

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031620\

Data File : VV014939.D

Acq On : 16 Mar 2020 12:05

Operator : SY/MD

Sample : VSTDICV050

Misc : 5.0mL/MSVOA V/WATER

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 18 03:13:03 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA V\METHOD\SOMVLM031620WMA.M

Quant Title : VOC Analysis

QLast Update : Wed Mar 18 01:54:55 2020

Response via : Initial Calibration

MSVOA V

**ClientSampleId :**

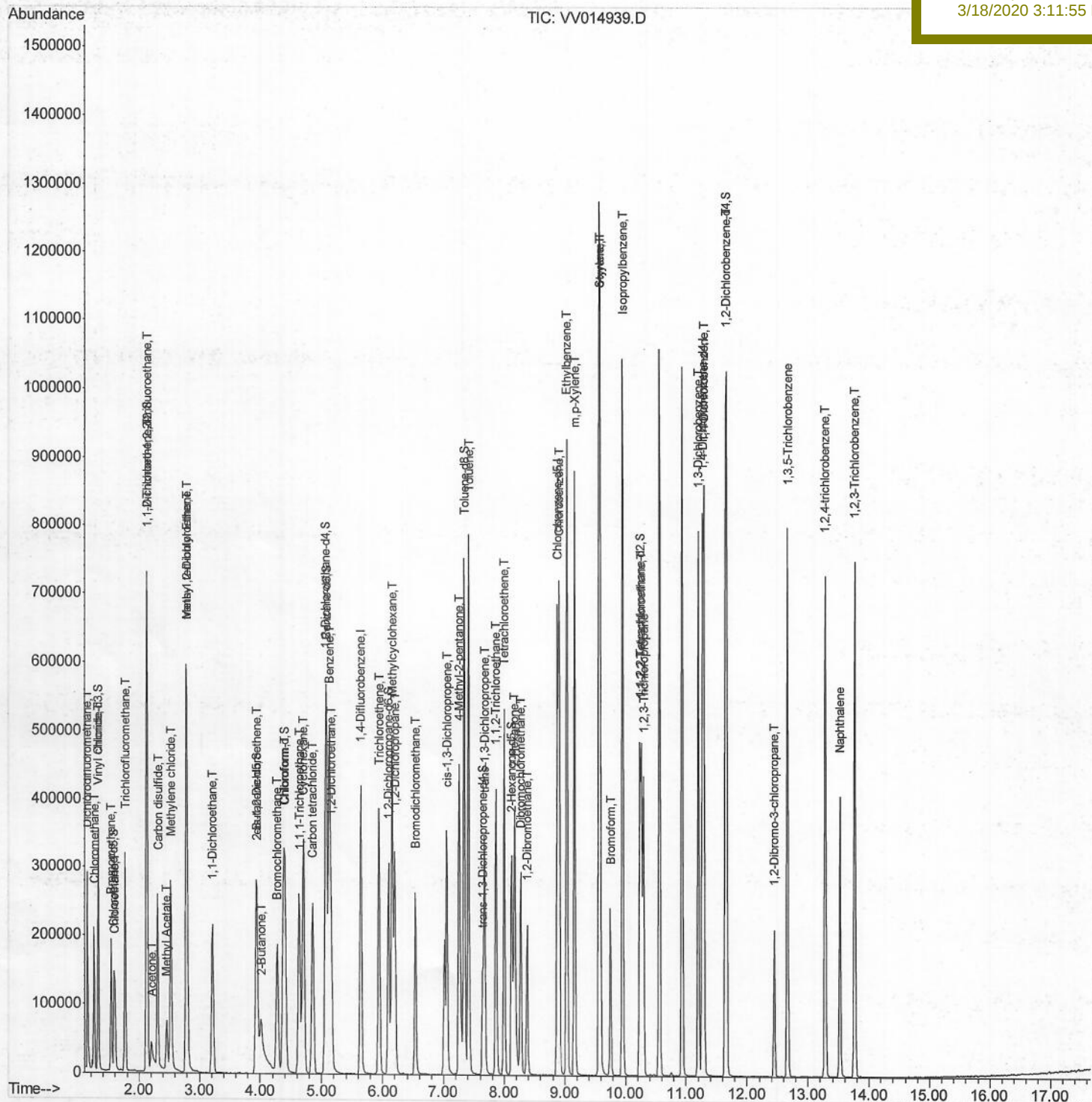
VICV62

## Manual Integrations

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# Quantitation Report (Qedit)

