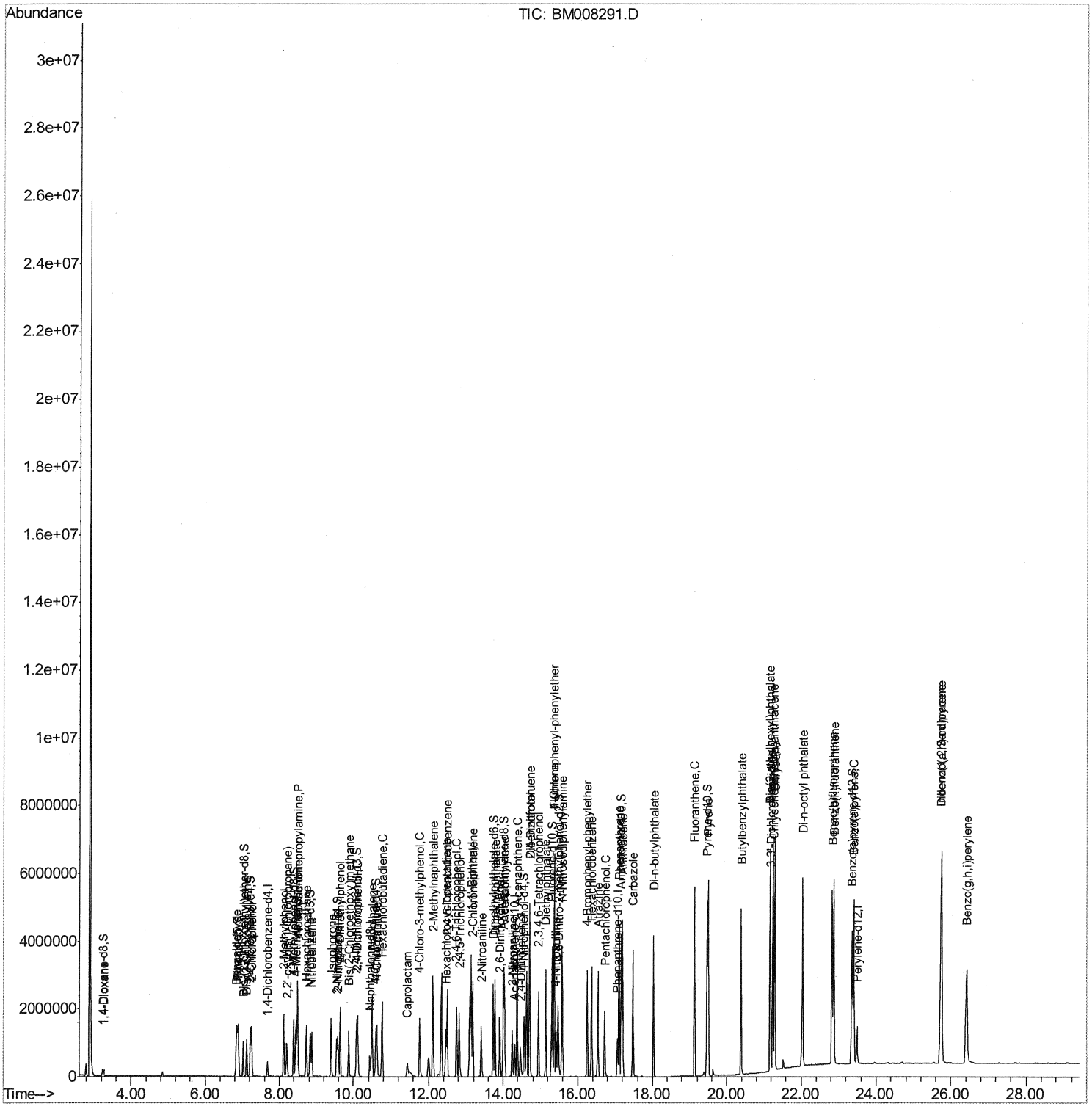
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008291.D
Acq On : 14 Dec 2016 02:59
Operator : UM/SJ
Sample : SSTD08047
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 05:08:10 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1214
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 04:50:38 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD08047

