

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG073124\
 Data File : BG062222.D
 Acq On : 31 Jul 2024 17:42
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020587

Quant Time: Aug 01 04:10:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG073124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 01 03:46:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/03/2024
 Supervised By :mohammad ahmed 08/03/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.982	152	36725	20.000	ng/u1	0.00
20) Naphthalene-d8	10.778	136	175585	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.597	164	134801	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.340	188	309816	20.000	ng/u1	0.00
79) Chrysene-d12	21.587	240	317183	20.000	ng/u1	0.00
88) Perylene-d12	24.701	264	344279	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.441	96	6605m	7.654	ng/uL	0.00
4) Pyridine-d5	3.847	84	51899	19.694	ng/u1	0.00
7) Phenol-d5	7.130	99	67671	19.254	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.307	67	42889	19.787	ng/u1	0.00
11) 2-Chlorophenol-d4	7.512	132	49010	20.732	ng/u1	0.00
15) 4-Methylphenol-d8	8.669	113	57087	19.516	ng/u1	0.00
21) Nitrobenzene-d5	9.134	128	19795	27.181	ng/u1	0.00
24) 2-Nitrophenol-d4	9.850	143	18426	27.007	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.391	165	57095	22.349	ng/u1	0.00
31) 4-Chloroaniline-d4	10.902	131	85300	19.735	ng/u1	0.00
46) Dimethylphthalate-d6	14.009	166	205313	20.210	ng/u1	0.00
49) Acenaphthylene-d8	14.291	160	219903	19.608	ng/u1	0.00
54) 4-Nitrophenol-d4	14.767	143	28338	23.242	ng/u1	0.00
60) Fluorene-d10	15.589	176	171539	19.004	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.695	200	14981	20.399	ng/u1	0.00
73) Anthracene-d10	17.440	188	283480	19.855	ng/u1	0.00
81) Pyrene-d10	19.719	212	360276	20.296	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.489	264	338928	20.137	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.476	88	8212	7.715	ng/uL	96
5) Pyridine	3.864	79	56400	20.071	ng/u1	93
6) Benzaldehyde	7.119	77	45484	23.976	ng/u1	96
8) Phenol	7.154	94	70152	19.351	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.401	93	53927	19.716	ng/u1	97
12) 2-Chlorophenol	7.542	128	50454	20.546	ng/u1	99
13) 2-Methylphenol	8.411	108	54707	19.548	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.505	45	114529	19.677	ng/u1	98
16) Acetophenone	8.799	105	94838	19.963	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.787	70	52837	20.189	ng/u1#	96
18) 4-Methylphenol	8.740	108	60941	19.769	ng/u1	93
19) Hexachloroethane	9.063	117	20028	20.488	ng/u1	92
22) Nitrobenzene	9.175	77	58817	26.960	ng/u1	96
23) Isophorone	9.697	82	149658	19.304	ng/u1	98
25) 2-Nitrophenol	9.885	139	22481	28.445	ng/u1	95
26) 2,4-Dimethylphenol	9.944	107	67691	19.654	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.185	93	82218	19.596	ng/u1	99
29) 2,4-Dichlorophenol	10.414	162	54532	21.389	ng/u1	98
30) Naphthalene	10.825	128	192124	19.689	ng/u1	99
32) 4-Chloroaniline	10.925	127	82434	19.850	ng/u1	95
33) Hexachlorobutadiene	11.119	225	39012	19.329	ng/u1	96
34) Caprolactam	11.671	113	23139m	21.304	ng/u1	
35) 4-Chloro-3-methylphenol	12.035	107	67297	20.301	ng/u1	99
36) 2-Methylnaphthalene	12.429	142	134264	19.468	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.646	142	139379	19.608	ng/ul#	96
39) 1,2,4,5-Tetrachloroben...	12.793	216	81272	20.372	ng/ul	99
40) Hexachlorocyclopentadiene	12.782	237	42389	20.461	ng/ul	95
41) 2,4,6-Trichlorophenol	13.028	196	46498	23.587	ng/ul	99
42) 2,4,5-Trichlorophenol	13.093	196	53357	23.935	ng/ul	92
43) 1,1'-Biphenyl	13.439	154	193640	19.913	ng/ul	97
44) 2-Chloronaphthalene	13.475	162	149340	19.582	ng/ul	98
45) 2-Nitroaniline	13.669	65	37399	27.737	ng/ul	93
47) Dimethylphthalate	14.056	163	209968	19.918	ng/ul	98
48) 2,6-Dinitrotoluene	14.168	165	27122	27.312	ng/ul	94
50) Acenaphthylene	14.321	152	246955	19.518	ng/ul	99
51) 3-Nitroaniline	14.485	138	29490	23.823	ng/ul#	91
52) Acenaphthene	14.661	153	173650	19.419	ng/ul	98
53) 2,4-Dinitrophenol	14.691	184	8942	17.187	ng/ul	96
55) 4-Nitrophenol	14.785	109	26664	22.613	ng/ul	88
56) Dibenzofuran	14.996	168	239963	19.366	ng/ul	98
57) 2,4-Dinitrotoluene	14.949	165	38382	28.291	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.219	232	48700	22.952	ng/ul	99
59) Diethylphthalate	15.425	149	210044	19.435	ng/ul	99
61) Fluorene	15.648	166	186248	18.669	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.648	204	94769	18.768	ng/ul	97
63) 4-Nitroaniline	15.648	138	32746	23.795	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.713	198	16979	20.644	ng/ul	96
67) N-Nitrosodiphenylamine	15.854	169	171037	19.839	ng/ul	97
68) 4-Bromophenyl-phenylether	16.535	248	64635	19.479	ng/ul	99
69) Hexachlorobenzene	16.647	284	69922	19.493	ng/ul	96
70) Atrazine	16.805	200	69990	21.096	ng/ul	98
71) Pentachlorophenol	16.982	266	39099m	17.149	ng/ul	
72) Phenanthrene	17.381	178	330377	19.765	ng/ul	99
74) Anthracene	17.475	178	341608	19.743	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.398	216	80387	21.036	ng/ul	97
76) Pentachlorobenzene	14.920	250	83830	20.744	ng/ul	98
77) Carbazole	17.734	167	296417	20.874	ng/ul	99
78) Di-n-butylphthalate	18.321	149	372122	21.131	ng/ul	100
80) Fluoranthene	19.390	202	417046	20.060	ng/ul	99
82) Pyrene	19.749	202	433302	19.994	ng/ul	100
83) Butylbenzylphthalate	20.653	149	156820	21.564	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.487	252	150488	21.821	ng/ul	95
85) Benzo(a)anthracene	21.570	228	444932	19.741	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.517	149	240818	21.184	ng/ul	97
87) Chrysene	21.634	228	417417	19.817	ng/ul	99
89) Di-n-octyl phthalate	22.715	149	402983	20.848	ng/ul	100
90) Benzo(b)fluoranthene	23.720	252	419471	19.585	ng/ul	98
91) Benzo(k)fluoranthene	23.784	252	426089	20.011	ng/ul	99
93) Benzo(a)pyrene	24.554	252	404580	19.973	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.219	276	496300	20.838	ng/ul	99
95) Dibenzo(a,h)anthracene	28.296	278	415835	20.824	ng/ul	99
96) Benzo(g,h,i)perylene	29.312	276	396571	20.743	ng/ul	97

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

