

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092324\
 Data File : BG063023.D
 Acq On : 24 Sep 2024 12:13
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020506

Quant Time: Sep 24 13:44:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 18 00:45:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/26/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.859	152	27612	20.000	ng/u1	0.00
20) Naphthalene-d8	10.644	136	123479	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.493	164	101631	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.236	188	293050m	20.000	ng/u1	0.00
79) Chrysene-d12	21.490	240	318729m	20.000	ng/u1	0.00
88) Perylene-d12	24.534	264	378954m	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.323	96	4531	4.806	ng/uL	0.00
4) Pyridine-d5	3.729	84	35282	13.786	ng/u1	0.00
7) Phenol-d5	7.031	99	61739	21.548	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.183	67	34030	21.224	ng/u1	0.00
11) 2-Chlorophenol-d4	7.389	132	43188	22.959	ng/u1	0.00
15) 4-Methylphenol-d8	8.564	113	45204	21.537	ng/u1	0.00
21) Nitrobenzene-d5	9.011	128	19457	19.779	ng/u1	0.00
24) 2-Nitrophenol-d4	9.727	143	28160	25.233	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.268	165	55415	23.933	ng/u1	0.00
31) 4-Chloroaniline-d4	10.779	131	46422	16.110	ng/u1	0.00
46) Dimethylphthalate-d6	13.893	166	154674	20.466	ng/u1	0.00
49) Acenaphthylene-d8	14.181	160	164229	19.456	ng/u1	0.00
54) 4-Nitrophenol-d4	14.698	143	24179	19.965	ng/u1	0.00
60) Fluorene-d10	15.485	176	166488	23.659	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.609	200	39605m	22.357	ng/u1	0.00
73) Anthracene-d10	17.336	188	261363	18.871	ng/u1	0.00
81) Pyrene-d10	19.634	212	339171m	17.570	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.328	264	382846m	19.156	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.358	88	5752m	6.166	ng/uL	
5) Pyridine	3.746	79	33575	13.174	ng/u1#	84
6) Benzaldehyde	6.995	77	42343	27.002	ng/u1	94
8) Phenol	7.054	94	63742	21.326	ng/u1#	85
10) Bis(2-Chloroethyl)ether	7.277	93	44069	21.807	ng/u1	95
12) 2-Chlorophenol	7.424	128	44168	22.874	ng/u1	94
13) 2-Methylphenol	8.300	108	41204	19.930	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.370	45	40297	16.072	ng/u1#	91
16) Acetophenone	8.670	105	69069	20.920	ng/u1#	93
17) N-Nitroso-di-n-propyla...	8.658	70	39654	20.569	ng/u1	92
18) 4-Methylphenol	8.629	108	48907	21.615	ng/u1	98
19) Hexachloroethane	8.934	117	15839	19.309	ng/u1	86
22) Nitrobenzene	9.052	77	63240	21.654	ng/u1#	95
23) Isophorone	9.569	82	131342	22.583	ng/u1#	98
25) 2-Nitrophenol	9.763	139	28216	23.024	ng/u1#	76
26) 2,4-Dimethylphenol	9.822	107	61610	22.439	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.057	93	67918	21.966	ng/u1#	94
29) 2,4-Dichlorophenol	10.297	162	54687	23.858	ng/u1	94
30) Naphthalene	10.697	128	109524	15.975	ng/u1	99
32) 4-Chloroaniline	10.803	127	44819	15.975	ng/u1	97
33) Hexachlorobutadiene	10.985	225	31729	17.319	ng/u1	95
34) Caprolactam	11.555	113	13090m	17.154	ng/u1	
