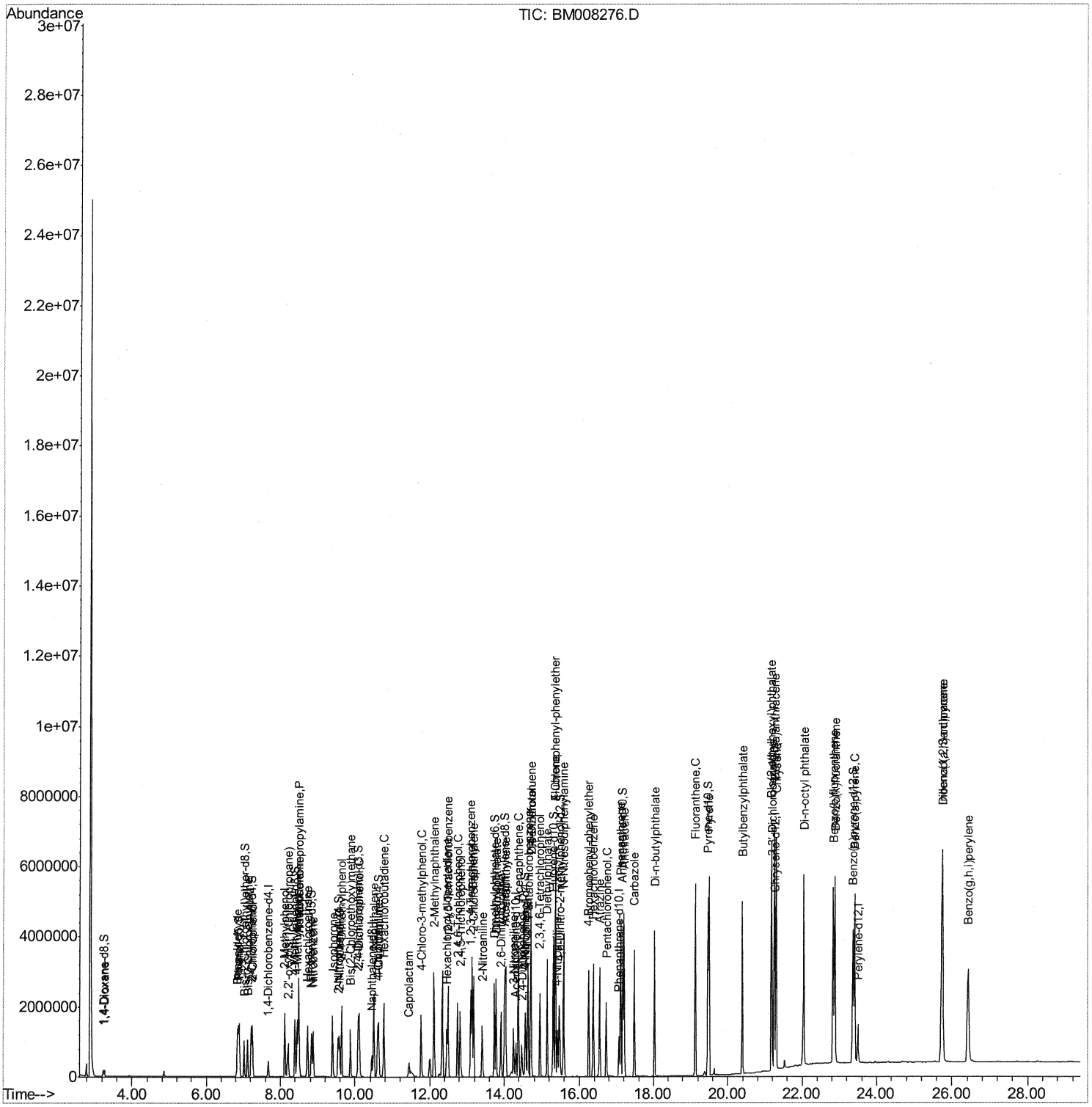
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
Data File : BM008276.D
Acq On : 13 Dec 2016 17:12
Operator : UM/SJ
Sample : SSTD08039
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 13 17:48:57 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1213
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:15:54 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD08039

