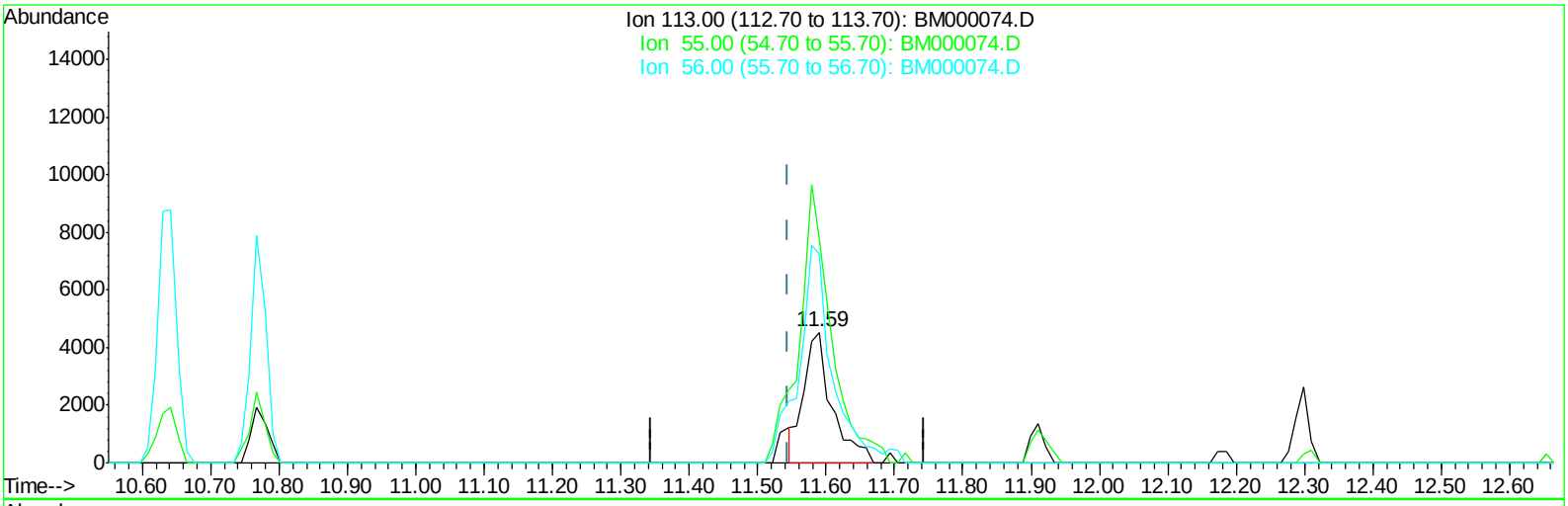
Quantitation Report (Qedit)

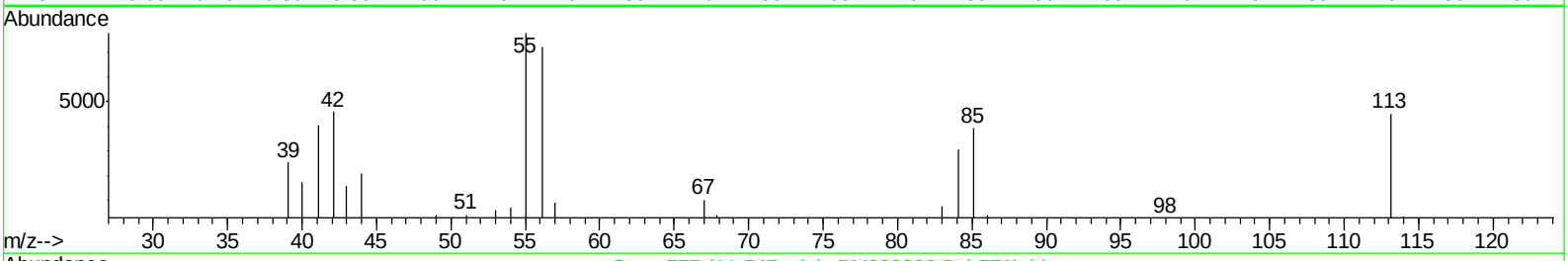
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000074.D
Acq On : 29 Dec 2014 23:52
Operator : TP
Sample : MDL-07-S
Misc : MDL--SOIL-4PPM
ALS Vial : 24 Sample Multiplier: 1

