

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091225\
 Data File : BG064367.D
 Acq On : 12 Sep 2025 20:11
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020597

Quant Time: Sep 15 11:10:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 12 11:06:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/16/2025
 Supervised By :Jagrut Upadhyay 09/16/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.844	152	23469	20.000	ng/u1	0.00
20) Naphthalene-d8	10.629	136	100926	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.465	164	74858	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.209	188	187364m	20.000	ng/u1	0.00
79) Chrysene-d12	21.434	240	208221	20.000	ng/u1	0.00
88) Perylene-d12	24.436	264	220167	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.314	96	3759	8.414	ng/uL	0.00
4) Pyridine-d5	3.719	84	26295	20.173	ng/u1	0.00
7) Phenol-d5	7.015	99	36578	19.068	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.174	67	19204	19.184	ng/u1	0.00
11) 2-Chlorophenol-d4	7.380	132	31621	20.610	ng/u1	0.00
15) 4-Methylphenol-d8	8.549	113	30825	17.661	ng/u1	0.00
21) Nitrobenzene-d5	8.995	128	15435	19.490	ng/u1	0.00
24) 2-Nitrophenol-d4	9.712	143	19250	19.928	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.259	165	33971	18.912	ng/u1	0.00
31) 4-Chloroaniline-d4	10.764	131	44912	18.495	ng/u1	0.00
46) Dimethylphthalate-d6	13.878	166	130410	19.547	ng/u1	0.00
49) Acenaphthylene-d8	14.160	160	130594	20.260	ng/u1	0.00
54) 4-Nitrophenol-d4	14.665	143	20597	19.704	ng/u1	0.00
60) Fluorene-d10	15.458	176	109251	20.184	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.576	200	25665	19.204	ng/u1	0.00
73) Anthracene-d10	17.303	188	184606	19.751	ng/u1	0.00
81) Pyrene-d10	19.595	212	222034	18.931	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.230	264	232668	20.504	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.349	88	4601	9.211	ng/uL	94
5) Pyridine	3.737	79	28374	20.644	ng/u1	87
6) Benzaldehyde	6.986	77	21728	24.357	ng/u1	92
8) Phenol	7.039	94	35783	18.211	ng/u1	90
10) Bis(2-Chloroethyl)ether	7.268	93	25991	19.156	ng/u1	94
12) 2-Chlorophenol	7.409	128	30868	19.354	ng/u1#	87
13) 2-Methylphenol	8.284	108	29552	18.128	ng/u1	88
14) 2,2'-oxybis(1-Chloropr...	8.367	45	47013	18.610	ng/u1#	92
16) Acetophenone	8.660	105	51360	18.510	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.649	70	23846	18.271	ng/u1#	90
18) 4-Methylphenol	8.613	108	31542	17.990	ng/u1	93
19) Hexachloroethane	8.919	117	14506	20.629	ng/u1	86
22) Nitrobenzene	9.036	77	40254	20.464	ng/u1	100
23) Isophorone	9.559	82	71904	19.008	ng/u1	98
25) 2-Nitrophenol	9.747	139	18883	20.390	ng/u1	91
26) 2,4-Dimethylphenol	9.812	107	34881	16.987	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.041	93	36394	19.002	ng/u1	94
29) 2,4-Dichlorophenol	10.276	162	31101	18.978	ng/u1	98
30) Naphthalene	10.682	128	111389	20.273	ng/u1	99
32) 4-Chloroaniline	10.787	127	43725	18.269	ng/u1	91
33) Hexachlorobutadiene	10.970	225	28339	19.247	ng/u1#	86
34) Caprolactam	11.534	113	11557m	17.388	ng/u1	
35) 4-Chloro-3-methylphenol	11.915	107	39272	19.369	ng/u1	98
36) 2-Methylnaphthalene	12.291	142	82759	19.786	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.509	142	81282	19.554	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.662	216	49200	20.740	ng/ul	97
40) Hexachlorocyclopentadiene	12.644	237	28734	17.587	ng/ul	95
41) 2,4,6-Trichlorophenol	12.903	196	30514	20.079	ng/ul	87
42) 2,4,5-Trichlorophenol	12.973	196	33775	20.776	ng/ul	93
43) 1,1'-Biphenyl	13.302	154	114548	20.726	ng/ul	98
44) 2-Chloronaphthalene	13.343	162	83359	20.555	ng/ul	97
45) 2-Nitroaniline	13.543	65	28029	19.248	ng/ul	95
47) Dimethylphthalate	13.925	163	122885	19.825	ng/ul	96
48) 2,6-Dinitrotoluene	14.042	165	23864	20.123	ng/ul#	75
50) Acenaphthylene	14.189	152	141210	20.365	ng/ul	99
51) 3-Nitroaniline	14.371	138	21921	21.669	ng/ul	85
52) Acenaphthene	14.530	153	96148	20.420	ng/ul	95
53) 2,4-Dinitrophenol	14.577	184	14923	18.683	ng/ul	84
55) 4-Nitrophenol	14.683	109	26878	19.407	ng/ul	92
56) Dibenzofuran	14.865	168	139643	20.024	ng/ul	96
57) 2,4-Dinitrotoluene	14.830	165	39638	20.731	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.094	232	34547	20.201	ng/ul#	92
59) Diethylphthalate	15.294	149	132426	19.511	ng/ul	94
61) Fluorene	15.517	166	117980	19.950	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.511	204	63598	20.396	ng/ul	94
63) 4-Nitroaniline	15.535	138	22344	21.502	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.588	198	26498	19.508	ng/ul#	89
67) N-Nitrosodiphenylamine	15.723	169	105361	20.604	ng/ul	96
68) 4-Bromophenyl-phenylether	16.404	248	44072	20.048	ng/ul	93
69) Hexachlorobenzene	16.522	284	49774	20.088	ng/ul	96
70) Atrazine	16.675	200	50261	19.932	ng/ul	96
71) Pentachlorophenol	16.863	266	30074	18.934	ng/ul	93
72) Phenanthrene	17.250	178	204278m	20.060	ng/ul	
74) Anthracene	17.339	178	209587	20.219	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.267	216	52221	20.569	ng/ul	97
76) Pentachlorobenzene	14.789	250	55166	19.862	ng/ul	92
77) Carbazole	17.609	167	180160	20.016	ng/ul	97
78) Di-n-butylphthalate	18.173	149	216041	19.334	ng/ul	98
80) Fluoranthene	19.260	202	250893	18.914	ng/ul#	97
82) Pyrene	19.624	202	260670	19.079	ng/ul	99
83) Butylbenzylphthalate	20.517	149	99947	18.709	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.340	252	93178	21.308	ng/ul	99
85) Benzo(a)anthracene	21.416	228	273192	19.566	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.346	149	149673	19.530	ng/ul#	97
87) Chrysene	21.481	228	257213	19.574	ng/ul	98
89) Di-n-octyl phthalate	22.480	149	252076	20.111	ng/ul	100
90) Benzo(b)fluoranthene	23.490	252	272309m	20.565	ng/ul	
91) Benzo(k)fluoranthene	23.549	252	260471	19.770	ng/ul	95
93) Benzo(a)pyrene	24.295	252	249001	20.243	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	27.814	276	321323	20.205	ng/ul	98
95) Dibenzo(a,h)anthracene	27.861	278	266601	20.806	ng/ul	96
96) Benzo(g,h,i)perylene	28.849	276	266235m	20.507	ng/ul	

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

