

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120624\
 Data File : BG063590.D
 Acq On : 6 Dec 2024 12:54
 Operator : RC/JU
 Sample : SSTD01083
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD010425

Quant Time: Dec 06 16:13:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG120624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 06 15:07:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :mohammad ahmed 12/10/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.814	152	63692	20.000	ng/u1	0.00
20) Naphthalene-d8	10.605	136	283066	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.465	164	267687	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.214	188	747770	20.000	ng/u1	0.00
79) Chrysene-d12	21.474	240	786209	20.000	ng/u1	0.00
88) Perylene-d12	24.512	264	809172	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.284	96	7041	4.880	ng/uL	0.00
4) Pyridine-d5	3.683	84	63219	11.845	ng/u1	0.00
7) Phenol-d5	6.991	99	68106	10.861	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.144	67	47541	11.212	ng/u1	0.00
11) 2-Chlorophenol-d4	7.350	132	37889	10.257	ng/u1	0.00
15) 4-Methylphenol-d8	8.531	113	50748	10.915	ng/u1	0.00
21) Nitrobenzene-d5	8.971	128	22480	11.314	ng/u1	0.00
24) 2-Nitrophenol-d4	9.700	143	24579	10.810	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.240	165	53784	10.986	ng/u1	0.00
31) 4-Chloroaniline-d4	10.746	131	65556	11.081	ng/u1	0.00
46) Dimethylphthalate-d6	13.871	166	206873	10.634	ng/u1	0.00
49) Acenaphthylene-d8	14.153	160	226842	10.667	ng/u1	0.00
54) 4-Nitrophenol-d4	14.688	143	23696	9.512	ng/u1	0.00
60) Fluorene-d10	15.458	176	209890	10.945	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	39985	9.465	ng/u1	0.00
73) Anthracene-d10	17.314	188	369856	10.832	ng/u1	0.00
81) Pyrene-d10	19.618	212	505738	11.605	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.300	264	447058	11.000	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.313	88	9078	4.726	ng/uL#	58
5) Pyridine	3.707	79	60699	10.952	ng/u1	96
6) Benzaldehyde	6.956	77	51785	12.905	ng/u1	95
8) Phenol	7.021	94	71660	10.630	ng/u1	92
10) Bis(2-Chloroethyl)ether	7.238	93	51631	11.086	ng/u1	90
12) 2-Chlorophenol	7.385	128	42969	11.494	ng/u1	96
13) 2-Methylphenol	8.266	108	51656	10.981	ng/u1	88
14) 2,2'-oxybis(1-Chloropr...	8.337	45	71131	11.357	ng/u1	94
16) Acetophenone	8.630	105	97292	11.367	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.619	70	54632	11.203	ng/u1#	96
18) 4-Methylphenol	8.595	108	56459	10.930	ng/u1	95
19) Hexachloroethane	8.889	117	23414	11.721	ng/u1	94
22) Nitrobenzene	9.012	77	89133	11.090	ng/u1	97
23) Isophorone	9.535	82	164269	11.336	ng/u1	98
25) 2-Nitrophenol	9.723	139	24959	11.017	ng/u1	95
26) 2,4-Dimethylphenol	9.788	107	70616	11.438	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.017	93	77934	11.510	ng/u1	99
29) 2,4-Dichlorophenol	10.264	162	51319	10.458	ng/u1	91
30) Naphthalene	10.657	128	161993	11.117	ng/u1	97
32) 4-Chloroaniline	10.769	127	59792	10.669	ng/u1	98
33) Hexachlorobutadiene	10.945	225	59242	11.700	ng/u1	96
34) Caprolactam	11.509	113	17718m	11.059	ng/u1	
35) 4-Chloro-3-methylphenol	11.909	107	69417	11.340	ng/u1#	86
36) 2-Methylnaphthalene	12.273	142	127035	11.308	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.496	142	123660	10.857	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.649	216	106735	10.256	ng/ul	98
40) Hexachlorocyclopentadiene	12.626	237	33706	7.758	ng/ul#	98
41) 2,4,6-Trichlorophenol	12.890	196	52383	10.206	ng/ul	89
42) 2,4,5-Trichlorophenol	12.972	196	56720	10.243	ng/ul	96
43) 1,1'-Biphenyl	13.290	154	183752	10.341	ng/ul	94
44) 2-Chloronaphthalene	13.331	162	158549	10.826	ng/ul	95
45) 2-Nitroaniline	13.542	65	46843	9.791	ng/ul	86
47) Dimethylphthalate	13.918	163	206611	10.497	ng/ul	99
48) 2,6-Dinitrotoluene	14.042	165	37872	10.429	ng/ul	85
50) Acenaphthylene	14.183	152	234343	10.479	ng/ul	98
51) 3-Nitroaniline	14.371	138	31759	10.377	ng/ul	90
52) Acenaphthene	14.529	153	176251	10.855	ng/ul	97
53) 2,4-Dinitrophenol	14.594	184	11145m	6.259	ng/ul	
55) 4-Nitrophenol	14.694	109	31492	8.228	ng/ul	86
56) Dibenzofuran	14.864	168	280114	11.162	ng/ul	97
57) 2,4-Dinitrotoluene	14.835	165	62826	10.969	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.093	232	56001	10.813	ng/ul	95
59) Diethylphthalate	15.287	149	210876	10.995	ng/ul	97
61) Fluorene	15.516	166	222766	10.898	ng/ul	92
62) 4-Chlorophenyl-phenyle...	15.511	204	144109	10.948	ng/ul	95
63) 4-Nitroaniline	15.540	138	35348	10.740	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.610	198	38214	9.060	ng/ul#	96
67) N-Nitrosodiphenylamine	15.722	169	176732	10.092	ng/ul	95
68) 4-Bromophenyl-phenylether	16.404	248	91219	10.324	ng/ul	97
69) Hexachlorobenzene	16.527	284	99612	10.473	ng/ul	95
70) Atrazine	16.680	200	88877	10.858	ng/ul#	87
71) Pentachlorophenol	16.880	266	24356m	7.404	ng/ul	
72) Phenanthrene	17.262	178	407668	11.068	ng/ul	98
74) Anthracene	17.350	178	429829	11.300	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.260	216	108273	10.260	ng/ul	97
76) Pentachlorobenzene	14.788	250	123726	11.222	ng/ul	96
77) Carbazole	17.626	167	346217	11.361	ng/ul	100
78) Di-n-butylphthalate	18.190	149	357803	10.999	ng/ul	99
80) Fluoranthene	19.283	202	590603	12.059	ng/ul	99
82) Pyrene	19.647	202	634359	12.184	ng/ul	99
83) Butylbenzylphthalate	20.540	149	118749	10.831	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.380	252	156103	11.599	ng/ul	97
85) Benzo(a)anthracene	21.457	228	589542	11.119	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.374	149	180855	10.972	ng/ul#	97
87) Chrysene	21.521	228	570470	11.453	ng/ul	95
89) Di-n-octyl phthalate	22.514	149	306980	10.856	ng/ul	100
90) Benzo(b)fluoranthene	23.548	252	562019	11.181	ng/ul	96
91) Benzo(k)fluoranthene	23.613	252	544563	10.899	ng/ul	97
93) Benzo(a)pyrene	24.365	252	524898	11.134	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	27.931	276	661818	11.637	ng/ul#	98
95) Dibenzo(a,h)anthracene	27.984	278	510798	11.199	ng/ul#	97
96) Benzo(g,h,i)perylene	28.995	276	481217m	11.139	ng/ul	

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