Manual Integrations APPROVED
Sohil
12/14/2016 6:57:53 PM

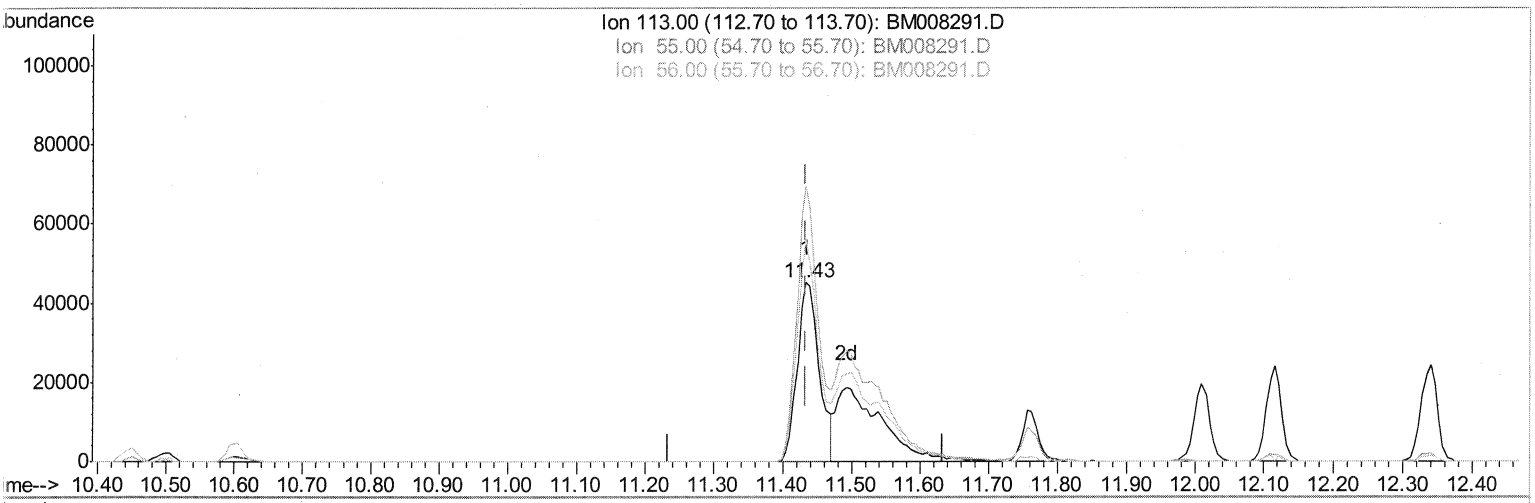


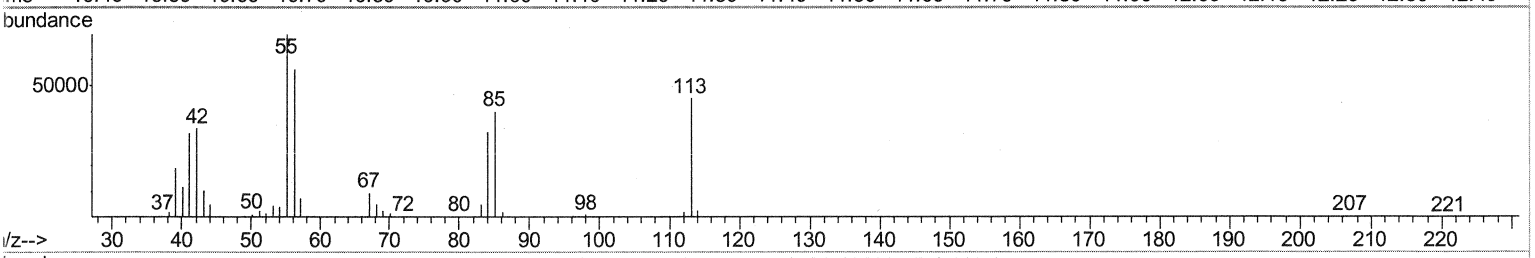
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008291.D
Acq On : 14 Dec 2016 02:59
Operator : UM/SJ
Sample : SSTD08047
Misc :
ALS Vial : 6 Sample Multiplier: 1

