

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082024\
 Data File : BG062481.D
 Acq On : 20 Aug 2024 17:57
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020464

Quant Time: Aug 21 00:01:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 20 11:04:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	72001	20.000	ng/u1	0.00
20) Naphthalene-d8	10.731	136	277291	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.561	164	212077	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.305	188	451804	20.000	ng/u1	0.00
79) Chrysene-d12	21.546	240	437235	20.000	ng/u1	0.00
88) Perylene-d12	24.624	264	495667	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.400	96	9556	5.039	ng/uL	0.00
4) Pyridine-d5	3.811	84	79102	13.688	ng/u1	0.00
7) Phenol-d5	7.101	99	137201	19.155	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.271	67	78103	17.311	ng/u1	0.00
11) 2-Chlorophenol-d4	7.471	132	96606	19.744	ng/u1	0.00
15) 4-Methylphenol-d8	8.640	113	100458	16.732	ng/u1	0.00
21) Nitrobenzene-d5	9.092	128	41825	23.520	ng/u1	0.00
24) 2-Nitrophenol-d4	9.815	143	46761	26.434	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.355	165	96419	21.400	ng/u1	0.00
31) 4-Chloroaniline-d4	10.866	131	129948	18.187	ng/u1	0.00
46) Dimethylphthalate-d6	13.968	166	285144	17.285	ng/u1	0.00
49) Acenaphthylene-d8	14.256	160	339748	18.601	ng/u1	0.00
54) 4-Nitrophenol-d4	14.749	143	49850	18.943	ng/u1	0.00
60) Fluorene-d10	15.554	176	263749	17.727	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.666	200	44822	21.834	ng/u1	0.00
73) Anthracene-d10	17.399	188	405587	18.687	ng/u1	0.00
81) Pyrene-d10	19.684	212	482515	18.843	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.413	264	491586	18.688	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.441	88	12331	6.091	ng/uL	84
5) Pyridine	3.829	79	85174	14.008	ng/u1	96
6) Benzaldehyde	7.077	77	80805m	21.762	ng/u1	
8) Phenol	7.130	94	144718	19.255	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.359	93	98051	17.631	ng/u1	98
12) 2-Chlorophenol	7.506	128	101544	20.064	ng/u1	99
13) 2-Methylphenol	8.376	108	104595	18.493	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.458	45	207352	18.063	ng/u1	97
16) Acetophenone	8.757	105	153409	15.598	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.740	70	78611	15.147	ng/u1	98
18) 4-Methylphenol	8.705	108	107754	16.633	ng/u1	100
19) Hexachloroethane	9.022	117	33166	16.470	ng/u1	96
22) Nitrobenzene	9.133	77	108444	21.590	ng/u1	100
23) Isophorone	9.656	82	209561	17.666	ng/u1	99
25) 2-Nitrophenol	9.844	139	51636	26.128	ng/u1	95
26) 2,4-Dimethylphenol	9.903	107	110575	20.517	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.144	93	122236	18.525	ng/u1	99
29) 2,4-Dichlorophenol	10.379	162	99015	21.400	ng/u1	98
30) Naphthalene	10.784	128	311266	19.355	ng/u1	99
32) 4-Chloroaniline	10.884	127	126329	18.186	ng/u1	98
33) Hexachlorobutadiene	11.078	225	68527	19.484	ng/u1	100
34) Caprolactam	11.642	113	30770	16.488	ng/u1	82
35) 4-Chloro-3-methylphenol	12.012	107	109048	20.142	ng/u1	99
36) 2-Methylnaphthalene	12.388	142	214414	18.879	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.611	142	218231	18.833	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.758	216	137100	19.359	ng/ul	98
40) Hexachlorocyclopentadiene	12.740	237	66435	18.301	ng/ul	97
41) 2,4,6-Trichlorophenol	12.993	196	85155	20.903	ng/ul	100
42) 2,4,5-Trichlorophenol	13.063	196	92750	21.685	ng/ul	99
43) 1,1'-Biphenyl	13.398	154	304383	18.945	ng/ul	98
44) 2-Chloronaphthalene	13.439	162	238439	19.178	ng/ul	98
45) 2-Nitroaniline	13.639	65	72926	22.646	ng/ul	97
47) Dimethylphthalate	14.015	163	284207	16.993	ng/ul	99
48) 2,6-Dinitrotoluene	14.133	165	53799	22.523	ng/ul	94
50) Acenaphthylene	14.285	152	362408	18.532	ng/ul	97
51) 3-Nitroaniline	14.456	138	57321	21.062	ng/ul	98
52) Acenaphthene	14.626	153	268349	18.335	ng/ul	97
53) 2,4-Dinitrophenol	14.661	184	29247	19.411	ng/ul	94
55) 4-Nitrophenol	14.767	109	42528	18.827	ng/ul	93
56) Dibenzofuran	14.961	168	377406	18.331	ng/ul	99
57) 2,4-Dinitrotoluene	14.914	165	80663	22.184	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.184	232	83556	20.318	ng/ul	99
59) Diethylphthalate	15.384	149	286993	17.195	ng/ul	99
61) Fluorene	15.607	166	286478	17.654	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.601	204	148007	17.749	ng/ul	99
63) 4-Nitroaniline	15.619	138	53858	18.933	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.678	198	50301	21.747	ng/ul	100
67) N-Nitrosodiphenylamine	15.813	169	254584	19.438	ng/ul	99
68) 4-Bromophenyl-phenylether	16.494	248	98040	19.336	ng/ul	96
69) Hexachlorobenzene	16.612	284	113808	19.265	ng/ul	97
70) Atrazine	16.764	200	98465	18.030	ng/ul	99
71) Pentachlorophenol	16.952	266	71484	20.736	ng/ul	97
72) Phenanthrene	17.346	178	470089	18.517	ng/ul	100
74) Anthracene	17.434	178	486560	18.709	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.363	216	139847	21.653	ng/ul	97
76) Pentachlorobenzene	14.879	250	137761	20.334	ng/ul	97
77) Carbazole	17.698	167	394882	18.076	ng/ul	99
78) Di-n-butylphthalate	18.268	149	480521	18.387	ng/ul	99
80) Fluoranthene	19.349	202	554612	19.388	ng/ul	100
82) Pyrene	19.713	202	584254	18.949	ng/ul	99
83) Butylbenzylphthalate	20.606	149	212054	20.418	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.440	252	200105	20.969	ng/ul#	98
85) Benzo(a)anthracene	21.528	228	596165	18.785	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.446	149	310836	20.485	ng/ul	97
87) Chrysene	21.587	228	562620	18.700	ng/ul	99
89) Di-n-octyl phthalate	22.615	149	538567	20.373	ng/ul	100
90) Benzo(b)fluoranthene	23.649	252	548578	18.321	ng/ul	98
91) Benzo(k)fluoranthene	23.714	252	561537	18.579	ng/ul	100
93) Benzo(a)pyrene	24.477	252	519247	18.394	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.096	276	682401	19.020	ng/ul	99
95) Dibenzo(a,h)anthracene	28.166	278	556068	19.121	ng/ul	96
96) Benzo(g,h,i)perylene	29.183	276	527362	19.112	ng/ul	98

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