Manual Integrations APPROVED
sohil
12/14/2016 6:14:29 PM



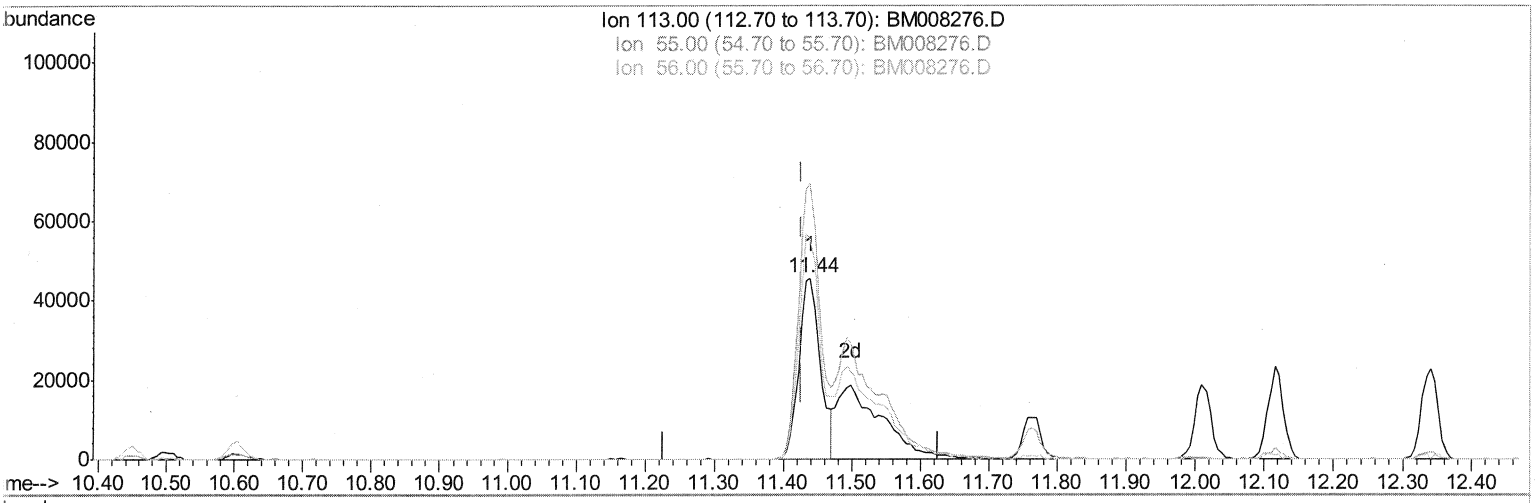
Quantitation Report (Qedit)

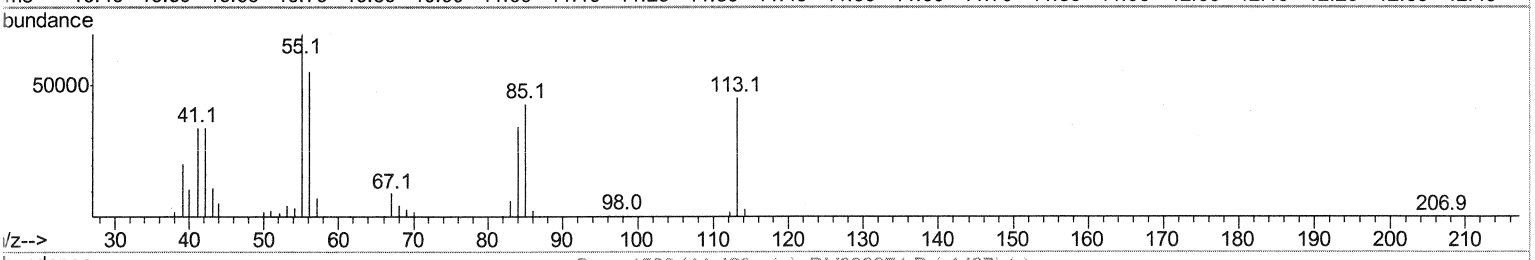
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
Data File : BM008276.D
Acq On : 13 Dec 2016 17:12
Operator : UM/SJ
Sample : SSTD08039
Misc :
ALS Vial : 6 Sample Multiplier: 1

