

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110824\
 Data File : BG063232.D
 Acq On : 8 Nov 2024 17:21
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020521

Quant Time: Nov 08 17:08:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 06 15:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.841	152	97148	20.000	ng/u1	0.00
20) Naphthalene-d8	10.626	136	443834	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.475	164	379031	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.224	188	921597	20.000	ng/u1	0.00
79) Chrysene-d12	21.484	240	950344	20.000	ng/u1	0.00
88) Perylene-d12	24.522	264	998577	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	18204	8.473	ng/uL	0.00
4) Pyridine-d5	3.705	84	136705	19.251	ng/u1	0.00
7) Phenol-d5	7.013	99	172596	19.689	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.165	67	100473	19.540	ng/u1	0.00
11) 2-Chlorophenol-d4	7.371	132	121398	21.336	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	148135	19.937	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	64835	20.779	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	84000	20.829	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.250	165	164516	20.787	ng/u1	0.00
31) 4-Chloroaniline-d4	10.761	131	198386	19.245	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	556101	18.730	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	620201	21.342	ng/u1	0.00
54) 4-Nitrophenol-d4	14.686	143	78878	19.404	ng/u1	0.00
60) Fluorene-d10	15.467	176	509137	20.319	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.597	200	116208	20.063	ng/u1	0.00
73) Anthracene-d10	17.324	188	862189	21.767	ng/u1	0.00
81) Pyrene-d10	19.621	212	1060554	22.258	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.310	264	1021669	21.191	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.335	88	22085	8.350	ng/uL	94
5) Pyridine	3.728	79	142910	19.724	ng/u1	98
6) Benzaldehyde	6.977	77	121813	25.143	ng/u1	84
8) Phenol	7.036	94	180924	18.939	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.259	93	126659	19.495	ng/u1	98
12) 2-Chlorophenol	7.406	128	128629	21.134	ng/u1	95
13) 2-Methylphenol	8.282	108	137950	19.769	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.352	45	167360	20.380	ng/u1	99
16) Acetophenone	8.652	105	230042	19.229	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.634	70	125062	17.922	ng/u1	98
18) 4-Methylphenol	8.611	108	150705	18.993	ng/u1	95
19) Hexachloroethane	8.910	117	51969	21.071	ng/u1	95
22) Nitrobenzene	9.034	77	188381	19.580	ng/u1	97
23) Isophorone	9.551	82	366632	18.055	ng/u1	98
25) 2-Nitrophenol	9.739	139	86480	21.693	ng/u1	97
26) 2,4-Dimethylphenol	9.809	107	181204	20.838	ng/u1#	89
27) Bis(2-Chloroethoxy)met...	10.039	93	194830	19.903	ng/u1#	93
29) 2,4-Dichlorophenol	10.279	162	159404	21.365	ng/u1	97
30) Naphthalene	10.679	128	482394	21.242	ng/u1	99
32) 4-Chloroaniline	10.785	127	193093	19.572	ng/u1	97
33) Hexachlorobutadiene	10.967	225	151685	21.242	ng/u1	98
34) Caprolactam	11.543	113	49034m	15.812	ng/u1	
35) 4-Chloro-3-methylphenol	11.919	107	176638	19.730	ng/u1	97
36) 2-Methylnaphthalene	12.289	142	365903	20.329	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.506	142	376025	20.090	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.665	216	297549	22.269	ng/ul	99
40) Hexachlorocyclopentadiene	12.641	237	127249	17.441	ng/ul#	98
41) 2,4,6-Trichlorophenol	12.906	196	160315	22.228	ng/ul	89
42) 2,4,5-Trichlorophenol	12.982	196	170438	21.792	ng/ul	89
43) 1,1'-Biphenyl	13.305	154	527973	21.976	ng/ul	98
44) 2-Chloronaphthalene	13.346	162	404864	21.646	ng/ul	98
45) 2-Nitroaniline	13.552	65	130228	20.411	ng/ul	92
47) Dimethylphthalate	13.928	163	523983	18.406	ng/ul	99
48) 2,6-Dinitrotoluene	14.052	165	110710	20.323	ng/ul	96
50) Acenaphthylene	14.198	152	616383	21.293	ng/ul	98
51) 3-Nitroaniline	14.381	138	106192	22.333	ng/ul	99
52) Acenaphthene	14.539	153	453912	21.909	ng/ul	99
53) 2,4-Dinitrophenol	14.592	184	58651	16.330	ng/ul	95
55) 4-Nitrophenol	14.698	109	90102	17.054	ng/ul	90
56) Dibenzofuran	14.874	168	663266	20.913	ng/ul	98
57) 2,4-Dinitrotoluene	14.845	165	161187	18.708	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.109	232	168582	20.813	ng/ul	97
59) Diethylphthalate	15.297	149	521995	17.885	ng/ul	98
61) Fluorene	15.526	166	547592	20.400	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.520	204	350303	20.306	ng/ul	96
63) 4-Nitroaniline	15.544	138	100420	20.866	ng/ul	88
66) 4,6-Dinitro-2-methylph...	15.609	198	121642	20.237	ng/ul#	99
67) N-Nitrosodiphenylamine	15.732	169	456511	22.204	ng/ul	97
68) 4-Bromophenyl-phenylether	16.413	248	239356	22.719	ng/ul	95
69) Hexachlorobenzene	16.537	284	248082	22.103	ng/ul	96
70) Atrazine	16.684	200	225201	20.023	ng/ul	94
71) Pentachlorophenol	16.883	266	115263	20.484	ng/ul	95
72) Phenanthrene	17.271	178	930095	22.089	ng/ul	97
74) Anthracene	17.359	178	949068	22.002	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.270	216	303199	25.442	ng/ul	99
76) Pentachlorobenzene	14.798	250	292860	23.044	ng/ul	95
77) Carbazole	17.630	167	785699	21.939	ng/ul	99
78) Di-n-butylphthalate	18.194	149	865313	21.241	ng/ul	98
80) Fluoranthene	19.287	202	1181674	22.944	ng/ul	99
82) Pyrene	19.651	202	1234662	22.617	ng/ul	98
83) Butylbenzylphthalate	20.550	149	369245	23.144	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.384	252	467182	22.862	ng/ul	98
85) Benzo(a)anthracene	21.460	228	1292524	21.502	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.378	149	540810	23.272	ng/ul	98
87) Chrysene	21.525	228	1221400	21.793	ng/ul	97
89) Di-n-octyl phthalate	22.524	149	933981	23.734	ng/ul	100
90) Benzo(b)fluoranthene	23.558	252	1293267	21.525	ng/ul	100
91) Benzo(k)fluoranthene	23.617	252	1301093m	21.742	ng/ul	
93) Benzo(a)pyrene	24.375	252	1187364	21.365	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.941	276	1444303	21.187	ng/ul	94
95) Dibenzo(a,h)anthracene	27.988	278	1178791	21.210	ng/ul#	97
96) Benzo(g,h,i)perylene	29.010	276	1106054m	21.400	ng/ul	

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