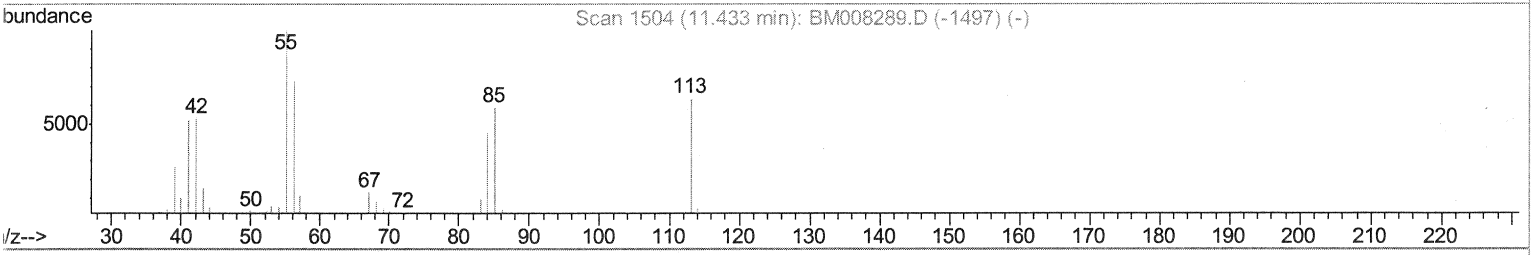
Quant Time: Dec 14 04:55:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1214
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 04:50:38 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD08047

Manual Integrations APPROVED
Sohil
12/14/2016 6:57:53 PM







TIC: BM008291.D

(32) Caprolactam

11.433min (-0.000) 43.88ng/ul

response 98775

Ion	Exp%	Act%
113.00	100	100
55.00	157.60	153.88
56.00	114.10	124.70
0.00	0.00	0.00

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Quant Time: Dec 14 04:55:49 2016
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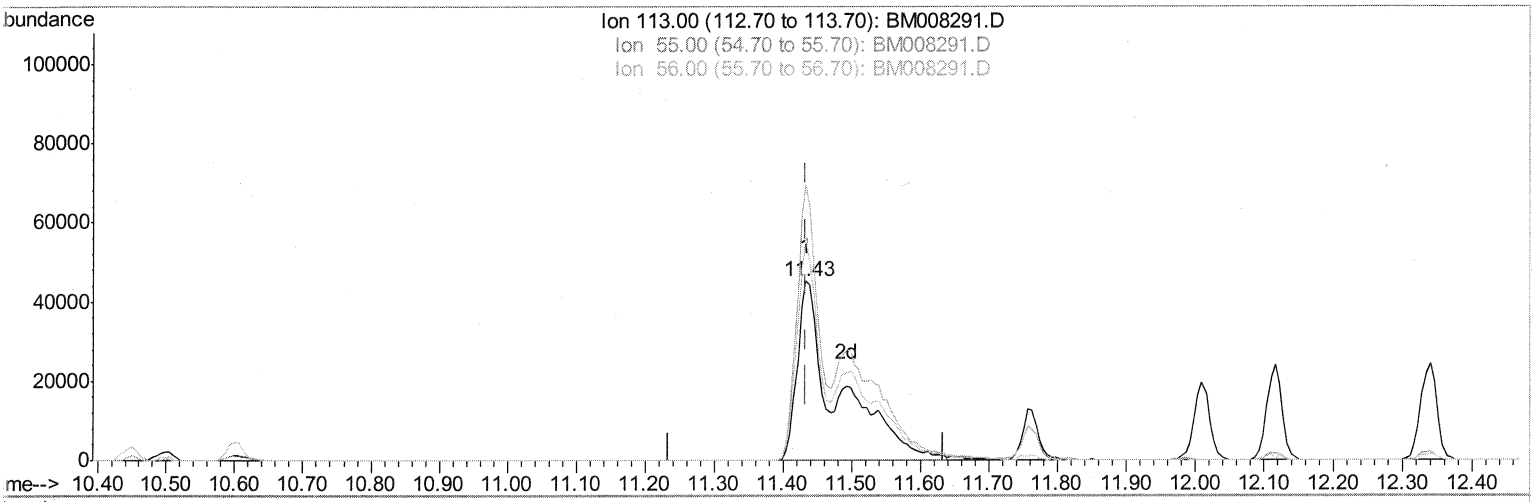
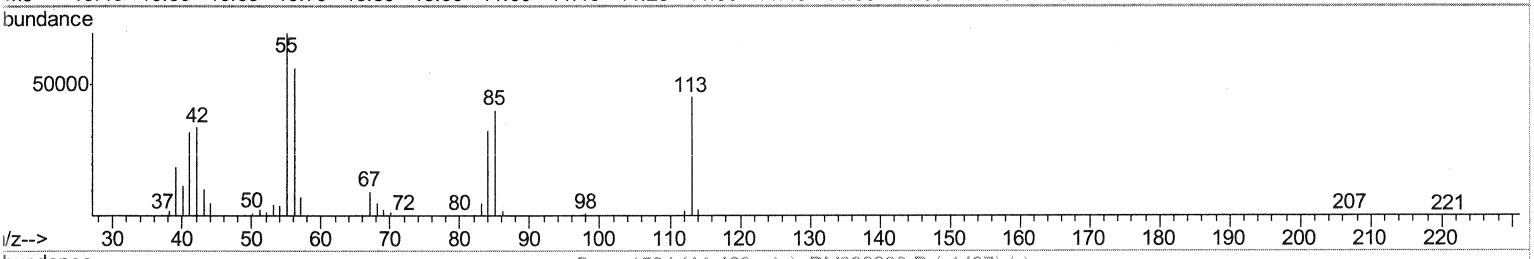
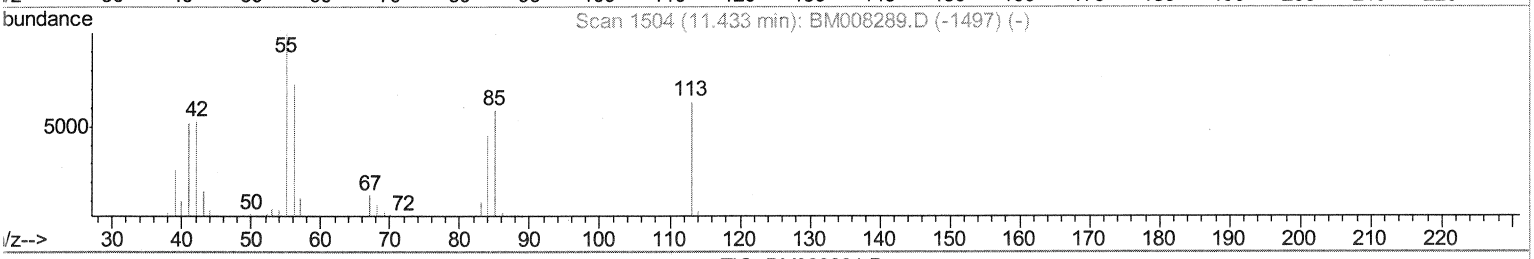
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 04:50:38 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD08047

