

## Quantitation Report (QT Reviewed)

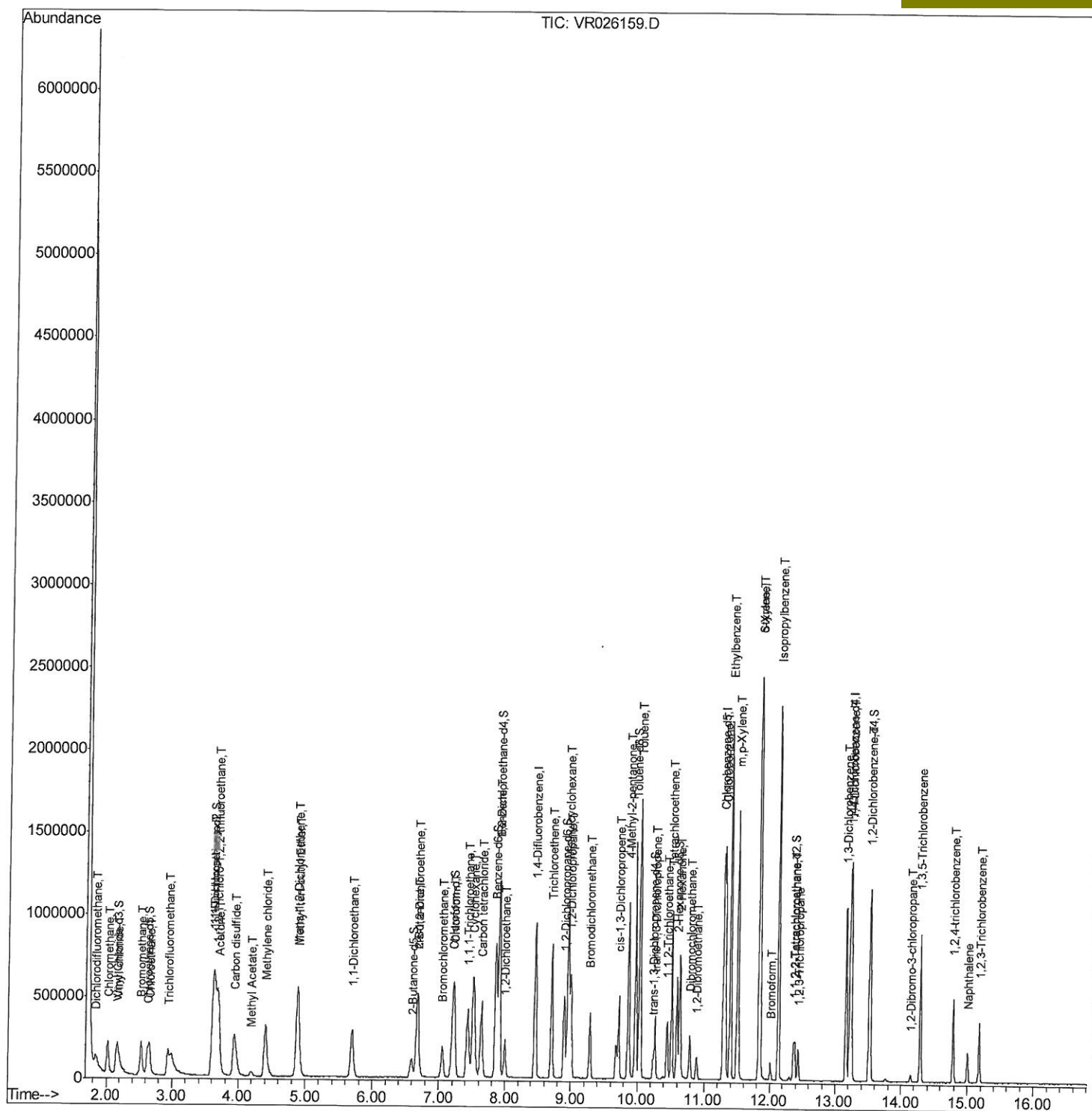
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR102618\  
Data File : VR026159.D  
Acq On : 26 Oct 2018 16:29  
Operator : SY/MD  
Sample : VSTDCCC005EC  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
LabSampleId :  
VSTD00599