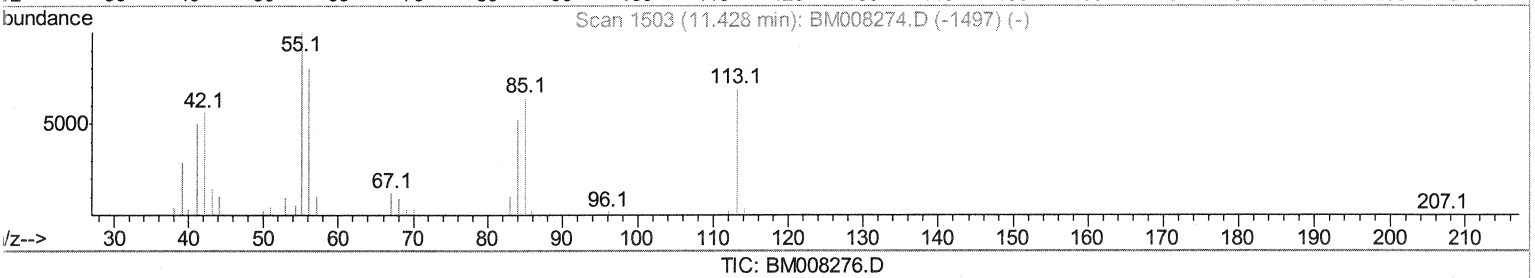
Quant Time: Dec 13 17:46:54 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1213
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:15:54 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD08039

Manual Integrations APPROVED
sohil
12/14/2016 6:14:29 PM







TIC: BM008276.D

(32) Caprolactam

11.439min (+0.012) 35.49ng/ul

response 97967

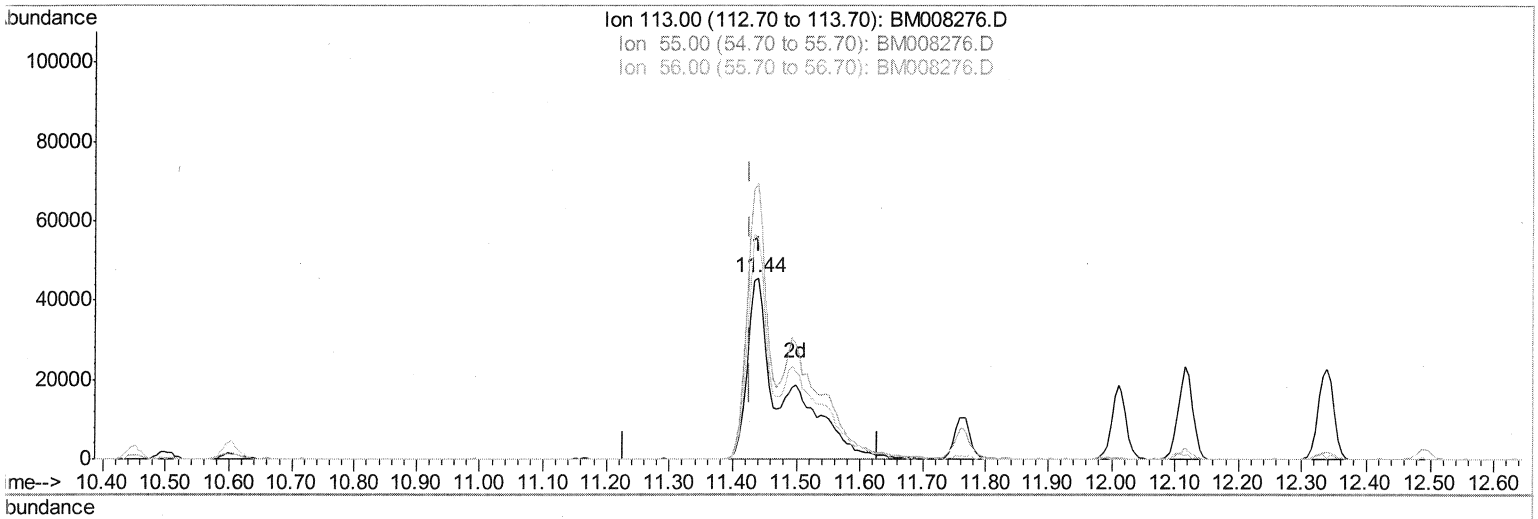
Ion	Exp%	Act%
113.00	100	100
55.00	127.40	152.74
56.00	101.50	122.04#
0.00	0.00	0.00

