

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060624\
 Data File : BG061514.D
 Acq On : 6 Jun 2024 17:42
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020520

Quant Time: Jun 06 23:27:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.883	152	41137	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	152074	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.510	164	108366	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.260	188	248410	20.000	ng/u1	0.00
79) Chrysene-d12	21.520	240	270419	20.000	ng/u1	0.00
88) Perylene-d12	24.610	264	308908	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.364	96	6115	8.319	ng/uL	0.00
4) Pyridine-d5	3.770	84	45163m	17.270	ng/u1	0.00
7) Phenol-d5	7.072	99	58470	17.308	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.213	67	37272	17.553	ng/u1	0.00
11) 2-Chlorophenol-d4	7.418	132	48759	19.503	ng/u1	0.00
15) 4-Methylphenol-d8	8.599	113	48688	16.902	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	24310	20.762	ng/u1	0.00
24) 2-Nitrophenol-d4	9.757	143	28773	20.997	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	57109	21.378	ng/u1	0.00
31) 4-Chloroaniline-d4	10.809	131	62718	17.945	ng/u1	0.00
46) Dimethylphthalate-d6	13.917	166	161540	19.220	ng/u1	0.00
49) Acenaphthylene-d8	14.205	160	178343	20.411	ng/u1	0.00
54) 4-Nitrophenol-d4	14.757	143	16156	15.548	ng/u1	0.00
60) Fluorene-d10	15.503	176	144927	19.973	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.656	200	26627	17.723	ng/u1	0.00
73) Anthracene-d10	17.360	188	229704	20.974	ng/u1	0.00
81) Pyrene-d10	19.657	212	278474	20.056	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.398	264	305684	20.583	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.394	88	7004m	7.939	ng/uL	
5) Pyridine	3.793	79	41564	16.069	ng/u1	97
6) Benzaldehyde	7.025	77	29098	16.473	ng/u1	92
8) Phenol	7.101	94	60468	17.568	ng/u1#	85
10) Bis(2-Chloroethyl)ether	7.301	93	45659	18.135	ng/u1	90
12) 2-Chlorophenol	7.454	128	50560	19.136	ng/u1	98
13) 2-Methylphenol	8.335	108	45219	16.951	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.405	45	100004	14.708	ng/u1#	94
16) Acetophenone	8.699	105	82030	16.686	ng/u1	88
17) N-Nitroso-di-n-propyla...	8.682	70	40072	14.825	ng/u1#	79
18) 4-Methylphenol	8.664	108	49532	16.759	ng/u1	100
19) Hexachloroethane	8.952	117	23313	19.831	ng/u1	83
22) Nitrobenzene	9.081	77	62791	19.553	ng/u1	98
23) Isophorone	9.598	82	109223	16.720	ng/u1	99
25) 2-Nitrophenol	9.792	139	30403	20.441	ng/u1	95
26) 2,4-Dimethylphenol	9.857	107	57283	19.437	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.080	93	63119	19.275	ng/u1#	95
29) 2,4-Dichlorophenol	10.333	162	52729	21.430	ng/u1	96
30) Naphthalene	10.720	128	163711	20.396	ng/u1	99
32) 4-Chloroaniline	10.832	127	61742	17.777	ng/u1	99
33) Hexachlorobutadiene	11.002	225	57279	23.816	ng/u1	94
34) Caprolactam	11.590	113	16030m	17.029	ng/u1	
35) 4-Chloro-3-methylphenol	11.978	107	54692	17.195	ng/u1	94
36) 2-Methylnaphthalene	12.330	142	109622	18.832	ng/u1	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.548	142	111983	18.746	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.700	216	89684	25.067	ng/ul	99
40) Hexachlorocyclopentadiene	12.677	237	30283	18.752	ng/ul	90
41) 2,4,6-Trichlorophenol	12.953	196	47583	23.612	ng/ul	95
42) 2,4,5-Trichlorophenol	13.041	196	48345	22.781	ng/ul	96
43) 1,1'-Biphenyl	13.341	154	154578	22.060	ng/ul	96
44) 2-Chloronaphthalene	13.388	162	121806	22.089	ng/ul	100
45) 2-Nitroaniline	13.594	65	41984	18.447	ng/ul	99
47) Dimethylphthalate	13.964	163	167379	19.107	ng/ul	99
48) 2,6-Dinitrotoluene	14.093	165	34232	19.927	ng/ul	98
50) Acenaphthylene	14.234	152	198198	20.455	ng/ul	100
51) 3-Nitroaniline	14.422	138	28479	19.103	ng/ul	92
52) Acenaphthene	14.575	153	133210	20.958	ng/ul	97
53) 2,4-Dinitrophenol	14.657	184	17105	18.777	ng/ul#	89
55) 4-Nitrophenol	14.769	109	23002	18.828	ng/ul	91
56) Dibenzofuran	14.910	168	182990	20.136	ng/ul	98
57) 2,4-Dinitrotoluene	14.892	165	48976	18.739	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.150	232	39517	20.416	ng/ul	94
59) Diethylphthalate	15.327	149	154138	17.819	ng/ul	98
61) Fluorene	15.562	166	153638	19.539	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.550	204	93490	20.273	ng/ul	98
63) 4-Nitroaniline	15.591	138	29484	18.988	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.668	198	27987	17.775	ng/ul#	91
67) N-Nitrosodiphenylamine	15.767	169	132186	21.172	ng/ul	98
68) 4-Bromophenyl-phenylether	16.449	248	66904	22.731	ng/ul	99
69) Hexachlorobenzene	16.578	284	73927	22.597	ng/ul	92
70) Atrazine	16.719	200	48033	19.440	ng/ul	98
71) Pentachlorophenol	16.931	266	23786m	20.889	ng/ul	
72) Phenanthrene	17.307	178	249417	20.687	ng/ul	100
74) Anthracene	17.395	178	255980	20.534	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.311	216	88139	26.842	ng/uL	95
76) Pentachlorobenzene	14.839	250	87496	24.101	ng/uL	96
77) Carbazole	17.671	167	210039	20.715	ng/ul	99
78) Di-n-butylphthalate	18.223	149	257885	20.298	ng/ul	99
80) Fluoranthene	19.322	202	328724	19.735	ng/ul	99
82) Pyrene	19.686	202	340833	19.713	ng/ul	98
83) Butylbenzylphthalate	20.574	149	116762	19.659	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.414	252	111101	19.356	ng/ul	96
85) Benzo(a)anthracene	21.502	228	380818	20.409	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.408	149	171323	19.487	ng/ul#	99
87) Chrysene	21.567	228	353009	20.547	ng/ul	99
89) Di-n-octyl phthalate	22.565	149	299568	19.384	ng/ul	100
90) Benzo(b)fluoranthene	23.635	252	382393	20.791	ng/ul	99
91) Benzo(k)fluoranthene	23.693	252	372480	19.949	ng/ul	97
93) Benzo(a)pyrene	24.469	252	357720	20.482	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.129	276	428274m	20.278	ng/ul	
95) Dibenzo(a,h)anthracene	28.171	278	359739	20.657	ng/ul	99
96) Benzo(g,h,i)perylene	29.216	276	331091	19.706	ng/ul	97

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

