

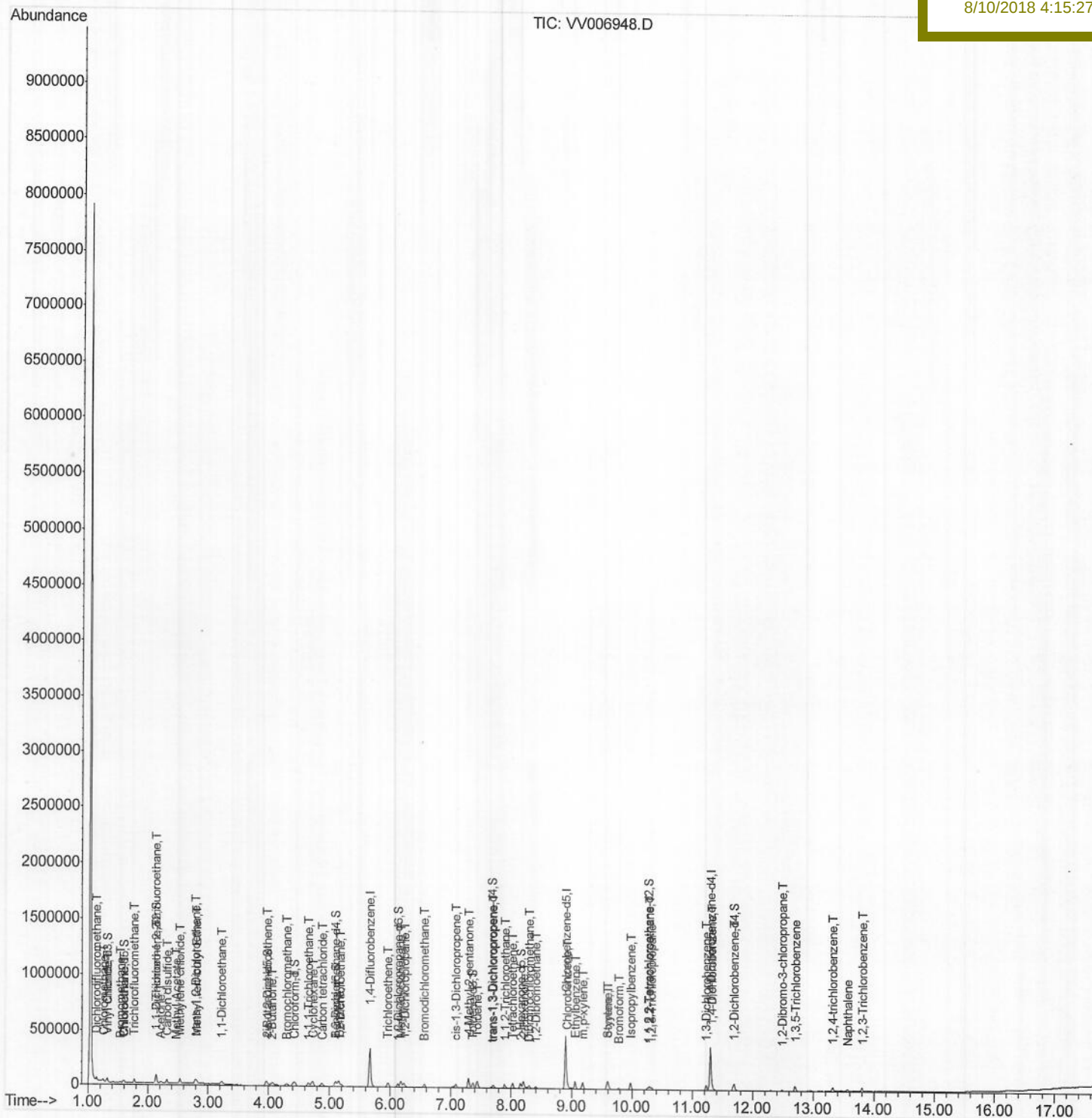
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080918\  
Data File : VV006948.D  
Acq On : 09 Aug 2018 12:50  
Operator : SY/MD  
Sample : VSTD0.575  
Misc : 25 mL/MSVOA V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 02:00:05 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080918WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Aug 10 01:53:20 2018  
Response via : Initial Calibration

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
VSTD0.575

## Manual Integrations APPROVED

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# Quantitation Report (Qedit)

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QLast Update : Fri Aug 10 01:53:20 2018