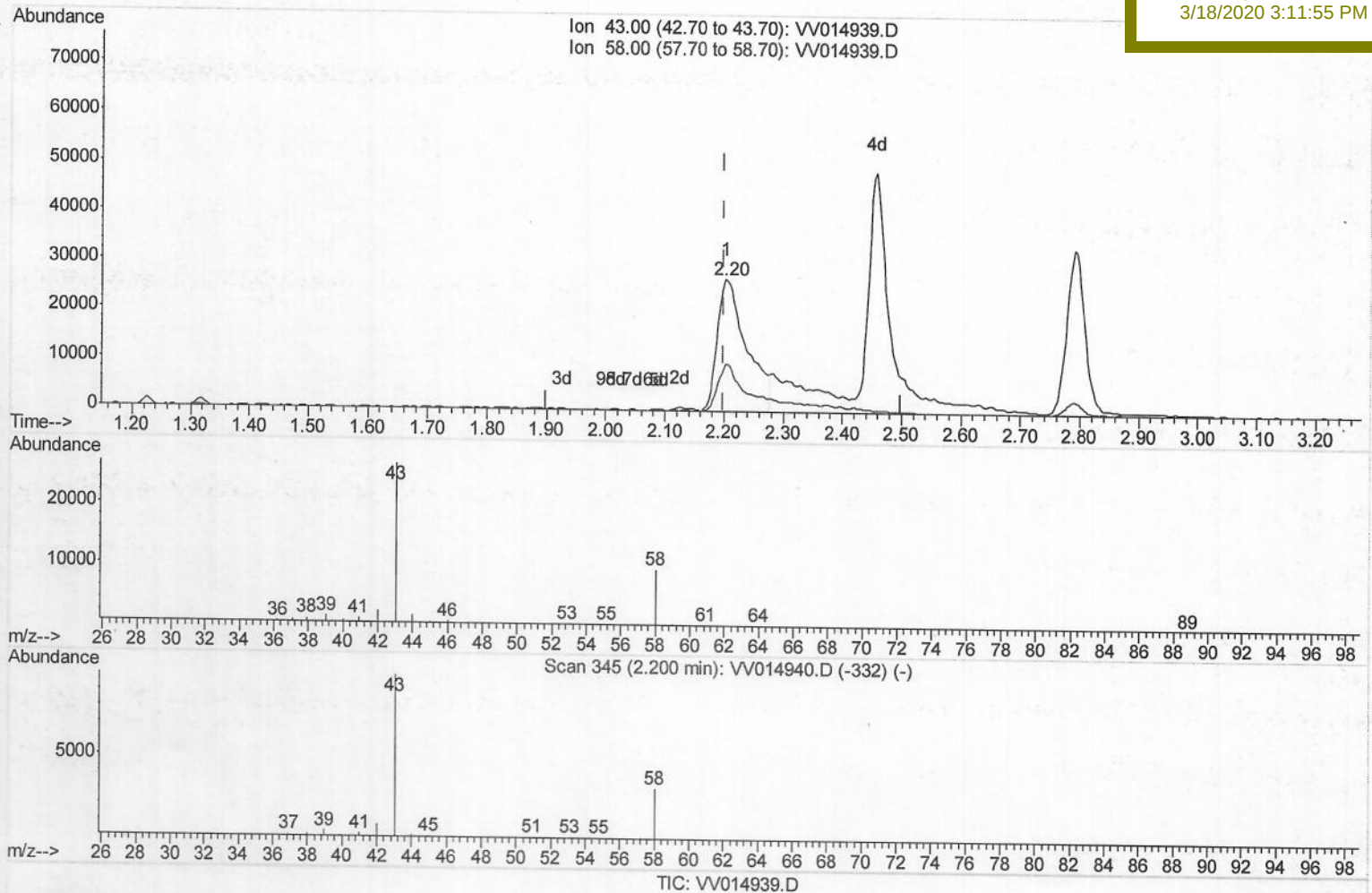
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Quant Time: Mar 18 02:37:21 2020  
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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VICV62

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(13) Acetone (T)

2.203min (+0.003) 60.54ug/L

response 91628

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 58.00 | 25.80 | 29.36 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

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MSVOA\_V

ClientSampleId :

