

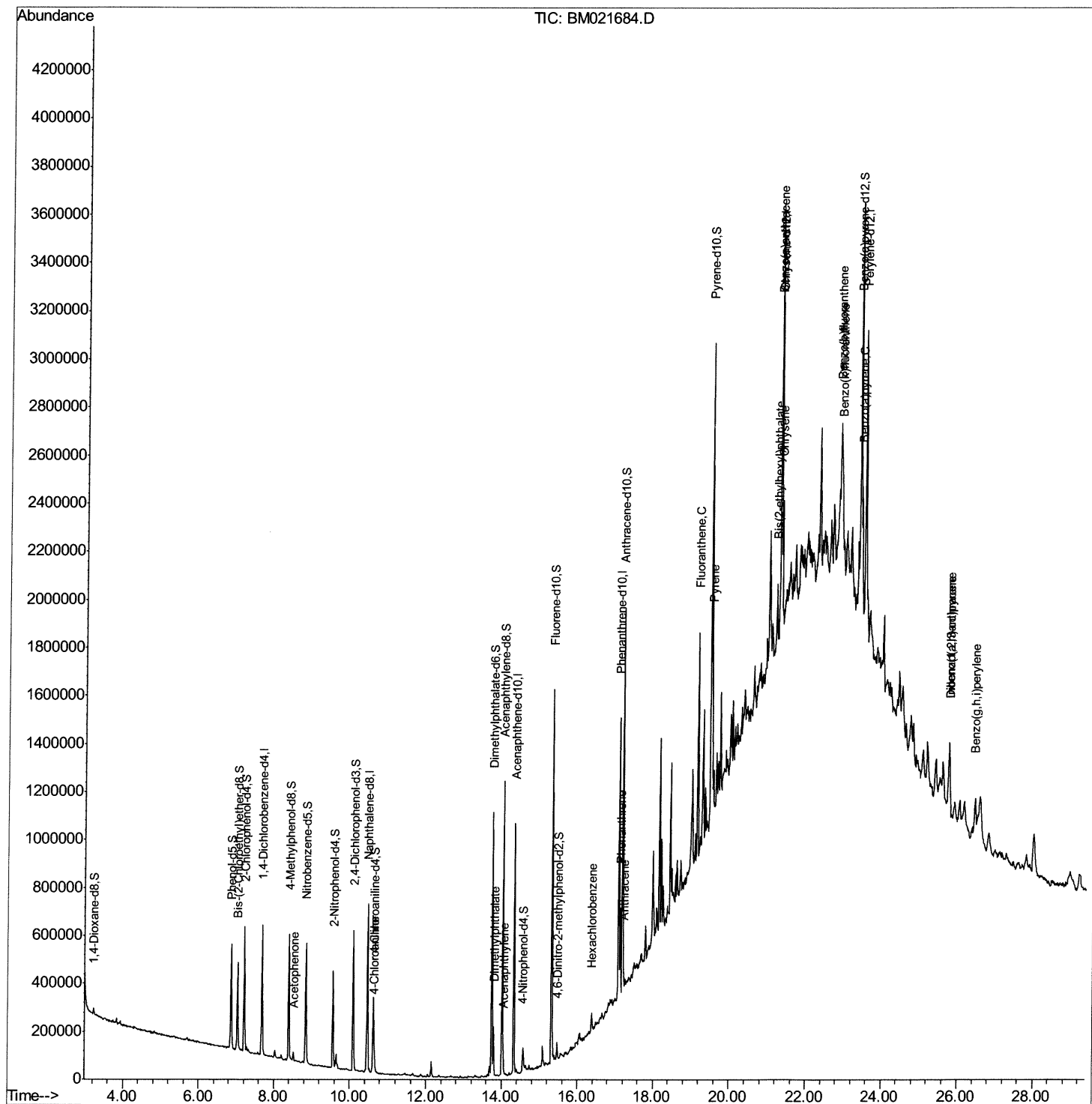
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\  
Data File : BM021684.D  
Acq On : 27 Jul 2019 11:54  
Operator : HP/JU  
Sample : K3893-12  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEP16

Manual Integrations  
APPROVED

mohammad  
7/29/2019 2:29:42 PM

Quant Time: Jul 29 05:06:43 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072619MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jul 26 18:42:09 2019  
Response via : Initial Calibration