Response via : Initial Calibration

Instrument :

MSVOA\_V

ClientSampled :

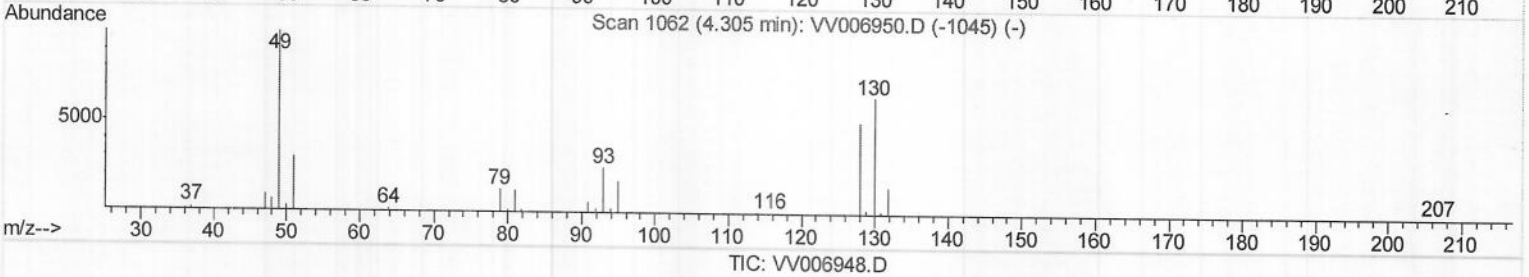
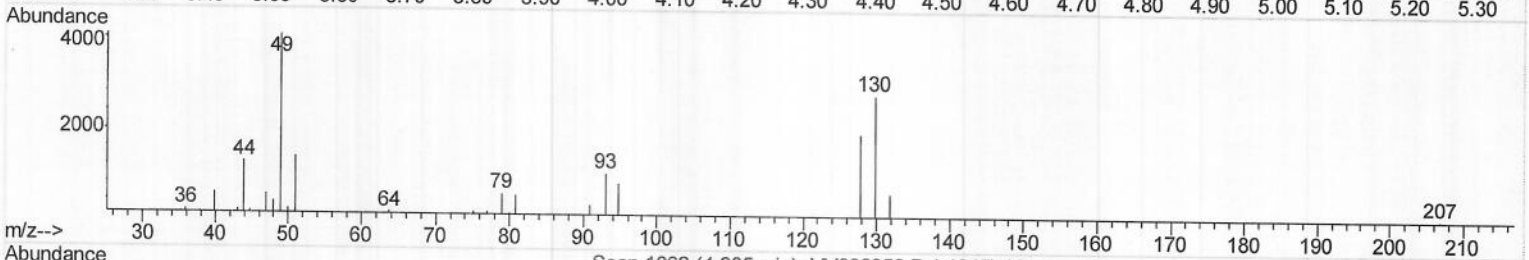
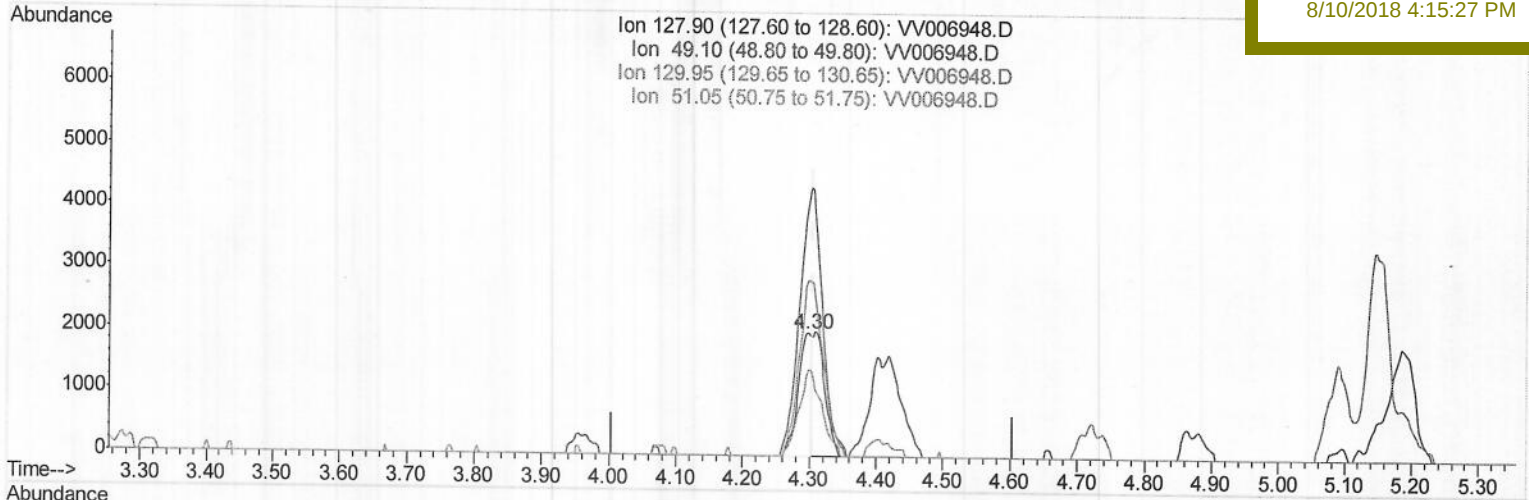
VSTD0.575