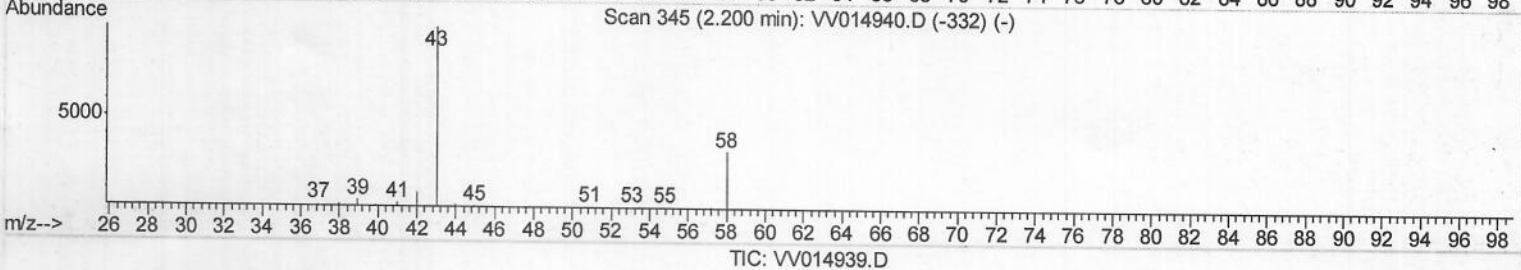
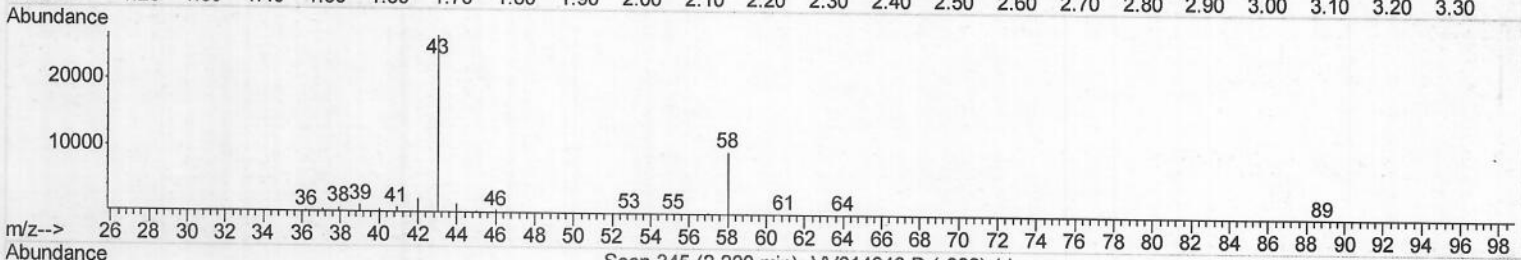
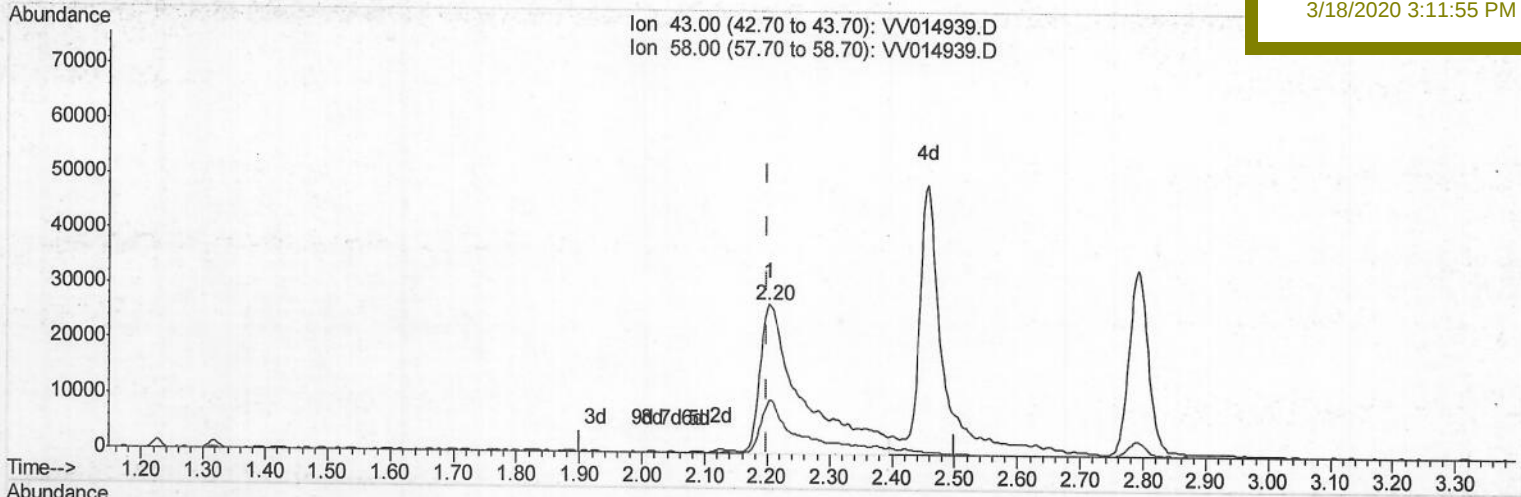
VICV62