Quant Time: Oct 26 23:37:27 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR101518WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Oct 26 23:25:00 2018  
Response via : Initial Calibration

Manual Integrations  
APPROVED

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10/29/2018 11:40:12 AM



# Quantitation Report (Qedit)

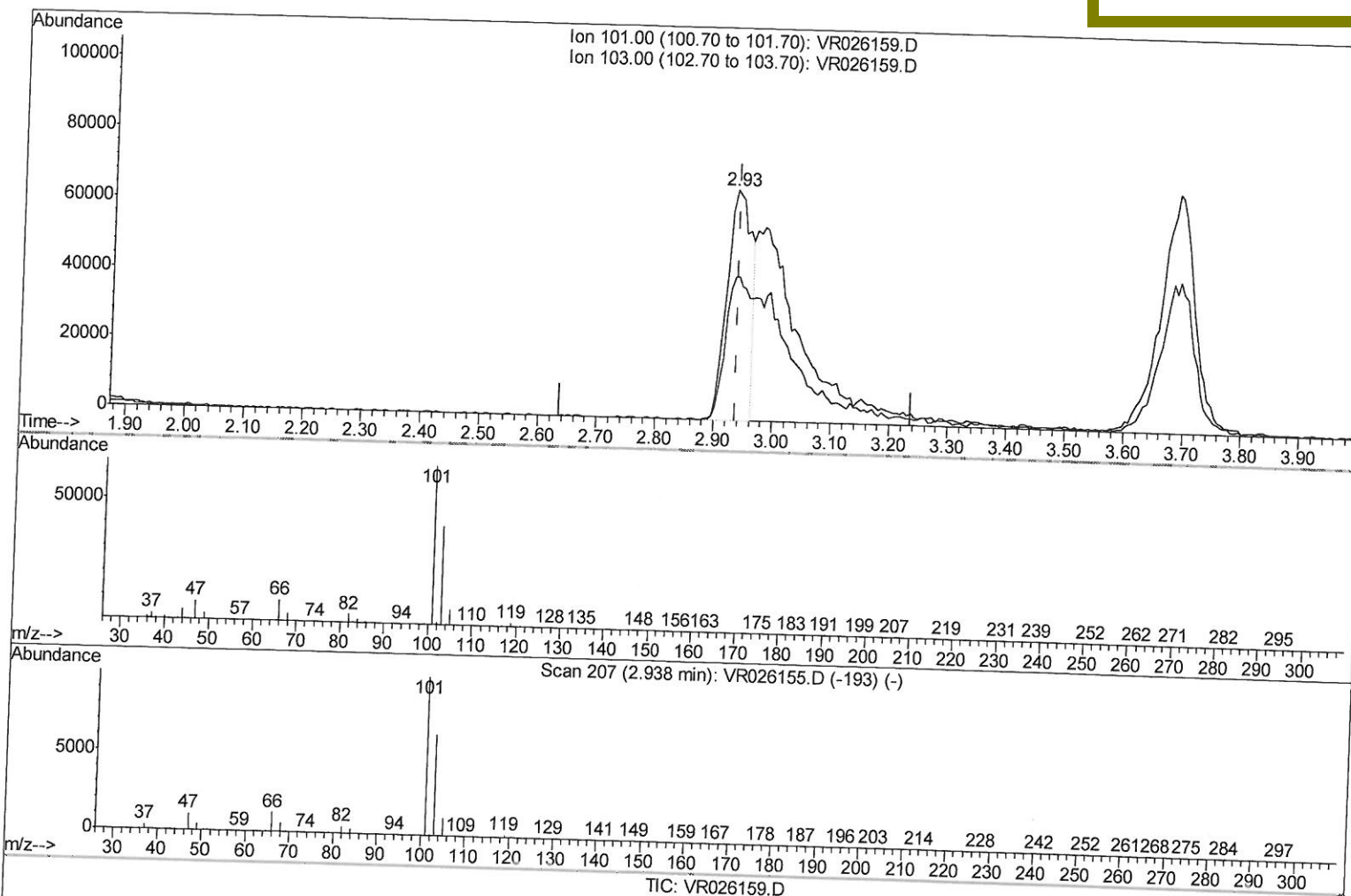
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(9) Trichlorofluoromethane (T)