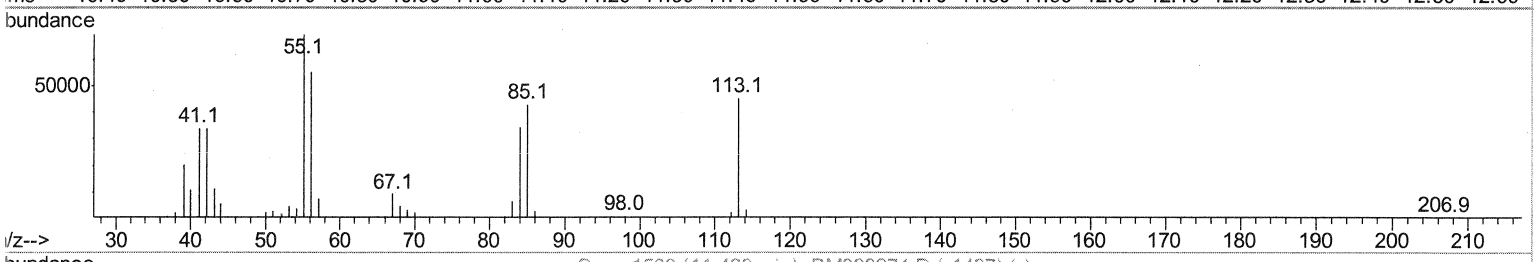
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
Data File : BM008276.D
Acq On : 13 Dec 2016 17:12
Operator : UM/SJ
Sample : SSTD08039
Misc :
ALS Vial : 6 Sample Multiplier: 1

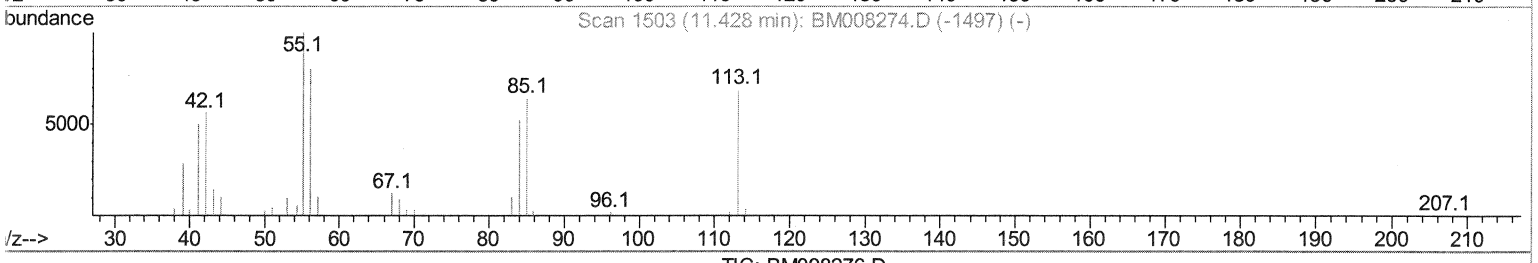
Quant Time: Dec 13 17:46:54 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1213
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:15:54 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD08039