## Quantitation Report (Qedit)

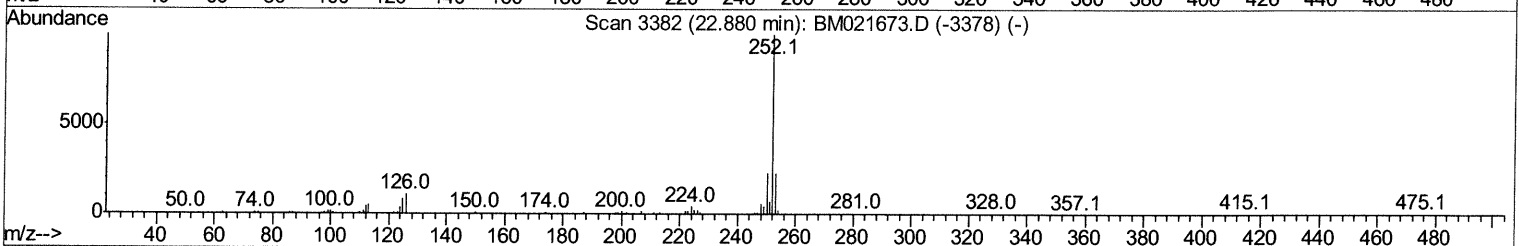
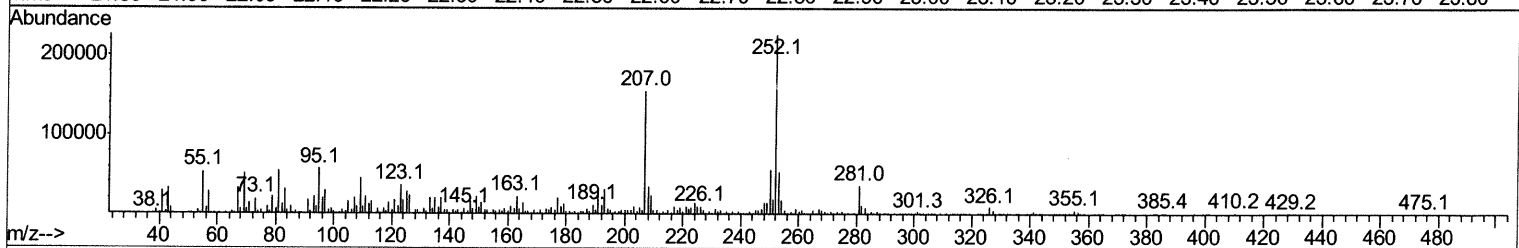
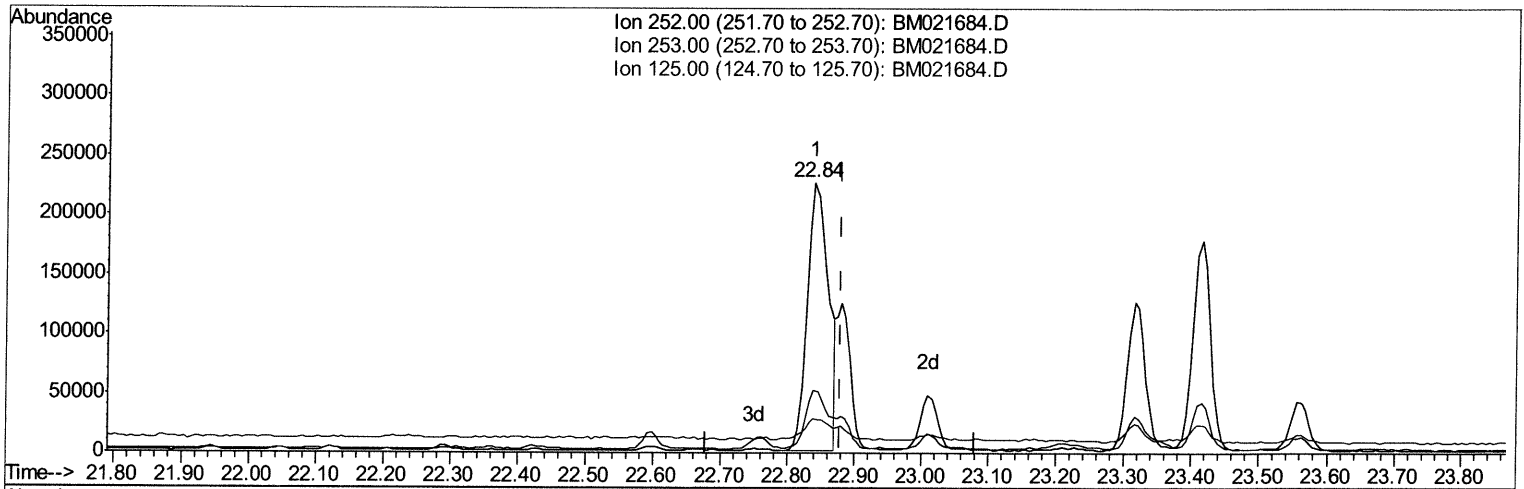
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Manual Integrations  
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mohammad  
7/29/2019 2:29:42 PM

