

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021425\
 Data File : BG064030.D
 Acq On : 14 Feb 2025 13:26
 Operator : RC/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SICV404

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Feb 18 15:54:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG021425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 18 15:56:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.868	152	28374	20.000	ng/u1	0.00
20) Naphthalene-d8	10.653	136	133529	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.490	164	99525	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.234	188	224057	20.000	ng/u1	0.00
79) Chrysene-d12	21.464	240	219777	20.000	ng/u1	0.00
88) Perylene-d12	24.484	264	232257	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.338	96	6665	8.086	ng/uL	0.00
4) Pyridine-d5	3.738	84	47157	20.132	ng/u1	0.00
7) Phenol-d5	7.022	99	54000	21.060	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.192	67	40255	23.422	ng/u1	0.00
11) 2-Chlorophenol-d4	7.392	132	39690	21.909	ng/u1	0.00
15) 4-Methylphenol-d8	8.561	113	45893	21.020	ng/u1	0.00
21) Nitrobenzene-d5	9.014	128	18344	23.322	ng/u1	0.00
24) 2-Nitrophenol-d4	9.736	143	17077	25.810	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.271	165	43627	22.785	ng/u1	0.00
31) 4-Chloroaniline-d4	10.776	131	64295	20.414	ng/u1	0.00
46) Dimethylphthalate-d6	13.902	166	166861	22.253	ng/u1	0.00
49) Acenaphthylene-d8	14.178	160	183226	20.980	ng/u1	0.00
54) 4-Nitrophenol-d4	14.672	143	24718	20.949	ng/u1	0.00
60) Fluorene-d10	15.483	176	142298	20.911	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.594	200	16567	20.713	ng/u1	0.00
73) Anthracene-d10	17.328	188	230763	21.044	ng/u1	0.00
81) Pyrene-d10	19.613	212	256941	22.210	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.278	264	248771	21.150	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.367	88	7182	7.859	ng/uL	94
5) Pyridine	3.761	79	42051	17.427	ng/u1	92
6) Benzaldehyde	7.004	77	32874	21.722	ng/u1	98
8) Phenol	7.045	94	54798	19.957	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.286	93	42322	19.680	ng/u1	94
12) 2-Chlorophenol	7.427	128	40582	21.110	ng/u1	90
13) 2-Methylphenol	8.297	108	41238	19.782	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.385	45	101994	19.758	ng/u1	98
16) Acetophenone	8.679	105	76047	20.672	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.667	70	40433	21.420	ng/u1#	97
18) 4-Methylphenol	8.626	108	46680	20.195	ng/u1	97
19) Hexachloroethane	8.943	117	15949	19.991	ng/u1	97
22) Nitrobenzene	9.055	77	51079	21.326	ng/u1#	94
23) Isophorone	9.578	82	112772	20.703	ng/u1	99
25) 2-Nitrophenol	9.766	139	16991	23.166	ng/u1	95
26) 2,4-Dimethylphenol	9.825	107	44800	18.936	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.065	93	63846	20.234	ng/u1	96
29) 2,4-Dichlorophenol	10.295	162	38135	21.099	ng/u1	94
30) Naphthalene	10.700	128	144419	19.572	ng/u1	96
32) 4-Chloroaniline	10.806	127	60591	19.743	ng/u1	99
33) Hexachlorobutadiene	10.994	225	27989	18.701	ng/u1	97