Manual Integrations

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(13) Acetone (T)

2.203min (+0.003) 85.52ug/L m

response 129439

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 43.00 | 100   | 100   |
| 58.00 | 25.80 | 20.79 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

M.8  
03/20/20

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 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 Client Sampled :  
 VICV62

Quant Time: Mar 18 03:13:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM031620WMA.M  
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Manual Integrations  
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| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 377094   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 374058   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 201505   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |                |     |            |         |      |      |
|--------------------------------|----------------|-----|------------|---------|------|------|
| 4) Vinyl Chloride-d3           | 1.32           | 65  | 122663     | 48.83   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 135 |     | Recovery = | 97.66%  |      |      |
| 7) Chloroethane-d5             | 1.58           | 69  | 91686      | 49.14   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 130 |     | Recovery = | 98.28%  |      |      |
| 11) 1,1-Dichloroethene-d2      | 2.12           | 63  | 186731     | 48.45   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 96.90%  |      |      |
| 21) 2-Butanone-d5              | 3.93           | 46  | 137667     | 89.87   | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 40 - 130 |     | Recovery = | 89.87%  |      |      |
| 24) Chloroform-d               | 4.38           | 84  | 251922     | 48.13   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 96.26%  |      |      |
| 26) 1,2-Dichloroethane-d4      | 5.06           | 65  | 157488     | 47.49   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 94.98%  |      |      |
| 32) Benzene-d6                 | 5.08           | 84  | 502017     | 48.72   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 125 |     | Recovery = | 97.44%  |      |      |
| 36) 1,2-Dichloropropane-d6     | 6.10           | 67  | 147835     | 48.18   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 70 - 120 |     | Recovery = | 96.36%  |      |      |
| 41) Toluene-d8                 | 7.34           | 98  | 501128     | 49.17   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 98.34%  |      |      |
| 43) trans-1,3-Dichloropropene- | 7.64           | 79  | 80143      | 49.12   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 60 - 125 |     | Recovery = | 98.24%  |      |      |
| 47) 2-Hexanone-d5              | 8.12           | 63  | 142475     | 102.86  | ug/L | 0.00 |
| Spiked Amount 100.000          | Range 45 - 130 |     | Recovery = | 102.86% |      |      |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23          | 84  | 217524     | 48.42   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 65 - 120 |     | Recovery = | 96.84%  |      |      |
| 64) 1,2-Dichlorobenzene-d4     | 11.65          | 152 | 215512     | 48.82   | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 80 - 120 |     | Recovery = | 97.64%  |      |      |

## Target Compounds

|                                |      |     |         |             | Ovalue |
|--------------------------------|------|-----|---------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 171181  | 48.565 ug/L | 99     |
| 3) Chloromethane               | 1.25 | 50  | 127046  | 50.080 ug/L | 98     |
| 5) Vinyl chloride              | 1.32 | 62  | 120473  | 49.006 ug/L | 100    |
| 6) Bromomethane                | 1.53 | 94  | 80200   | 50.889 ug/L | 98     |
| 8) Chloroethane                | 1.60 | 64  | 65786   | 49.179 ug/L | 99     |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 190844  | 49.061 ug/L | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 92565   | 47.649 ug/L | 98     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 88907   | 50.170 ug/L | 94     |
| 13) Acetone                    | 2.20 | 43  | 129439m | 85.520 ug/L |        |
| 14) Carbon disulfide           | 2.31 | 76  | 289235  | 49.744 ug/L | 99     |
| 15) Methyl Acetate             | 2.46 | 43  | 94040   | 48.104 ug/L | 97     |
| 16) Methylene chloride         | 2.53 | 84  | 132362  | 49.367 ug/L | 100    |
| 17) trans-1,2-Dichloroethene   | 2.78 | 96  | 126542  | 50.875 ug/L | 99     |
| 18) Methyl tert-butyl Ether    | 2.79 | 73  | 395225  | 49.718 ug/L | 98     |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 221734  | 49.587 ug/L | 99     |
| 20) cis-1,2-Dichloroethene     | 3.94 | 96  | 140406  | 49.548 ug/L | 95     |
| 22) 2-Butanone                 | 4.01 | 43  | 136396  | 89.707 ug/L | 86     |