Quant Time: Jul 29 04:48:03 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072619MA.M  
Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration



TIC: BM021684.D

(88) Benzo(k)fluoranthene

22.839min (-0.041) 8.56ng/ul

response 488521

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.10 | 23.34  |
| 125.00 | 7.90  | 12.70# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

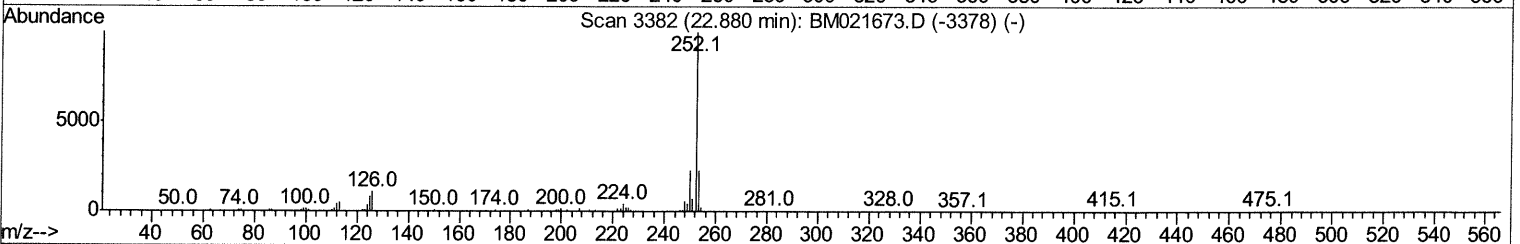
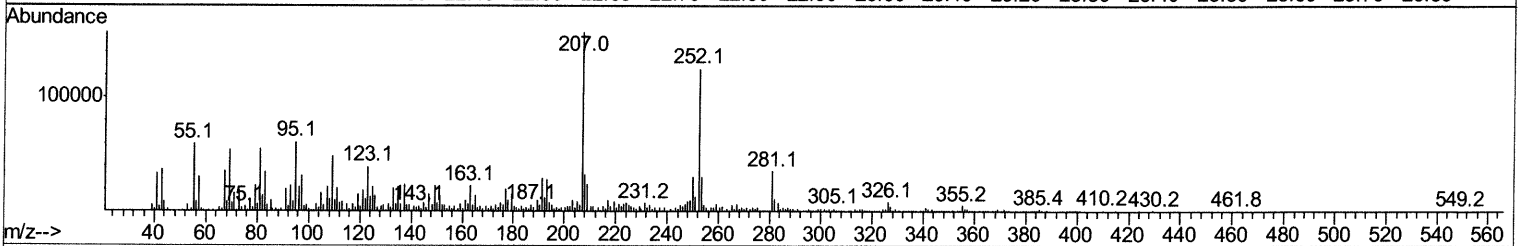
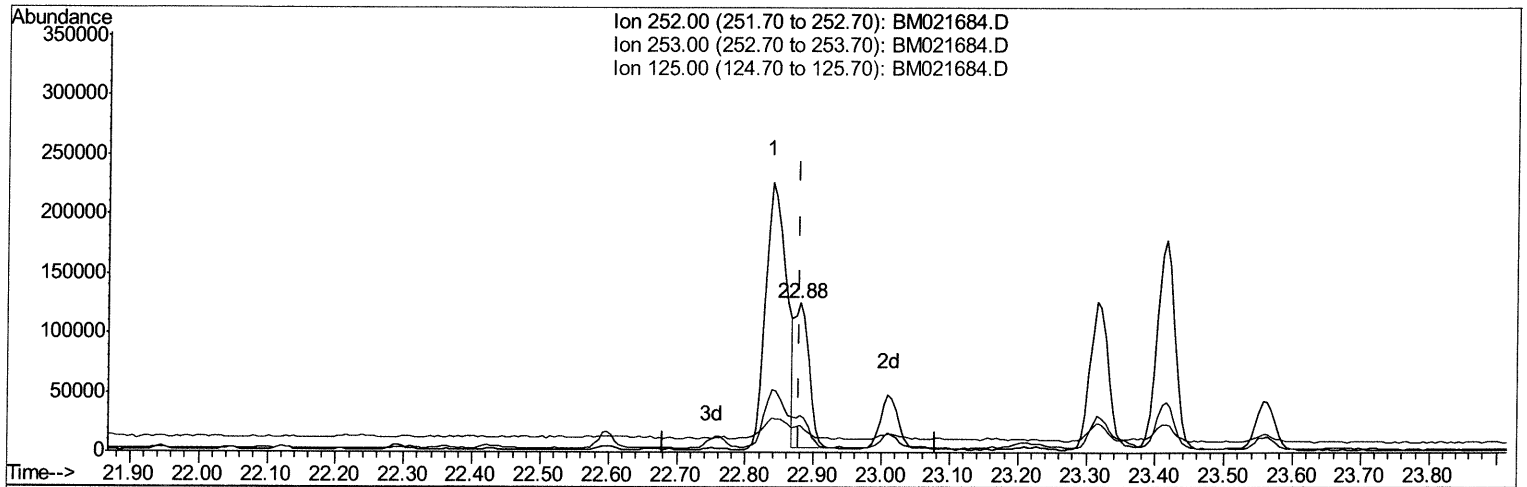
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\  
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 Acq On : 27 Jul 2019 11:54  
 Operator : HP/JU  
 Sample : K3893-12  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 BEP16