34) Caprolactam	11.552	113	15536m	18.370	ng/u1	
35) 4-Chloro-3-methylphenol	11.928	107	48816	20.456	ng/u1	95
36) 2-Methylnaphthalene	12.310	142	105470	19.866	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	12.533	142	103893	19.247	ng/ul	91	02/18/2025
39) 1,2,4,5-Tetrachloroben...	12.680	216	56995	18.792	ng/ul	94	Supervised By :Jagrut Upadhyay
40) Hexachlorocyclopentadiene	12.668	237	22674	18.668	ng/ul	94	
41) 2,4,6-Trichlorophenol	12.915	196	33345	20.848	ng/ul#	90	
42) 2,4,5-Trichlorophenol	12.986	196	34654	19.335	ng/ul	95	
43) 1,1'-Biphenyl	13.320	154	153039	19.741	ng/ul	99	
44) 2-Chloronaphthalene	13.362	162	110754	19.158	ng/ul	98	02/19/2025
45) 2-Nitroaniline	13.561	65	33478	22.063	ng/ul	97	
47) Dimethylphthalate	13.949	163	150534	20.516	ng/ul	98	
48) 2,6-Dinitrotoluene	14.061	165	26864	24.402	ng/ul	99	
50) Acenaphthylene	14.208	152	181398	20.112	ng/ul	98	
51) 3-Nitroaniline	14.384	138	29647	24.037	ng/ul	98	
52) Acenaphthene	14.554	153	129883	19.560	ng/ul	94	
53) 2,4-Dinitrophenol	14.584	184	8632	16.986	ng/ul#	85	
55) 4-Nitrophenol	14.689	109	22675	19.257	ng/ul	92	
56) Dibenzofuran	14.889	168	183330	19.744	ng/ul	95	
57) 2,4-Dinitrotoluene	14.842	165	36544	22.604	ng/ul#	92	
58) 2,3,4,6-Tetrachlorophenol	15.112	232	35665	23.512	ng/ul	96	
59) Diethylphthalate	15.318	149	157248	20.928	ng/ul	98	
61) Fluorene	15.536	166	148114	19.730	ng/ul	99	
62) 4-Chlorophenyl-phenyle...	15.536	204	73310	19.499	ng/ul	98	
63) 4-Nitroaniline	15.547	138	28795	22.120	ng/ul	98	
66) 4,6-Dinitro-2-methylph...	15.606	198	17459	19.374	ng/ul	94	
67) N-Nitrosodiphenylamine	15.747	169	131373	20.892	ng/ul	98	
68) 4-Bromophenyl-phenylether	16.429	248	47803	20.210	ng/ul	94	
69) Hexachlorobenzene	16.540	284	53682	19.957	ng/ul	96	
70) Atrazine	16.693	200	49616	19.773	ng/ul	98	
71) Pentachlorophenol	16.881	266	27284	20.408	ng/ul	98	
72) Phenanthrene	17.275	178	245715	19.715	ng/ul	97	
74) Anthracene	17.363	178	249511	19.715	ng/ul	99	
75) 1,2,3,4-Tetrachloroben...	13.285	216	55866	18.702	ng/ul	97	
76) Pentachlorobenzene	14.807	250	60060	18.653	ng/ul	97	
77) Carbazole	17.627	167	218066	20.253	ng/ul	98	
78) Di-n-butylphthalate	18.209	149	245818	20.127	ng/ul	99	
80) Fluoranthene	19.284	202	273001	20.884	ng/ul	97	
82) Pyrene	19.642	202	298183	20.777	ng/ul	98	
83) Butylbenzylphthalate	20.547	149	90652	22.563	ng/ul	100	
84) 3,3'-Dichlorobenzidine	21.370	252	99851	24.223	ng/ul	97	
85) Benzo(a)anthracene	21.446	228	286229	19.577	ng/ul	98	
86) Bis(2-ethylhexyl)phtha...	21.387	149	152050	23.027	ng/ul	97	
87) Chrysene	21.505	228	282819	19.524	ng/ul	99	
89) Di-n-octyl phthalate	22.533	149	246337	20.780	ng/ul	100	
90) Benzo(b)fluoranthene	23.597	252	288297	21.011	ng/ul	98	
91) Benzo(k)fluoranthene	23.597	252	291147	20.112	ng/ul	98	
93) Benzo(a)pyrene	24.343	252	266224	20.199	ng/ul	99	
94) Indeno(1,2,3-cd)pyrene	27.880	276	318160	20.038	ng/ul	96	
95) Dibenzo(a,h)anthracene	27.944	278	257446	20.132	ng/ul	97	
96) Benzo(g,h,i)perylene	28.943	276	244176	19.521	ng/ul	96	

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

