

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091625\
 Data File : BG064393.D
 Acq On : 16 Sep 2025 20:09
 Operator : RC/JU
 Sample : PB169710BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS710

Quant Time: Sep 17 04:24:42 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 09/17/2025
 Supervised By :Jagrut Upadhyay 09/17/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.848	152	16684	20.000	ng/u1	0.00
20) Naphthalene-d8	10.633	136	72651	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.464	164	53296	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.208	188	125483	20.000	ng/u1	0.00
79) Chrysene-d12	21.438	240	141344	20.000	ng/u1	0.00
88) Perylene-d12	24.429	264	156158	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.318	96	2528	7.960	ng/uL	0.00
4) Pyridine-d5	3.718	84	31493	33.987	ng/u1	0.00
7) Phenol-d5	7.014	99	49956	36.632	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.173	67	24790	34.835	ng/u1	0.00
11) 2-Chlorophenol-d4	7.378	132	42477	38.945	ng/u1	0.00
15) 4-Methylphenol-d8	8.548	113	45197	36.427	ng/u1	0.00
21) Nitrobenzene-d5	8.988	128	21013	36.860	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.717	143	25270	36.341	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	49091	37.966	ng/u1	0.00
31) 4-Chloroaniline-d4	10.763	131	46356	26.520	ng/u1	0.00
46) Dimethylphthalate-d6	13.877	166	164705	34.676	ng/u1	0.00
49) Acenaphthylene-d8	14.159	160	168168	36.644	ng/u1	0.00
54) 4-Nitrophenol-d4	14.670	143	25798	34.664	ng/u1	0.00
60) Fluorene-d10	15.457	176	139811	36.279	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	33547	37.480	ng/u1	0.00
73) Anthracene-d10	17.308	188	229604	36.680	ng/u1	0.00
81) Pyrene-d10	19.594	212	280304	35.208	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.229	264	308708	38.357	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.348	88	5500	15.488	ng/uL#	79
5) Pyridine	3.736	79	31057	31.786	ng/u1	94
6) Benzaldehyde	6.985	77	2857	4.505	ng/u1#	68
8) Phenol	7.038	94	49240	35.251	ng/u1#	86
10) Bis(2-Chloroethyl)ether	7.267	93	33759	34.999	ng/u1	95
12) 2-Chlorophenol	7.408	128	43453	38.324	ng/u1	97
13) 2-Methylphenol	8.283	108	40627	35.056	ng/u1	91
14) 2,2'-oxybis(1-Chloropr...	8.360	45	61226	34.092	ng/u1#	92
16) Acetophenone	8.659	105	68945	34.952	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.648	70	32626	35.165	ng/u1#	95
18) 4-Methylphenol	8.606	108	42942	34.453	ng/u1	85
19) Hexachloroethane	8.918	117	18254	36.517	ng/u1	95
22) Nitrobenzene	9.035	77	49925	35.258	ng/u1	95
23) Isophorone	9.558	82	94688	34.773	ng/u1	95
25) 2-Nitrophenol	9.746	139	24317	36.476	ng/u1	95
26) 2,4-Dimethylphenol	9.811	107	47268	31.978	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.040	93	47455	34.421	ng/u1#	93
29) 2,4-Dichlorophenol	10.281	162	45629	38.678	ng/u1	98
30) Naphthalene	10.680	128	142508	36.032	ng/u1	98
32) 4-Chloroaniline	10.786	127	33096	19.209	ng/u1#	86
33) Hexachlorobutadiene	10.968	225	39567	37.332	ng/u1	99
34) Caprolactam	11.544	113	14523m	30.354	ng/u1	
35) 4-Chloro-3-methylphenol	11.914	107	51476	35.268	ng/u1	95
36) 2-Methylnaphthalene	12.290	142	105609	35.075	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.508	142	103692	34.654	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.660	216	65926	39.034	ng/ul#	97
40) Hexachlorocyclopentadiene	12.643	237	33696	28.967	ng/ul	95
41) 2,4,6-Trichlorophenol	12.901	196	39085	36.124	ng/ul	99
42) 2,4,5-Trichlorophenol	12.972	196	44028	38.039	ng/ul	96
43) 1,1'-Biphenyl	13.301	154	149776	38.064	ng/ul#	95
44) 2-Chloronaphthalene	13.342	162	110634	38.318	ng/ul	94
45) 2-Nitroaniline	13.548	65	37034	35.721	ng/ul	94
47) Dimethylphthalate	13.924	163	152505	34.557	ng/ul	96
48) 2,6-Dinitrotoluene	14.041	165	31579	37.402	ng/ul#	92
50) Acenaphthylene	14.188	152	170899	34.618	ng/ul	97
51) 3-Nitroaniline	14.370	138	27941	38.794	ng/ul	87
52) Acenaphthene	14.529	153	127109	37.917	ng/ul	92
53) 2,4-Dinitrophenol	14.576	184	19847	34.901	ng/ul	94
55) 4-Nitrophenol	14.682	109	35945	36.454	ng/ul	99
56) Dibenzofuran	14.864	168	182311	36.719	ng/ul	91
57) 2,4-Dinitrotoluene	14.829	165	48578	35.686	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.093	232	41862	34.381	ng/ul#	90
59) Diethylphthalate	15.293	149	161674	33.458	ng/ul	97
61) Fluorene	15.516	166	150434	35.730	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.510	204	82426	37.129	ng/ul	95
63) 4-Nitroaniline	15.534	138	31700	42.848	ng/ul#	82
66) 4,6-Dinitro-2-methylph...	15.592	198	34655	38.096	ng/ul	97
67) N-Nitrosodiphenylamine	15.722	169	131907	38.515	ng/ul	98
68) 4-Bromophenyl-phenylether	16.403	248	55911	37.976	ng/ul	87
69) Hexachlorobenzene	16.521	284	64314	38.755	ng/ul	97
70) Atrazine	16.668	200	9484	5.616	ng/ul#	86
71) Pentachlorophenol	16.861	266	37293	35.057	ng/ul	97
72) Phenanthrene	17.249	178	250312	36.702	ng/ul	99
74) Anthracene	17.343	178	255024	36.735	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.266	216	66424	39.066	ng/ul	97
76) Pentachlorobenzene	14.787	250	71101	38.224	ng/ul	96
77) Carbazole	17.608	167	222743	36.951	ng/ul	99
78) Di-n-butylphthalate	18.178	149	275912	36.868	ng/ul	99
80) Fluoranthene	19.259	202	313624	34.830	ng/ul	98
82) Pyrene	19.623	202	334385	36.054	ng/ul	99
83) Butylbenzylphthalate	20.522	149	128581	35.458	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.339	252	115529	38.920	ng/ul	96
85) Benzo(a)anthracene	21.421	228	355285	37.485	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.344	149	186877	35.922	ng/ul#	96
87) Chrysene	21.480	228	339650	38.078	ng/ul	98
89) Di-n-octyl phthalate	22.478	149	325372	36.600	ng/ul	100
90) Benzo(b)fluoranthene	23.489	252	351626m	37.439	ng/ul	
91) Benzo(k)fluoranthene	23.554	252	361744	38.712	ng/ul	99
93) Benzo(a)pyrene	24.294	252	320459	36.731	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.819	276	428280m	37.969	ng/ul	
95) Dibenzo(a,h)anthracene	27.866	278	344050	37.857	ng/ul#	92
96) Benzo(g,h,i)perylene	28.865	276	334282	36.303	ng/ul#	95

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