Manual Integrations APPROVED
Sohil
12/14/2016 6:57:53 PM







TIC: BM008291.D

(32) Caprolactam

11.433min (-0.000) 82.20ng/ul m SJ 12/14/16

response 185033

Ion	Exp%	Act%
113.00	100	100
55.00	157.60	153.88
56.00	114.10	124.70
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008291.D
Acq On : 14 Dec 2016 02:59
Operator : UM/SJ
Sample : SSTD08047
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 14 05:08:10 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 04:50:38 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD08047

Manual Integrations APPROVED
Sohil
12/14/2016 6:57:53 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	123647	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	489267	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.31	164	325428	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	651372	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	855035	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	854950	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	86476	32.89	ng/uL	0.00
5) Phenol-d5	6.86	99	790288	83.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	451601	81.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	613314	85.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	606331	81.58	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	296756	84.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	342326	87.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	621565	85.30	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	655397	79.49	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1756023	81.26	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	2130459	83.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	285674	88.50	ng/ul	0.00
57) Fluorene-d10	15.32	176	1522330	81.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	340490	88.97	ng/ul	0.00
70) Anthracene-d10	17.17	188	2388153	83.93	ng/ul	0.00
76) Pyrene-d10	19.47	212	2732918	82.08	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	2973715	83.06	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.27	88	94511	30.09	ng/uL	98
4) Benzaldehyde	6.83	77	511746	80.32	ng/ul	95
6) Phenol	6.89	94	816975	82.59	ng/ul	98
8) Bis(2-Chloroethyl)ether	7.11	93	605365	81.27	ng/ul	98
10) 2-Chlorophenol	7.25	128	613045	84.54	ng/ul	98
11) 2-Methylphenol	8.12	108	594018	82.06	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.20	45	678484	80.02	ng/ul	100
14) Acetophenone	8.50	105	978870	81.17	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.49	70	508728	82.19	ng/ul	99
16) 4-Methylphenol	8.46	108	644182	82.45	ng/ul	100
17) Hexachloroethane	8.73	117	270092	80.98	ng/ul	94
20) Nitrobenzene	8.87	77	754853	82.25	ng/ul	100
21) Isophorone	9.40	82	1354172	82.38	ng/ul	99
23) 2-Nitrophenol	9.58	139	347843	86.45	ng/ul	94
24) 2,4-Dimethylphenol	9.64	107	743782	82.67	ng/ul	97
25) Bis(2-Chloroethoxy)methane	9.87	93	767713	80.56	ng/ul	98
27) 2,4-Dichlorophenol	10.11	162	608008	83.36	ng/ul	97
28) Naphthalene	10.50	128	1885064	81.18	ng/ul	100
30) 4-Chloroaniline	10.63	127	663149	79.65	ng/ul	97
31) Hexachlorobutadiene	10.77	225	472577	80.58	ng/ul	98
32) Caprolactam	11.43	113	185033m	82.20	ng/ul	
33) 4-Chloro-3-methylphenol	11.76	107	663624	84.24	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	1362591	81.39	ng/ul	100

