

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072223\
 Data File : BG058427.D
 Acq On : 23 Jul 2023 10:04
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020535

Quant Time: Jul 24 03:16:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 02:19:39 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2023
 Supervised By :mohammad ahmed 07/25/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.894	152	61693	20.000	ng/u1	0.00
20) Naphthalene-d8	10.696	136	261552	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.533	164	162728	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.277	188	344707	20.000	ng/u1	0.00
79) Chrysene-d12	21.531	240	286232	20.000	ng/u1	0.00
88) Perylene-d12	24.668	264	350686	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	14101	8.413	ng/uL	0.00
4) Pyridine-d5	3.751	84	108352	21.779	ng/u1	0.00
7) Phenol-d5	7.065	99	121917	20.832	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.218	67	73996	20.229	ng/u1	0.00
11) 2-Chlorophenol-d4	7.429	132	88467	21.595	ng/u1	0.00
15) 4-Methylphenol-d8	8.604	113	89842	20.126	ng/u1	0.00
21) Nitrobenzene-d5	9.057	128	44665	22.783	ng/u1	0.00
24) 2-Nitrophenol-d4	9.780	143	47233	22.069	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.320	165	89845	21.898	ng/u1	0.00
31) 4-Chloroaniline-d4	10.831	131	116225	19.541	ng/u1	0.00
46) Dimethylphthalate-d6	13.934	166	247988	19.763	ng/u1	0.00
49) Acenaphthylene-d8	14.227	160	299875	22.804	ng/u1	0.00
54) 4-Nitrophenol-d4	14.744	143	30950	16.332	ng/u1	0.00
60) Fluorene-d10	15.526	176	216421	20.832	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.649	200	13809	7.863	ng/u1	0.00
73) Anthracene-d10	17.377	188	330678	22.202	ng/u1	0.00
81) Pyrene-d10	19.668	212	363684	21.512	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.451	264	367935	21.707	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.375	88	15516	8.161	ng/uL	87
5) Pyridine	3.769	79	112882	21.485	ng/u1	97
6) Benzaldehyde	7.036	77	42395m	17.937	ng/u1	
8) Phenol	7.089	94	126563	20.824	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.312	93	94911	20.385	ng/u1	98
12) 2-Chlorophenol	7.459	128	91967	21.447	ng/u1	97
13) 2-Methylphenol	8.340	108	97774	20.641	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.422	45	156573m	20.521	ng/u1	
16) Acetophenone	8.716	105	148770	19.569	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.698	70	77539	18.636	ng/u1	98
18) 4-Methylphenol	8.663	108	103478	20.101	ng/u1	99
19) Hexachloroethane	8.975	117	33157	19.616	ng/u1	92
22) Nitrobenzene	9.098	77	112295	21.479	ng/u1	98
23) Isophorone	9.615	82	228715	19.513	ng/u1	98
25) 2-Nitrophenol	9.809	139	50597	22.132	ng/u1	95
26) 2,4-Dimethylphenol	9.868	107	110869	21.750	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.103	93	132573	21.356	ng/u1#	97
29) 2,4-Dichlorophenol	10.344	162	86997	22.340	ng/u1	93
30) Naphthalene	10.749	128	306659	21.935	ng/u1	99
32) 4-Chloroaniline	10.855	127	121389	19.968	ng/u1	100
33) Hexachlorobutadiene	11.025	225	63583	22.834	ng/u1	96
34) Caprolactam	11.613	113	27396	16.938	ng/u1	99
35) 4-Chloro-3-methylphenol	11.989	107	97976	19.770	ng/u1	96
36) 2-Methylnaphthalene	12.359	142	199190	21.266	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.576	142	196110	20.429	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.723	216	115159	24.446	ng/ul	99
40) Hexachlorocyclopentadiene	12.700	237	14766	5.828	ng/ul	95
41) 2,4,6-Trichlorophenol	12.970	196	74372	23.322	ng/ul	99
42) 2,4,5-Trichlorophenol	13.046	196	74350	21.865	ng/ul	99
43) 1,1'-Biphenyl	13.364	154	259711	23.602	ng/ul	99
44) 2-Chloronaphthalene	13.411	162	207541	23.722	ng/ul	95
45) 2-Nitroaniline	13.616	65	66051	21.735	ng/ul	99
47) Dimethylphthalate	13.981	163	254099	20.160	ng/ul	99
48) 2,6-Dinitrotoluene	14.110	165	52548	21.575	ng/ul	96
50) Acenaphthylene	14.257	152	318073	22.408	ng/ul	100
51) 3-Nitroaniline	14.439	138	43790	21.574	ng/ul	89
52) Acenaphthene	14.597	153	217580	22.077	ng/ul	99
53) 2,4-Dinitrophenol	14.662	184	4459	3.440	ng/ul	88
55) 4-Nitrophenol	14.756	109	23491	16.095	ng/ul	87
56) Dibenzofuran	14.932	168	307356	21.902	ng/ul	100
57) 2,4-Dinitrotoluene	14.897	165	71667	20.401	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.162	232	58724	18.692	ng/ul#	99
59) Diethylphthalate	15.344	149	250637	19.302	ng/ul	99
61) Fluorene	15.579	166	242071	21.035	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.573	204	127358	20.847	ng/ul	99
63) 4-Nitroaniline	15.602	138	31429m	17.112	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.667	198	14180	7.848	ng/ul#	99
67) N-Nitrosodiphenylamine	15.784	169	197688	23.136	ng/ul	98
68) 4-Bromophenyl-phenylether	16.466	248	82763	22.668	ng/ul	97
69) Hexachlorobenzene	16.589	284	90688	22.012	ng/ul	99
70) Atrazine	16.730	200	73291	21.877	ng/ul	96
71) Pentachlorophenol	16.936	266	31188m	13.486	ng/ul	
72) Phenanthrene	17.318	178	364614	22.258	ng/ul	98
74) Anthracene	17.412	178	361844	22.003	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.334	216	116300	26.898	ng/ul	97
76) Pentachlorobenzene	14.850	250	115716	24.473	ng/ul	97
77) Carbazole	17.682	167	328145	23.019	ng/ul	99
78) Di-n-butylphthalate	18.234	149	417629	23.055	ng/ul	99
80) Fluoranthene	19.333	202	426814	22.038	ng/ul	98
82) Pyrene	19.697	202	431271	21.977	ng/ul	99
83) Butylbenzylphthalate	20.579	149	181301	23.462	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.431	252	151493	23.710	ng/ul	99
85) Benzo(a)anthracene	21.513	228	433935	22.555	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.413	149	266672	24.263	ng/ul	97
87) Chrysene	21.578	228	405284	22.209	ng/ul	100
89) Di-n-octyl phthalate	22.582	149	468221	25.094	ng/ul	100
90) Benzo(b)fluoranthene	23.669	252	451330	22.244	ng/ul	98
91) Benzo(k)fluoranthene	23.734	252	433863	21.440	ng/ul	99
93) Benzo(a)pyrene	24.521	252	395009	21.888	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.240	276	481214m	20.238	ng/ul	
95) Dibenzo(a,h)anthracene	28.293	278	396501	20.335	ng/ul	97
96) Benzo(g,h,i)perylene	29.363	276	357278m	18.442	ng/ul	

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

