

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092723\
 Data File : BG059219.D
 Acq On : 27 Sep 2023 20:15
 Operator : MA/JU
 Sample : SSTD02033
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020437

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/28/2023
 Supervised By :mohammad ahmed 09/29/2023

Quant Time: Sep 28 03:56:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 03:42:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.231	152	43994	20.000	ng/u1	0.00
20) Naphthalene-d8	11.075	136	219323	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.870	164	131941	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.620	188	303938	20.000	ng/u1	0.00
79) Chrysene-d12	21.921	240	278544	20.000	ng/u1	0.00
88) Perylene-d12	25.411	264	327186	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.525	96	9744	8.590	ng/uL	0.00
4) Pyridine-d5	3.966	84	67912	20.234	ng/u1	0.00
7) Phenol-d5	7.362	99	89621	20.700	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.555	67	60328	22.556	ng/u1	0.00
11) 2-Chlorophenol-d4	7.749	132	61803	19.715	ng/u1	0.00
15) 4-Methylphenol-d8	8.930	113	70079	20.489	ng/u1	0.00
21) Nitrobenzene-d5	9.436	128	31275	19.071	ng/u1	0.00
24) 2-Nitrophenol-d4	10.152	143	31327	18.840	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.675	165	65910	20.579	ng/u1	0.00
31) 4-Chloroaniline-d4	11.222	131	100635	20.132	ng/u1	0.00
46) Dimethylphthalate-d6	14.265	166	205269	20.542	ng/u1	0.00
49) Acenaphthylene-d8	14.571	160	257790	20.990	ng/u1	0.00
54) 4-Nitrophenol-d4	15.058	143	34096	18.851	ng/u1	0.00
60) Fluorene-d10	15.858	176	191268	20.801	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.963	200	30136	17.752	ng/u1	0.00
73) Anthracene-d10	17.720	188	285935	20.884	ng/u1	0.00
81) Pyrene-d10	19.994	212	327556	20.440	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.164	264	331570	20.959	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.566	88	10733	8.256	ng/uL	100
5) Pyridine	3.989	79	68839	20.529	ng/u1	100
6) Benzaldehyde	7.379	77	51318	23.308	ng/u1	100
8) Phenol	7.385	94	89246	20.207	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.649	93	73870	20.840	ng/u1	100
12) 2-Chlorophenol	7.785	128	67050	20.878	ng/u1	100
13) 2-Methylphenol	8.660	108	68400	20.832	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.742	45	169073	22.518	ng/u1	100
16) Acetophenone	9.077	105	111182	21.008	ng/u1	100
17) N-Nitroso-di-n-propyla...	9.036	70	56850	21.152	ng/u1	100
18) 4-Methylphenol	8.995	108	71833	20.409	ng/u1	100
19) Hexachloroethane	9.318	117	24933	19.714	ng/u1	100
22) Nitrobenzene	9.477	77	79467	20.790	ng/u1	100
23) Isophorone	9.982	82	170207	20.892	ng/u1	100
25) 2-Nitrophenol	10.182	139	34519	18.633	ng/u1	100
26) 2,4-Dimethylphenol	10.211	107	76109	21.160	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.464	93	110058	21.432	ng/u1	100
29) 2,4-Dichlorophenol	10.705	162	67150	20.728	ng/u1	100
30) Naphthalene	11.128	128	246005	21.087	ng/u1	100
32) 4-Chloroaniline	11.245	127	99368	20.166	ng/u1	100
33) Hexachlorobutadiene	11.357	225	43030	20.689	ng/u1	100
34) Caprolactam	12.027	113	22351m	19.501	ng/u1	100
35) 4-Chloro-3-methylphenol	12.326	107	70875	20.629	ng/u1	100
36) 2-Methylnaphthalene	12.714	142	161415	20.714	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.932	142	168136	21.288	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	13.055	216	84366	21.928	ng/ul	100
40) Hexachlorocyclopentadiene	13.008	237	49896	20.211	ng/ul	100
41) 2,4,6-Trichlorophenol	13.302	196	52687	21.046	ng/ul	100
42) 2,4,5-Trichlorophenol	13.372	196	55844	20.640	ng/ul	100
43) 1,1'-Biphenyl	13.707	154	231332	21.901	ng/ul	100
44) 2-Chloronaphthalene	13.760	162	172576	21.506	ng/ul	100
45) 2-Nitroaniline	13.977	65	49109	19.753	ng/ul	100
47) Dimethylphthalate	14.312	163	208774	20.422	ng/ul	100
48) 2,6-Dinitrotoluene	14.453	165	35580	19.447	ng/ul	100
50) Acenaphthylene	14.600	152	277676	21.104	ng/ul	100
51) 3-Nitroaniline	14.794	138	38293	18.881	ng/ul	100
52) Acenaphthene	14.935	153	186598	20.921	ng/ul	100
53) 2,4-Dinitrophenol	14.988	184	15971	14.489	ng/ul	100
55) 4-Nitrophenol	15.070	109	24393	20.109	ng/ul	100
56) Dibenzofuran	15.264	168	251241	21.208	ng/ul	100
57) 2,4-Dinitrotoluene	15.235	165	52586	19.698	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.476	232	49094	19.849	ng/ul	100
59) Diethylphthalate	15.658	149	200848	20.092	ng/ul	100
61) Fluorene	15.910	166	207189	20.728	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.893	204	104068	20.836	ng/ul	100
63) 4-Nitroaniline	15.957	138	38710m	20.147	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.981	198	31146	17.255	ng/ul	100
67) N-Nitrosodiphenylamine	16.116	169	170826	21.173	ng/ul	100
68) 4-Bromophenyl-phenylether	16.792	248	61129	20.923	ng/ul	100
69) Hexachlorobenzene	16.886	284	68908	20.578	ng/ul	100
70) Atrazine	17.050	200	64587	20.767	ng/ul	100
71) Pentachlorophenol	17.238	266	38142	17.927	ng/ul	100
72) Phenanthrene	17.661	178	346527	20.597	ng/ul	100
74) Anthracene	17.755	178	362808	21.072	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.666	216	84917	21.125	ng/uL	100
76) Pentachlorobenzene	15.158	250	83113	22.065	ng/uL	100
77) Carbazole	18.031	167	291979	20.533	ng/ul	100
78) Di-n-butylphthalate	18.537	149	351254	20.174	ng/ul	100
80) Fluoranthene	19.659	202	403304	20.198	ng/ul	100
82) Pyrene	20.023	202	427565	20.443	ng/ul	100
83) Butylbenzylphthalate	20.875	149	149154	19.840	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.815	252	143282	21.583	ng/ul	100
85) Benzo(a)anthracene	21.903	228	409847	20.440	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.739	149	231688	20.462	ng/ul	100
87) Chrysene	21.974	228	382219	20.525	ng/ul	100
89) Di-n-octyl phthalate	23.031	149	387762	19.794	ng/ul	100
90) Benzo(b)fluoranthene	24.283	252	424798	21.477	ng/ul	100
91) Benzo(k)fluoranthene	24.359	252	420419	20.573	ng/ul	100
93) Benzo(a)pyrene	25.241	252	395736	20.899	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	29.436	276	454447m	20.986	ng/ul	
95) Dibenzo(a,h)anthracene	29.512	278	364882	20.952	ng/ul	100
96) Benzo(g,h,i)perylene	30.711	276	363351m	20.871	ng/ul	

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

