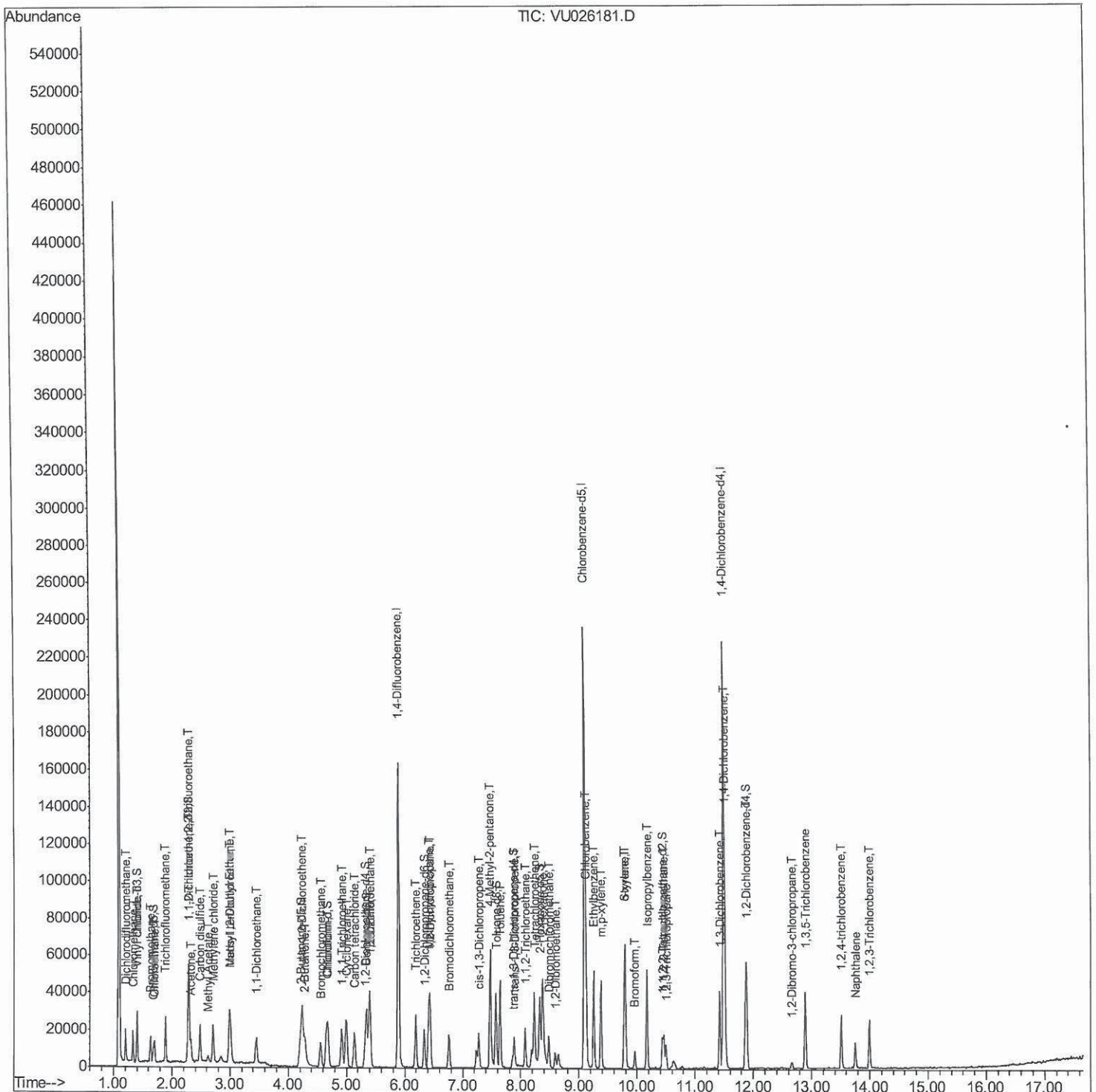


(QT Reviewed)

