

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071724\
 Data File : BG062131.D
 Acq On : 18 Jul 2024 4:04
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020578

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024

Quant Time: Jul 18 05:24:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 16 12:23:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.042	152	25738	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.856	136	123920	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.675	164	95829	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.419	188	230888	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.685	240	205315	20.000	ng/u1	# 0.00
88) Perylene-d12	24.899	264	236931	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.441	96	4074	5.948	ng/uL	0.00
4) Pyridine-d5	3.859	84	33229	15.778	ng/u1	0.00
7) Phenol-d5	7.219	99	51758	18.376	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.366	67	25223	14.141	ng/u1	0.00
11) 2-Chlorophenol-d4	7.578	132	37623	19.473	ng/u1	0.00
15) 4-Methylphenol-d8	8.765	113	39693	17.898	ng/u1	0.00
21) Nitrobenzene-d5	9.211	128	20471	21.721	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.934	143	26605	24.720	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.486	165	48703	23.461	ng/u1	0.00
31) 4-Chloroaniline-d4	10.997	131	60550	20.090	ng/u1	0.00
46) Dimethylphthalate-d6	14.076	166	149631	18.992	ng/u1	0.00
49) Acenaphthylene-d8	14.370	160	161927	19.656	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.910	143	20107	15.981	ng/u1	0.00
60) Fluorene-d10	15.668	176	133869	20.184	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.792	200	25289	20.855	ng/u1	0.00
73) Anthracene-d10	17.519	188	220396	20.445	ng/u1	0.00
81) Pyrene-d10	19.805	212	250621	20.753	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.675	264	250899	21.352	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.471	88	4747	6.279	ng/uL#	71
5) Pyridine	3.876	79	31391	14.534	ng/u1#	87
6) Benzaldehyde	7.178	77	30246	20.289	ng/u1	96
8) Phenol	7.249	94	51649	17.910	ng/u1#	75
10) Bis(2-Chloroethyl)ether	7.460	93	34808	15.712	ng/u1	91
12) 2-Chlorophenol	7.607	128	39855	20.247	ng/u1#	95
13) 2-Methylphenol	8.500	108	39237	19.063	ng/u1	89
14) 2,2'-oxybis(1-Chloropr...	8.565	45	62365	12.886	ng/u1#	89
16) Acetophenone	8.870	105	67057	18.305	ng/u1#	92
17) N-Nitroso-di-n-propyla...	8.847	70	32069	15.637	ng/u1#	69
18) 4-Methylphenol	8.835	108	42764	18.553	ng/u1	84
19) Hexachloroethane	9.117	117	16322	19.115	ng/u1	96
22) Nitrobenzene	9.252	77	53476	19.989	ng/u1	98
23) Isophorone	9.775	82	102539	16.966	ng/u1#	95
25) 2-Nitrophenol	9.969	139	23225m	21.160	ng/u1	
26) 2,4-Dimethylphenol	10.034	107	53380	20.321	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.257	93	51576	15.496	ng/u1#	94
29) 2,4-Dichlorophenol	10.515	162	43358	22.235	ng/u1	97
30) Naphthalene	10.903	128	140536	20.646	ng/u1	97
32) 4-Chloroaniline	11.021	127	59501	20.120	ng/u1	97
33) Hexachlorobutadiene	11.174	225	35742	24.357	ng/u1#	81
34) Caprolactam	11.790	113	14269m	18.677	ng/u1	
35) 4-Chloro-3-methylphenol	12.155	107	55523	21.379	ng/u1	92
36) 2-Methylnaphthalene	12.507	142	103847	21.058	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.725	142	105070	20.502	ng/ul#	95
39) 1,2,4,5-Tetrachloroben...	12.872	216	62433	21.695	ng/ul	97
40) Hexachlorocyclopentadiene	12.842	237	38284	19.984	ng/ul	95
41) 2,4,6-Trichlorophenol	13.118	196	39399	20.613	ng/ul	90
42) 2,4,5-Trichlorophenol	13.201	196	43724	20.824	ng/ul	89
43) 1,1'-Biphenyl	13.512	154	141827	19.208	ng/ul#	96
44) 2-Chloronaphthalene	13.553	162	111440	20.110	ng/ul	92
45) 2-Nitroaniline	13.765	65	47100	21.225	ng/ul	94
47) Dimethylphthalate	14.123	163	143607	18.951	ng/ul	99
48) 2,6-Dinitrotoluene	14.252	165	29402	20.453	ng/ul	85
50) Acenaphthylene	14.399	152	171722	18.993	ng/ul	96
51) 3-Nitroaniline	14.587	138	29418	21.023	ng/ul#	98
52) Acenaphthene	14.740	153	120553	19.309	ng/ul	93
53) 2,4-Dinitrophenol	14.799	184	9037	12.032	ng/ul#	79
55) 4-Nitrophenol	14.922	109	33374	23.242	ng/ul#	64
56) Dibenzofuran	15.075	168	174272	19.750	ng/ul	88
57) 2,4-Dinitrotoluene	15.045	165	47671	22.612	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.304	232	37616	19.840	ng/ul#	89
59) Diethylphthalate	15.480	149	149112	18.260	ng/ul	98
61) Fluorene	15.721	166	150312	20.031	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.709	204	80920	21.468	ng/ul	99
63) 4-Nitroaniline	15.751	138	31274m	22.025	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.803	198	25787	19.760	ng/ul#	86
67) N-Nitrosodiphenylamine	15.927	169	124064	19.676	ng/ul	95
68) 4-Bromophenyl-phenylether	16.602	248	57108	21.802	ng/ul#	89
69) Hexachlorobenzene	16.720	284	67611	22.447	ng/ul	97
70) Atrazine	16.873	200	54753	21.997	ng/ul	92
71) Pentachlorophenol	17.078	266	16653m	10.059	ng/ul	
72) Phenanthrene	17.466	178	245137	20.136	ng/ul	98
74) Anthracene	17.554	178	254652	20.240	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.477	216	61617	21.487	ng/ul	95
76) Pentachlorobenzene	14.993	250	74390	22.744	ng/ul	98
77) Carbazole	17.830	167	220768	20.850	ng/ul	98
78) Di-n-butylphthalate	18.371	149	258655	19.027	ng/ul	99
80) Fluoranthene	19.470	202	291036	20.364	ng/ul#	87
82) Pyrene	19.834	202	301069	20.394	ng/ul#	84
83) Butylbenzylphthalate	20.704	149	114965	18.555	ng/ul#	91
84) 3,3'-Dichlorobenzidine	21.579	252	117011	23.956	ng/ul	96
85) Benzo(a)anthracene	21.661	228	308382	20.745	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.550	149	157218	17.684	ng/ul#	97
87) Chrysene	21.732	228	275290	19.782	ng/ul	98
89) Di-n-octyl phthalate	22.754	149	268205	18.529	ng/ul	100
90) Benzo(b)fluoranthene	23.876	252	309205	20.714	ng/ul#	97
91) Benzo(k)fluoranthene	23.941	252	310371	20.850	ng/ul#	94
93) Benzo(a)pyrene	24.752	252	293782	20.783	ng/ul#	91
94) Indeno(1,2,3-cd)pyrene	28.571	276	388054m	21.482	ng/ul	
95) Dibenzo(a,h)anthracene	28.635	278	323037	21.653	ng/ul#	96
96) Benzo(g,h,i)perylene	29.728	276	307421	21.392	ng/ul#	93

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

