

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091125\
 Data File : BG064352.D
 Acq On : 11 Sep 2025 19:52
 Operator : RC/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SICV418

Manual Integrations
 APPROVED

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

Quant Time: Sep 12 12:50:43 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.841	152	18117	20.000	ng/u1	0.00
20) Naphthalene-d8	10.632	136	78547	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.468	164	64085	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.212	188	162099	20.000	ng/u1	0.00
79) Chrysene-d12	21.437	240	180815	20.000	ng/u1	0.00
88) Perylene-d12	24.439	264	198322	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.311	96	3120	9.047	ng/uL	0.00
4) Pyridine-d5	3.716	84	19661	19.540	ng/u1	0.00
7) Phenol-d5	7.012	99	27161	18.341	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.177	67	15046	19.470	ng/u1	0.00
11) 2-Chlorophenol-d4	7.377	132	23411	19.767	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	24961	18.526	ng/u1	0.00
21) Nitrobenzene-d5	8.992	128	12772	20.722	ng/u1	0.00
24) 2-Nitrophenol-d4	9.715	143	15891	21.137	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.256	165	27404	19.603	ng/u1	0.00
31) 4-Chloroaniline-d4	10.767	131	37666	19.931	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	112526	19.702	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	109774	19.893	ng/u1	0.00
54) 4-Nitrophenol-d4	14.674	143	19048	21.285	ng/u1	0.00
60) Fluorene-d10	15.461	176	93459	20.169	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.585	200	22736	19.663	ng/u1	0.00
73) Anthracene-d10	17.306	188	162878	20.143	ng/u1	0.00
81) Pyrene-d10	19.592	212	200016	19.639	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.233	264	210688	20.612	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.352	88	2863	7.424	ng/uL#	41
5) Pyridine	3.740	79	21357	20.129	ng/u1	89
6) Benzaldehyde	6.983	77	17032	24.733	ng/u1	98
8) Phenol	7.042	94	28026	18.477	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.265	93	19808	18.911	ng/u1	95
12) 2-Chlorophenol	7.412	128	24473	19.877	ng/u1	95
13) 2-Methylphenol	8.287	108	23180	18.420	ng/u1	90
14) 2,2'-oxybis(1-Chloropr...	8.364	45	36681	18.809	ng/u1#	91
16) Acetophenone	8.658	105	39751	18.558	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.646	70	20956	20.800	ng/u1	88
18) 4-Methylphenol	8.616	108	26501	19.580	ng/u1#	76
19) Hexachloroethane	8.922	117	10575	19.482	ng/u1	95
22) Nitrobenzene	9.039	77	29922	19.545	ng/u1	98
23) Isophorone	9.562	82	59685	20.274	ng/u1	93
25) 2-Nitrophenol	9.750	139	14416	20.001	ng/u1	97
26) 2,4-Dimethylphenol	9.809	107	28722	17.973	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.044	93	29587	19.850	ng/u1	97
29) 2,4-Dichlorophenol	10.285	162	26048	20.423	ng/u1	98
30) Naphthalene	10.685	128	87182	20.389	ng/u1	98
32) 4-Chloroaniline	10.790	127	36969	19.847	ng/u1	96
33) Hexachlorobutadiene	10.972	225	22836	19.929	ng/u1	90
34) Caprolactam	11.542	113	10519m	20.335	ng/u1	
35) 4-Chloro-3-methylphenol	11.918	107	33018	20.924	ng/u1#	91
36) 2-Methylnaphthalene	12.289	142	67046	20.596	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.512	142	68028	21.028	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.659	216	40037	19.715	ng/ul	98
40) Hexachlorocyclopentadiene	12.647	237	22799	16.300	ng/ul	98
41) 2,4,6-Trichlorophenol	12.906	196	24815	19.074	ng/ul	98
42) 2,4,5-Trichlorophenol	12.970	196	28492m	20.472	ng/ul	
43) 1,1'-Biphenyl	13.299	154	94525	19.978	ng/ul	95
44) 2-Chloronaphthalene	13.346	162	69545	20.032	ng/ul	97
45) 2-Nitroaniline	13.546	65	24730	19.838	ng/ul	94
47) Dimethylphthalate	13.928	163	105229	19.830	ng/ul#	97
48) 2,6-Dinitrotoluene	14.045	165	21806	21.479	ng/ul	94
50) Acenaphthylene	14.192	152	117884	19.859	ng/ul	97
51) 3-Nitroaniline	14.374	138	19217	22.189	ng/ul	99
52) Acenaphthene	14.533	153	81034	20.103	ng/ul	91
53) 2,4-Dinitrophenol	14.580	184	12926	18.904	ng/ul	91
55) 4-Nitrophenol	14.686	109	25343	21.375	ng/ul	97
56) Dibenzofuran	14.868	168	119342	19.990	ng/ul	89
57) 2,4-Dinitrotoluene	14.827	165	32889	20.093	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.097	232	30399	20.763	ng/ul#	91
59) Diethylphthalate	15.291	149	117965	20.302	ng/ul	94
61) Fluorene	15.514	166	102880	20.322	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.508	204	53121	19.900	ng/ul	96
63) 4-Nitroaniline	15.532	138	20681	23.247	ng/ul	85
66) 4,6-Dinitro-2-methylph...	15.596	198	23120	19.674	ng/ul	99
67) N-Nitrosodiphenylamine	15.726	169	91084	20.588	ng/ul	97
68) 4-Bromophenyl-phenylether	16.407	248	37084	19.498	ng/ul	89
69) Hexachlorobenzene	16.519	284	43812	20.437	ng/ul	96
70) Atrazine	16.672	200	46126	21.143	ng/ul	90
71) Pentachlorophenol	16.866	266	26116	19.005	ng/ul	97
72) Phenanthrene	17.253	178	178212	20.228	ng/ul	99
74) Anthracene	17.341	178	178618	19.917	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.270	216	41247	18.779	ng/ul	95
76) Pentachlorobenzene	14.792	250	47524	19.778	ng/ul	92
77) Carbazole	17.612	167	158335	20.333	ng/ul	98
78) Di-n-butylphthalate	18.176	149	198270	20.509	ng/ul	98
80) Fluoranthene	19.263	202	226382	19.653	ng/ul	98
82) Pyrene	19.621	202	232809	19.622	ng/ul	99
83) Butylbenzylphthalate	20.520	149	93166	20.083	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.343	252	82664	21.769	ng/ul	95
85) Benzo(a)anthracene	21.419	228	241062	19.882	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.343	149	130152	19.557	ng/ul#	97
87) Chrysene	21.484	228	226276	19.830	ng/ul	98
89) Di-n-octyl phthalate	22.483	149	232331	20.578	ng/ul	100
90) Benzo(b)fluoranthene	23.493	252	245363	20.571	ng/ul#	99
91) Benzo(k)fluoranthene	23.558	252	243708	20.535	ng/ul	100
93) Benzo(a)pyrene	24.298	252	227029	20.490	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.806	276	287647	20.080	ng/ul	100
95) Dibenzo(a,h)anthracene	27.870	278	233535	20.233	ng/ul	98
96) Benzo(g,h,i)perylene	28.857	276	232198	19.856	ng/ul#	94

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

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