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
VSTD00141

MMDadoda  
8/20/2018 10:33:55 AM

Quant Time: Aug 18 00:11:28 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Aug 17 23:59:05 2018  
Response via : Initial Calibration



## Quantitation Report (Qedit)

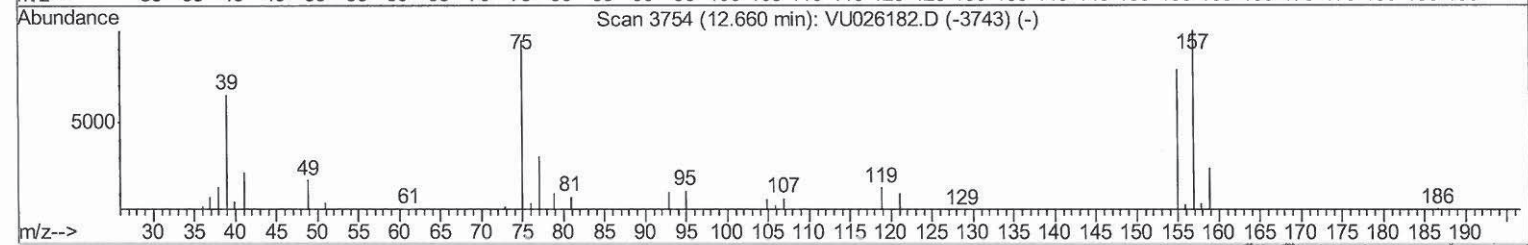
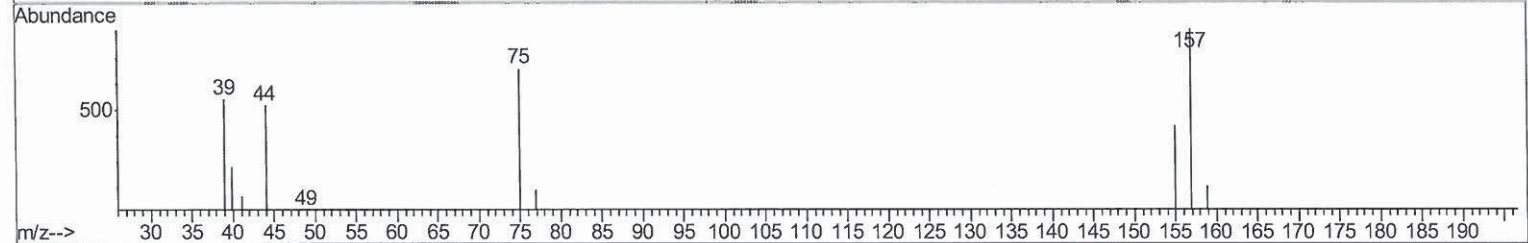
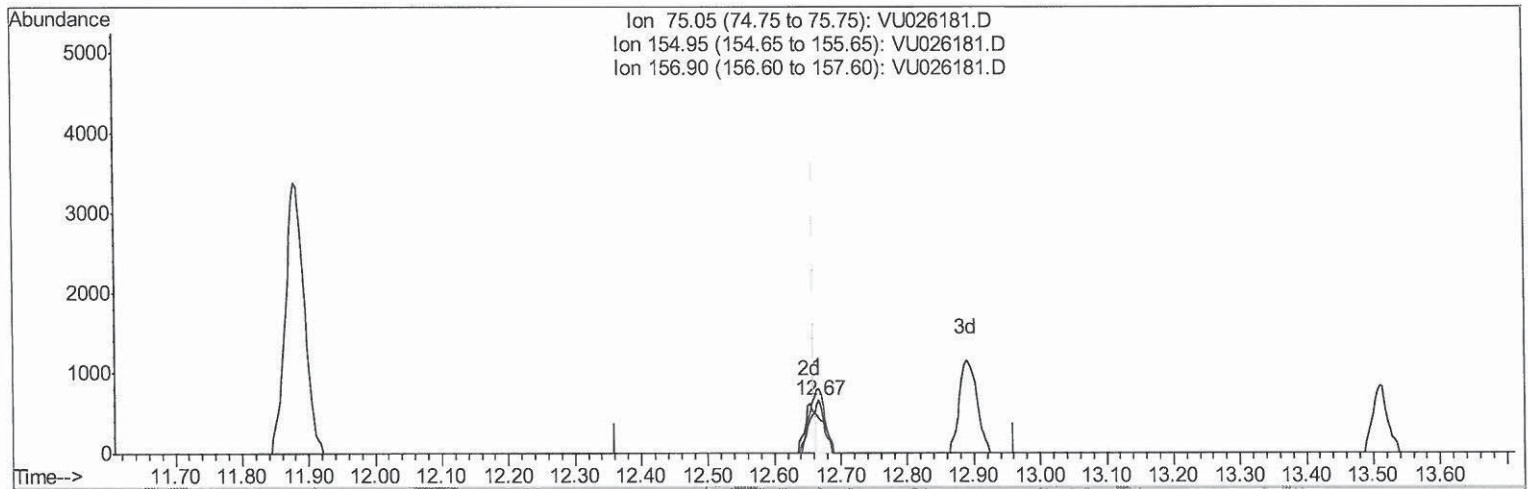
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\  
Data File : VU026181.D  
Acq On : 17 Aug 2018 16:10  
Operator : MD/SY  
Sample : VSTD00141  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD00141

