

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031425\
 Data File : BG064105.D
 Acq On : 14 Mar 2025 11:13
 Operator : RC/JU
 Sample : SSTD01008
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD010406

Quant Time: Mar 14 13:42:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG031425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 14 13:20:40 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 03/14/2025
 Supervised By :Jagrut Upadhyay 03/17/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	32770	20.000	ng/u1	0.00
20) Naphthalene-d8	10.652	136	150771	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.482	164	106333	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.226	188	244830	20.000	ng/u1	0.00
79) Chrysene-d12	21.457	240	255470	20.000	ng/u1	0.00
88) Perylene-d12	24.465	264	274104	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.337	96	3754	4.038	ng/uL	0.00
4) Pyridine-d5	3.736	84	22086	8.305	ng/u1	0.00
7) Phenol-d5	7.026	99	27550	9.047	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.191	67	18427	9.294	ng/u1	0.00
11) 2-Chlorophenol-d4	7.397	132	23220	10.603	ng/u1	0.00
15) 4-Methylphenol-d8	8.560	113	23741	9.090	ng/u1	0.00
21) Nitrobenzene-d5	9.012	128	10560	11.227	ng/u1	0.00
24) 2-Nitrophenol-d4	9.729	143	10270	11.923	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.270	165	22951	10.299	ng/u1	0.00
31) 4-Chloroaniline-d4	10.781	131	32947	9.288	ng/u1	0.00
46) Dimethylphthalate-d6	13.895	166	82366	10.262	ng/u1	0.00
49) Acenaphthylene-d8	14.177	160	90621	9.755	ng/u1	0.00
54) 4-Nitrophenol-d4	14.670	143	12869	9.765	ng/u1	0.00
60) Fluorene-d10	15.475	176	69709	9.647	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	10325	10.389	ng/u1	0.00
73) Anthracene-d10	17.320	188	119261m	9.897	ng/u1	0.00
81) Pyrene-d10	19.606	212	138308	10.186	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.253	264	137382	9.877	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.378	88	3578	3.472	ng/uL#	92
5) Pyridine	3.760	79	23410	8.502	ng/u1	97
6) Benzaldehyde	7.003	77	20754	11.706	ng/u1	92
8) Phenol	7.050	94	28758	8.903	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.285	93	22727	9.088	ng/u1	91
12) 2-Chlorophenol	7.426	128	23668	10.373	ng/u1	92
13) 2-Methylphenol	8.296	108	23259	9.373	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.384	45	54160	9.090	ng/u1	97
16) Acetophenone	8.672	105	39391	9.043	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.660	70	20519	9.175	ng/u1	94
18) 4-Methylphenol	8.625	108	25582	9.270	ng/u1	82
19) Hexachloroethane	8.942	117	9819	10.146	ng/u1	99
22) Nitrobenzene	9.054	77	30154	10.857	ng/u1#	98
23) Isophorone	9.576	82	56692	9.248	ng/u1#	94
25) 2-Nitrophenol	9.764	139	11827	12.693	ng/u1#	75
26) 2,4-Dimethylphenol	9.823	107	27436	10.040	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.064	93	32715	9.282	ng/u1#	92
29) 2,4-Dichlorophenol	10.293	162	22088	10.501	ng/u1	97
30) Naphthalene	10.699	128	79688	9.535	ng/u1	98
32) 4-Chloroaniline	10.799	127	31354	9.047	ng/u1	98
33) Hexachlorobutadiene	10.992	225	17570	10.279	ng/u1	96
34) Caprolactam	11.539	113	8864m	9.056	ng/u1	
35) 4-Chloro-3-methylphenol	11.927	107	27109	9.822	ng/u1	90
36) 2-Methylnaphthalene	12.309	142	58290	9.709	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.526	142	58240	9.560	ng/ul#	97
39) 1,2,4,5-Tetrachloroben...	12.679	216	32836	10.220	ng/ul	98
40) Hexachlorocyclopentadiene	12.661	237	16956	12.192	ng/ul#	72
41) 2,4,6-Trichlorophenol	12.914	196	20240	11.537	ng/ul	88
42) 2,4,5-Trichlorophenol	12.978	196	20551	10.411	ng/ul	96
43) 1,1'-Biphenyl	13.319	154	78672	9.570	ng/ul	96
44) 2-Chloronaphthalene	13.360	162	59930	9.720	ng/ul#	92
45) 2-Nitroaniline	13.554	65	19135	11.070	ng/ul	91
47) Dimethylphthalate	13.942	163	77721	9.937	ng/ul#	98
48) 2,6-Dinitrotoluene	14.054	165	14583	11.723	ng/ul	90
50) Acenaphthylene	14.206	152	94223	9.848	ng/ul	99
51) 3-Nitroaniline	14.377	138	14631	10.618	ng/ul	81
52) Acenaphthene	14.547	153	68769	9.725	ng/ul	91
53) 2,4-Dinitrophenol	14.588	184	5373	9.207	ng/ul#	83
55) 4-Nitrophenol	14.682	109	14263	10.461	ng/ul	97
56) Dibenzofuran	14.882	168	98892	9.987	ng/ul	100
57) 2,4-Dinitrotoluene	14.841	165	21520	11.619	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.105	232	18689	11.024	ng/ul#	98
59) Diethylphthalate	15.305	149	84558	10.462	ng/ul#	97
61) Fluorene	15.534	166	80358	10.052	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.528	204	39444	9.847	ng/ul	97
63) 4-Nitroaniline	15.540	138	15706	10.914	ng/ul	88
66) 4,6-Dinitro-2-methylph...	15.599	198	10706	9.701	ng/ul#	92
67) N-Nitrosodiphenylamine	15.740	169	69272	10.010	ng/ul	97
68) 4-Bromophenyl-phenylether	16.421	248	24898	9.518	ng/ul	96
69) Hexachlorobenzene	16.533	284	29140	9.793	ng/ul	98
70) Atrazine	16.686	200	29986	10.767	ng/ul	95
71) Pentachlorophenol	16.874	266	16377	10.451	ng/ul	96
72) Phenanthrene	17.267	178	134088	9.793	ng/ul	100
74) Anthracene	17.356	178	137389	9.871	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.278	216	33063	10.034	ng/ul#	88
76) Pentachlorobenzene	14.806	250	33743	9.601	ng/ul	96
77) Carbazole	17.620	167	122830	10.347	ng/ul	98
78) Di-n-butylphthalate	18.196	149	155073	11.297	ng/ul	97
80) Fluoranthene	19.277	202	163569	10.557	ng/ul	99
82) Pyrene	19.635	202	174974	10.350	ng/ul#	96
83) Butylbenzylphthalate	20.540	149	69386	13.388	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.363	252	54858	11.235	ng/ul#	90
85) Benzo(a)anthracene	21.433	228	174872	10.228	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.368	149	105039	12.707	ng/ul	98
87) Chrysene	21.498	228	165229	9.873	ng/ul	96
89) Di-n-octyl phthalate	22.514	149	175008	11.585	ng/ul	100
90) Benzo(b)fluoranthene	23.513	252	165456	10.245	ng/ul	97
91) Benzo(k)fluoranthene	23.578	252	160822	9.393	ng/ul	99
93) Benzo(a)pyrene	24.318	252	153704	9.886	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.849	276	186465	9.822	ng/ul	98
95) Dibenzo(a,h)anthracene	27.914	278	147618	9.653	ng/ul	97
96) Benzo(g,h,i)perylene	28.907	276	146695m	9.781	ng/ul	

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