Manual Integrations APPROVED
sohil
12/14/2016 6:14:29 PM







TIC: BM008276.D

(32) Caprolactam

11.439min (+0.012) 66.49ng/ul m SJ 12/14/16

response 183550

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	152.74
56.00	101.50	122.04#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
Data File : BM008276.D
Acq On : 13 Dec 2016 17:12
Operator : UM/SJ
Sample : SSTD08039
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD08039

Manual Integrations APPROVED
sohil
12/14/2016 6:14:29 PM

Quant Time: Dec 13 17:48:57 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12131
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:15:54 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	122275	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	480234	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	326998	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	646399	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	842254	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	839931	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	84904	28.09	ng/uL	0.00
5) Phenol-d5	6.86	99	780711	71.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	440757	74.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	607736	73.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	610558	66.91	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	293602	86.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	340837	89.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	616696	87.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	655364	77.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1736909	67.33	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	2123406	68.80	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	289649	56.79	ng/ul	0.00
57) Fluorene-d10	15.32	176	1509105	67.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	339040	87.54	ng/ul	0.00
70) Anthracene-d10	17.17	188	2346889	81.14	ng/ul	0.00
78) Pyrene-d10	19.47	212	2695503	73.72	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.36	264	2930162	78.74	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.27	88	95314	25.91	ng/uL	92
4) Benzaldehyde	6.83	77	506269	99.95	ng/ul	92
6) Phenol	6.89	94	811843	71.54	ng/ul	95
8) Bis(2-Chloroethyl)ether	7.12	93	596928	69.42	ng/ul	95
10) 2-Chlorophenol	7.25	128	616539	71.00	ng/ul#	92
11) 2-Methylphenol	8.12	108	592432	66.16	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.21	45	669875	63.88	ng/ul	97
14) Acetophenone	8.50	105	977360	70.82	ng/ul	94
15) N-Nitroso-di-n-propylamine	8.49	70	501765	71.84	ng/ul	94
16) 4-Methylphenol	8.46	108	635809	63.73	ng/ul	98
17) Hexachloroethane	8.73	117	266387	80.01	ng/ul#	81
20) Nitrobenzene	8.88	77	748980	91.61	ng/ul	92
21) Isophorone	9.40	82	1335874	82.10	ng/ul	97
23) 2-Nitrophenol	9.58	139	348720	84.39	ng/ul#	85
24) 2,4-Dimethylphenol	9.65	107	732079	83.82	ng/ul	94
25) Bis(2-Chloroethoxy)methane	9.87	93	763234	75.27	ng/ul	99
27) 2,4-Dichlorophenol	10.11	162	609116	83.49	ng/ul	98
28) Naphthalene	10.50	128	1848960	76.15	ng/ul	100
30) 4-Chloroaniline	10.63	127	664382	74.69	ng/ul	99
31) Hexachlorobutadiene	10.77	225	470188	105.98	ng/ul	97
32) Caprolactam	11.44	113	183550m	66.49	ng/ul	
33) 4-Chloro-3-methylphenol	11.76	107	660504	78.94	ng/ul	93
34) 2-Methylnaphthalene	12.12	142	1356009	74.95	ng/ul	99

SJ 12/14/16

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
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12/14/2016 6:14:29 PM