Manual Integrations  
APPROVED

MMDadoda  
8/20/2018 10:33:55 AM

Quant Time: Aug 18 00:00:59 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Aug 17 23:59:05 2018  
Response via : Initial Calibration



TIC: VU026181.D

(66) 1,2-Dibromo-3-chloropropane (T)

12.667min (+0.006) 0.45ug/L

response 563

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 75.05  | 100    | 100    |
| 154.95 | 82.80  | 66.62  |
| 156.90 | 105.30 | 122.76 |
| 0.00   | 0.00   | 0.00   |

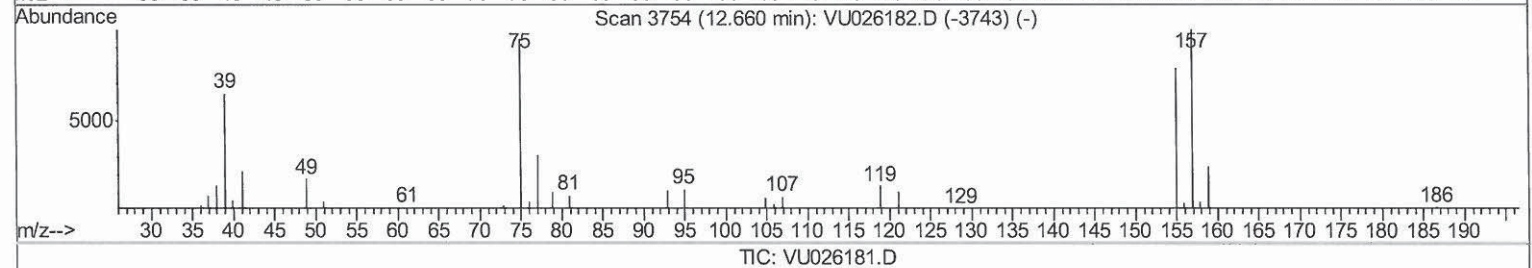
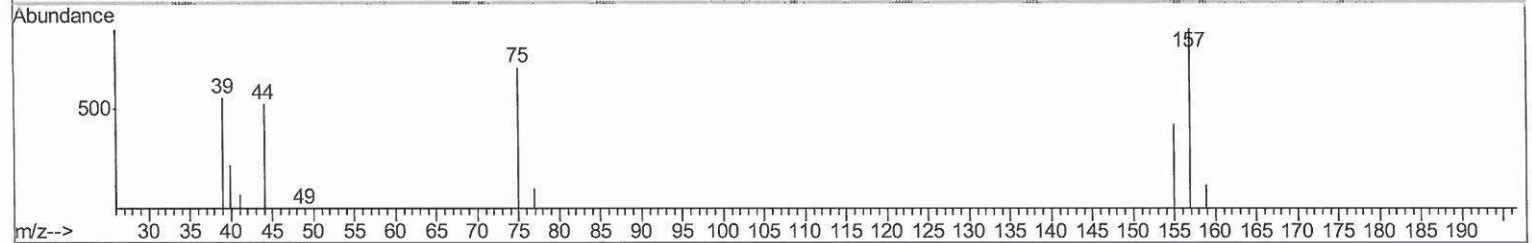
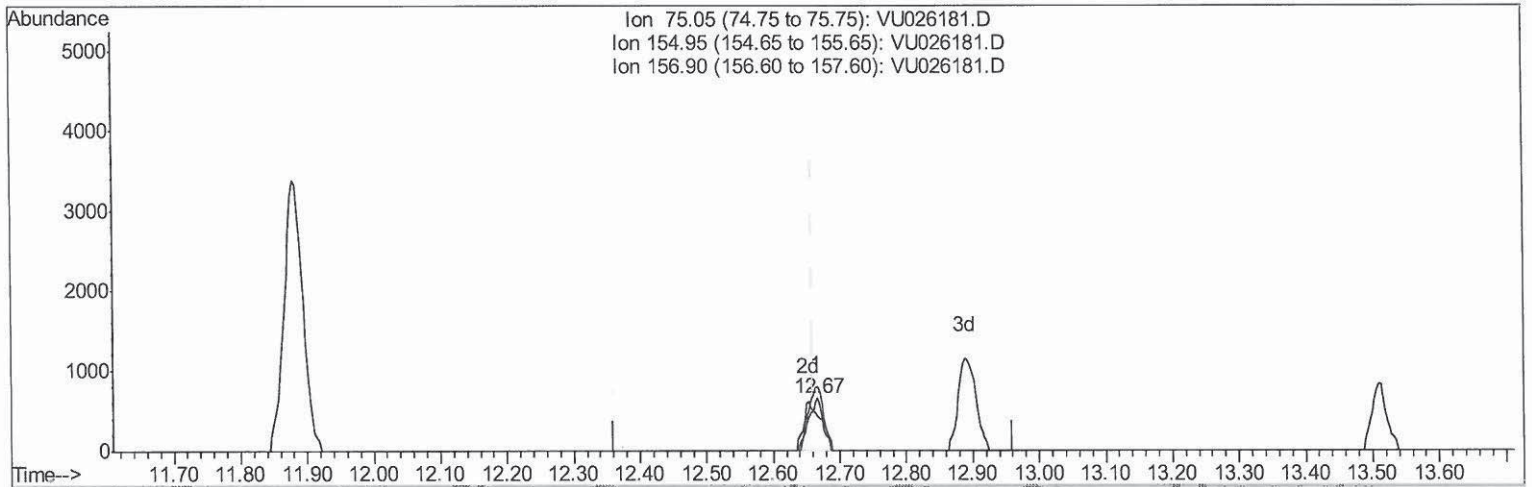
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\  
Data File : VU026181.D  
Acq On : 17 Aug 2018 16:10  
Operator : MD/SY  
Sample : VSTD00141  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD00141

Manual Integrations  
APPROVED

MMDadoda  
8/20/2018 10:33:55 AM

Quant Time: Aug 18 00:00:59 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Aug 17 23:59:05 2018  
Response via : Initial Calibration



(66) 1,2-Dibromo-3-chloropropane (T)

12.667min (+0.006) 0.94ug/L m

response 1181

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 75.05  | 100    | 100    |
| 154.95 | 82.80  | 66.62  |
| 156.90 | 105.30 | 122.76 |
| 0.00   | 0.00   | 0.00   |