2.932min (-0.006) 1.81ug/L

response 186250

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 101.00 | 100   | 100    |
| 103.00 | 32.50 | 84.33# |
| 0.00   | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

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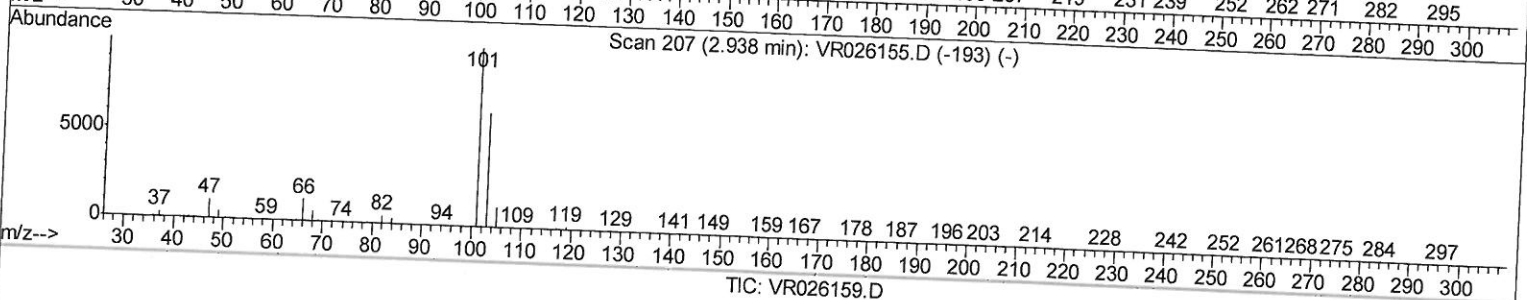
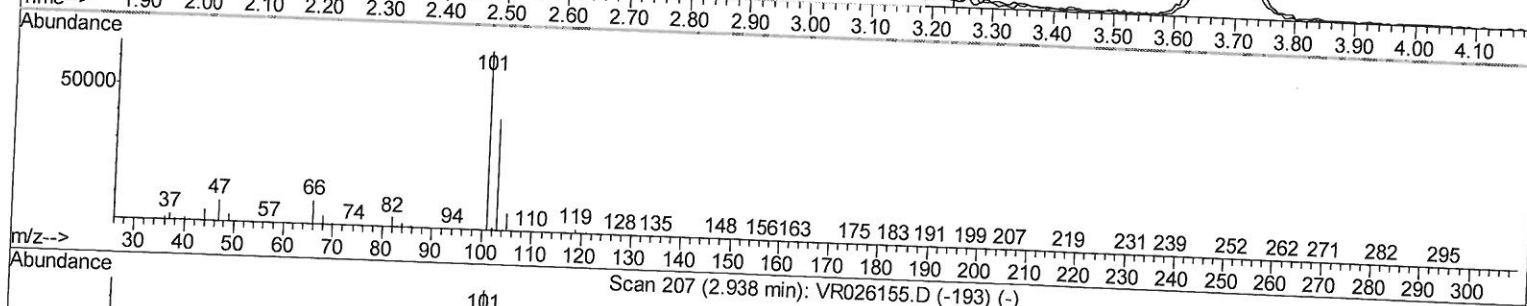
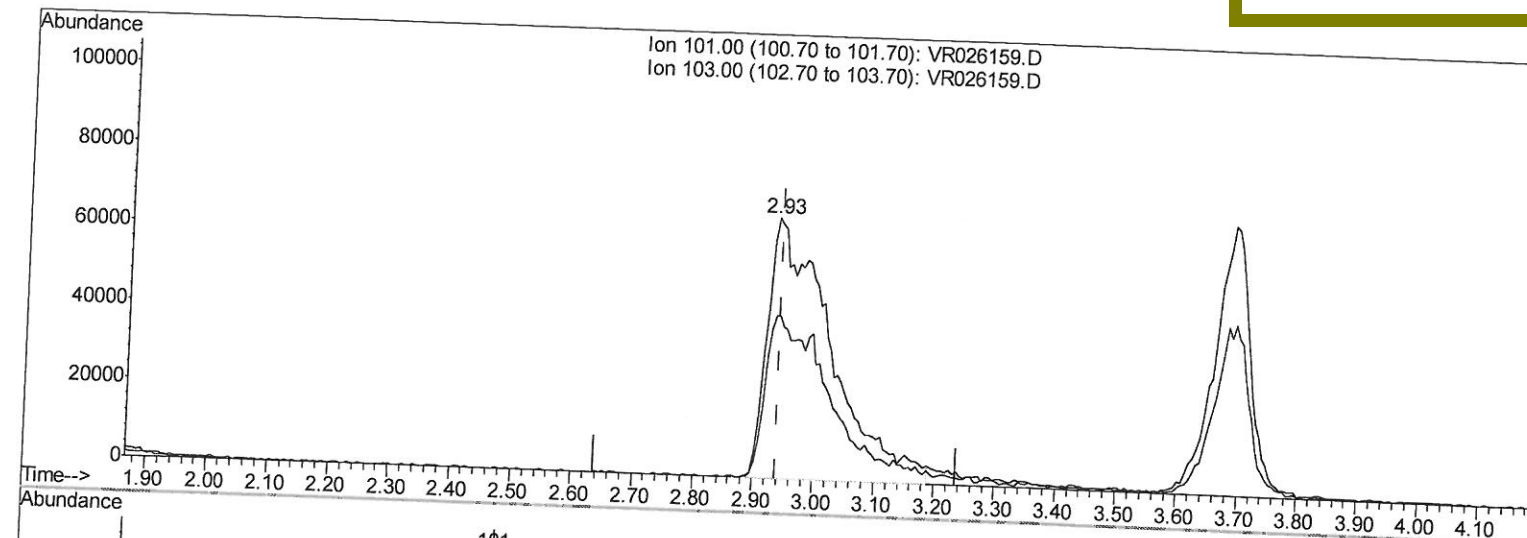
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(9) Trichlorofluoromethane (T)

