

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG073124\
 Data File : BG062216.D
 Acq On : 31 Jul 2024 12:31
 Operator : MA/JU
 Sample : SSTD02036
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020420

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/03/2024
 Supervised By :mohammad ahmed 08/03/2024

Quant Time: Aug 01 03:44:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG073124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 31 16:23:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	37101	20.000	ng/u1	0.00
20) Naphthalene-d8	10.774	136	176119	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.599	164	137084	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.342	188	323818	20.000	ng/u1	0.00
79) Chrysene-d12	21.589	240	322775	20.000	ng/u1	0.00
88) Perylene-d12	24.703	264	352639	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.437	96	5889	6.755	ng/uL	0.00
4) Pyridine-d5	3.843	84	46690	17.538	ng/u1	0.00
7) Phenol-d5	7.126	99	67518	19.016	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.308	67	43035	19.653	ng/u1	0.00
11) 2-Chlorophenol-d4	7.508	132	48727	20.403	ng/u1	0.00
15) 4-Methylphenol-d8	8.671	113	56235	19.030	ng/u1	0.00
21) Nitrobenzene-d5	9.135	128	14086	19.283	ng/u1	0.00
24) 2-Nitrophenol-d4	9.858	143	12625	18.448	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.392	165	53135	20.736	ng/u1	0.00
31) 4-Chloroaniline-d4	10.904	131	85772	19.784	ng/u1	0.00
46) Dimethylphthalate-d6	14.011	166	204010	19.748	ng/u1	0.00
49) Acenaphthylene-d8	14.293	160	226838	19.890	ng/u1	0.00
54) 4-Nitrophenol-d4	14.775	143	20803	16.778	ng/u1	0.00
60) Fluorene-d10	15.591	176	181295	19.750	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.697	200	10722	13.968	ng/u1	0.00
73) Anthracene-d10	17.442	188	298615	20.011	ng/u1	0.00
81) Pyrene-d10	19.721	212	363998	20.150	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.491	264	345608	20.047	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.472	88	7569	7.039	ng/uL	100
5) Pyridine	3.860	79	51071	17.991	ng/u1	100
6) Benzaldehyde	7.115	77	46006	24.005	ng/u1	100
8) Phenol	7.156	94	71500	19.523	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.402	93	54603	19.760	ng/u1	100
12) 2-Chlorophenol	7.543	128	49813	20.079	ng/u1	100
13) 2-Methylphenol	8.413	108	54179	19.163	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.507	45	115218	19.595	ng/u1	100
16) Acetophenone	8.795	105	96067	20.017	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.783	70	51408	19.444	ng/u1	100
18) 4-Methylphenol	8.736	108	60140	19.312	ng/u1	100
19) Hexachloroethane	9.065	117	18756	18.992	ng/u1	100
22) Nitrobenzene	9.176	77	42577	19.457	ng/u1	100
23) Isophorone	9.699	82	150593	19.366	ng/u1	100
25) 2-Nitrophenol	9.887	139	15087	19.031	ng/u1	100
26) 2,4-Dimethylphenol	9.940	107	67896	19.654	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.187	93	82072	19.502	ng/u1	100
29) 2,4-Dichlorophenol	10.416	162	51225	20.031	ng/u1	100
30) Naphthalene	10.827	128	192075	19.625	ng/u1	100
32) 4-Chloroaniline	10.927	127	83834	20.126	ng/u1	100
33) Hexachlorobutadiene	11.121	225	39509	19.516	ng/u1	100
34) Caprolactam	11.667	113	20991m	19.267	ng/u1	100
35) 4-Chloro-3-methylphenol	12.037	107	66070	19.871	ng/u1	100
36) 2-Methylnaphthalene	12.431	142	134879	19.498	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.648	142	140428	19.696	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.795	216	79350	19.559	ng/ul	100
40) Hexachlorocyclopentadiene	12.783	237	38447	18.249	ng/ul	100
41) 2,4,6-Trichlorophenol	13.030	196	41248	20.575	ng/ul	100
42) 2,4,5-Trichlorophenol	13.095	196	47182	20.813	ng/ul	100
43) 1,1'-Biphenyl	13.441	154	195835	19.804	ng/ul	100
44) 2-Chloronaphthalene	13.477	162	153011	19.730	ng/ul	100
45) 2-Nitroaniline	13.670	65	25569	18.647	ng/ul	100
47) Dimethylphthalate	14.058	163	209961	19.586	ng/ul	100
48) 2,6-Dinitrotoluene	14.170	165	18808	18.624	ng/ul	100
50) Acenaphthylene	14.322	152	252790	19.646	ng/ul	100
51) 3-Nitroaniline	14.487	138	22148	17.594	ng/ul	100
52) Acenaphthene	14.663	153	177273	19.494	ng/ul	100
53) 2,4-Dinitrophenol	14.693	184	6246	11.805	ng/ul	100
55) 4-Nitrophenol	14.787	109	21313	17.774	ng/ul	100
56) Dibenzofuran	14.998	168	244108	19.373	ng/ul	100
57) 2,4-Dinitrotoluene	14.951	165	25648	18.590	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.221	232	43858	20.326	ng/ul	100
59) Diethylphthalate	15.427	149	211402	19.235	ng/ul	100
61) Fluorene	15.650	166	200643	19.777	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.644	204	102717	20.003	ng/ul	100
63) 4-Nitroaniline	15.650	138	26265	18.767	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.709	198	11526	13.408	ng/ul	100
67) N-Nitrosodiphenylamine	15.856	169	177966	19.750	ng/ul	100
68) 4-Bromophenyl-phenylether	16.537	248	68472	19.743	ng/ul	100
69) Hexachlorobenzene	16.649	284	73774	19.677	ng/ul	100
70) Atrazine	16.801	200	70386	20.298	ng/ul	100
71) Pentachlorophenol	16.984	266	34517m	14.526	ng/ul	
72) Phenanthrene	17.383	178	346913	19.856	ng/ul	100
74) Anthracene	17.477	178	360297	19.922	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.400	216	81123	20.310	ng/ul	100
76) Pentachlorobenzene	14.916	250	85020	20.129	ng/ul	100
77) Carbazole	17.735	167	304884	20.542	ng/ul	100
78) Di-n-butylphthalate	18.323	149	367922	19.989	ng/ul	100
80) Fluoranthene	19.386	202	421658	19.931	ng/ul	100
82) Pyrene	19.750	202	439619	19.934	ng/ul	100
83) Butylbenzylphthalate	20.655	149	151438	20.463	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.489	252	149896	21.359	ng/ul	100
85) Benzo(a)anthracene	21.571	228	448232	19.543	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.524	149	234510	20.272	ng/ul	100
87) Chrysene	21.636	228	424107	19.786	ng/ul	100
89) Di-n-octyl phthalate	22.717	149	393192	19.860	ng/ul	100
90) Benzo(b)fluoranthene	23.721	252	435651	19.858	ng/ul	100
91) Benzo(k)fluoranthene	23.786	252	429032	19.672	ng/ul	100
93) Benzo(a)pyrene	24.562	252	411358	19.826	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.221	276	477170	19.560	ng/ul	100
95) Dibenzo(a,h)anthracene	28.298	278	401068	19.608	ng/ul	100
96) Benzo(g,h,i)perylene	29.320	276	382318m	19.527	ng/ul	

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