**Manual Integrations**  
**APPROVED**

mohammad  
 7/29/2019 2:29:42 PM

Quant Time: Jul 29 04:48:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 26 18:42:09 2019  
 Response via : Initial Calibration



TIC: BM021684.D

(88) Benzo(k)fluoranthene

22.880min (+0.000) 2.97ng/ul m

JU  
 07/29/19

response 169313

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.10 | 24.65  |
| 125.00 | 7.90  | 17.81# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\  
 Data File : BM021684.D  
 Acq On : 27 Jul 2019 11:54  
 Operator : HP/JU  
 Sample : K3893-12  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 BEP16

Manual Integrations  
 APPROVED

mohammad  
 7/29/2019 2:29:42 PM

Quant Time: Jul 29 05:06:43 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 26 18:42:09 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 152464   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.46 | 136  | 575935   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.33 | 164  | 332980   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.08 | 188  | 665162   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.27 | 240  | 700781   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.51 | 264  | 858189   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 14715   | 4.64  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.86  | 99  | 253994  | 22.14 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.03  | 67  | 163446  | 24.89 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.22  | 132 | 232548  | 24.44 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.39  | 113 | 206255  | 21.43 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.85  | 128 | 116012  | 26.94 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.56  | 143 | 129409  | 27.28 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.09 | 165 | 238966  | 23.53 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.62 | 131 | 187386  | 19.50 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.75 | 166 | 706242  | 27.48 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.02 | 160 | 807025  | 26.42 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.57 | 143 | 29184   | 7.48  | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.32 | 176 | 610010  | 27.06 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 13858   | 3.35  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.18 | 188 | 880542  | 26.31 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.48 | 212 | 969062  | 24.65 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.37 | 264 | 1146667 | 25.25 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 14) Acetophenone               | 8.52  | 105 | 20928   | 1.306  | ng/ul 96  |
| 30) 4-Chloroaniline            | 10.65 | 127 | 32687   | 3.173  | ng/ul 100 |
| 44) Dimethylphthalate          | 13.79 | 163 | 118649  | 4.448  | ng/ul 99  |
| 47) Acenaphthylene             | 14.05 | 152 | 41751   | 1.276  | ng/ul 97  |
| 66) Hexachlorobenzene          | 16.37 | 284 | 14957   | 1.422  | ng/ul 99  |
| 69) Phenanthrene               | 17.12 | 178 | 207617  | 5.182  | ng/ul 100 |
| 71) Anthracene                 | 17.22 | 178 | 62763   | 1.529  | ng/ul 95  |
| 76) Fluoranthene               | 19.14 | 202 | 585830  | 12.535 | ng/ul 99  |
| 79) Pyrene                     | 19.51 | 202 | 468892  | 8.967  | ng/ul 99  |
| 82) Benzo(a)anthracene         | 21.26 | 228 | 324391  | 6.357  | ng/ul 95  |
| 83) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 71536   | 3.080  | ng/ul 98  |
| 84) Chrysene                   | 21.31 | 228 | 307629  | 6.394  | ng/ul 96  |
| 87) Benzo(b)fluoranthene       | 22.84 | 252 | 488521  | 8.366  | ng/ul# 94 |
| 88) Benzo(k)fluoranthene       | 22.88 | 252 | 169313m | 2.966  | ng/ul# 94 |
| 90) Benzo(a)pyrene             | 23.42 | 252 | 320443  | 5.861  | ng/ul# 94 |
| 91) Indeno(1,2,3-cd)pyrene     | 25.76 | 276 | 265978  | 4.195  | ng/ul 99  |
| 92) Dibenzo(a,h)anthracene     | 25.76 | 278 | 71242   | 1.352  | ng/ul# 80 |
| 93) Benzo(a,h,i)perylene       | 26.45 | 276 | 218123  | 4.138  | ng/ul 97  |

7/29/19

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