

# Quantitation Report (QT Reviewed)

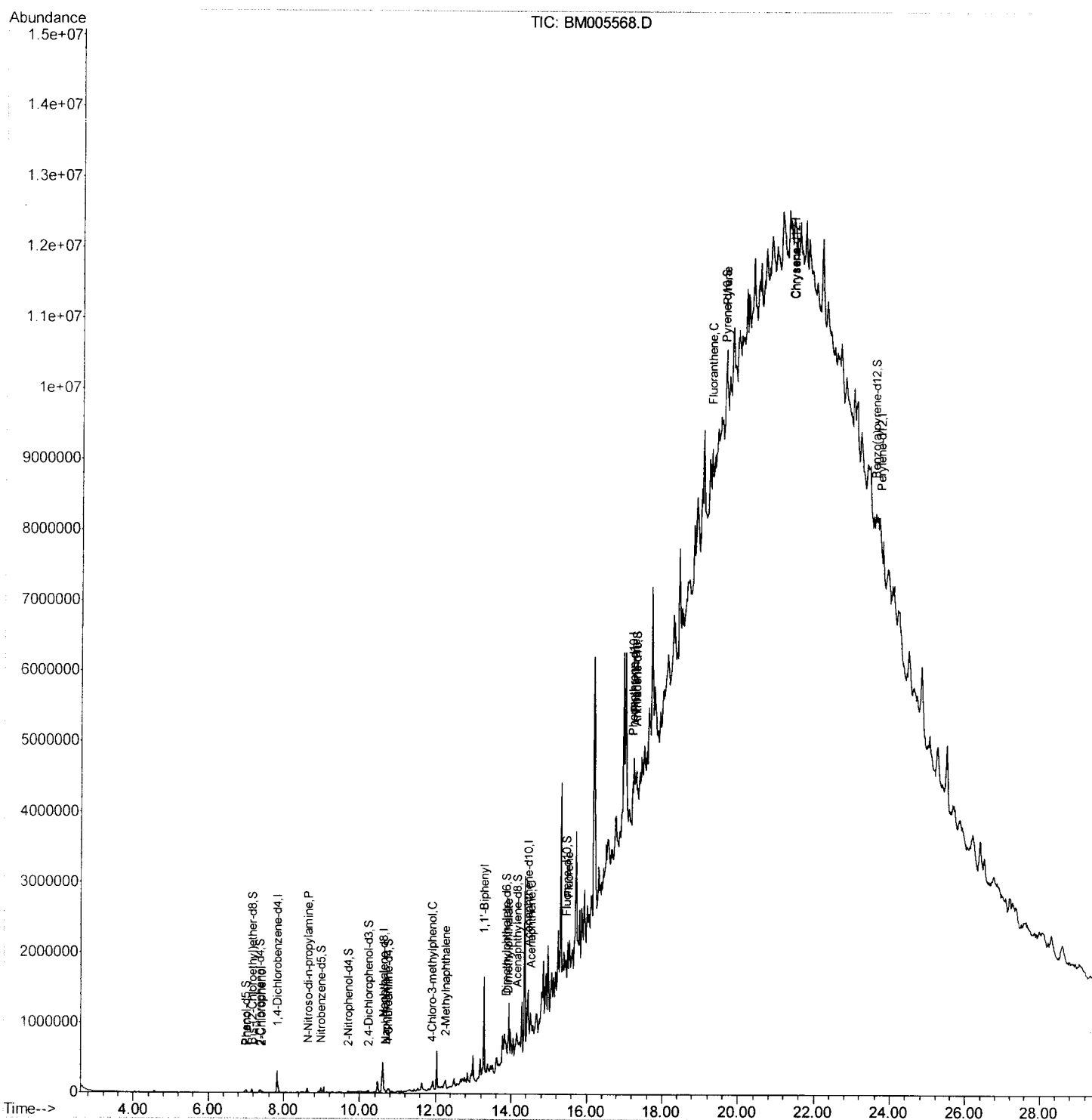
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM052116\  
 Data File : BM005568.D  
 Acq On : 22 May 2016 01:49  
 Operator : UM/SJ  
 Sample : H2922-03MSD 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E5NG0MSD

Manual Integrations  
 APPROVED

umangi  
 5/23/2016 8:32:51 PM

Quant Time: May 23 12:04:14 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun May 22 05:33:20 2016  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

