

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012925\
 Data File : BP023788.D
 Acq On : 29 Jan 2025 16:00
 Operator : RC/JU
 Sample : SSTD08083
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD080620

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 01/31/2025

Quant Time: Jan 29 16:30:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012925.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 29 16:12:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	537781	20.000	ng/u1	0.00
20) Naphthalene-d8	10.563	136	2383630	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.416	164	1544944	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.222	188	2970128	20.000	ng/u1	0.01
79) Chrysene-d12	21.680	240	3074897	20.000	ng/u1	0.00
88) Perylene-d12	25.074	264	3311738	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	396244	29.612	ng/uL	0.00
4) Pyridine-d5	3.711	84	2964237	76.490	ng/u1	0.00
7) Phenol-d5	6.975	99	3903602	84.254	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.122	67	1988637	77.470	ng/u1	0.00
11) 2-Chlorophenol-d4	7.334	132	3094454	87.417	ng/u1	0.00
15) 4-Methylphenol-d8	8.505	113	3197287	86.706	ng/u1	0.00
21) Nitrobenzene-d5	8.934	128	1570327	85.885	ng/u1	0.00
24) 2-Nitrophenol-d4	9.652	143	1789423	101.843	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.199	165	3161594	89.092	ng/u1	0.00
31) 4-Chloroaniline-d4	10.704	131	4518470	80.472	ng/u1	0.00
46) Dimethylphthalate-d6	13.828	166	8703385	77.077	ng/u1	0.01
49) Acenaphthylene-d8	14.110	160	10186731	78.502	ng/u1	0.00
54) 4-Nitrophenol-d4	14.645	143	1832511	80.868	ng/u1	0.00
60) Fluorene-d10	15.428	176	7453384	77.264	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.551	200	1619798	103.543	ng/u1	0.01
73) Anthracene-d10	17.328	188	11198067	77.996	ng/u1	0.01
81) Pyrene-d10	19.692	212	12734240	79.524	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.862	264	14226085	84.628	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	411716	29.101	ng/uL	98
5) Pyridine	3.728	79	2994012	76.981	ng/u1	98
6) Benzaldehyde	6.934	77	1599966	68.558	ng/u1	98
8) Phenol	7.005	94	3959022	82.034	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.216	93	2961325	79.382	ng/u1	99
12) 2-Chlorophenol	7.363	128	3132079	84.050	ng/u1	99
13) 2-Methylphenol	8.234	108	3010185	85.211	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.305	45	3008133	77.977	ng/u1	98
16) Acetophenone	8.604	105	4798887	81.973	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.599	70	2248384	82.387	ng/u1	98
18) 4-Methylphenol	8.569	108	3349465	85.131	ng/u1	99
19) Hexachloroethane	8.863	117	1185006	78.358	ng/u1	95
22) Nitrobenzene	8.975	77	3247014	77.102	ng/u1	97
23) Isophorone	9.510	82	6624351	81.364	ng/u1	99
25) 2-Nitrophenol	9.687	139	1884681	93.668	ng/u1	98
26) 2,4-Dimethylphenol	9.752	107	3268581	80.421	ng/u1	100
27) Bis(2-Chloroethoxy)met...	9.975	93	4064207	77.718	ng/u1	99
29) 2,4-Dichlorophenol	10.228	162	3138364	85.737	ng/u1	98
30) Naphthalene	10.616	128	9768805	75.613	ng/u1	99
32) 4-Chloroaniline	10.728	127	4240620	79.358	ng/u1	99
33) Hexachlorobutadiene	10.910	225	1790159	78.839	ng/u1	99
34) Caprolactam	11.528	113	1182138m	85.996	ng/u1	
35) 4-Chloro-3-methylphenol	11.869	107	3359132	87.597	ng/u1	99
36) 2-Methylnaphthalene	12.228	142	7017521	79.630	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.445	142	6901114	78.442	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.598	216	3685768	79.960	ng/ul	99
40) Hexachlorocyclopentadiene	12.581	237	2131501	88.499	ng/ul	99
41) 2,4,6-Trichlorophenol	12.845	196	2558695	91.679	ng/ul	99
42) 2,4,5-Trichlorophenol	12.928	196	2772502	90.449	ng/ul	99
43) 1,1'-Biphenyl	13.245	154	8833165	75.681	ng/ul	99
44) 2-Chloronaphthalene	13.287	162	6935591	76.482	ng/ul	99
45) 2-Nitroaniline	13.487	65	1893690	86.044	ng/ul	99
47) Dimethylphthalate	13.875	163	8541128	75.683	ng/ul	99
48) 2,6-Dinitrotoluene	13.987	165	1894276	92.171	ng/ul	96
50) Acenaphthylene	14.140	152	10565522	75.330	ng/ul	98
51) 3-Nitroaniline	14.322	138	1907596	79.758	ng/ul	99
52) Acenaphthene	14.487	153	7495181	75.560	ng/ul	98
53) 2,4-Dinitrophenol	14.528	184	1181699	110.152	ng/ul	93
55) 4-Nitrophenol	14.663	109	1261757	76.727	ng/ul	96
56) Dibenzofuran	14.828	168	10142503	74.282	ng/ul	98
57) 2,4-Dinitrotoluene	14.787	165	2748595	89.504	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.057	232	2288225	89.755	ng/ul	99
59) Diethylphthalate	15.263	149	8379893	75.574	ng/ul	97
61) Fluorene	15.486	166	8245898	72.637	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.481	204	4122377	74.058	ng/ul	99
63) 4-Nitroaniline	15.504	138	1742120	73.057	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.563	198	1739427	99.120	ng/ul#	95
67) N-Nitrosodiphenylamine	15.698	169	7206774	80.282	ng/ul	99
68) 4-Bromophenyl-phenylether	16.392	248	2778699	86.042	ng/ul	96
69) Hexachlorobenzene	16.510	284	3307440	84.196	ng/ul	100
70) Atrazine	16.675	200	2828263	84.470	ng/ul	99
71) Pentachlorophenol	16.869	266	2164607	90.695	ng/ul	99
72) Phenanthrene	17.269	178	12605219	74.860	ng/ul	96
74) Anthracene	17.357	178	12491106m	74.957	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.210	216	3688899	84.765	ng/ul	99
76) Pentachlorobenzene	14.745	250	3906123	84.192	ng/ul	99
77) Carbazole	17.639	167	12134406	82.417	ng/ul	98
78) Di-n-butylphthalate	18.222	149	12568684	74.367	ng/ul#	92
80) Fluoranthene	19.345	202	14151482	77.854	ng/ul	96
82) Pyrene	19.722	202	13333601	67.725	ng/ul#	86
83) Butylbenzylphthalate	20.680	149	6674123	91.213	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.574	252	5302904	92.341	ng/ul	99
85) Benzo(a)anthracene	21.657	228	15413062	78.523	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.598	149	9475446	88.316	ng/ul#	96
87) Chrysene	21.727	228	13986093	76.284	ng/ul	95
89) Di-n-octyl phthalate	22.916	149	16154934	92.003	ng/ul	100
90) Benzo(b)fluoranthene	24.010	252	16027805	80.748	ng/ul	99
91) Benzo(k)fluoranthene	24.080	252	16029933	79.035	ng/ul	99
93) Benzo(a)pyrene	24.933	252	15173555	81.203	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.980	276	20074635m	85.745	ng/ul	
95) Dibenzo(a,h)anthracene	29.068	278	16200453	85.206	ng/ul	98
96) Benzo(g,h,i)perylene	30.197	276	15219065m	84.351	ng/ul	

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

