

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091324\
 Data File : BG062879.D
 Acq On : 16 Sep 2024 13:47
 Operator : JU/RC
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020494

Quant Time: Sep 17 00:15:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 10 01:28:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/17/2024
 Supervised By :mohammad ahmed 09/17/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.900	152	38481	20.000	ng/u1	0.00
20) Naphthalene-d8	10.690	136	155741	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.527	164	130811	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.277	188	357206	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.525	240	407448	20.000	ng/u1	# 0.00
88) Perylene-d12	24.586	264	458260	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.364	96	6241	7.331	ng/uL	0.00
4) Pyridine-d5	3.769	84	47139	17.396	ng/u1	0.00
7) Phenol-d5	7.071	99	56682	16.798	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.230	67	30788	15.219	ng/u1	0.00
11) 2-Chlorophenol-d4	7.435	132	46567	18.946	ng/u1	0.00
15) 4-Methylphenol-d8	8.605	113	50359	17.909	ng/u1	0.00
21) Nitrobenzene-d5	9.057	128	24303	21.834	ng/u1	0.00
24) 2-Nitrophenol-d4	9.774	143	27201	22.345	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.314	165	59613	22.486	ng/u1	0.00
31) 4-Chloroaniline-d4	10.826	131	67738	18.588	ng/u1	0.00
46) Dimethylphthalate-d6	13.934	166	194486	19.307	ng/u1	0.00
49) Acenaphthylene-d8	14.222	160	216768	19.376	ng/u1	0.00
54) 4-Nitrophenol-d4	14.733	143	28834	16.850	ng/u1	0.00
60) Fluorene-d10	15.520	176	178191	19.630	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.638	200	40124	19.528	ng/u1	0.00
73) Anthracene-d10	17.371	188	327605	19.433	ng/u1	0.00
81) Pyrene-d10	19.662	212	430123	18.760	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.374	264	473161	19.554	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.393	88	7095	7.436	ng/uL	96
5) Pyridine	3.787	79	49403	17.382	ng/u1	94
6) Benzaldehyde	7.042	77	38583m	20.797	ng/u1	
8) Phenol	7.095	94	58984	16.816	ng/u1#	91
10) Bis(2-Chloroethyl)ether	7.324	93	40948	15.443	ng/u1	96
12) 2-Chlorophenol	7.465	128	47495	18.899	ng/u1	95
13) 2-Methylphenol	8.340	108	47947	18.229	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.417	45	71439	14.968	ng/u1	96
16) Acetophenone	8.716	105	81363	17.803	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.699	70	40463	16.913	ng/u1	98
18) 4-Methylphenol	8.669	108	52003	17.573	ng/u1	96
19) Hexachloroethane	8.975	117	22324	22.066	ng/u1	93
22) Nitrobenzene	9.098	77	62444	20.737	ng/u1	96
23) Isophorone	9.621	82	110492	17.947	ng/u1#	97
25) 2-Nitrophenol	9.803	139	29297	21.836	ng/u1#	87
26) 2,4-Dimethylphenol	9.868	107	58595	20.438	ng/u1	87
27) Bis(2-Chloroethoxy)met...	10.097	93	57710	16.773	ng/u1	98
29) 2,4-Dichlorophenol	10.344	162	57001	21.830	ng/u1	96
30) Naphthalene	10.743	128	160167	19.180	ng/u1	98
32) 4-Chloroaniline	10.849	127	65707	18.130	ng/u1	96
33) Hexachlorobutadiene	11.031	225	59912	27.543	ng/u1	93
34) Caprolactam	11.601	113	16782m	17.438	ng/u1	
35) 4-Chloro-3-methylphenol	11.977	107	60864	21.368	ng/u1	94
36) 2-Methylnaphthalene	12.347	142	125496	20.363	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.571	142	126282	20.004	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.723	216	108828	24.200	ng/ul#	94
40) Hexachlorocyclopentadiene	12.700	237	55467	24.105	ng/ul	96
41) 2,4,6-Trichlorophenol	12.958	196	63808	23.425	ng/ul	100
42) 2,4,5-Trichlorophenol	13.035	196	68656	23.475	ng/ul	92
43) 1,1'-Biphenyl	13.358	154	179762	19.542	ng/ul	99
44) 2-Chloronaphthalene	13.405	162	147276	19.689	ng/ul	97
45) 2-Nitroaniline	13.605	65	43212	21.053	ng/ul	93
47) Dimethylphthalate	13.981	163	197319	19.021	ng/ul	99
48) 2,6-Dinitrotoluene	14.098	165	40175	21.982	ng/ul	99
50) Acenaphthylene	14.251	152	226189	19.150	ng/ul	99
51) 3-Nitroaniline	14.427	138	35712	19.517	ng/ul#	91
52) Acenaphthene	14.592	153	160233	19.152	ng/ul	98
53) 2,4-Dinitrophenol	14.639	184	20382	16.889	ng/ul	90
55) 4-Nitrophenol	14.750	109	33217	21.595	ng/ul#	77
56) Dibenzofuran	14.927	168	238341	19.177	ng/ul	97
57) 2,4-Dinitrotoluene	14.891	165	59940	20.976	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.156	232	70528	23.796	ng/ul#	94
59) Diethylphthalate	15.350	149	193839	18.941	ng/ul	99
61) Fluorene	15.579	166	191945	19.659	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.567	204	126217	22.038	ng/ul	98
63) 4-Nitroaniline	15.591	138	37717	19.155	ng/ul#	79
66) 4,6-Dinitro-2-methylph...	15.655	198	40792	19.152	ng/ul#	93
67) N-Nitrosodiphenylamine	15.784	169	171452	18.715	ng/ul	97
68) 4-Bromophenyl-phenylether	16.466	248	91853	22.346	ng/ul	93
69) Hexachlorobenzene	16.584	284	106581	22.710	ng/ul	96
70) Atrazine	16.730	200	85602	20.980	ng/ul	96
71) Pentachlorophenol	16.930	266	56340	20.070	ng/ul	95
72) Phenanthrene	17.318	178	355719	19.150	ng/ul	99
74) Anthracene	17.406	178	361443	19.086	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.329	216	111829	22.925	ng/ul	94
76) Pentachlorobenzene	14.850	250	122929	22.741	ng/ul	97
77) Carbazole	17.676	167	292654	18.636	ng/ul	97
78) Di-n-butylphthalate	18.235	149	345537	18.605	ng/ul#	98
80) Fluoranthene	19.327	202	463226	18.242	ng/ul#	94
82) Pyrene	19.692	202	493985	18.072	ng/ul#	93
83) Butylbenzylphthalate	20.585	149	156821	19.326	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.419	252	190881	22.252	ng/ul	99
85) Benzo(a)anthracene	21.501	228	545334	19.244	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.419	149	221246	18.517	ng/ul#	98
87) Chrysene	21.566	228	510822	19.001	ng/ul	98
89) Di-n-octyl phthalate	22.571	149	373036	17.500	ng/ul	100
90) Benzo(b)fluoranthene	23.616	252	541167	19.127	ng/ul#	96
91) Benzo(k)fluoranthene	23.681	252	544857	18.807	ng/ul#	97
93) Benzo(a)pyrene	24.439	252	507007	18.999	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.041	276	666622	20.274	ng/ul#	95
95) Dibenzo(a,h)anthracene	28.099	278	538549m	20.392	ng/ul	
96) Benzo(g,h,i)perylene	29.122	276	502236	19.778	ng/ul#	94

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