

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
 Data File : BG059142.D
 Acq On : 21 Sep 2023 13:49
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020566

Quant Time: Sep 22 01:42:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 20 04:25:24 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/22/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.297	152	35205	20.000	ng/u1	0.00
20) Naphthalene-d8	11.140	136	165554	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.924	164	108019	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.674	188	249446	20.000	ng/u1	0.00
79) Chrysene-d12	21.998	240	214193	20.000	ng/u1	# 0.00
88) Perylene-d12	25.547	264	248727	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.608	96	6988	7.769	ng/uL	0.00
4) Pyridine-d5	4.037	84	53892	20.424	ng/u1	0.00
7) Phenol-d5	7.409	99	70952	20.496	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.615	67	45858	21.587	ng/u1	0.00
11) 2-Chlorophenol-d4	7.809	132	53589	20.978	ng/u1	0.00
15) 4-Methylphenol-d8	8.984	113	56245	20.401	ng/u1	0.00
21) Nitrobenzene-d5	9.489	128	26519	20.759	ng/u1	0.00
24) 2-Nitrophenol-d4	10.212	143	29592	22.930	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.735	165	55649	22.714	ng/u1	0.00
31) 4-Chloroaniline-d4	11.287	131	81497	21.312	ng/u1	0.00
46) Dimethylphthalate-d6	14.319	166	177784	21.400	ng/u1	0.00
49) Acenaphthylene-d8	14.630	160	219306	21.681	ng/u1	0.00
54) 4-Nitrophenol-d4	15.100	143	32415	21.387	ng/u1	0.00
60) Fluorene-d10	15.911	176	167445	22.020	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.023	200	29900	21.084	ng/u1	0.00
73) Anthracene-d10	17.774	188	250764	22.094	ng/u1	0.00
81) Pyrene-d10	20.048	212	275291	21.989	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.294	264	263399	21.688	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.643	88	8162	8.025	ng/uL#	67
5) Pyridine	4.060	79	53709	19.976	ng/u1	98
6) Benzaldehyde	7.445	77	44067	24.551	ng/u1	98
8) Phenol	7.439	94	73620	20.691	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.709	93	58638	20.527	ng/u1	90
12) 2-Chlorophenol	7.844	128	54721	20.995	ng/u1	98
13) 2-Methylphenol	8.720	108	53653	20.319	ng/u1	91
14) 2,2'-oxybis(1-Chloropr...	8.814	45	126458	21.322	ng/u1	99
16) Acetophenone	9.137	105	86407	20.358	ng/u1	96
17) N-Nitroso-di-n-propyla...	9.102	70	43675	20.355	ng/u1	94
18) 4-Methylphenol	9.049	108	59680	21.091	ng/u1	99
19) Hexachloroethane	9.389	117	20759	20.258	ng/u1	90
22) Nitrobenzene	9.536	77	61813	21.367	ng/u1	91
23) Isophorone	10.048	82	135910	21.909	ng/u1	96
25) 2-Nitrophenol	10.247	139	32223	22.343	ng/u1	95
26) 2,4-Dimethylphenol	10.265	107	58981	21.874	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.523	93	85371	22.121	ng/u1	97
29) 2,4-Dichlorophenol	10.764	162	56799	22.934	ng/u1	97
30) Naphthalene	11.193	128	190635	21.519	ng/u1	98
32) 4-Chloroaniline	11.305	127	80555	21.400	ng/u1	96
33) Hexachlorobutadiene	11.422	225	36316	22.782	ng/u1	89
34) Caprolactam	12.086	113	20224m	22.298	ng/u1	
35) 4-Chloro-3-methylphenol	12.374	107	60622	23.238	ng/u1	96
36) 2-Methylnaphthalene	12.774	142	130634	22.079	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.991	142	132302	22.136	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	13.115	216	67458	21.302	ng/ul#	94
40) Hexachlorocyclopentadiene	13.068	237	41380	20.496	ng/ul	93
41) 2,4,6-Trichlorophenol	13.355	196	47250	22.849	ng/ul	94
42) 2,4,5-Trichlorophenol	13.426	196	50130	22.411	ng/ul	99
43) 1,1'-Biphenyl	13.761	154	186541	21.635	ng/ul	93
44) 2-Chloronaphthalene	13.820	162	140773	21.383	ng/ul	97
45) 2-Nitroaniline	14.031	65	43806	20.992	ng/ul	89
47) Dimethylphthalate	14.366	163	183413	21.616	ng/ul	99
48) 2,6-Dinitrotoluene	14.513	165	35526	22.657	ng/ul#	89
50) Acenaphthylene	14.660	152	232930	21.559	ng/ul	99
51) 3-Nitroaniline	14.848	138	36123	20.880	ng/ul	85
52) Acenaphthene	14.995	153	156307	21.333	ng/ul	95
53) 2,4-Dinitrophenol	15.048	184	17925	18.973	ng/ul#	89
55) 4-Nitrophenol	15.118	109	21532	21.495	ng/ul	94
56) Dibenzofuran	15.324	168	210349	21.645	ng/ul	100
57) 2,4-Dinitrotoluene	15.288	165	50118	22.171	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.529	232	45682	22.063	ng/ul#	91
59) Diethylphthalate	15.711	149	174609	20.884	ng/ul	100
61) Fluorene	15.970	166	179838	21.672	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.952	204	90915	22.075	ng/ul	95
63) 4-Nitroaniline	16.011	138	35142	21.913	ng/ul	91
66) 4,6-Dinitro-2-methylph...	16.035	198	32294	21.127	ng/ul#	99
67) N-Nitrosodiphenylamine	16.176	169	148452	22.353	ng/ul	99
68) 4-Bromophenyl-phenylether	16.851	248	54103	22.293	ng/ul	97
69) Hexachlorobenzene	16.939	284	61824	22.240	ng/ul#	90
70) Atrazine	17.104	200	57842	21.889	ng/ul	94
71) Pentachlorophenol	17.298	266	38716	21.441	ng/ul	90
72) Phenanthrene	17.721	178	299794	21.476	ng/ul	99
74) Anthracene	17.809	178	309253	21.682	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.726	216	72402	21.771	ng/ul	92
76) Pentachlorobenzene	15.218	250	67398	21.911	ng/ul	98
77) Carbazole	18.085	167	251751	21.230	ng/ul	98
78) Di-n-butylphthalate	18.590	149	306186	20.959	ng/ul	99
80) Fluoranthene	19.713	202	333039	21.347	ng/ul	98
82) Pyrene	20.077	202	349139	21.455	ng/ul	99
83) Butylbenzylphthalate	20.935	149	127721	21.728	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.887	252	119429	23.074	ng/ul	93
85) Benzo(a)anthracene	21.975	228	330950	21.282	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.810	149	190040	21.608	ng/ul	97
87) Chrysene	22.045	228	302936	20.888	ng/ul	99
89) Di-n-octyl phthalate	23.132	149	322885	21.233	ng/ul	100
90) Benzo(b)fluoranthene	24.395	252	330978	21.838	ng/ul	99
91) Benzo(k)fluoranthene	24.472	252	333860	21.246	ng/ul	97
93) Benzo(a)pyrene	25.371	252	312915	21.482	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.642	276	357693	21.592	ng/ul	98
95) Dibenzo(a,h)anthracene	29.730	278	287074	21.564	ng/ul	95
96) Benzo(g,h,i)perylene	30.952	276	288610m	21.627	ng/ul	

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