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 03/20/20

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Manual Integrations  
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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 23) Bromochloromethane         | 4.28  | 128  | 74604    | 49.710  | ug/L  | 96       |
| 25) Chloroform                 | 4.41  | 83   | 241821   | 48.980  | ug/L  | 98       |
| 27) 1,2-Dichloroethane         | 5.16  | 62   | 178965   | 48.101  | ug/L  | 97       |
| 29) Cyclohexane                | 4.70  | 56   | 192430   | 49.807  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane      | 4.64  | 97   | 221760   | 49.846  | ug/L  | 99       |
| 31) Carbon tetrachloride       | 4.86  | 117  | 192678   | 48.579  | ug/L  | 98       |
| 33) Benzene                    | 5.13  | 78   | 509241   | 50.031  | ug/L  | 100      |
| 34) Trichloroethene            | 5.94  | 95   | 134459   | 49.227  | ug/L  | 98       |
| 35) Methylcyclohexane          | 6.16  | 83   | 217951   | 49.464  | ug/L  | 99       |
| 37) 1,2-Dichloropropane        | 6.20  | 63   | 126541   | 49.615  | ug/L  | 99       |
| 38) Bromodichloromethane       | 6.53  | 83   | 179359   | 49.608  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene    | 7.05  | 75   | 209080   | 49.866  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone       | 7.26  | 43   | 352326   | 102.690 | ug/L  | 100      |
| 42) Toluene                    | 7.41  | 91   | 580563   | 50.690  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene  | 7.67  | 75   | 195206   | 52.325  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane      | 7.86  | 97   | 133912   | 50.420  | ug/L  | 99       |
| 46) Tetrachloroethene          | 8.00  | 164  | 127435   | 49.939  | ug/L  | 98       |
| 48) 2-Hexanone                 | 8.17  | 43   | 284213   | 104.296 | ug/L  | 98       |
| 49) Dibromochloromethane       | 8.27  | 129  | 154682   | 51.774  | ug/L  | 94       |
| 50) 1,2-Dibromoethane          | 8.38  | 107  | 147096   | 50.488  | ug/L  | 99       |
| 51) Chlorobenzene              | 8.90  | 112  | 392840   | 49.808  | ug/L  | 100      |
| 52) Ethylbenzene               | 9.03  | 91   | 661460   | 50.672  | ug/L  | 99       |
| 53) m,p-Xylene                 | 9.16  | 106  | 254755   | 50.289  | ug/L  | 99       |
| 54) o-xylene                   | 9.56  | 106  | 252180   | 50.212  | ug/L  | 99       |
| 55) Styrene                    | 9.58  | 104  | 438101   | 52.252  | ug/L  | 99       |
| 56) Isopropylbenzene           | 9.95  | 105  | 667195   | 50.381  | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.26 | 83   | 219781   | 50.020  | ug/L  | 98       |
| 59) 1,2,3-Trichloropropane     | 10.30 | 75   | 176850   | 50.567  | ug/L  | 99       |
| 61) Bromoform                  | 9.75  | 173  | 111635   | 51.636  | ug/L  | 99       |
| 62) 1,3-Dichlorobenzene        | 11.20 | 146  | 333947   | 50.291  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.29 | 146  | 335354   | 50.135  | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene        | 11.66 | 146  | 334443   | 50.420  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.45 | 75   | 50816    | 50.961  | ug/L  | 96       |
| 67) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 264228   | 50.752  | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.28 | 180  | 236309   | 50.924  | ug/L  | 99       |
| 69) Naphthalene                | 13.52 | 128  | 323510   | 54.271  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 243960   | 53.110  | ug/L  | 99       |

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