7 mg  
08/24/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\  
 Data File : VU026181.D  
 Acq On : 17 Aug 2018 16:10  
 Operator : MD/SY  
 Sample : VSTD00141  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 VSTD00141

Manual Integrations  
 APPROVED

MMDadoda  
 8/20/2018 10:33:55 AM

Quant Time: Aug 18 00:11:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Aug 17 23:59:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 136765   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 132555   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 63400    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |       |     |       |      |      |      |
|-------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3          | 1.40  | 65  | 7226  | 0.75 | ug/L | 0.00 |
| 7) Chloroethane-d5            | 1.68  | 69  | 6055  | 0.78 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2     | 2.28  | 63  | 14604 | 0.82 | ug/L | 0.00 |
| 20) 2-Butanone-d5             | 4.20  | 46  | 20647 | 8.54 | ug/L | 0.00 |
| 24) Chloroform-d              | 4.65  | 84  | 16512 | 0.94 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4     | 5.32  | 65  | 9163  | 1.01 | ug/L | 0.00 |
| 32) Benzene-d6                | 5.35  | 84  | 30492 | 0.82 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6    | 6.34  | 67  | 9801  | 0.84 | ug/L | 0.00 |
| 41) Toluene-d8                | 7.57  | 98  | 26703 | 0.76 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene | 7.86  | 79  | 3364  | 0.85 | ug/L | 0.00 |
| 46) 2-Hexanone-d5             | 8.32  | 63  | 13226 | 6.62 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane | 10.43 | 84  | 8159  | 0.92 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4    | 11.87 | 152 | 11248 | 0.86 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |       |      | Qvalue |
|--------------------------------|------|-----|-------|-------|------|--------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 10704 | 0.960 | ug/L | 100    |
| 3) Chloromethane               | 1.33 | 50  | 10722 | 0.944 | ug/L | 95     |
| 5) Vinyl chloride              | 1.41 | 62  | 10513 | 0.932 | ug/L | 100    |
| 6) Bromomethane                | 1.64 | 94  | 5697  | 0.967 | ug/L | 99     |
| 8) Chloroethane                | 1.70 | 64  | 6122  | 0.773 | ug/L | 99     |
| 9) Trichlorofluoromethane      | 1.89 | 101 | 15004 | 1.003 | ug/L | 92     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 7984  | 0.900 | ug/L | 94     |
| 12) 1,1-Dichloroethene         | 2.29 | 96  | 7329  | 0.877 | ug/L | 95     |
| 13) Acetone                    | 2.33 | 43  | 12158 | 8.489 | ug/L | 95     |
| 14) Carbon disulfide           | 2.48 | 76  | 25937 | 0.922 | ug/L | 95     |
| 15) Methyl Acetate             | 2.62 | 43  | 3464  | 0.795 | ug/L | # 73   |
| 16) Methylene chloride         | 2.71 | 84  | 9034  | 0.950 | ug/L | 92     |
| 17) Methyl tert-butyl Ether    | 3.00 | 73  | 17664 | 0.875 | ug/L | 95     |
| 18) trans-1,2-Dichloroethene   | 2.99 | 96  | 7852  | 0.871 | ug/L | 94     |
| 19) 1,1-Dichloroethane         | 3.45 | 63  | 14711 | 0.854 | ug/L | 97     |
| 21) 2-Butanone                 | 4.29 | 43  | 21330 | 8.552 | ug/L | 95     |
| 22) cis-1,2-Dichloroethene     | 4.23 | 96  | 9590  | 0.940 | ug/L | 90     |
| 23) Bromochloromethane         | 4.55 | 128 | 4443  | 0.980 | ug/L | 96     |
| 25) Chloroform                 | 4.68 | 83  | 17682 | 0.991 | ug/L | 91     |
| 27) 1,2-Dichloroethane         | 5.41 | 62  | 10379 | 0.966 | ug/L | 95     |
| 29) 1,1,1-Trichloroethane      | 4.92 | 97  | 16294 | 1.102 | ug/L | 95     |
| 30) Cyclohexane                | 5.00 | 56  | 12468 | 0.818 | ug/L | 95     |
| 31) Carbon tetrachloride       | 5.13 | 117 | 14221 | 1.098 | ug/L | 94     |
| 33) Benzene                    | 5.39 | 78  | 35803 | 0.915 | ug/L | 100    |
| 34) Trichloroethene            | 6.19 | 95  | 9101  | 0.885 | ug/L | 95     |
| 35) Methylcyclohexane          | 6.42 | 83  | 11690 | 0.740 | ug/L | 95     |
| 37) 1,2-Dichloropropane        | 6.44 | 63  | 8928  | 0.869 | ug/L | # 95   |
| 38) Bromodichloromethane       | 6.76 | 83  | 12167 | 1.016 | ug/L | 100    |
| 39) cis-1,3-Dichloropropene    | 7.28 | 75  | 11578 | 0.905 | ug/L | 92     |
| 40) 4-Methyl-2-pentanone       | 7.47 | 43  | 47240 | 8.397 | ug/L | 97     |

