

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122624\
 Data File : BG063913.D
 Acq On : 28 Dec 2024 21:38
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020589

Quant Time: Dec 30 00:40:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 24 00:44:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.795	152	107012	20.000	ng/u1	0.00
20) Naphthalene-d8	10.585	136	444584	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.440	164	329320	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.195	188	793567	20.000	ng/u1	0.00
79) Chrysene-d12	21.449	240	798473	20.000	ng/u1	# 0.01
88) Perylene-d12	24.469	264	818917	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.259	96	23531	8.617	ng/uL	0.00
4) Pyridine-d5	3.664	84	176452	20.483	ng/u1	0.00
7) Phenol-d5	6.984	99	196001	19.887	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.125	67	128717	18.909	ng/u1	0.00
11) 2-Chlorophenol-d4	7.336	132	127316	19.954	ng/u1	0.00
15) 4-Methylphenol-d8	8.517	113	147797	19.315	ng/u1	0.00
21) Nitrobenzene-d5	8.952	128	68345	21.530	ng/u1	0.00
24) 2-Nitrophenol-d4	9.675	143	75398	21.189	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.221	165	153526	22.285	ng/u1	0.00
31) 4-Chloroaniline-d4	10.726	131	191744	21.920	ng/u1	0.00
46) Dimethylphthalate-d6	13.846	166	472674	21.093	ng/u1	0.00
49) Acenaphthylene-d8	14.134	160	553864	21.682	ng/u1	0.00
54) 4-Nitrophenol-d4	14.675	143	58574	18.448	ng/u1	0.00
60) Fluorene-d10	15.439	176	436856	22.049	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.580	200	67914	16.483	ng/u1	0.01
73) Anthracene-d10	17.295	188	764736	22.414	ng/u1	0.00
81) Pyrene-d10	19.598	212	872469	20.998	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.269	264	837194	21.770	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.294	88	28412	8.792	ng/uL	89
5) Pyridine	3.682	79	192597	20.873	ng/u1	97
6) Benzaldehyde	6.937	77	236670	39.148	ng/u1	95
8) Phenol	7.013	94	207617	19.766	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.219	93	158972	19.781	ng/u1	96
12) 2-Chlorophenol	7.366	128	135463	20.974	ng/u1	99
13) 2-Methylphenol	8.253	108	150911	19.878	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.312	45	233144	19.542	ng/u1	98
16) Acetophenone	8.617	105	254498	19.609	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.600	70	141872	18.320	ng/u1	92
18) 4-Methylphenol	8.576	108	164892	19.845	ng/u1	99
19) Hexachloroethane	8.870	117	58607	18.467	ng/u1	92
22) Nitrobenzene	8.993	77	210805	19.887	ng/u1	97
23) Isophorone	9.516	82	389142	19.429	ng/u1	98
25) 2-Nitrophenol	9.704	139	78172	21.377	ng/u1	91
26) 2,4-Dimethylphenol	9.775	107	163900	19.751	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.998	93	224367	20.711	ng/u1	97
29) 2,4-Dichlorophenol	10.251	162	151272	22.099	ng/u1	92
30) Naphthalene	10.638	128	461508	20.763	ng/u1	98
32) 4-Chloroaniline	10.750	127	187327	22.508	ng/u1	97
33) Hexachlorobutadiene	10.920	225	107020	19.244	ng/u1	95
34) Caprolactam	11.496	113	53858m	22.761	ng/u1	
35) 4-Chloro-3-methylphenol	11.896	107	166706	20.743	ng/u1	97
36) 2-Methylnaphthalene	12.254	142	329858	20.648	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.471	142	338949	20.829	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.624	216	214296	20.327	ng/ul	98
40) Hexachlorocyclopentadiene	12.601	237	42555	10.211	ng/ul	90
41) 2,4,6-Trichlorophenol	12.877	196	125534	21.068	ng/ul	95
42) 2,4,5-Trichlorophenol	12.953	196	133524	21.472	ng/ul	97
43) 1,1'-Biphenyl	13.270	154	467970	21.547	ng/ul	96
44) 2-Chloronaphthalene	13.312	162	371235	21.286	ng/ul	95
45) 2-Nitroaniline	13.523	65	127109	21.759	ng/ul	95
47) Dimethylphthalate	13.893	163	477389	21.257	ng/ul	97
48) 2,6-Dinitrotoluene	14.023	165	97837	23.457	ng/ul#	87
50) Acenaphthylene	14.164	152	597255	21.805	ng/ul	100
51) 3-Nitroaniline	14.352	138	80615	20.905	ng/ul	82
52) Acenaphthene	14.504	153	420127	21.641	ng/ul	95
53) 2,4-Dinitrophenol	14.587	184	22166m	10.399	ng/ul	
55) 4-Nitrophenol	14.686	109	54604	16.562	ng/ul	94
56) Dibenzofuran	14.845	168	597556	21.832	ng/ul	94
57) 2,4-Dinitrotoluene	14.822	165	147887	23.862	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.080	232	112738	21.032	ng/ul	95
59) Diethylphthalate	15.268	149	473196	21.795	ng/ul	99
61) Fluorene	15.497	166	481709	22.041	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.486	204	258370	21.220	ng/ul	95
63) 4-Nitroaniline	15.521	138	69621	18.033	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.591	198	71139	16.759	ng/ul#	88
67) N-Nitrosodiphenylamine	15.703	169	421763	21.948	ng/ul	99
68) 4-Bromophenyl-phenylether	16.384	248	173535	21.457	ng/ul	99
69) Hexachlorobenzene	16.508	284	194644	21.481	ng/ul	99
70) Atrazine	16.661	200	175372	21.589	ng/ul	96
71) Pentachlorophenol	16.866	266	55694m	14.578	ng/ul	
72) Phenanthrene	17.236	178	862424	22.552	ng/ul	99
74) Anthracene	17.330	178	874539	22.594	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.235	216	214051	20.217	ng/ul	97
76) Pentachlorobenzene	14.769	250	221780	21.144	ng/ul	98
77) Carbazole	17.607	167	738984	23.586	ng/ul	98
78) Di-n-butylphthalate	18.165	149	888705	23.487	ng/ul	98
80) Fluoranthene	19.263	202	1020278	21.604	ng/ul	99
82) Pyrene	19.628	202	1106258	22.017	ng/ul	97
83) Butylbenzylphthalate	20.521	149	357063	23.150	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.349	252	301235	20.899	ng/ul	92
85) Benzo(a)anthracene	21.432	228	1046298	20.909	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.343	149	546663	24.365	ng/ul	99
87) Chrysene	21.496	228	989372	20.744	ng/ul	99
89) Di-n-octyl phthalate	22.477	149	898860	25.430	ng/ul	100
90) Benzo(b)fluoranthene	23.517	252	1007473	21.646	ng/ul	98
91) Benzo(k)fluoranthene	23.576	252	1039459m	22.389	ng/ul	
93) Benzo(a)pyrene	24.328	252	934887	21.400	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.871	276	1184514	22.202	ng/ul	100
95) Dibenzo(a,h)anthracene	27.930	278	955302m	22.377	ng/ul	
96) Benzo(g,h,i)perylene	28.946	276	924159	21.829	ng/ul	95

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