2.932min (-0.006) 4.63ug/L m

response 475961

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 101.00 | 100   | 100   |
| 103.00 | 32.50 | 33.00 |
| 0.00   | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

10/29/18 SY

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 ALS Vial : 6 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_R  
**LabSampleId :**  
 VSTD00599

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| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 670550   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 581438   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 224802   | 5.00 | ug/L  | 0.00     |

**System Monitoring Compounds**

|                                |                |     |            |        |      |      |
|--------------------------------|----------------|-----|------------|--------|------|------|
| 4) Vinyl Chloride-d3           | 2.15           | 65  | 225225     | 3.84   | ug/L | 0.00 |
| Spiked Amount 5.000            | Range 40 - 130 |     | Recovery = | 76.80% |      |      |
| 7) Chloroethane-d5             | 2.63           | 69  | 199092     | 3.95   | ug/L | 0.01 |
| Spiked Amount 5.000            | Range 65 - 130 |     | Recovery = | 79.00% |      |      |
| 11) 1,1-Dichloroethene-d2      | 3.61           | 63  | 607636     | 4.22   | ug/L | 0.00 |
| Spiked Amount 5.000            | Range 60 - 125 |     | Recovery = | 84.40% |      |      |
| 20) 2-Butanone-d5              | 6.59           | 46  | 211269     | 43.85  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 40 - 130 |     | Recovery = | 87.70% |      |      |
| 24) Chloroform-d               | 7.20           | 84  | 412462     | 4.42   | ug/L | 0.00 |
| Spiked Amount 5.000            | Range 70 - 125 |     | Recovery = | 88.40% |      |      |
| 26) 1,2-Dichloroethane-d4      | 7.90           | 65  | 168867     | 4.35   | ug/L | 0.00 |
| Spiked Amount 5.000            | Range 70 - 130 |     | Recovery = | 87.00% |      |      |
| 32) Benzene-d6                 | 7.85           | 84  | 803323     | 4.30   | ug/L | 0.00 |
| Spiked Amount 5.000            | Range 70 - 125 |     | Recovery = | 86.00% |      |      |
| 36) 1,2-Dichloropropane-d6     | 8.90           | 67  | 214316     | 4.44   | ug/L | 0.00 |
| Spiked Amount 5.000            | Range 60 - 140 |     | Recovery = | 88.80% |      |      |
| 41) Toluene-d8                 | 9.97           | 98  | 802797     | 4.55   | ug/L | 0.00 |
| Spiked Amount 5.000            | Range 70 - 130 |     | Recovery = | 91.00% |      |      |
| 43) trans-1,3-Dichloropropene- | 10.23          | 79  | 55790      | 4.41   | ug/L | 0.00 |
| Spiked Amount 5.000            | Range 55 - 130 |     | Recovery = | 88.20% |      |      |
| 46) 2-Hexanone-d5              | 10.59          | 63  | 180304     | 49.35  | ug/L | 0.00 |
| Spiked Amount 50.000           | Range 45 - 130 |     | Recovery = | 98.70% |      |      |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36          | 84  | 87398      | 4.62   | ug/L | 0.00 |
| Spiked Amount 5.000            | Range 65 - 120 |     | Recovery = | 92.40% |      |      |
| 64) 1,2-Dichlorobenzene-d4     | 13.52          | 152 | 154716     | 4.35   | ug/L | 0.00 |
| Spiked Amount 5.000            | Range 80 - 120 |     | Recovery = | 87.00% |      |      |

**Target Compounds**

|                                |      |     |         |              | Qvalue |
|--------------------------------|------|-----|---------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.84 | 85  | 194872  | 4.327 ug/L   | 100    |
| 3) Chloromethane               | 2.02 | 50  | 296155  | 4.141 ug/L   | 93     |
| 5) Vinyl chloride              | 2.17 | 62  | 296091  | 4.155 ug/L   | 99     |
| 6) Bromomethane                | 2.53 | 94  | 186937  | 3.972 ug/L   | 95     |
| 8) Chloroethane                | 2.66 | 64  | 189950  | 4.302 ug/L   | 98     |
| 9) Trichlorofluoromethane      | 2.93 | 101 | 475961m | 4.627 ug/L   | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.69 | 101 | 277452  | 4.524 ug/L   | 99     |
| 12) 1,1-Dichloroethene         | 3.63 | 96  | 286823  | 4.399 ug/L   | 91     |
| 13) Acetone                    | 3.70 | 43  | 224429  | 45.060 ug/L  | 98     |
| 14) Carbon disulfide           | 3.94 | 76  | 759226  | 4.454 ug/L   | 100    |
| 15) Methyl Acetate             | 4.19 | 43  | 57444   | 4.415 ug/L   | 94     |
| 16) Methylene chloride         | 4.40 | 84  | 256254  | 4.334 ug/L   | 96     |
| 17) Methyl tert-butyl Ether    | 4.90 | 73  | 264535  | 4.469 ug/L   | 99     |
| 18) trans-1,2-Dichloroethene   | 4.89 | 96  | 225768  | 4.578 ug/L   | 98     |
| 19) 1,1-Dichloroethane         | 5.69 | 63  | 419978  | 4.536 ug/L   | 98     |
| 21) 2-Butanone                 | 6.69 | 43  | 270980  | 47.161 ug/L  | 98     |
| 22) cis-1,2-Dichloroethene     | 6.68 | 96  | 216679  | 4.645 ug/L # | 96     |