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Instrument :  
 MSVOA\_U  
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Manual Integrations  
 APPROVED

MMDadoda  
 8/20/2018 10:33:55 AM

Quant Time: Aug 18 00:11:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Aug 17 23:59:05 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 7.64  | 91   | 34980    | 0.869 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene  | 7.89  | 75   | 10070    | 0.970 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane      | 8.07  | 97   | 6505     | 0.946 | ug/L   | 95       |
| 47) Tetrachloroethene          | 8.23  | 164  | 8196     | 0.961 | ug/L   | 98       |
| 48) 2-Hexanone                 | 8.37  | 43   | 31992    | 7.907 | ug/L # | 96       |
| 49) Dibromochloromethane       | 8.48  | 129  | 7993     | 0.992 | ug/L   | 99       |
| 50) 1,2-Dibromoethane          | 8.59  | 107  | 6408     | 1.008 | ug/L   | 92       |
| 51) Chlorobenzene              | 9.12  | 112  | 24831    | 0.937 | ug/L   | 98       |
| 52) Ethylbenzene               | 9.26  | 91   | 34864    | 0.837 | ug/L   | 97       |
| 53) m,p-xylene                 | 9.38  | 106  | 13049    | 0.822 | ug/L   | 99       |
| 54) o-xylene                   | 9.78  | 106  | 12064    | 0.779 | ug/L   | 97       |
| 55) Styrene                    | 9.80  | 104  | 20010    | 0.780 | ug/L   | 92       |
| 56) Isopropylbenzene           | 10.17 | 105  | 31978    | 0.791 | ug/L   | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 8233     | 0.950 | ug/L # | 95       |
| 59) 1,2,3-Trichloropropane     | 10.50 | 75   | 5791     | 0.990 | ug/L   | 92       |
| 61) Bromoform                  | 9.96  | 173  | 4244     | 0.909 | ug/L # | 93       |
| 62) 1,3-Dichlorobenzene        | 11.42 | 146  | 17656    | 0.882 | ug/L   | 96       |
| 63) 1,4-Dichlorobenzene        | 11.51 | 146  | 18289    | 0.907 | ug/L   | 97       |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 18031    | 0.899 | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 12.67 | 75   | 1181m    | 0.943 | ug/L   | 94       |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 12888    | 0.827 | ug/L   | 93       |
| 68) 1,2,4-trichlorobenzene     | 13.51 | 180  | 9331     | 0.863 | ug/L   | 99       |
| 69) Naphthalene                | 13.75 | 128  | 12644    | 0.779 | ug/L   | 98       |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 9275     | 0.879 | ug/L   | 98       |

MD  
 08/24/18

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