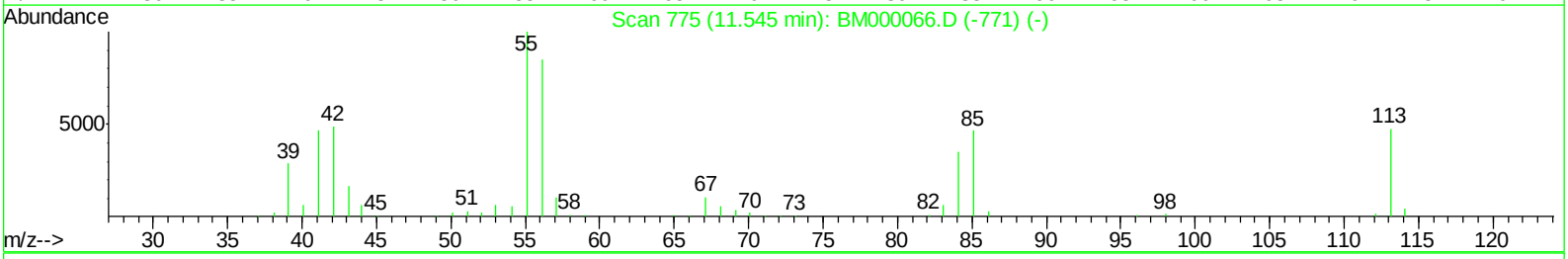
Quant Time: Dec 31 03:06:43 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
MDL-01-S

**Manual Integrations APPROVED**
TEJASKUMAR
1/7/2015 9:20:57 AM




TIC: BM000074.D

(32) Caprolactam

11.591min (+0.046) 2.42ng/ul

response 13108

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 195.70 | 172.18 |
| 56.00 | 157.90 | 159.71 |
| 0.00 | 0.00 | 0.00 |

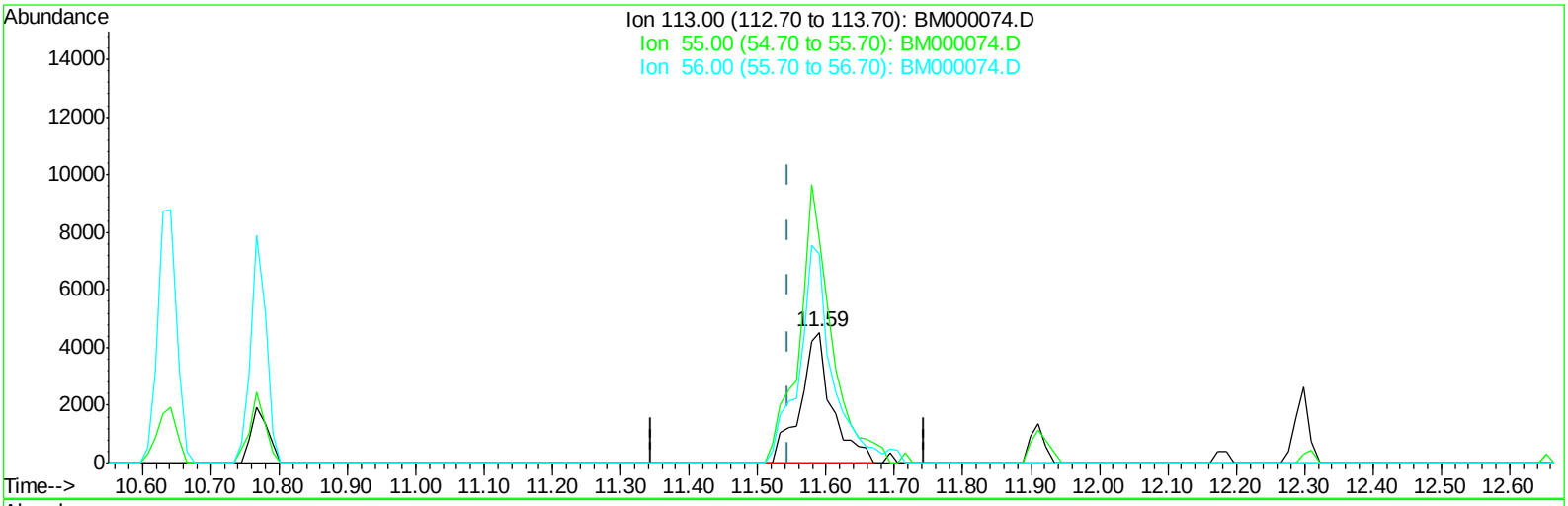
Quantitation Report (Qedit)

