

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021425\
 Data File : BG064028.D
 Acq On : 14 Feb 2025 11:21
 Operator : RC/JU
 Sample : SSTD08005
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD080402

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 02/18/2025
 Supervised By :Jagrut Upadhyay 02/19/2025

Quant Time: Feb 18 15:00:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG021425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 14 12:34:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	35048	20.000	ng/u1	# 0.00
20) Naphthalene-d8	10.654	136	173124	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.491	164	142608	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.235	188	346124	20.000	ng/u1	0.00
79) Chrysene-d12	21.471	240	281873	20.000	ng/u1	0.00
88) Perylene-d12	24.491	264	304519	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	28819	28.304	ng/uL	0.00
4) Pyridine-d5	3.739	84	223832	77.359	ng/u1	0.00
7) Phenol-d5	7.029	99	261812	82.662	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.200	67	167085	78.704	ng/u1	0.00
11) 2-Chlorophenol-d4	7.399	132	191632	85.639	ng/u1	0.00
15) 4-Methylphenol-d8	8.569	113	226852	84.116	ng/u1	0.00
21) Nitrobenzene-d5	9.021	128	96104	94.239	ng/u1	0.00
24) 2-Nitrophenol-d4	9.738	143	91073	106.167	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.273	165	221604	89.268	ng/u1	0.00
31) 4-Chloroaniline-d4	10.784	131	341395	83.605	ng/u1	0.00
46) Dimethylphthalate-d6	13.909	166	903789	84.119	ng/u1	0.00
49) Acenaphthylene-d8	14.186	160	958875	76.625	ng/u1	0.00
54) 4-Nitrophenol-d4	14.697	143	159094	94.100	ng/u1	0.02
60) Fluorene-d10	15.490	176	762699	78.221	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.607	200	116776	94.512	ng/u1	0.01
73) Anthracene-d10	17.335	188	1277474	75.411	ng/u1	0.00
81) Pyrene-d10	19.620	212	1273431	85.826	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.291	264	1236381	80.172	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.375	88	29963	26.543	ng/uL#	81
5) Pyridine	3.757	79	227814	76.435	ng/u1	93
6) Benzaldehyde	7.006	77	130118	69.607	ng/u1	99
8) Phenol	7.059	94	273566	80.660	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.294	93	208491	78.490	ng/u1	97
12) 2-Chlorophenol	7.429	128	198814	83.724	ng/u1	96
13) 2-Methylphenol	8.304	108	211280	82.052	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.386	45	504509	79.121	ng/u1#	98
16) Acetophenone	8.686	105	371607	81.779	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.686	70	203646	87.339	ng/u1	97
18) 4-Methylphenol	8.639	108	236976	83.000	ng/u1	95
19) Hexachloroethane	8.945	117	79360	80.532	ng/u1	93
22) Nitrobenzene	9.062	77	275903	88.845	ng/u1	95
23) Isophorone	9.591	82	594010	84.109	ng/u1	97
25) 2-Nitrophenol	9.773	139	101649	106.894	ng/u1	93
26) 2,4-Dimethylphenol	9.832	107	251003	81.830	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.073	93	323170	78.993	ng/u1	99
29) 2,4-Dichlorophenol	10.302	162	205081	87.515	ng/u1	93
30) Naphthalene	10.707	128	724482	75.726	ng/u1	95
32) 4-Chloroaniline	10.813	127	334980	84.188	ng/u1	98
33) Hexachlorobutadiene	11.001	225	146772	75.636	ng/u1	97
34) Caprolactam	11.589	113	107109m	97.725	ng/u1	
35) 4-Chloro-3-methylphenol	11.941	107	287585	92.949	ng/u1	98
36) 2-Methylnaphthalene	12.317	142	565671	82.178	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.535	142	566292	80.918	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.681	216	307503	70.757	ng/ul	93
40) Hexachlorocyclopentadiene	12.670	237	133362	76.629	ng/ul	91
41) 2,4,6-Trichlorophenol	12.922	196	201636	87.983	ng/ul#	97
42) 2,4,5-Trichlorophenol	12.993	196	227124	88.439	ng/ul	99
43) 1,1'-Biphenyl	13.328	154	791000	71.208	ng/ul	99
44) 2-Chloronaphthalene	13.369	162	604858	73.018	ng/ul	96
45) 2-Nitroaniline	13.569	65	228457	105.074	ng/ul	97
47) Dimethylphthalate	13.956	163	862567	82.042	ng/ul	100
48) 2,6-Dinitrotoluene	14.068	165	166459	105.526	ng/ul	96
50) Acenaphthylene	14.215	152	957382	74.081	ng/ul	99
51) 3-Nitroaniline	14.397	138	159387	90.186	ng/ul	96
52) Acenaphthene	14.556	153	710024	74.623	ng/ul	98
53) 2,4-Dinitrophenol	14.597	184	73962	101.619	ng/ul#	84
55) 4-Nitrophenol	14.708	109	155533	92.183	ng/ul	92
56) Dibenzofuran	14.897	168	1004758	75.517	ng/ul	99
57) 2,4-Dinitrotoluene	14.855	165	260035	112.249	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.120	232	211920	97.499	ng/ul	98
59) Diethylphthalate	15.331	149	949992	88.235	ng/ul	99
61) Fluorene	15.543	166	822325	76.449	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.537	204	401790	74.582	ng/ul	95
63) 4-Nitroaniline	15.566	138	167305	89.696	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.625	198	133229	95.702	ng/ul#	91
67) N-Nitrosodiphenylamine	15.754	169	745650	76.761	ng/ul	96
68) 4-Bromophenyl-phenylether	16.430	248	283934	77.705	ng/ul	95
69) Hexachlorobenzene	16.547	284	316648	76.201	ng/ul	100
70) Atrazine	16.706	200	288733	74.484	ng/ul	98
71) Pentachlorophenol	16.882	266	189986	91.991	ng/ul	95
72) Phenanthrene	17.276	178	1419866	73.745	ng/ul	98
74) Anthracene	17.370	178	1455917	74.470	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.293	216	319612	69.260	ng/ul	96
76) Pentachlorobenzene	14.814	250	363947	73.171	ng/ul	98
77) Carbazole	17.634	167	1238327	74.449	ng/ul	99
78) Di-n-butylphthalate	18.210	149	1441070	76.379	ng/ul	99
80) Fluoranthene	19.285	202	1475682	88.020	ng/ul	98
82) Pyrene	19.650	202	1539895	83.660	ng/ul	99
83) Butylbenzylphthalate	20.549	149	501130	97.251	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.371	252	413212	78.159	ng/ul	99
85) Benzo(a)anthracene	21.448	228	1456653	77.683	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.389	149	789935	93.276	ng/ul	95
87) Chrysene	21.512	228	1391385	74.890	ng/ul	99
89) Di-n-octyl phthalate	22.540	149	1356942	87.302	ng/ul	100
90) Benzo(b)fluoranthene	23.545	252	1435561	79.795	ng/ul	99
91) Benzo(k)fluoranthene	23.610	252	1461861	77.021	ng/ul	97
93) Benzo(a)pyrene	24.362	252	1379330	79.817	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.922	276	1707461	82.018	ng/ul	96
95) Dibenzo(a,h)anthracene	27.975	278	1385406	82.182	ng/ul	96
96) Benzo(g,h,i)perylene	28.986	276	1335450	81.298	ng/ul	94

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