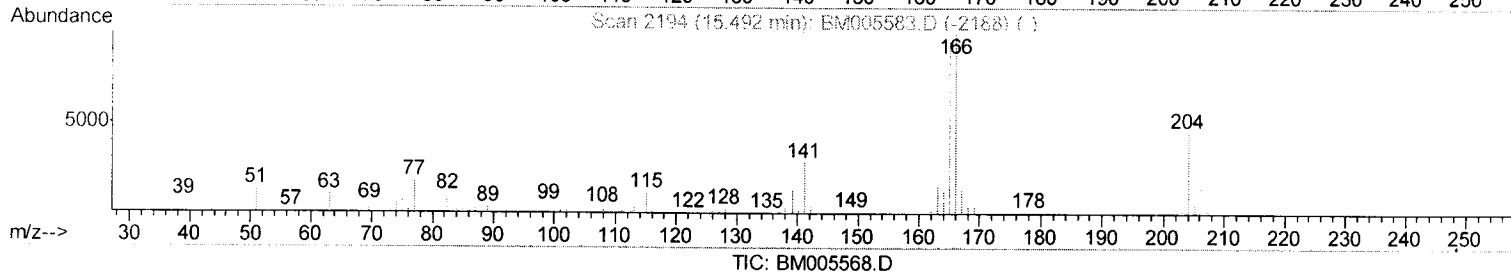
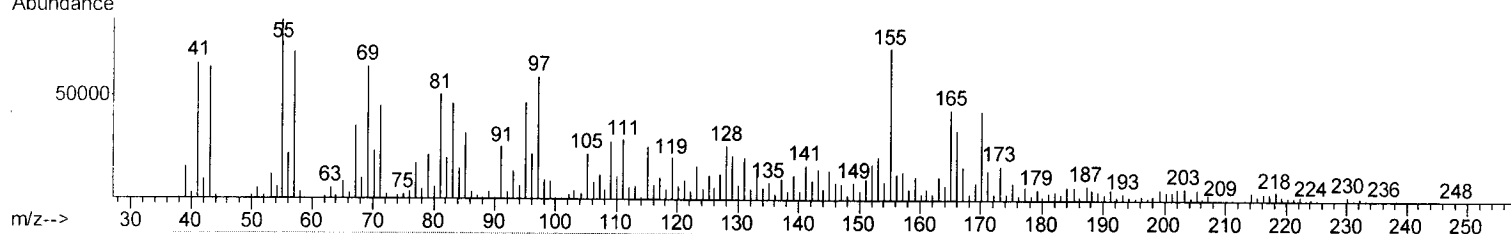
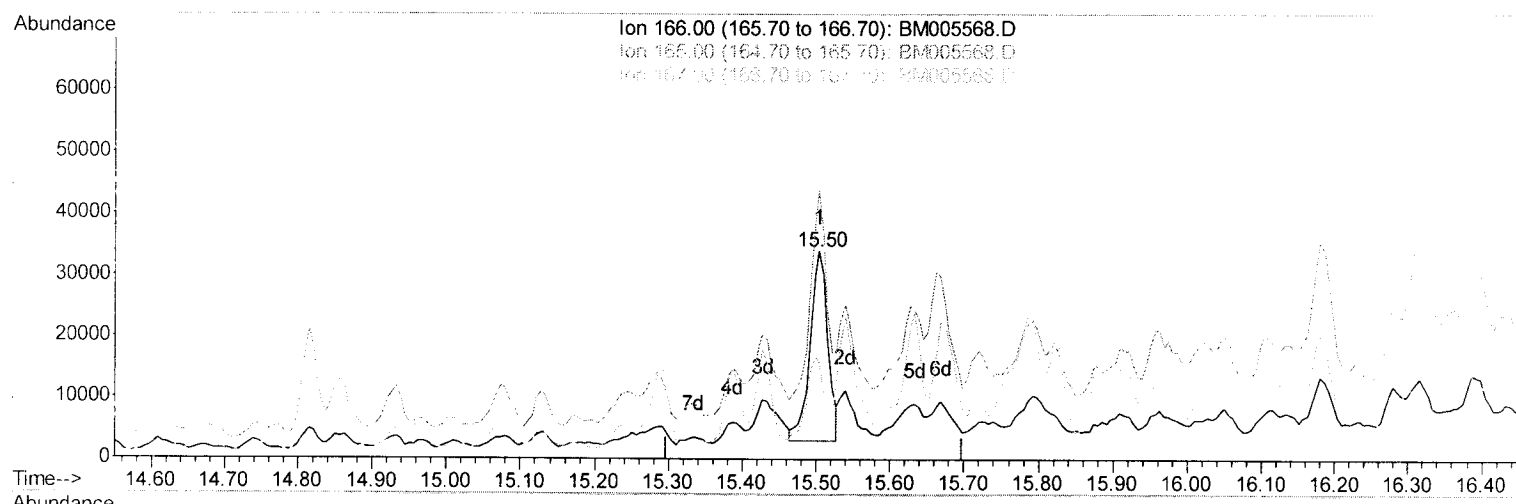
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Quant Time: May 22 05:50:48 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun May 22 05:33:20 2016  
 Response via : Initial Calibration