35) 4-Chloro-3-methylphenol	11.931	107	63951	24.275	ng/u1	95
36) 2-Methylnaphthalene	12.307	142	114673	23.210	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.524	142	117953	23.590	ng/ul#	98
39) 1,2,4,5-Tetrachloroben...	12.677	216	86560	24.032	ng/ul#	97
40) Hexachlorocyclopentadiene	12.659	237	50805	26.588	ng/ul	93
41) 2,4,6-Trichlorophenol	12.918	196	50729	22.602	ng/ul	95
42) 2,4,5-Trichlorophenol	12.994	196	58488	24.805	ng/ul	95
43) 1,1'-Biphenyl	13.323	154	171152	22.671	ng/ul#	90
44) 2-Chloronaphthalene	13.364	162	130852	21.566	ng/ul	94
45) 2-Nitroaniline	13.564	65	50558	24.647	ng/ul	98
47) Dimethylphthalate	13.946	163	158828	20.541	ng/ul	99
48) 2,6-Dinitrotoluene	14.064	165	30450	20.638	ng/ul	90
50) Acenaphthylene	14.210	152	173983	19.578	ng/ul	95
51) 3-Nitroaniline	14.393	138	29355	22.185	ng/ul#	93
52) Acenaphthene	14.557	153	127515	19.755	ng/ul	98
53) 2,4-Dinitrophenol	14.604	184	23663	26.852	ng/ul	84
55) 4-Nitrophenol	14.716	109	35358	25.854	ng/ul#	73
56) Dibenzofuran	14.892	168	189408	19.787	ng/ul	99
57) 2,4-Dinitrotoluene	14.857	165	49726	22.361	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	15.121	232	50535	23.816	ng/ul#	90
59) Diethylphthalate	15.309	149	178413	20.737	ng/ul	98
61) Fluorene	15.538	166	168503	23.006	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.532	204	96364	23.844	ng/ul	99
63) 4-Nitroaniline	15.556	138	32548	24.510	ng/ul#	80
66) 4,6-Dinitro-2-methylph...	15.621	198	43461m	22.934	ng/ul	
67) N-Nitrosodiphenylamine	15.750	169	153812	18.690	ng/ul	96
68) 4-Bromophenyl-phenylether	16.431	248	74050	22.729	ng/ul	94
69) Hexachlorobenzene	16.549	284	86758	23.064	ng/ul	97
70) Atrazine	16.702	200	74629	21.863	ng/ul	95
71) Pentachlorophenol	16.890	266	50523	23.554	ng/ul	92
72) Phenanthrene	17.283	178	304702m	19.572	ng/ul	
74) Anthracene	17.371	178	310554	19.318	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.288	216	89131	19.945	ng/ul	98
76) Pentachlorobenzene	14.810	250	87048	18.456	ng/ul	98
77) Carbazole	17.642	167	247267	19.320	ng/ul	100
78) Di-n-butylphthalate	18.206	149	249997	15.188	ng/ul#	97
80) Fluoranthene	19.299	202	373997m	17.753	ng/ul	
82) Pyrene	19.663	202	393116m	17.503	ng/ul	
83) Butylbenzylphthalate	20.562	149	131537	16.851	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.396	252	150209	21.012	ng/ul	99
85) Benzo(a)anthracene	21.473	228	421857m	18.683	ng/ul	
86) Bis(2-ethylhexyl)phtha...	21.390	149	185713m	16.467	ng/ul	
87) Chrysene	21.537	228	398618	18.868	ng/ul	95
89) Di-n-octyl phthalate	22.542	149	234544	11.687	ng/ul	100
90) Benzo(b)fluoranthene	23.570	252	444179m	19.253	ng/ul	
91) Benzo(k)fluoranthene	23.635	252	429749m	18.697	ng/ul	
93) Benzo(a)pyrene	24.393	252	405100m	18.678	ng/ul	
94) Indeno(1,2,3-cd)pyrene	27.959	276	528101	19.872	ng/ul#	89
95) Dibenzo(a,h)anthracene	28.018	278	431365m	20.305	ng/ul	
96) Benzo(g,h,i)perylene	29.034	276	397022m	19.457	ng/ul	

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