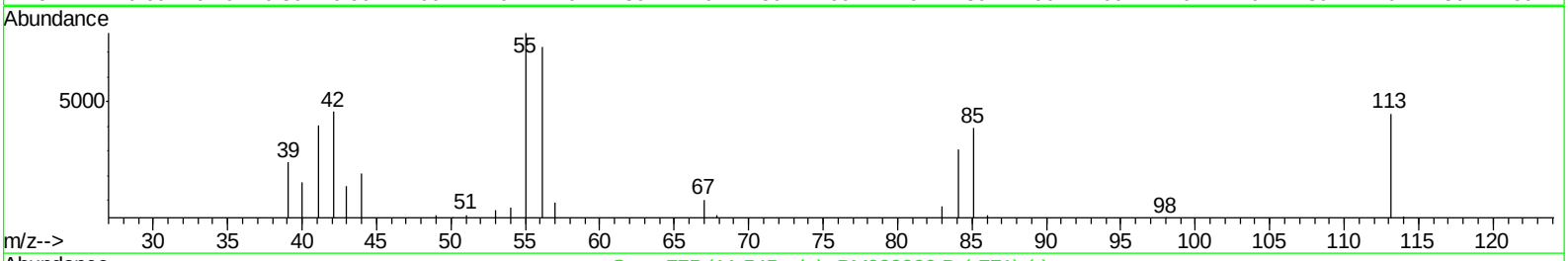
Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000074.D
Acq On : 29 Dec 2014 23:52
Operator : TP
Sample : MDL-07-S
Misc : MDL--SOIL-4PPM
ALS Vial : 24 Sample Multiplier: 1

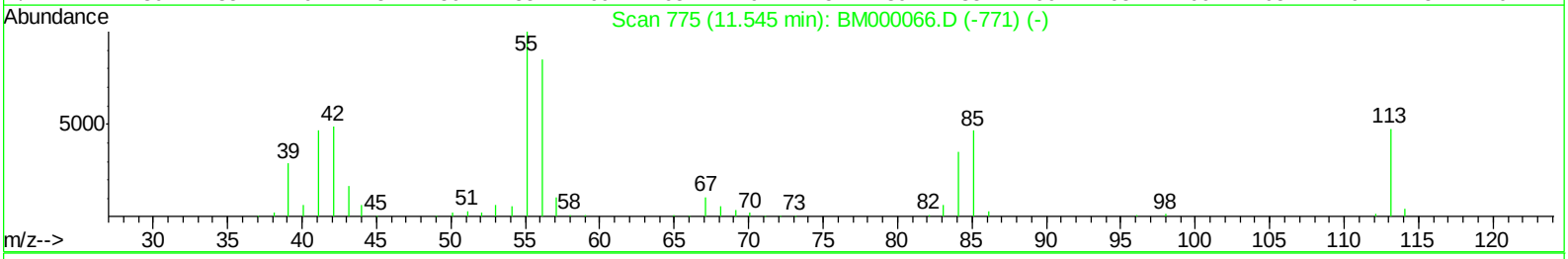
Quant Time: Dec 31 03:06:43 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
MDL-01-S

**Manual Integrations APPROVED**
TEJASKUMAR
1/7/2015 9:20:57 AM




TIC: BM000074.D

(32) Caprolactam

11.591min (+0.046) 2.71ng/ul m

response 14687

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 195.70 | 172.18 |
| 56.00 | 157.90 | 159.71 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000074.D
Acq On : 29 Dec 2014 23:52
Operator : TP
Sample : MDL-07-S
Misc : MDL--SOIL-4PPM
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
MDL-01-S