10/29/18 sy

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 23) Bromochloromethane         | 7.04  | 128  | 59891    | 4.577  | ug/L   | 92       |
| 25) Chloroform                 | 7.23  | 83   | 425102   | 4.705  | ug/L   | 96       |
| 27) 1,2-Dichloroethane         | 7.99  | 62   | 201681   | 4.560  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane      | 7.43  | 97   | 361723   | 4.553  | ug/L   | 100      |
| 30) Cyclohexane                | 7.51  | 56   | 374783   | 4.699  | ug/L   | 100      |
| 31) Carbon tetrachloride       | 7.64  | 117  | 333411   | 4.615  | ug/L   | 97       |
| 33) Benzene                    | 7.91  | 78   | 998826   | 4.578  | ug/L   | 100      |
| 34) Trichloroethene            | 8.71  | 95   | 254301   | 4.554  | ug/L   | 93       |
| 35) Methylcyclohexane          | 8.95  | 83   | 395778   | 4.761  | ug/L   | 99       |
| 37) 1,2-Dichloropropane        | 9.00  | 63   | 209426   | 4.550  | ug/L   | 100      |
| 38) Bromodichloromethane       | 9.28  | 83   | 237040   | 4.789  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene    | 9.72  | 75   | 250116   | 4.748  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone       | 9.87  | 43   | 677643   | 48.206 | ug/L   | 99       |
| 42) Toluene                    | 10.04 | 91   | 1087433  | 4.723  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 10.26 | 75   | 174299   | 4.735  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 10.45 | 97   | 93679    | 4.825  | ug/L   | 99       |
| 47) Tetrachloroethene          | 10.51 | 164  | 178912   | 4.487  | ug/L   | 95       |
| 48) 2-Hexanone                 | 10.63 | 43   | 448241   | 48.822 | ug/L   | 99       |
| 49) Dibromochloromethane       | 10.79 | 129  | 106258   | 4.863  | ug/L   | 96       |
| 50) 1,2-Dibromoethane          | 10.89 | 107  | 74851    | 4.462  | ug/L # | 85       |
| 51) Chlorobenzene              | 11.32 | 112  | 580491   | 4.554  | ug/L   | 98       |
| 52) Ethylbenzene               | 11.39 | 91   | 1263776  | 4.773  | ug/L   | 100      |
| 53) m,p-Xylene                 | 11.50 | 106  | 452564   | 4.691  | ug/L   | 95       |
| 54) o-Xylene                   | 11.83 | 106  | 428474   | 4.844  | ug/L   | 98       |
| 55) Styrene                    | 11.84 | 104  | 666225   | 4.894  | ug/L   | 98       |
| 56) Isopropylbenzene           | 12.13 | 105  | 1210483  | 4.928  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.39 | 83   | 91379    | 4.631  | ug/L   | 97       |
| 59) 1,2,3-Trichloropropane     | 12.43 | 75   | 66076    | 4.561  | ug/L   | 98       |
| 61) Bromoform                  | 12.01 | 173  | 37274    | 4.770  | ug/L   | 97       |
| 62) 1,3-Dichlorobenzene        | 13.16 | 146  | 338125   | 4.528  | ug/L   | 96       |
| 63) 1,4-Dichlorobenzene        | 13.24 | 146  | 351652   | 4.547  | ug/L   | 96       |
| 65) 1,2-Dichlorobenzene        | 13.53 | 146  | 275697   | 4.600  | ug/L   | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 14.15 | 75   | 8162     | 3.342  | ug/L # | 88       |
| 67) 1,3,5-Trichlorobenzene     | 14.29 | 180  | 206222   | 4.532  | ug/L   | 96       |
| 68) 1,2,4-trichlorobenzene     | 14.79 | 180  | 121338   | 4.568  | ug/L   | 98       |
| 69) Naphthalene                | 15.00 | 128  | 117654   | 4.562  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.18 | 180  | 89447    | 4.849  | ug/L   | 97       |

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