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(23) Bromochloromethane (T)

4.299min (-0.006) 0.27ug/L

response 2671

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 127.90 | 100    | 100    |
| 49.10  | 198.00 | 208.30 |
| 129.95 | 128.60 | 143.51 |
| 51.05  | 58.60  | 70.23  |

# Quantitation Report (Qedit)

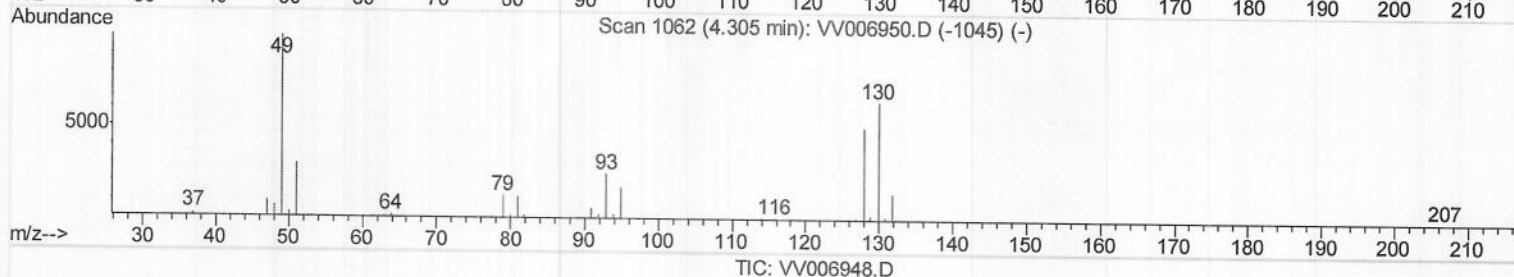
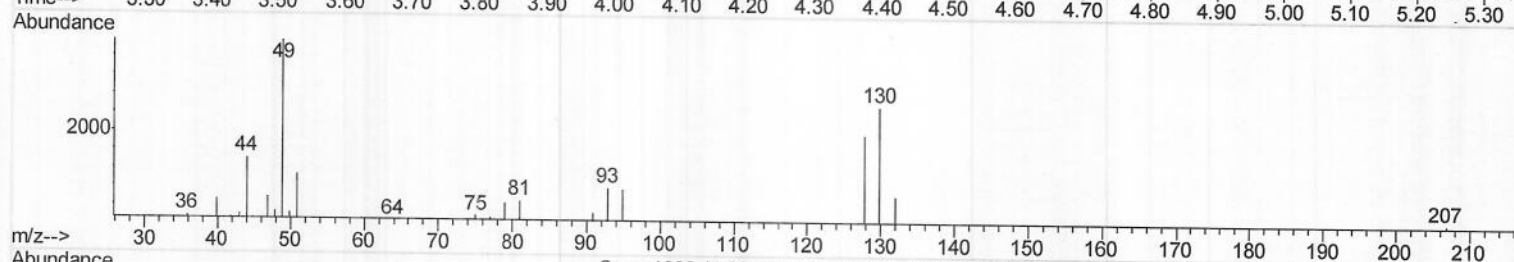
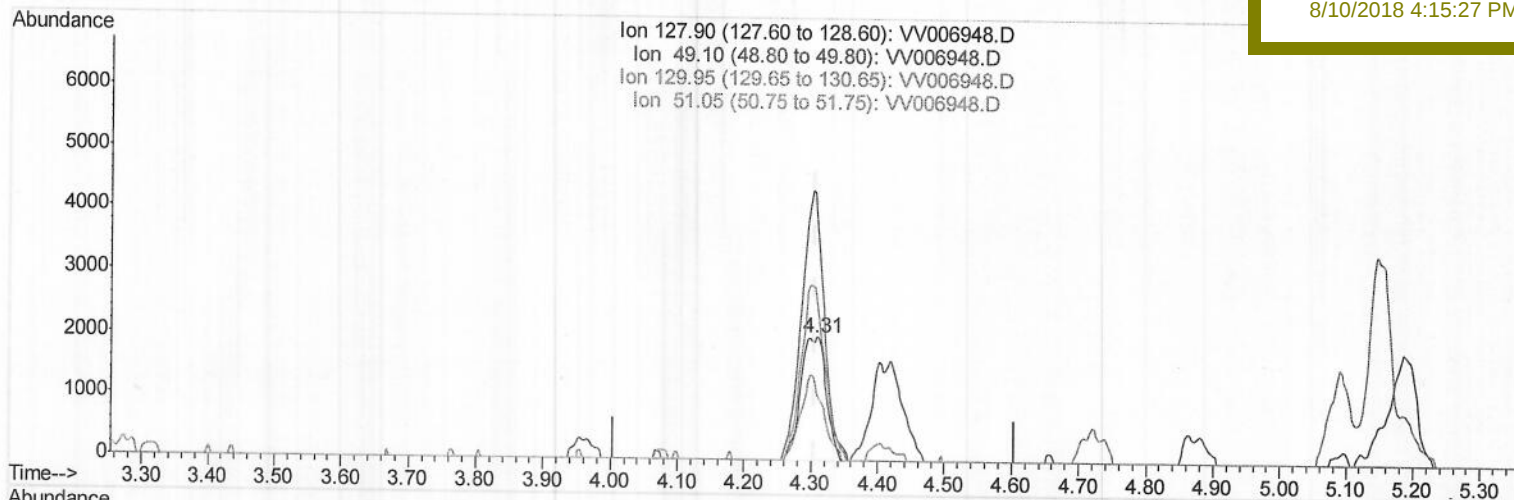
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Manual Integrations  
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(23) Bromochloromethane (T)