(58) Fluorene

15.504min (+0.006) 3.61ng/ul m

response 52322

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 166.00 | 100   | 100     |
| 165.00 | 97.50 | 129.57# |
| 167.00 | 13.10 | 47.08#  |
| 0.00   | 0.00  | 0.00    |

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 05/24/16

# Quantitation Report (Qedit)

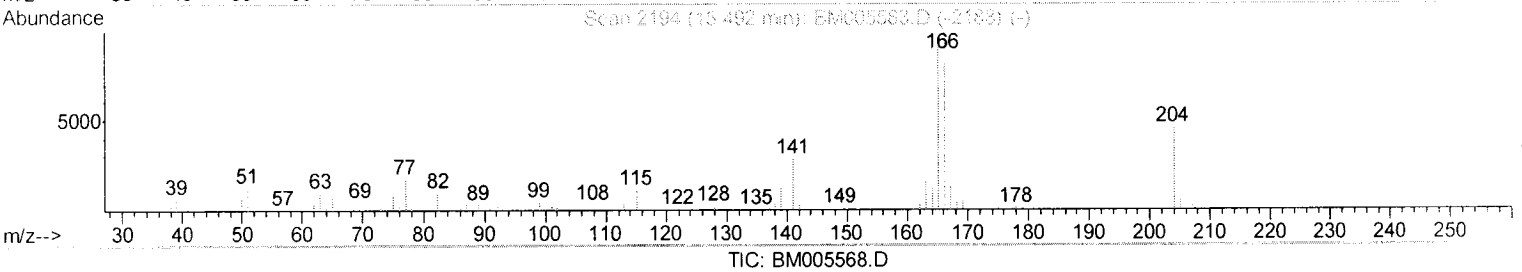
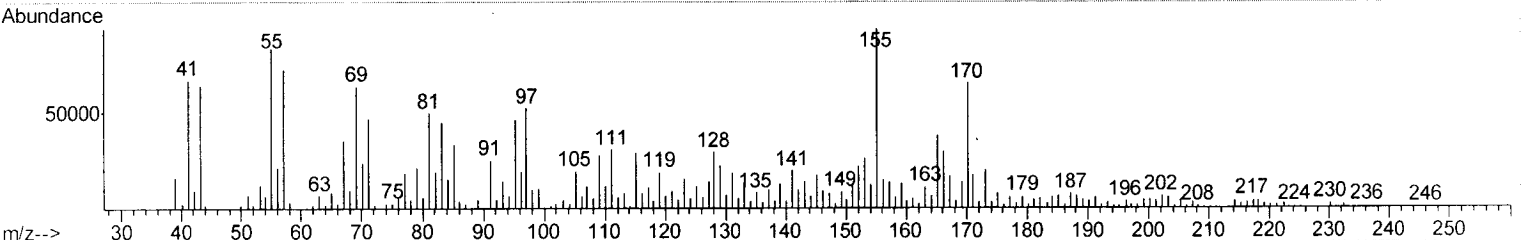
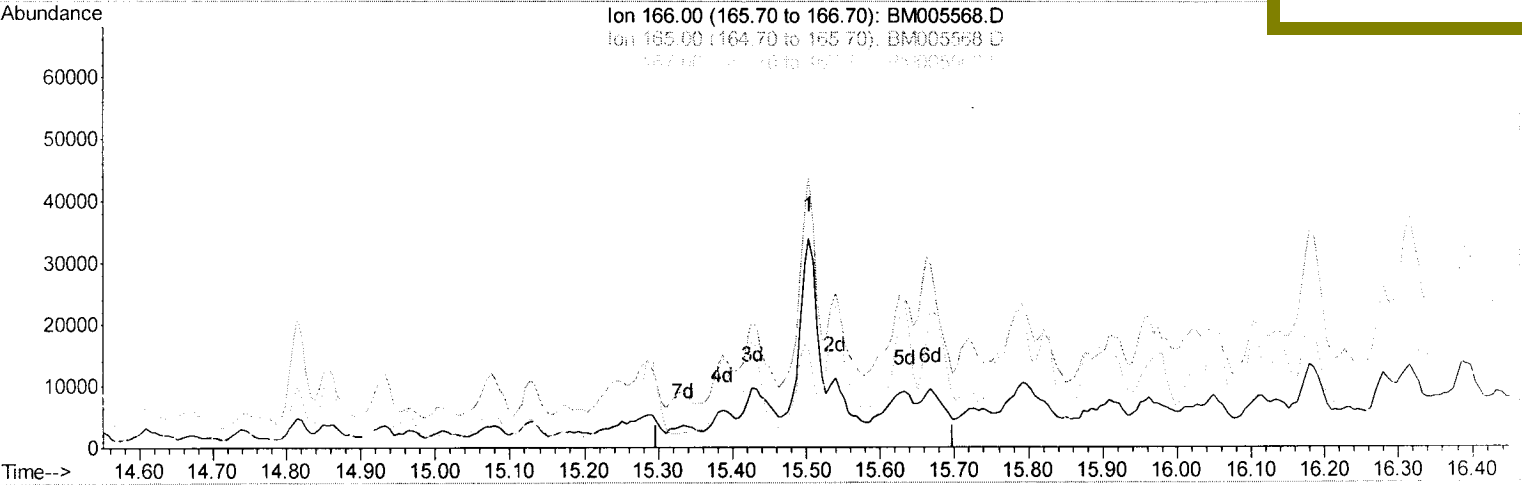
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 Sample : H2922-03MSD 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 E5NG0MSD

