

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042823\
 Data File : BG057244.D
 Acq On : 29 Apr 2023 10:40
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020467

Quant Time: May 01 00:56:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 28 23:37:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/01/2023
 Supervised By :Jagrut Upadhyay 05/01/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.378	152	16199	20.000	ng/u1	0.00
20) Naphthalene-d8	11.215	136	69243	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.993	164	56379	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.730	188	139137	20.000	ng/u1	0.00
79) Chrysene-d12	22.036	240	123449	20.000	ng/u1	# 0.00
88) Perylene-d12	25.549	264	128021	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.661	96	2958	8.036	ng/uL	0.00
4) Pyridine-d5	4.096	84	23457	20.212	ng/u1	0.00
7) Phenol-d5	7.515	99	32162	20.994	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	18105	20.093	ng/u1	0.00
11) 2-Chlorophenol-d4	7.908	132	21935	21.728	ng/u1	0.00
15) 4-Methylphenol-d8	9.077	113	24613	21.139	ng/u1	0.00
21) Nitrobenzene-d5	9.559	128	11778	21.359	ng/u1	0.00
24) 2-Nitrophenol-d4	10.281	143	14392	22.364	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.828	165	28734	23.143	ng/u1	0.00
31) 4-Chloroaniline-d4	11.345	131	36079	21.925	ng/u1	0.00
46) Dimethylphthalate-d6	14.376	166	92414	20.687	ng/u1	0.00
49) Acenaphthylene-d8	14.687	160	107757	21.462	ng/u1	0.00
54) 4-Nitrophenol-d4	15.175	143	13240m	20.361	ng/u1	0.00
60) Fluorene-d10	15.974	176	90223	21.680	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.085	200	17527	21.261	ng/u1	0.00
73) Anthracene-d10	17.824	188	137220	21.606	ng/u1	0.00
81) Pyrene-d10	20.092	212	157850	21.542	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.308	264	141518	21.697	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.690	88	3189	8.169	ng/uL	89
5) Pyridine	4.119	79	23876	19.517	ng/u1	93
6) Benzaldehyde	7.503	77	9234	19.735	ng/u1	90
8) Phenol	7.538	94	32876	21.292	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.779	93	24326	21.050	ng/u1	95
12) 2-Chlorophenol	7.938	128	23235	21.912	ng/u1	97
13) 2-Methylphenol	8.813	108	24809	20.732	ng/u1	85
14) 2,2'-oxybis(1-Chloropr...	8.889	45	29326	19.683	ng/u1#	95
16) Acetophenone	9.206	105	41584	20.755	ng/u1	92
17) N-Nitroso-di-n-propyla...	9.177	70	23274	20.215	ng/u1	91
18) 4-Methylphenol	9.142	108	27232	21.024	ng/u1	97
19) Hexachloroethane	9.477	117	10151	22.880	ng/u1	99
22) Nitrobenzene	9.600	77	36430	22.186	ng/u1	96
23) Isophorone	10.117	82	64722	20.717	ng/u1	98
25) 2-Nitrophenol	10.317	139	14813	22.726	ng/u1	91
26) 2,4-Dimethylphenol	10.358	107	32650	22.081	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.593	93	33436	20.589	ng/u1	98
29) 2,4-Dichlorophenol	10.857	162	27205	23.085	ng/u1	96
30) Naphthalene	11.268	128	82088	21.592	ng/u1	98
32) 4-Chloroaniline	11.368	127	37482	21.861	ng/u1	99
33) Hexachlorobutadiene	11.539	225	23036	23.046	ng/u1	98
34) Caprolactam	12.120	113	8610m	21.702	ng/u1	
35) 4-Chloro-3-methylphenol	12.461	107	29437	21.709	ng/u1	97
36) 2-Methylnaphthalene	12.843	142	61898	22.201	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.060	142	60868	21.712	ng/ul#	98
39) 1,2,4,5-Tetrachloroben...	13.201	216	46239	22.569	ng/ul	98
40) Hexachlorocyclopentadiene	13.177	237	16263	15.906	ng/ul	99
41) 2,4,6-Trichlorophenol	13.436	196	27560	23.097	ng/ul	98
42) 2,4,5-Trichlorophenol	13.512	196	29483	23.013	ng/ul	96
43) 1,1'-Biphenyl	13.824	154	88808	20.644	ng/ul	98
44) 2-Chloronaphthalene	13.877	162	72135	21.626	ng/ul	97
45) 2-Nitroaniline	14.076	65	22775	22.617	ng/ul	95
47) Dimethylphthalate	14.423	163	92576	20.636	ng/ul	99
48) 2,6-Dinitrotoluene	14.552	165	19998	21.661	ng/ul	98
50) Acenaphthylene	14.717	152	107080	20.987	ng/ul	97
51) 3-Nitroaniline	14.887	138	14080	21.524	ng/ul#	90
52) Acenaphthene	15.051	153	75232	20.695	ng/ul	98
53) 2,4-Dinitrophenol	15.098	184	9512	19.347	ng/ul	87
55) 4-Nitrophenol	15.187	109	15478	20.997	ng/ul	90
56) Dibenzofuran	15.386	168	112079	21.350	ng/ul	99
57) 2,4-Dinitrotoluene	15.339	165	28906	21.871	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.609	232	26391	22.671	ng/ul	96
59) Diethylphthalate	15.768	149	94660	20.769	ng/ul	99
61) Fluorene	16.027	166	93049	20.961	ng/ul	100
62) 4-Chlorophenyl-phenyle...	16.009	204	56101	21.653	ng/ul	98
63) 4-Nitroaniline	16.044	138	10415	16.812	ng/ul	93
66) 4,6-Dinitro-2-methylph...	16.103	198	18100	21.547	ng/ul	97
67) N-Nitrosodiphenylamine	16.220	169	78339	21.554	ng/ul	98
68) 4-Bromophenyl-phenylether	16.902	248	37028	22.266	ng/ul	95
69) Hexachlorobenzene	17.031	284	39388	22.492	ng/ul	95
70) Atrazine	17.154	200	35335	21.875	ng/ul	98
71) Pentachlorophenol	17.378	266	16436	20.305	ng/ul	94
72) Phenanthrene	17.771	178	151588	20.921	ng/ul	100
74) Anthracene	17.859	178	155042	21.302	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.800	216	47143	22.527	ng/uL	97
76) Pentachlorobenzene	15.304	250	48526	22.780	ng/uL	97
77) Carbazole	18.124	167	129358	21.268	ng/ul	99
78) Di-n-butylphthalate	18.647	149	151078	21.722	ng/ul	100
80) Fluoranthene	19.757	202	185779	21.343	ng/ul	98
82) Pyrene	20.121	202	186862	21.206	ng/ul	97
83) Butylbenzylphthalate	20.973	149	62305	22.079	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.913	252	65932	24.048	ng/ul	99
85) Benzo(a)anthracene	22.018	228	188544	21.595	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.866	149	88839	21.646	ng/ul	96
87) Chrysene	22.089	228	171924	20.871	ng/ul	98
89) Di-n-octyl phthalate	23.164	149	149553	21.154	ng/ul	100
90) Benzo(b)fluoranthene	24.421	252	190879	21.531	ng/ul#	99
91) Benzo(k)fluoranthene	24.497	252	184182	21.355	ng/ul#	98
93) Benzo(a)pyrene	25.379	252	161335	21.079	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	29.591	276	208219	21.764	ng/ul#	97
95) Dibenzo(a,h)anthracene	29.655	278	174565	22.004	ng/ul	99
96) Benzo(g,h,i)perylene	30.877	276	167889m	21.683	ng/ul	

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