**Manual Integrations APPROVED**
TEJASKUMAR
1/7/2015 9:20:57 AM

Quant Time: Dec 31 06:57:42 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.84 | 152 | 236341 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.64 | 136 | 1044316 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.48 | 164 | 746251 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.23 | 188 | 1494515 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.41 | 240 | 1412510 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.71 | 264 | 1092560 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.33 | 96 | 22700 | 5.57 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.00 | 99 | 700959 | 34.24 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.18 | 67 | 455138 | 36.36 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.37 | 132 | 514611 | 35.30 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.54 | 113 | 568296 | 35.14 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.00 | 128 | 271813 | 37.64 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.72 | 143 | 290457 | 39.46 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.25 | 165 | 555157 | 33.95 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.77 | 131 | 760297 | 41.16 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.89 | 166 | 1990657 | 36.17 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.17 | 160 | 2312488 | 35.07 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.67 | 143 | 292416 | 32.89 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.48 | 176 | 1643682 | 34.78 | ng/ul | 0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 186547 | 25.17 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.32 | 188 | 2529844 | 36.61 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.61 | 212 | 2687383 | 41.24 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.56 | 264 | 1892080 | 38.38 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.36 | 88 | 17755 | 3.14 | ng/uL# | 91 |
| 4) Benzaldehyde | 6.98 | 77 | 48039 | 3.77 | ng/ul | 99 |
| 6) Phenol | 7.03 | 94 | 67387 | 3.16 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.27 | 93 | 55746 | 3.42 | ng/ul | 97 |
| 10) 2-Chlorophenol | 7.41 | 128 | 46888 | 3.07 | ng/ul | 100 |
| 11) 2-Methylphenol | 8.28 | 108 | 50040 | 3.04 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.38 | 45 | 90334 | 3.44 | ng/ul | 98 |
| 14) Acetophenone | 8.66 | 105 | 89825 | 3.25 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.65 | 70 | 44581 | 3.08 | ng/ul | 99 |
| 16) 4-Methylphenol | 8.61 | 108 | 57256 | 3.22 | ng/ul | 96 |
| 17) Hexachloroethane | 8.93 | 117 | 22450 | 3.22 | ng/ul | 97 |
| 20) Nitrobenzene | 9.04 | 77 | 74080 | 3.44 | ng/ul | 97 |
| 21) Isophorone | 9.57 | 82 | 127726 | 3.08 | ng/ul | 97 |
| 23) 2-Nitrophenol | 9.75 | 139 | 28472 | 3.50 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.81 | 107 | 69699 | 3.15 | ng/ul | 95 |
| 25) Bis(2-Chloroethoxy)methane | 10.05 | 93 | 76225 | 3.30 | ng/ul | 96 |
| 27) 2,4-Dichlorophenol | 10.28 | 162 | 50382 | 3.10 | ng/ul# | 81 |
| 28) Naphthalene | 10.69 | 128 | 166258 | 3.12 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.79 | 127 | 65949 | 3.45 | ng/ul | 96 |
| 31) Hexachlorobutadiene | 10.97 | 225 | 39133 | 3.40 | ng/ul | 93 |
| 32) Caprolactam | 11.59 | 113 | 14687m | 2.71 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.91 | 107 | 58049 | 2.91 | ng/ul | 94 |
| 34) 2-Methylnaphthalene | 12.30 | 142 | 126811 | 3.21 | ng/ul | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000074.D
Acq On : 29 Dec 2014 23:52
Operator : TP
Sample : MDL-07-S
Misc : MDL--SOIL-4PPM
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
MDL-01-S

