

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091125\
 Data File : BG064349.D
 Acq On : 11 Sep 2025 16:27
 Operator : RC/JU
 Sample : SSTD04016
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD040415

Quant Time: Sep 12 10:53:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 12 10:45:34 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.849	152	18331	20.000	ng/u1	# 0.00
20) Naphthalene-d8	10.634	136	82530	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.470	164	64678	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.214	188	160813	20.000	ng/u1	0.00
79) Chrysene-d12	21.445	240	170549	20.000	ng/u1	0.00
88) Perylene-d12	24.441	264	189486	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.313	96	5666	13.343	ng/uL	0.00
4) Pyridine-d5	3.718	84	41492	34.069	ng/u1	0.00
7) Phenol-d5	7.014	99	61427	39.162	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.179	67	33264	34.499	ng/u1	0.00
11) 2-Chlorophenol-d4	7.379	132	51297	40.300	ng/u1	0.00
15) 4-Methylphenol-d8	8.554	113	56394	42.229	ng/u1	0.00
21) Nitrobenzene-d5	9.000	128	28597	46.858	ng/u1	0.00
24) 2-Nitrophenol-d4	9.717	143	34511	52.490	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.258	165	62828	47.926	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	84135	46.675	ng/u1	0.00
46) Dimethylphthalate-d6	13.883	166	236179	46.134	ng/u1	0.00
49) Acenaphthylene-d8	14.165	160	233687	42.294	ng/u1	0.00
54) 4-Nitrophenol-d4	14.676	143	38635	45.580	ng/u1	0.00
60) Fluorene-d10	15.463	176	192521	44.129	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	47274	51.364	ng/u1	0.00
73) Anthracene-d10	17.308	188	329035	41.463	ng/u1	0.00
81) Pyrene-d10	19.600	212	389710	41.892	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.241	264	412168	42.454	ng/u1	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.348	88	6123	12.702	ng/uL#	87
5) Pyridine	3.742	79	45788	36.065	ng/u1	94
6) Benzaldehyde	6.991	77	31635	35.629	ng/u1	94
8) Phenol	7.044	94	63738	39.213	ng/u1#	84
10) Bis(2-Chloroethyl)ether	7.273	93	45949	38.119	ng/u1	98
12) 2-Chlorophenol	7.414	128	53197	40.868	ng/u1	89
13) 2-Methylphenol	8.289	108	51881	40.894	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.372	45	82659	30.022	ng/u1#	96
16) Acetophenone	8.665	105	92639	42.893	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.654	70	44488	39.297	ng/u1	98
18) 4-Methylphenol	8.618	108	56914	40.592	ng/u1	95
19) Hexachloroethane	8.930	117	23372	41.969	ng/u1	97
22) Nitrobenzene	9.041	77	68396	41.756	ng/u1	92
23) Isophorone	9.564	82	130700	41.741	ng/u1	95
25) 2-Nitrophenol	9.747	139	33549	47.834	ng/u1	96
26) 2,4-Dimethylphenol	9.811	107	74587	48.860	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.046	93	66044	38.114	ng/u1	97
29) 2,4-Dichlorophenol	10.287	162	58900	46.579	ng/u1	93
30) Naphthalene	10.687	128	188608	42.998	ng/u1	98
32) 4-Chloroaniline	10.792	127	82636	47.043	ng/u1	91
33) Hexachlorobutadiene	10.975	225	51082	50.552	ng/u1	93
34) Caprolactam	11.550	113	22763m	46.119	ng/u1	
35) 4-Chloro-3-methylphenol	11.920	107	72152	45.646	ng/u1	98
36) 2-Methylnaphthalene	12.296	142	144470	44.772	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.514	142	142367	43.598	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.661	216	87545	44.837	ng/ul	96
40) Hexachlorocyclopentadiene	12.649	237	59827	54.185	ng/ul	96
41) 2,4,6-Trichlorophenol	12.902	196	56301	45.685	ng/ul	91
42) 2,4,5-Trichlorophenol	12.978	196	63060	47.403	ng/ul#	88
43) 1,1'-Biphenyl	13.307	154	199586	41.393	ng/ul#	97
44) 2-Chloronaphthalene	13.348	162	147396	40.646	ng/ul	98
45) 2-Nitroaniline	13.548	65	54333	44.030	ng/ul	95
47) Dimethylphthalate	13.930	163	220562	45.972	ng/ul#	95
48) 2,6-Dinitrotoluene	14.047	165	45208	49.336	ng/ul#	87
50) Acenaphthylene	14.194	152	249014	43.398	ng/ul	97
51) 3-Nitroaniline	14.376	138	38163	42.542	ng/ul	88
52) Acenaphthene	14.535	153	168732	40.461	ng/ul	95
53) 2,4-Dinitrophenol	14.582	184	29410	57.913	ng/ul	89
55) 4-Nitrophenol	14.694	109	50585	50.636	ng/ul	96
56) Dibenzofuran	14.870	168	248891	42.460	ng/ul	92
57) 2,4-Dinitrotoluene	14.835	165	68497	48.300	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.099	232	63260	51.015	ng/ul#	92
59) Diethylphthalate	15.299	149	231273	44.215	ng/ul	95
61) Fluorene	15.522	166	210168	43.395	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.516	204	109055	44.827	ng/ul	94
63) 4-Nitroaniline	15.540	138	38738	41.363	ng/ul	88
66) 4,6-Dinitro-2-methylph...	15.599	198	49486	51.175	ng/ul	97
67) N-Nitrosodiphenylamine	15.728	169	184226	40.291	ng/ul	95
68) 4-Bromophenyl-phenylether	16.403	248	79601	44.947	ng/ul	93
69) Hexachlorobenzene	16.521	284	88518	44.967	ng/ul	94
70) Atrazine	16.680	200	86956	46.497	ng/ul	94
71) Pentachlorophenol	16.868	266	56451	47.500	ng/ul	94
72) Phenanthrene	17.255	178	360106	40.977	ng/ul	98
74) Anthracene	17.344	178	365189	40.671	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.272	216	91597	41.609	ng/ul	99
76) Pentachlorobenzene	14.794	250	97906	42.277	ng/ul	97
77) Carbazole	17.614	167	325040	42.067	ng/ul	98
78) Di-n-butylphthalate	18.184	149	400360	40.570	ng/ul	98
80) Fluoranthene	19.265	202	443851	40.665	ng/ul	98
82) Pyrene	19.629	202	459111	39.974	ng/ul	99
83) Butylbenzylphthalate	20.522	149	186063	40.826	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.345	252	159986	48.165	ng/ul	99
85) Benzo(a)anthracene	21.421	228	481338	41.589	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.345	149	265609	39.159	ng/ul	99
87) Chrysene	21.486	228	452242	41.258	ng/ul	99
89) Di-n-octyl phthalate	22.485	149	448025	37.680	ng/ul	100
90) Benzo(b)fluoranthene	23.495	252	464015m	40.238	ng/ul	
91) Benzo(k)fluoranthene	23.560	252	474682	40.854	ng/ul	98
93) Benzo(a)pyrene	24.312	252	451396	41.862	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.831	276	571492	41.985	ng/ul	99
95) Dibenzo(a,h)anthracene	27.884	278	461869	42.435	ng/ul#	95
96) Benzo(g,h,i)perylene	28.883	276	461783	43.209	ng/ul#	96

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

