

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063025\
 Data File : BP025047.D
 Acq On : 30 Jun 2025 18:08
 Operator : RC/JU
 Sample : SSTD04007
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD040641

Quant Time: Jul 01 11:05:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP063025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 01 10:51:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/01/2025
 Supervised By :Jagrut Upadhyay 07/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.449	152	403641	20.000	ng/u1	0.00
20) Naphthalene-d8	10.196	136	1650647	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.095	164	1062695	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.907	188	2128857	20.000	ng/u1	0.00
79) Chrysene-d12	21.354	240	2184107	20.000	ng/u1	0.01
88) Perylene-d12	24.501	264	2355962	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.096	96	147995	16.411	ng/uL	0.00
4) Pyridine-d5	3.473	84	1046069	40.971	ng/u1	0.00
7) Phenol-d5	6.631	99	1279344	41.171	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.802	67	733026	40.980	ng/u1	0.00
11) 2-Chlorophenol-d4	6.990	132	1084353	43.126	ng/u1	0.00
15) 4-Methylphenol-d8	8.143	113	1047787	41.630	ng/u1	0.00
21) Nitrobenzene-d5	8.572	128	496979	44.851	ng/u1	0.00
24) 2-Nitrophenol-d4	9.284	143	458817	47.502	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.819	165	1081565	44.066	ng/u1	0.00
31) 4-Chloroaniline-d4	10.325	131	1554200	41.121	ng/u1	0.00
46) Dimethylphthalate-d6	13.519	166	3219485	42.173	ng/u1	0.00
49) Acenaphthylene-d8	13.778	160	3781929	42.306	ng/u1	0.00
54) 4-Nitrophenol-d4	14.307	143	604886	41.948	ng/u1	0.02
60) Fluorene-d10	15.113	176	2725021	41.579	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.243	200	373091	40.334	ng/u1	0.00
73) Anthracene-d10	17.025	188	4258165	41.605	ng/u1	0.00
81) Pyrene-d10	19.401	212	4787168	42.735	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.277	264	5182177	43.735	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.125	88	157131	16.137	ng/uL	97
5) Pyridine	3.490	79	1078777	40.780	ng/u1	99
6) Benzaldehyde	6.602	77	672978	44.686	ng/u1	100
8) Phenol	6.655	94	1313004	41.158	ng/u1	99
10) Bis(2-Chloroethyl)ether	6.884	93	1016522	41.362	ng/u1	100
12) 2-Chlorophenol	7.019	128	1095485	42.575	ng/u1	98
13) 2-Methylphenol	7.878	108	1008572	41.521	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	7.966	45	1423534	41.880	ng/u1	99
16) Acetophenone	8.249	105	1624665	41.196	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.249	70	784438	43.536	ng/u1	99
18) 4-Methylphenol	8.208	108	1093275	41.623	ng/u1	99
19) Hexachloroethane	8.508	117	418028	42.601	ng/u1	99
22) Nitrobenzene	8.613	77	1098575	42.795	ng/u1	99
23) Isophorone	9.143	82	2290257	43.245	ng/u1	99
25) 2-Nitrophenol	9.319	139	534457	47.283	ng/u1	99
26) 2,4-Dimethylphenol	9.384	107	1158502	42.545	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.631	93	1385614	42.295	ng/u1	99
29) 2,4-Dichlorophenol	9.843	162	1061904	43.313	ng/u1	100
30) Naphthalene	10.249	128	3544103	40.914	ng/u1	100
32) 4-Chloroaniline	10.349	127	1521777	41.017	ng/u1	100
33) Hexachlorobutadiene	10.549	225	676618	41.391	ng/u1	99
34) Caprolactam	11.102	113	358306m	41.268	ng/u1	
35) 4-Chloro-3-methylphenol	11.484	107	1072921	43.874	ng/u1	100
36) 2-Methylnaphthalene	11.866	142	2587397	41.922	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.096	142	2542555	41.926	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.243	216	1307102	41.666	ng/ul	98
40) Hexachlorocyclopentadiene	12.231	237	646382	42.107	ng/ul	96
41) 2,4,6-Trichlorophenol	12.490	196	847548	45.698	ng/ul	99
42) 2,4,5-Trichlorophenol	12.554	196	926125	44.882	ng/ul	100
43) 1,1'-Biphenyl	12.907	154	3234729	41.095	ng/ul	100
44) 2-Chloronaphthalene	12.937	162	2528826	41.317	ng/ul	99
45) 2-Nitroaniline	13.148	65	566560	48.991	ng/ul	90
47) Dimethylphthalate	13.566	163	3129876	41.544	ng/ul	99
48) 2,6-Dinitrotoluene	13.660	165	584242	49.529	ng/ul	99
50) Acenaphthylene	13.807	152	4221694	41.655	ng/ul	100
51) 3-Nitroaniline	13.990	138	594294	43.068	ng/ul	97
52) Acenaphthene	14.160	153	2704936	41.322	ng/ul	99
53) 2,4-Dinitrophenol	14.207	184	228919	38.896	ng/ul	97
55) 4-Nitrophenol	14.319	109	423724	41.446	ng/ul	98
56) Dibenzofuran	14.501	168	3785811	40.816	ng/ul	99
57) 2,4-Dinitrotoluene	14.466	165	849317	48.769	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.737	232	740529	44.408	ng/ul	98
59) Diethylphthalate	14.972	149	3173529	43.124	ng/ul	99
61) Fluorene	15.166	166	3070278	40.944	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.178	204	1515827	40.949	ng/ul	99
63) 4-Nitroaniline	15.184	138	601276	44.199	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.254	198	413097	41.029	ng/ul	96
67) N-Nitrosodiphenylamine	15.395	169	2620770	41.580	ng/ul	100
68) 4-Bromophenyl-phenylether	16.095	248	948977	42.499	ng/ul	98
69) Hexachlorobenzene	16.195	284	1156845	41.301	ng/ul	95
70) Atrazine	16.395	200	974194	42.066	ng/ul	99
71) Pentachlorophenol	16.554	266	711469	42.021	ng/ul	99
72) Phenanthrene	16.954	178	4819018	40.664	ng/ul	100
74) Anthracene	17.066	178	4904410	41.297	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.866	216	1335318	41.935	ng/uL	99
76) Pentachlorobenzene	14.425	250	1340247	41.613	ng/uL	100
77) Carbazole	17.331	167	4486960	42.144	ng/ul	100
78) Di-n-butylphthalate	17.972	149	5330333	45.390	ng/ul	100
80) Fluoranthene	19.060	202	5611372	43.125	ng/ul	99
82) Pyrene	19.436	202	5782836	41.870	ng/ul	98
83) Butylbenzylphthalate	20.442	149	2082340	51.913	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.260	252	1786319	44.752	ng/ul	100
85) Benzo(a)anthracene	21.336	228	5909301	42.074	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.342	149	3310820	49.178	ng/ul	100
87) Chrysene	21.395	228	5394218	41.199	ng/ul	99
89) Di-n-octyl phthalate	22.566	149	5504859	47.184	ng/ul	100
90) Benzo(b)fluoranthene	23.507	252	5937506	42.766	ng/ul	99
91) Benzo(k)fluoranthene	23.577	252	5903757	42.634	ng/ul	100
93) Benzo(a)pyrene	24.348	252	5608839	42.897	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.024	276	7219051m	43.531	ng/ul	
95) Dibenzo(a,h)anthracene	28.130	278	5843258	43.836	ng/ul	99
96) Benzo(g,h,i)perylene	29.118	276	5819071	42.685	ng/ul	99

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