Quant Time: Dec 13 17:48:57 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121316
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:15:54 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.49	216	830024	82.01 ng/ul	97
37) Hexachlorocyclopentadiene	12.46	237	385062	63.99 ng/ul	98
38) 2,4,6-Trichlorophenol	12.75	196	499766	74.82 ng/ul	99
39) 2,4,5-Trichlorophenol	12.82	196	531959	72.43 ng/ul	98
40) 1,1'-Biphenyl	13.14	154	1762784	66.39 ng/ul	99
41) 2-Chloronaphthalene	13.19	162	1345734	67.30 ng/ul	98
42) 2-Nitroaniline	13.41	65	433414	75.26 ng/ul#	83
44) Dimethylphthalate	13.78	163	1705920	64.92 ng/ul	98
45) 2,6-Dinitrotoluene	13.92	165	363337	71.08 ng/ul	92
47) Acenaphthylene	14.04	152	2142164	65.21 ng/ul	99
48) 3-Nitroaniline	14.25	138	331946	63.52 ng/ul	88
49) Acenaphthene	14.38	153	1454821	66.12 ng/ul	99
50) 2,4-Dinitrophenol	14.47	184	226540	66.77 ng/ul	97
52) 4-Nitrophenol	14.57	109	278479	66.63 ng/ul	89
53) Dibenzofuran	14.72	168	2086615	65.34 ng/ul	97
54) 2,4-Dinitrotoluene	14.72	165	536423	69.72 ng/ul#	62
55) 2,3,4,6-Tetrachlorophenol	14.95	232	501235	76.80 ng/ul	91
56) Diethylphthalate	15.15	149	1715340	64.47 ng/ul	97
58) Fluorene	15.37	166	1722737	67.71 ng/ul	99
59) 4-Chlorophenyl-phenylether	15.36	204	917959	74.13 ng/ul	91
60) 4-Nitroaniline	15.42	138	320799	52.35 ng/ul#	82
63) 4,6-Dinitro-2-methylphenol	15.48	198	344011	82.86 ng/ul	94
64) N-Nitrosodiphenylamine	15.59	169	1475652	78.72 ng/ul	99
65) 4-Bromophenyl-phenylether	16.26	248	595906	92.44 ng/ul	90
66) Hexachlorobenzene	16.37	284	664671	90.56 ng/ul#	92
67) Atrazine	16.54	200	603643	87.81 ng/ul	96
68) Pentachlorophenol	16.73	266	381922	83.69 ng/ul	100
69) Phenanthrene	17.11	178	2711032	76.06 ng/ul	100
71) Anthracene	17.20	178	2781999	77.85 ng/ul	99
72) 1,2,3,4-Tetrachlorobenzene	13.10	216	783878	93.32 ng/uL	100
73) Pentachlorobenzene	14.64	250	803917	95.78 ng/uL	100
74) Carbazole	17.49	167	2422872	75.98 ng/ul	99
75) Di-n-butylphthalate	18.03	149	2890971	76.34 ng/ul	99
76) Fluoranthene	19.13	202	3269275	82.55 ng/ul	96
79) Pyrene	19.50	202	3410124	70.75 ng/ul	96
80) Butylbenzylphthalate	20.40	149	1327645	64.94 ng/ul	92
81) 3,3'-Dichlorobenzidine	21.19	252	1205889	73.48 ng/ul#	97
82) Benzo(a)anthracene	21.25	228	3540741	73.32 ng/ul	100
83) Bis(2-ethylhexyl)phthalate	21.17	149	1955915	66.96 ng/ul#	96
84) Chrysene	21.30	228	3345597	73.02 ng/ul	100
86) Di-n-octyl phthalate	22.04	149	3439771	69.18 ng/ul	98
87) Benzo(b)fluoranthene	22.83	252	3711955	77.11 ng/ul#	97
88) Benzo(k)fluoranthene	22.87	252	3590137	77.76 ng/ul#	97
90) Benzo(a)pyrene	23.40	252	3617411	77.49 ng/ul#	96
91) Indeno(1,2,3-cd)pyrene	25.75	276	4427508	79.52 ng/ul#	90
92) Dibenzo(a,h)anthracene	25.75	278	3713598	80.24 ng/ul#	94
93) Benzo(g,h,i)perylene	26.43	276	3640943	76.14 ng/ul#	90

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