

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121724\
 Data File : BG063693.D
 Acq On : 17 Dec 2024 11:44
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020568

Quant Time: Dec 17 12:44:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.803	152	135606	20.000	ng/u1	0.00
20) Naphthalene-d8	10.594	136	566711	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.448	164	433187	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.198	188	1116159	20.000	ng/u1	0.00
79) Chrysene-d12	21.446	240	1136935	20.000	ng/u1	#-0.01
88) Perylene-d12	24.460	264	1150662	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.262	96	26657	7.703	ng/uL	-0.01
4) Pyridine-d5	3.667	84	209635	19.204	ng/u1	-0.02
7) Phenol-d5	6.993	99	240065	19.222	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.134	67	153541	17.800	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.345	132	161506	19.975	ng/u1	0.00
15) 4-Methylphenol-d8	8.520	113	191758	19.776	ng/u1	0.00
21) Nitrobenzene-d5	8.961	128	84463	20.874	ng/u1	0.00
24) 2-Nitrophenol-d4	9.678	143	100609	22.181	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.230	165	182278	20.757	ng/u1	0.00
31) 4-Chloroaniline-d4	10.735	131	248638	22.299	ng/u1	0.00
46) Dimethylphthalate-d6	13.855	166	622287	21.111	ng/u1	0.00
49) Acenaphthylene-d8	14.137	160	693848	20.649	ng/u1	0.00
54) 4-Nitrophenol-d4	14.678	143	91050	21.801	ng/u1	0.00
60) Fluorene-d10	15.441	176	542571	20.819	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.577	200	99979	17.252	ng/u1	0.00
73) Anthracene-d10	17.298	188	1021139	21.279	ng/u1	0.00
81) Pyrene-d10	19.595	212	1244395	21.033	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.261	264	1112249	20.584	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.297	88	29651	7.240	ng/uL	91
5) Pyridine	3.691	79	214671	18.360	ng/u1	93
6) Benzaldehyde	6.946	77	160708	20.978	ng/u1	95
8) Phenol	7.016	94	247620	18.604	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.228	93	186277	18.291	ng/u1	98
12) 2-Chlorophenol	7.374	128	173860	21.243	ng/u1	98
13) 2-Methylphenol	8.262	108	184544	19.183	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.320	45	286771	18.968	ng/u1	98
16) Acetophenone	8.620	105	318413	19.360	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.602	70	186334	18.988	ng/u1	94
18) 4-Methylphenol	8.585	108	208340	19.787	ng/u1	97
19) Hexachloroethane	8.879	117	75613	18.802	ng/u1	93
22) Nitrobenzene	9.002	77	260976	19.314	ng/u1	99
23) Isophorone	9.519	82	502843	19.696	ng/u1	98
25) 2-Nitrophenol	9.713	139	102513	21.992	ng/u1#	93
26) 2,4-Dimethylphenol	9.783	107	212887	20.126	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.007	93	268546	19.447	ng/u1	96
29) 2,4-Dichlorophenol	10.253	162	179074	20.522	ng/u1	95
30) Naphthalene	10.647	128	568677	20.071	ng/u1	97
32) 4-Chloroaniline	10.759	127	232356	21.902	ng/u1	98
33) Hexachlorobutadiene	10.929	225	127669	18.010	ng/u1	99
34) Caprolactam	11.511	113	74786m	24.794	ng/u1	
35) 4-Chloro-3-methylphenol	11.899	107	219775	21.454	ng/u1	95
36) 2-Methylnaphthalene	12.263	142	420691	20.659	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.480	142	428883	20.676	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.633	216	249066	17.960	ng/ul	99
40) Hexachlorocyclopentadiene	12.609	237	140618	25.651	ng/ul	99
41) 2,4,6-Trichlorophenol	12.880	196	157797	20.133	ng/ul	97
42) 2,4,5-Trichlorophenol	12.962	196	166778	20.389	ng/ul	96
43) 1,1'-Biphenyl	13.273	154	597749	20.924	ng/ul	97
44) 2-Chloronaphthalene	13.315	162	474304	20.675	ng/ul	99
45) 2-Nitroaniline	13.526	65	174896	22.760	ng/ul	95
47) Dimethylphthalate	13.902	163	634681	21.484	ng/ul	98
48) 2,6-Dinitrotoluene	14.025	165	119701	21.818	ng/ul#	91
50) Acenaphthylene	14.166	152	734826	20.395	ng/ul	100
51) 3-Nitroaniline	14.354	138	121872	24.026	ng/ul	94
52) Acenaphthene	14.513	153	519759	20.353	ng/ul	97
53) 2,4-Dinitrophenol	14.578	184	61655	21.990	ng/ul	95
55) 4-Nitrophenol	14.695	109	83834	19.331	ng/ul	92
56) Dibenzofuran	14.848	168	770387	21.398	ng/ul	99
57) 2,4-Dinitrotoluene	14.825	165	194206	23.822	ng/ul	87
58) 2,3,4,6-Tetrachlorophenol	15.083	232	147637	20.939	ng/ul#	96
59) Diethylphthalate	15.265	149	639399	22.389	ng/ul	96
61) Fluorene	15.500	166	619360	21.544	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.488	204	326794	20.404	ng/ul	98
63) 4-Nitroaniline	15.524	138	137143	27.006	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.594	198	103509	17.338	ng/ul	92
67) N-Nitrosodiphenylamine	15.706	169	561099	20.760	ng/ul	98
68) 4-Bromophenyl-phenylether	16.387	248	219908	19.332	ng/ul	96
69) Hexachlorobenzene	16.511	284	250938	19.690	ng/ul	95
70) Atrazine	16.664	200	262880	23.009	ng/ul	96
71) Pentachlorophenol	16.863	266	101321	18.856	ng/ul	97
72) Phenanthrene	17.239	178	1147440	21.333	ng/ul	98
74) Anthracene	17.333	178	1187510	21.813	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.244	216	258864	17.383	ng/ul	99
76) Pentachlorobenzene	14.772	250	266836	18.087	ng/ul	95
77) Carbazole	17.604	167	1060645	24.069	ng/ul	98
78) Di-n-butylphthalate	18.162	149	1307995	24.577	ng/ul	98
80) Fluoranthene	19.260	202	1454421	21.629	ng/ul	97
82) Pyrene	19.625	202	1549243	21.655	ng/ul#	95
83) Butylbenzylphthalate	20.518	149	565757	25.761	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.352	252	450707	21.960	ng/ul	94
85) Benzo(a)anthracene	21.429	228	1436867	20.166	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.340	149	818799	25.630	ng/ul	96
87) Chrysene	21.493	228	1353499	19.931	ng/ul	99
89) Di-n-octyl phthalate	22.474	149	1370040	27.586	ng/ul	100
90) Benzo(b)fluoranthene	23.508	252	1328325	20.311	ng/ul	99
91) Benzo(k)fluoranthene	23.573	252	1375583	21.087	ng/ul	99
93) Benzo(a)pyrene	24.319	252	1254698	20.440	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.868	276	1537810	20.513	ng/ul	96
95) Dibenzo(a,h)anthracene	27.921	278	1234758	20.585	ng/ul	97
96) Benzo(g,h,i)perylene	28.926	276	1196045	20.106	ng/ul	98

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