4.308min (+0.003) 0.52ug/L m ) MD08/14/18

response 5277

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 127.90 | 100    | 100    |
| 49.10  | 198.00 | 198.04 |
| 129.95 | 128.60 | 131.33 |
| 51.05  | 58.60  | 53.61  |

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Instrument :  
 MSVOA\_V  
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Manual Integrations  
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| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 283114   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 262203   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 107417   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 8936  | 0.49 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 7977  | 0.51 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 17756 | 0.52 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.98  | 46  | 25202 | 4.80 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.40  | 84  | 17075 | 0.46 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.09  | 65  | 8353  | 0.45 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.10  | 84  | 31572 | 0.47 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 10665 | 0.46 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.36  | 98  | 24393 | 0.43 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.67  | 79  | 3428  | 0.43 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.15  | 63  | 10990 | 3.35 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84  | 8245  | 0.46 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.68 | 152 | 9496  | 0.51 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |       |      | Qvalue |
|--------------------------------|------|-----|--------|-------|------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 14720  | 0.534 | ug/L | 98     |
| 3) Chloromethane               | 1.25 | 50  | 15711  | 0.592 | ug/L | 99     |
| 5) Vinyl chloride              | 1.32 | 62  | 14643  | 0.534 | ug/L | 96     |
| 6) Bromomethane                | 1.54 | 94  | 3586   | 0.602 | ug/L | 93     |
| 8) Chloroethane                | 1.60 | 64  | 9122   | 0.548 | ug/L | 96     |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 19273  | 0.552 | ug/L | 93     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 11509  | 0.550 | ug/L | 98     |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 11540  | 0.568 | ug/L | 90     |
| 13) Acetone                    | 2.22 | 43  | 16285  | 6.018 | ug/L | 92     |
| 14) Carbon disulfide           | 2.32 | 76  | 37267  | 0.555 | ug/L | 95     |
| 15) Methyl Acetate             | 2.48 | 43  | 4844   | 0.636 | ug/L | 92     |
| 16) Methylene chloride         | 2.54 | 84  | 16625  | 0.678 | ug/L | 96     |
| 17) Methyl tert-butyl Ether    | 2.82 | 73  | 25570  | 0.525 | ug/L | 94     |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96  | 11864  | 0.545 | ug/L | 93     |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 22182  | 0.564 | ug/L | 98     |
| 21) 2-Butanone                 | 4.06 | 43  | 32111  | 5.465 | ug/L | 98     |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 14129  | 0.572 | ug/L | 86     |
| 23) Bromochloromethane         | 4.31 | 128 | 5277m) | 0.524 | ug/L | 98     |
