

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022625\
 Data File : BP024114.D
 Acq On : 26 Feb 2025 14:32
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020663

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 02/26/2025
 Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 26 14:57:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012925.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 26 14:08:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	477927	20.000	ng/u1	-0.03
20) Naphthalene-d8	10.522	136	2088592	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.392	164	1278657	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.204	188	2266564	20.000	ng/u1	0.00
79) Chrysene-d12	21.663	240	1915138	20.000	ng/u1	# 0.02
88) Perylene-d12	25.051	264	1858843	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	97962	8.516	ng/uL	-0.02
4) Pyridine-d5	3.664	84	739336	22.275	ng/u1	-0.02
7) Phenol-d5	6.905	99	886435	20.958	ng/u1	-0.03
9) Bis-(2-Chloroethyl)eth...	7.063	67	560548	25.039	ng/u1	-0.03
11) 2-Chlorophenol-d4	7.269	132	696391	20.967	ng/u1	-0.03
15) 4-Methylphenol-d8	8.440	113	718035	20.782	ng/u1	-0.02
21) Nitrobenzene-d5	8.875	128	357173	21.375	ng/u1	-0.03
24) 2-Nitrophenol-d4	9.604	143	354516	19.662	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.140	165	671990	20.316	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.657	131	1026438	20.750	ng/u1	0.00
46) Dimethylphthalate-d6	13.792	166	1926608	20.200	ng/u1	0.00
49) Acenaphthylene-d8	14.075	160	2318724	21.556	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.616	143	336096	17.744	ng/u1	0.01
60) Fluorene-d10	15.404	176	1660820	20.678	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.522	200	261189	18.679	ng/u1	0.00
73) Anthracene-d10	17.310	188	2421503	21.759	ng/u1	0.01
81) Pyrene-d10	19.686	212	2435449	23.734	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.821	264	2064404	21.286	ng/u1	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.293	88	105127	8.691	ng/uL	98
5) Pyridine	3.681	79	754862	22.716	ng/u1	97
6) Benzaldehyde	6.875	77	588910	28.370	ng/u1	95
8) Phenol	6.934	94	946416	21.792	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.157	93	771715	23.343	ng/u1	96
12) 2-Chlorophenol	7.299	128	738671	21.588	ng/u1	96
13) 2-Methylphenol	8.169	108	686113	20.996	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.246	45	870285	25.516	ng/u1	99
16) Acetophenone	8.540	105	1197632	22.675	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.528	70	592443	23.820	ng/u1	97
18) 4-Methylphenol	8.499	108	777165	21.436	ng/u1	99
19) Hexachloroethane	8.804	117	302274	22.341	ng/u1	92
22) Nitrobenzene	8.922	77	862666	23.789	ng/u1	94
23) Isophorone	9.446	82	1582460	21.612	ng/u1	96
25) 2-Nitrophenol	9.634	139	407696	20.730	ng/u1	96
26) 2,4-Dimethylphenol	9.699	107	789473	21.689	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.934	93	1032571	22.640	ng/u1	99
29) 2,4-Dichlorophenol	10.163	162	686027	20.452	ng/u1	97
30) Naphthalene	10.569	128	2448247	21.899	ng/u1	100
32) 4-Chloroaniline	10.681	127	999235	21.404	ng/u1	99
33) Hexachlorobutadiene	10.857	225	416914	20.531	ng/u1	100
34) Caprolactam	11.457	113	206017	15.853	ng/u1	93
35) 4-Chloro-3-methylphenol	11.816	107	712880	19.771	ng/u1	98
36) 2-Methylnaphthalene	12.187	142	1675738	21.318	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.410	142	1664996	21.351	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.563	216	822641	21.763	ng/ul	98
40) Hexachlorocyclopentadiene	12.545	237	460792	21.633	ng/ul	98
41) 2,4,6-Trichlorophenol	12.804	196	504278	19.972	ng/ul	98
42) 2,4,5-Trichlorophenol	12.887	196	548471	20.153	ng/ul	99
43) 1,1'-Biphenyl	13.216	154	2123818	22.376	ng/ul	99
44) 2-Chloronaphthalene	13.257	162	1626548	21.994	ng/ul	99
45) 2-Nitroaniline	13.463	65	415936	21.609	ng/ul	91
47) Dimethylphthalate	13.845	163	1919899	20.232	ng/ul	100
48) 2,6-Dinitrotoluene	13.969	165	374119	20.173	ng/ul	95
50) Acenaphthylene	14.110	152	2530402	22.089	ng/ul	100
51) 3-Nitroaniline	14.304	138	403193	19.783	ng/ul	91
52) Acenaphthene	14.457	153	1790545	22.046	ng/ul	99
53) 2,4-Dinitrophenol	14.498	184	177257	16.032	ng/ul	98
55) 4-Nitrophenol	14.628	109	247683	18.484	ng/ul	93
56) Dibenzofuran	14.798	168	2384995	21.192	ng/ul	100
57) 2,4-Dinitrotoluene	14.763	165	536158	19.437	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.034	232	429905	18.563	ng/ul	91
59) Diethylphthalate	15.245	149	1886774	19.845	ng/ul	100
61) Fluorene	15.457	166	1931516	20.688	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.463	204	954325	20.649	ng/ul	97
63) 4-Nitroaniline	15.481	138	399952	20.170	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.534	198	292060	18.998	ng/ul	96
67) N-Nitrosodiphenylamine	15.686	169	1581187	22.858	ng/ul	100
68) 4-Bromophenyl-phenylether	16.375	248	555545	21.725	ng/ul	96
69) Hexachlorobenzene	16.492	284	648416	20.928	ng/ul	98
70) Atrazine	16.663	200	525796	19.628	ng/ul	97
71) Pentachlorophenol	16.851	266	349714	18.350	ng/ul	99
72) Phenanthrene	17.257	178	2816833	22.007	ng/ul	100
74) Anthracene	17.345	178	2846796	22.054	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.169	216	804965	24.253	ng/uL	99
76) Pentachlorobenzene	14.722	250	825531	23.080	ng/uL	99
77) Carbazole	17.628	167	2468854	21.832	ng/ul	100
78) Di-n-butylphthalate	18.222	149	2850086	20.363	ng/ul	100
80) Fluoranthene	19.333	202	2875572	24.328	ng/ul#	95
82) Pyrene	19.710	202	3095946	25.047	ng/ul#	94
83) Butylbenzylphthalate	20.669	149	1071507	20.130	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.568	252	744318	17.963	ng/ul	99
85) Benzo(a)anthracene	21.645	228	2769789	21.994	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.586	149	1590628	20.481	ng/ul	98
87) Chrysene	21.710	228	2550209	21.977	ng/ul	99
89) Di-n-octyl phthalate	22.886	149	2246132	20.158	ng/ul	100
90) Benzo(b)fluoranthene	23.980	252	2460471	21.815	ng/ul	99
91) Benzo(k)fluoranthene	24.051	252	2511648	22.213	ng/ul	99
93) Benzo(a)pyrene	24.898	252	2298191	21.819	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.898	276	2940039m	21.534	ng/ul	
95) Dibenzo(a,h)anthracene	28.980	278	2435504	21.990	ng/ul	98
96) Benzo(g,h,i)perylene	30.080	276	2271479	21.721	ng/ul	98

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