**Manual Integrations APPROVED**
TEJASKUMAR
1/7/2015 9:20:57 AM

Quant Time: Dec 31 06:57:42 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.66 | 216 | 67441 | 3.26 | ng/ul | 96 |
| 37) Hexachlorocyclopentadiene | 12.65 | 237 | 36220 | 2.65 | ng/ul | 97 |
| 38) 2,4,6-Trichlorophenol | 12.90 | 196 | 38796 | 2.94 | ng/ul | 95 |
| 39) 2,4,5-Trichlorophenol | 12.97 | 196 | 41782 | 2.91 | ng/ul | 93 |
| 40) 1,1'-Biphenyl | 13.32 | 154 | 173683 | 3.23 | ng/ul | 97 |
| 41) 2-Chloronaphthalene | 13.35 | 162 | 133031 | 3.23 | ng/ul | 98 |
| 42) 2-Nitroaniline | 13.56 | 65 | 37975 | 2.84 | ng/ul | 95 |
| 44) Dimethylphthalate | 13.93 | 163 | 176436 | 3.22 | ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.05 | 165 | 27591 | 2.81 | ng/ul# | 83 |
| 47) Acenaphthylene | 14.20 | 152 | 218618 | 3.14 | ng/ul | 98 |
| 48) 3-Nitroaniline | 14.38 | 138 | 29389 | 2.93 | ng/ul# | 91 |
| 49) Acenaphthene | 14.54 | 153 | 141994 | 3.20 | ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.59 | 184 | 6644 | 1.33 | ng/ul | 92 |
| 52) 4-Nitrophenol | 14.68 | 109 | 35799 | 3.03 | ng/ul | 95 |
| 53) Dibenzofuran | 14.87 | 168 | 207914 | 3.24 | ng/ul | 96 |
| 54) 2,4-Dinitrotoluene | 14.84 | 165 | 43621 | 2.98 | ng/ul | 89 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.10 | 232 | 34627 | 2.80 | ng/ul | 99 |
| 56) Diethylphthalate | 15.29 | 149 | 185822 | 3.23 | ng/ul | 97 |
| 58) Fluorene | 15.52 | 166 | 173573 | 3.26 | ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.52 | 204 | 87165 | 3.32 | ng/ul | 90 |
| 60) 4-Nitroaniline | 15.53 | 138 | 35621 | 3.14 | ng/ul | 93 |
| 63) 4,6-Dinitro-2-methylphenol | 15.59 | 198 | 17643 | 2.33 | ng/ul# | 20 |
| 64) N-Nitrosodiphenylamine | 15.73 | 169 | 143774 | 3.32 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.41 | 248 | 48669 | 3.20 | ng/ul# | 89 |
| 66) Hexachlorobenzene | 16.53 | 284 | 56531 | 3.22 | ng/ul | 95 |
| 67) Atrazine | 16.68 | 200 | 52683 | 3.08 | ng/ul | 99 |
| 68) Pentachlorophenol | 16.87 | 266 | 23667 | 2.22 | ng/ul | 99 |
| 69) Phenanthrene | 17.26 | 178 | 276661 | 3.42 | ng/ul | 99 |
| 71) Anthracene | 17.35 | 178 | 269130 | 3.24 | ng/ul | 98 |
| 72) Carbazole | 17.61 | 167 | 241891 | 3.23 | ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.19 | 149 | 290560 | 3.25 | ng/ul | 99 |
| 74) Fluoranthene | 19.27 | 202 | 310635 | 3.35 | ng/ul# | 97 |
| 77) Pyrene | 19.64 | 202 | 331212 | 3.89 | ng/ul | 96 |
| 78) Butylbenzylphthalate | 20.54 | 149 | 108389 | 3.13 | ng/ul | 92 |
| 79) 3,3'-Dichlorobenzidine | 21.32 | 252 | 75051 | 2.91 | ng/ul# | 97 |
| 80) Benzo(a)anthracene | 21.39 | 228 | 285185 | 3.50 | ng/ul | 98 |
| 81) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 154509 | 3.07 | ng/ul# | 99 |
| 82) Chrysene | 21.44 | 228 | 248382 | 3.31 | ng/ul | 98 |
| 84) Di-n-octyl phthalate | 22.22 | 149 | 218128 | 2.90 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 23.01 | 252 | 238491 | 3.42 | ng/ul | 99 |
| 86) Benzo(k)fluoranthene | 23.05 | 252 | 197752 | 3.32 | ng/ul | 100 |
| 88) Benzo(a)pyrene | 23.60 | 252 | 202688 | 3.31 | ng/ul | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 26.04 | 276 | 204028 | 3.19 | ng/ul | 97 |
| 90) Dibenzo(a,h)anthracene | 26.05 | 278 | 173950 | 3.23 | ng/ul | 100 |
| 91) Benzo(g,h,i)perylene | 26.75 | 276 | 166481 | 3.17 | ng/ul | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000074.D
Acq On : 29 Dec 2014 23:52
Operator : TP
Sample : MDL-07-S
Misc : MDL--SOIL-4PPM
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 31 06:57:42 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
MDL-01-S

**Manual Integrations APPROVED**
TEJASKUMAR
1/7/2015 9:20:57 AM