Quant Time: May 22 05:50:48 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM052016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun May 22 05:33:20 2016  
 Response via : Initial Calibration

Manual Integrations  
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(58) Fluorene

15.498min (-15.498) 0.00ng/ul d

response 0

| Ion    | Exp%  | Act% |
|--------|-------|------|
| 166.00 | 100   | 0.00 |
| 165.00 | 97.50 | 0.00 |
| 167.00 | 13.10 | 0.00 |
| 0.00   | 0.00  | 0.00 |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM052116\  
 Data File : BM005568.D  
 Acq On : 22 May 2016 01:49  
 Operator : UM/SJ  
 Sample : H2922-03MSD 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E5NG0MSD

Quant Time: May 23 12:04:14 2016  
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Manual Integrations  
 APPROVED

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 85922    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.61 | 136  | 357838   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.46 | 164  | 185296   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.20 | 188  | 320215   | 20.00 | ng/ul | 0.01     |
| 75) Chrysene-d12          | 21.40 | 240  | 297606   | 20.00 | ng/ul | 0.04     |
| 83) Perylene-d12          | 23.71 | 264  | 381407   | 20.00 | ng/ul | 0.08     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.31  | 96  | 1491   | 0.76 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 20881  | 2.96 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67  | 24137  | 5.91 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.36  | 132 | 17054  | 2.90 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.52  | 113 | 4873   | 0.84 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.97  | 128 | 16171  | 5.91 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.69  | 143 | 7508   | 2.49 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.23 | 165 | 12393  | 2.18 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.75 | 131 | 29266  | 5.15 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.86 | 166 | 100174 | 6.62 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.14 | 160 | 136736 | 7.23 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 0.00  | 143 | 0d     | 0.00 | ng/ul |      |
| 57) Fluorene-d10               | 15.45 | 176 | 92272  | 7.01 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0d     | 0.00 | ng/ul |      |
| 70) Anthracene-d10             | 17.30 | 188 | 110587 | 7.25 | ng/ul | 0.01 |
| 76) Pyrene-d10                 | 19.61 | 212 | 115815 | 8.59 | ng/ul | 0.03 |
| 87) Benzo(a)pyrene-d12         | 23.56 | 264 | 101143 | 5.68 | ng/ul | 0.06 |

## Target Compounds

|                                |       |     |        |       | Qvalue |    |
|--------------------------------|-------|-----|--------|-------|--------|----|
| 6) Phenol                      | 7.01  | 94  | 18821  | 2.59  | ng/ul  | 97 |
| 10) 2-Chlorophenol             | 7.39  | 128 | 15701  | 2.66  | ng/ul  | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.62  | 70  | 25410  | 5.54  | ng/ul  | 93 |
| 28) Naphthalene                | 10.66 | 128 | 23838  | 1.33  | ng/ul  | 97 |
| 33) 4-Chloro-3-methylphenol    | 11.89 | 107 | 9794   | 1.60  | ng/ul  | 91 |
| 34) 2-Methylnaphthalene        | 12.27 | 142 | 50680  | 3.85  | ng/ul  | 98 |
| 40) 1,1'-Biphenyl              | 13.29 | 154 | 54332  | 3.49  | ng/ul  | 97 |
| 44) Dimethylphthalate          | 13.91 | 163 | 22003  | 1.47  | ng/ul# | 89 |
| 49) Acenaphthene               | 14.52 | 153 | 117923 | 9.31  | ng/ul  | 97 |
| 58) Fluorene                   | 15.50 | 166 | 52322m | 3.61  | ng/ul  |    |
| 69) Phenanthrene               | 17.25 | 178 | 543898 | 30.39 | ng/ul# | 92 |
| 74) Fluoranthene               | 19.27 | 202 | 308395 | 15.31 | ng/ul# | 93 |
| 77) Pyrene                     | 19.64 | 202 | 432988 | 25.31 | ng/ul  | 98 |
| 82) Chrysene                   | 21.43 | 228 | 144710 | 8.70  | ng/ul# | 48 |

U.M.  
 06/24/16

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