| 25) Chloroform                 | 4.43 | 83  | 24001  | 0.558 | ug/L | 98     |
| 27) 1,2-Dichloroethane         | 5.19 | 62  | 13810  | 0.515 | ug/L | 98     |
| 29) 1,1,1-Trichloroethane      | 4.66 | 97  | 19238  | 0.550 | ug/L | 99     |
| 30) Cyclohexane                | 4.72 | 56  | 18615  | 0.512 | ug/L | 99     |
| 31) Carbon tetrachloride       | 4.87 | 117 | 15214  | 0.519 | ug/L | 96     |
| 33) Benzene                    | 5.15 | 78  | 46649  | 0.514 | ug/L | 100    |
| 34) Trichloroethene            | 5.96 | 95  | 11668  | 0.536 | ug/L | 95     |
| 35) Methylcyclohexane          | 6.18 | 83  | 16980  | 0.486 | ug/L | 100    |
| 37) 1,2-Dichloropropane        | 6.23 | 63  | 13674  | 0.550 | ug/L | 98     |
| 38) Bromodichloromethane       | 6.56 | 83  | 15323  | 0.542 | ug/L | 99     |
| 39) cis-1,3-Dichloropropene    | 7.08 | 75  | 15475  | 0.515 | ug/L | 96     |
| 40) 4-Methyl-2-pentanone       | 7.29 | 43  | 59482  | 4.429 | ug/L | 98     |

MD08/14/18

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 7.43  | 91   | 40999    | 0.470 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene  | 7.70  | 75   | 11543    | 0.468 | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane      | 7.89  | 97   | 8594     | 0.531 | ug/L   | 96       |
| 47) Tetrachloroethene          | 8.02  | 164  | 9324     | 0.528 | ug/L   | 97       |
| 48) 2-Hexanone                 | 8.20  | 43   | 38631    | 4.078 | ug/L   | 98       |
| 49) Dibromochloromethane       | 8.30  | 129  | 8411     | 0.496 | ug/L   | 81       |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 6922     | 0.507 | ug/L # | 95       |
| 51) Chlorobenzene              | 8.93  | 112  | 29040    | 0.522 | ug/L   | 99       |
| 52) Ethylbenzene               | 9.06  | 91   | 40514    | 0.465 | ug/L   | 100      |
| 53) m,p-xylene                 | 9.19  | 106  | 14848    | 0.457 | ug/L   | 100      |
| 54) o-xylene                   | 9.59  | 106  | 13924    | 0.452 | ug/L   | 94       |
| 55) Styrene                    | 9.61  | 104  | 20874    | 0.402 | ug/L   | 93       |
| 56) Isopropylbenzene           | 9.98  | 105  | 35070    | 0.434 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.29 | 83   | 10375    | 0.528 | ug/L   | 96       |
| 59) 1,2,3-Trichloropropane     | 10.33 | 75   | 6753     | 0.485 | ug/L # | 78       |
| 61) Bromoform                  | 9.78  | 173  | 4528     | 0.557 | ug/L   | 92       |
| 62) 1,3-Dichlorobenzene        | 11.23 | 146  | 18876    | 0.543 | ug/L   | 95       |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146  | 19143    | 0.537 | ug/L   | 93       |
| 65) 1,2-Dichlorobenzene        | 11.70 | 146  | 18223    | 0.533 | ug/L   | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75   | 1283     | 0.529 | ug/L   | 97       |
| 67) 1,3,5-Trichlorobenzene     | 12.70 | 180  | 13470    | 0.512 | ug/L   | 96       |
| 68) 1,2,4-trichlorobenzene     | 13.32 | 180  | 9555     | 0.495 | ug/L   | 93       |
| 69) Naphthalene                | 13.56 | 128  | 12317    | 0.444 | ug/L   | 98       |
| 70) 1,2,3-Trichlorobenzene     | 13.80 | 180  | 8754     | 0.470 | ug/L   | 95       |

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