

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031425\
 Data File : BG064107.D
 Acq On : 14 Mar 2025 12:34
 Operator : RC/JU
 Sample : SSTD04010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD040408

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 03/14/2025
 Supervised By :Jagrut Upadhyay 03/17/2025

Quant Time: Mar 14 13:44:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG031425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 14 13:20:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	37567	20.000	ng/u1	0.00
20) Naphthalene-d8	10.650	136	169839	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.487	164	120242	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.225	188	258857	20.000	ng/u1	0.00
79) Chrysene-d12	21.455	240	252678	20.000	ng/u1	0.00
88) Perylene-d12	24.464	264	264383	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	14088	13.220	ng/uL	0.00
4) Pyridine-d5	3.741	84	109107	35.787	ng/u1	0.00
7) Phenol-d5	7.025	99	134482	38.525	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.196	67	87229	38.378	ng/u1	0.00
11) 2-Chlorophenol-d4	7.395	132	105847	42.162	ng/u1	0.00
15) 4-Methylphenol-d8	8.565	113	114114	38.112	ng/u1	0.00
21) Nitrobenzene-d5	9.011	128	52024	49.098	ng/u1	0.00
24) 2-Nitrophenol-d4	9.734	143	58269	60.054	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.269	165	110767	44.126	ng/u1	0.00
31) 4-Chloroaniline-d4	10.780	131	153852	38.504	ng/u1	0.00
46) Dimethylphthalate-d6	13.900	166	375769	41.403	ng/u1	0.00
49) Acenaphthylene-d8	14.182	160	415725	39.574	ng/u1	0.00
54) 4-Nitrophenol-d4	14.681	143	64802	43.484	ng/u1	0.00
60) Fluorene-d10	15.480	176	323036	39.533	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.592	200	58197	55.386	ng/u1	0.00
73) Anthracene-d10	17.325	188	516900	40.570	ng/u1	0.00
81) Pyrene-d10	19.610	212	569541	42.408	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.270	264	565851	42.177	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.377	88	16309	13.803	ng/uL	92
5) Pyridine	3.758	79	113065	35.818	ng/u1	97
6) Benzaldehyde	7.002	77	83723	41.193	ng/u1	94
8) Phenol	7.055	94	140513	37.947	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.284	93	107126	37.367	ng/u1	94
12) 2-Chlorophenol	7.431	128	109845	41.996	ng/u1	96
13) 2-Methylphenol	8.300	108	108421	38.114	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.382	45	253378	37.096	ng/u1	99
16) Acetophenone	8.682	105	184999	37.048	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.670	70	96595	37.675	ng/u1#	96
18) 4-Methylphenol	8.629	108	121039	38.260	ng/u1	96
19) Hexachloroethane	8.941	117	45140	40.687	ng/u1	93
22) Nitrobenzene	9.058	77	138458	44.255	ng/u1#	92
23) Isophorone	9.581	82	265110	38.391	ng/u1	98
25) 2-Nitrophenol	9.763	139	59727	56.903	ng/u1#	89
26) 2,4-Dimethylphenol	9.828	107	129496	42.067	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.063	93	151384	38.128	ng/u1	95
29) 2,4-Dichlorophenol	10.298	162	106551	44.969	ng/u1	98
30) Naphthalene	10.703	128	367558	39.043	ng/u1	99
32) 4-Chloroaniline	10.803	127	150507	38.550	ng/u1	97
33) Hexachlorobutadiene	10.991	225	82319	42.753	ng/u1	96
34) Caprolactam	11.567	113	39224m	35.573	ng/u1	
35) 4-Chloro-3-methylphenol	11.931	107	135270	43.509	ng/u1#	89
36) 2-Methylnaphthalene	12.307	142	260667	38.544	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.525	142	266093	38.774	ng/ul	93
39) 1,2,4,5-Tetrachloroben...	12.677	216	141273	38.885	ng/ul	97
40) Hexachlorocyclopentadiene	12.666	237	83467	53.075	ng/ul#	84
41) 2,4,6-Trichlorophenol	12.918	196	91809	46.278	ng/ul	93
42) 2,4,5-Trichlorophenol	12.989	196	100192	44.885	ng/ul	99
43) 1,1'-Biphenyl	13.318	154	366052	39.376	ng/ul	96
44) 2-Chloronaphthalene	13.359	162	273348	39.208	ng/ul	97
45) 2-Nitroaniline	13.559	65	101122	51.732	ng/ul	96
47) Dimethylphthalate	13.947	163	357232	40.391	ng/ul	99
48) 2,6-Dinitrotoluene	14.058	165	70087	49.823	ng/ul	98
50) Acenaphthylene	14.205	152	426858	39.452	ng/ul	99
51) 3-Nitroaniline	14.387	138	69493	44.597	ng/ul#	82
52) Acenaphthene	14.552	153	312292	39.056	ng/ul	98
53) 2,4-Dinitrophenol	14.587	184	32945	49.924	ng/ul	95
55) 4-Nitrophenol	14.693	109	71702	46.507	ng/ul	95
56) Dibenzofuran	14.887	168	436336	38.968	ng/ul	99
57) 2,4-Dinitrotoluene	14.845	165	107569	51.358	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.110	232	94236	49.158	ng/ul	96
59) Diethylphthalate	15.316	149	379620	41.536	ng/ul	98
61) Fluorene	15.533	166	357345	39.528	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.527	204	171942	37.959	ng/ul	99
63) 4-Nitroaniline	15.551	138	73445	45.134	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.609	198	62808	53.828	ng/ul#	89
67) N-Nitrosodiphenylamine	15.744	169	304568	41.627	ng/ul	99
68) 4-Bromophenyl-phenylether	16.420	248	115401	41.723	ng/ul	99
69) Hexachlorobenzene	16.538	284	125313	39.831	ng/ul	96
70) Atrazine	16.690	200	126175	42.849	ng/ul	95
71) Pentachlorophenol	16.878	266	78804	47.565	ng/ul	95
72) Phenanthrene	17.266	178	572742	39.564	ng/ul	99
74) Anthracene	17.360	178	590442	40.122	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.283	216	147909	42.455	ng/ul	95
76) Pentachlorobenzene	14.804	250	152808	41.121	ng/ul	96
77) Carbazole	17.625	167	524152	41.760	ng/ul	99
78) Di-n-butylphthalate	18.195	149	643144	44.313	ng/ul	99
80) Fluoranthene	19.276	202	664246	43.345	ng/ul	99
82) Pyrene	19.640	202	706455	42.250	ng/ul	98
83) Butylbenzylphthalate	20.539	149	283721	55.347	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.361	252	214664	44.451	ng/ul	96
85) Benzo(a)anthracene	21.438	228	698612	41.311	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.373	149	424070	51.870	ng/ul	99
87) Chrysene	21.502	228	669705	40.457	ng/ul	98
89) Di-n-octyl phthalate	22.519	149	733642	50.349	ng/ul	100
90) Benzo(b)fluoranthene	23.518	252	680868	43.711	ng/ul	98
91) Benzo(k)fluoranthene	23.582	252	676352	40.958	ng/ul	99
93) Benzo(a)pyrene	24.334	252	627779	41.862	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.866	276	805041	43.966	ng/ul	98
95) Dibenzo(a,h)anthracene	27.930	278	650924	44.130	ng/ul	95
96) Benzo(g,h,i)perylene	28.929	276	609953	42.163	ng/ul	99

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