SJ 12/14/16

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Quant Time: Dec 14 05:08:10 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12141
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 04:50:38 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD08047

Manual Integrations APPROVED
Sohil
12/14/2016 6:57:53 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.49	216	834323	81.77	ng/ul	99
37) Hexachlorocyclopentadiene	12.46	237	401018	101.84	ng/ul	98
38) 2,4,6-Trichlorophenol	12.74	196	498411	84.92	ng/ul	99
39) 2,4,5-Trichlorophenol	12.82	196	530440	85.11	ng/ul	99
40) 1,1'-Biphenyl	13.14	154	1771644	82.07	ng/ul	99
41) 2-Chloronaphthalene	13.18	162	1361842	81.83	ng/ul	98
42) 2-Nitroaniline	13.41	65	428469	85.79	ng/ul	96
44) Dimethylphthalate	13.78	163	1721821	81.54	ng/ul	99
45) 2,6-Dinitrotoluene	13.92	165	365546	88.61	ng/ul	94
47) Acenaphthylene	14.03	152	2153404	82.46	ng/ul	98
48) 3-Nitroaniline	14.24	138	333606	82.47	ng/ul	100
49) Acenaphthene	14.38	153	1466372	81.78	ng/ul	98
50) 2,4-Dinitrophenol	14.47	184	225047	94.70	ng/ul	95
52) 4-Nitrophenol	14.57	109	272621	84.57	ng/ul	97
53) Dibenzofuran	14.72	168	2105356	81.01	ng/ul	100
54) 2,4-Dinitrotoluene	14.72	165	535768	86.73	ng/ul	88
55) 2,3,4,6-Tetrachlorophenol	14.95	232	502607	84.89	ng/ul	96
56) Diethylphthalate	15.15	149	1719270	81.19	ng/ul	99
58) Fluorene	15.37	166	1728429	81.32	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.36	204	928027	81.48	ng/ul	99
60) 4-Nitroaniline	15.42	138	327731	86.36	ng/ul	93
63) 4,6-Dinitro-2-methylphenol	15.48	198	349166	88.16	ng/ul#	97
64) N-Nitrosodiphenylamine	15.59	169	1486475	83.57	ng/ul	98
65) 4-Bromophenyl-phenylether	16.26	248	604811	83.48	ng/ul	99
66) Hexachlorobenzene	16.37	284	665599	82.24	ng/ul	99
67) Atrazine	16.54	200	600115	82.80	ng/ul	99
68) Pentachlorophenol	16.73	266	377326	85.38	ng/ul	99
69) Phenanthrene	17.11	178	2723200	81.37	ng/ul	99
71) Anthracene	17.20	178	2809420	82.96	ng/ul	99
72) Carbazole	17.48	167	2461697	82.78	ng/ul	99
73) Di-n-butylphthalate	18.03	149	2886621	84.92	ng/ul	99
74) Fluoranthene	19.13	202	3308739	81.09	ng/ul	98
77) Pyrene	19.50	202	3412216	80.50	ng/ul	99
78) Butylbenzylphthalate	20.40	149	1345297	86.25	ng/ul	98
79) 3,3'-Dichlorobenzidine	21.19	252	1238563	83.89	ng/ul	98
80) Benzo(a)anthracene	21.25	228	3582610	80.78	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.17	149	1962817	86.01	ng/ul	98
82) Chrysene	21.30	228	3394121	79.16	ng/ul	99
84) Di-n-octyl phthalate	22.04	149	3450415	83.12	ng/ul	98
85) Benzo(b)fluoranthene	22.83	252	3802273	83.09	ng/ul	99
86) Benzo(k)fluoranthene	22.87	252	3591423	81.14	ng/ul	99
88) Benzo(a)pyrene	23.40	252	3662103	82.43	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.74	276	4487988	82.97	ng/ul	98
90) Dibenzo(a,h)anthracene	25.74	278	3776884	82.94	ng/ul	100
91) Benzo(g,h,i)perylene	26.43	276	3701416	82.28	ng/ul	99

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