

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059555.D
 Acq On : 31 Oct 2023 9:23
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020464

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

Quant Time: Nov 01 03:26:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.359	152	84380	20.000	ng/u1	# 0.00
20) Naphthalene-d8	11.208	136	501707	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.986	164	317699	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.742	188	681841	20.000	ng/u1	0.00
79) Chrysene-d12	22.078	240	547523	20.000	ng/u1	0.00
88) Perylene-d12	25.685	264	594464	20.000	ng/u1	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.647	96	13475	5.975	ng/uL	0.00
4) Pyridine-d5	4.087	84	105677	16.768	ng/u1	0.00
7) Phenol-d5	7.466	99	165603	19.099	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.677	67	71453	17.941	ng/u1	0.00
11) 2-Chlorophenol-d4	7.871	132	126974	18.050	ng/u1	0.00
15) 4-Methylphenol-d8	9.040	113	129634	18.844	ng/u1	0.00
21) Nitrobenzene-d5	9.557	128	58314	16.347	ng/u1	0.00
24) 2-Nitrophenol-d4	10.274	143	82953	22.651	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.797	165	164658	20.407	ng/u1	0.00
31) 4-Chloroaniline-d4	11.349	131	248038	18.674	ng/u1	0.00
46) Dimethylphthalate-d6	14.381	166	506206	17.587	ng/u1	0.00
49) Acenaphthylene-d8	14.692	160	613278	18.156	ng/u1	0.00
54) 4-Nitrophenol-d4	15.157	143	105039	21.281	ng/u1	0.00
60) Fluorene-d10	15.973	176	450447	18.312	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.073	200	65754	20.364	ng/u1	0.00
73) Anthracene-d10	17.842	188	714094	19.331	ng/u1	0.00
81) Pyrene-d10	20.110	212	725654	19.067	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.439	264	682171	19.488	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.693	88	14678	5.815	ng/uL#	91
5) Pyridine	4.111	79	106076	17.064	ng/u1	87
6) Benzaldehyde	7.501	77	87852	22.494	ng/u1	97
8) Phenol	7.489	94	161631	19.773	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.771	93	105447	17.590	ng/u1	98
12) 2-Chlorophenol	7.906	128	130274	18.680	ng/u1#	89
13) 2-Methylphenol	8.776	108	120926	17.745	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.858	45	90985m	16.128	ng/u1	
16) Acetophenone	9.199	105	191933	17.700	ng/u1	88
17) N-Nitroso-di-n-propyla...	9.164	70	83544	16.351	ng/u1#	90
18) 4-Methylphenol	9.105	108	129222	17.822	ng/u1	99
19) Hexachloroethane	9.446	117	50569	18.257	ng/u1	100
22) Nitrobenzene	9.598	77	127309	16.534	ng/u1	99
23) Isophorone	10.110	82	337579	17.409	ng/u1#	92
25) 2-Nitrophenol	10.303	139	87346	22.177	ng/u1#	89
26) 2,4-Dimethylphenol	10.327	107	186185	17.972	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.591	93	191808	17.765	ng/u1	100
29) 2,4-Dichlorophenol	10.826	162	150492	19.279	ng/u1#	87
30) Naphthalene	11.261	128	588643	18.824	ng/u1	96
32) 4-Chloroaniline	11.373	127	244827	19.405	ng/u1#	87
33) Hexachlorobutadiene	11.490	225	86828	18.541	ng/u1	91
34) Caprolactam	12.137	113	50152	17.562	ng/u1	97
35) 4-Chloro-3-methylphenol	12.436	107	190167	20.418	ng/u1	96
36) 2-Methylnaphthalene	12.836	142	402177	18.695	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.053	142	418962	19.552	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	13.177	216	169954	18.547	ng/ul#	97
40) Hexachlorocyclopentadiene	13.135	237	86345	16.165	ng/ul	94
41) 2,4,6-Trichlorophenol	13.417	196	125348	19.755	ng/ul	88
42) 2,4,5-Trichlorophenol	13.482	196	134169	19.532	ng/ul	98
43) 1,1'-Biphenyl	13.829	154	529684	18.430	ng/ul	98
44) 2-Chloronaphthalene	13.876	162	389164	17.422	ng/ul	97
45) 2-Nitroaniline	14.087	65	94885	22.829	ng/ul	95
47) Dimethylphthalate	14.428	163	505503	17.776	ng/ul	97
48) 2,6-Dinitrotoluene	14.569	165	92887	21.654	ng/ul#	74
50) Acenaphthylene	14.722	152	702358	18.047	ng/ul	99
51) 3-Nitroaniline	14.904	138	122565	22.923	ng/ul#	82
52) Acenaphthene	15.051	153	461965	18.210	ng/ul	99
53) 2,4-Dinitrophenol	15.098	184	42913	17.606	ng/ul#	61
55) 4-Nitrophenol	15.168	109	119710	22.007	ng/ul	94
56) Dibenzofuran	15.386	168	614225	18.675	ng/ul	93
57) 2,4-Dinitrotoluene	15.345	165	134205	22.241	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	15.591	232	111464	20.674	ng/ul#	95
59) Diethylphthalate	15.773	149	573057	18.474	ng/ul	98
61) Fluorene	16.032	166	534625	18.829	ng/ul	95
62) 4-Chlorophenyl-phenyle...	16.014	204	229336	18.900	ng/ul	97
63) 4-Nitroaniline	16.067	138	123466m	21.758	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.091	198	70384	20.683	ng/ul#	72
67) N-Nitrosodiphenylamine	16.232	169	448564	19.253	ng/ul	98
68) 4-Bromophenyl-phenylether	16.913	248	135751	19.896	ng/ul	97
69) Hexachlorobenzene	17.001	284	154905	19.644	ng/ul	94
70) Atrazine	17.166	200	144899	20.071	ng/ul	94
71) Pentachlorophenol	17.360	266	94159	20.902	ng/ul	92
72) Phenanthrene	17.783	178	834042	18.816	ng/ul	99
74) Anthracene	17.877	178	855907	19.124	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.782	216	172425	18.990	ng/ul	90
76) Pentachlorobenzene	15.280	250	174042	20.199	ng/ul	95
77) Carbazole	18.147	167	804651	20.928	ng/ul	97
78) Di-n-butylphthalate	18.664	149	987473	18.692	ng/ul	98
80) Fluoranthene	19.775	202	904568	19.499	ng/ul	99
82) Pyrene	20.139	202	918708	19.065	ng/ul	98
83) Butylbenzylphthalate	21.009	149	443642	20.386	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.966	252	305260	21.439	ng/ul#	95
85) Benzo(a)anthracene	22.054	228	823364	18.274	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.902	149	633101	19.496	ng/ul	99
87) Chrysene	22.131	228	764968	18.251	ng/ul	98
89) Di-n-octyl phthalate	23.259	149	1086022	20.866	ng/ul	100
90) Benzo(b)fluoranthene	24.516	252	823249m	19.105	ng/ul	
91) Benzo(k)fluoranthene	24.598	252	826486	19.202	ng/ul	94
93) Benzo(a)pyrene	25.515	252	777588	19.093	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.875	276	990507m	19.188	ng/ul	
95) Dibenzo(a,h)anthracene	29.969	278	780187	18.299	ng/ul	95
96) Benzo(g,h,i)perylene	31.208	276	785566m	18.593	ng/ul	

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

