

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121124\
 Data File : BG063652.D
 Acq On : 11 Dec 2024 14:39
 Operator : RC/JU
 Sample : SSTD01089
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD010432

Quant Time: Dec 11 23:45:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:17:50 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.814	152	156768	20.000	ng/u1	0.00
20) Naphthalene-d8	10.605	136	692429	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.453	164	522705	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.203	188	1237403	20.000	ng/u1	0.00
79) Chrysene-d12	21.457	240	1202199	20.000	ng/u1	0.00
88) Perylene-d12	24.483	264	1296346	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.284	96	15183	4.276	ng/uL	0.00
4) Pyridine-d5	3.689	84	108230	8.239	ng/u1	0.00
7) Phenol-d5	6.991	99	131571	8.524	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.144	67	94129	9.019	ng/u1	0.00
11) 2-Chlorophenol-d4	7.350	132	91109	10.020	ng/u1	0.00
15) 4-Methylphenol-d8	8.525	113	107016	9.351	ng/u1	0.00
21) Nitrobenzene-d5	8.971	128	48287	9.935	ng/u1	0.00
24) 2-Nitrophenol-d4	9.688	143	50107	9.009	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.235	165	102598	8.567	ng/u1	0.00
31) 4-Chloroaniline-d4	10.740	131	130547	9.021	ng/u1	0.00
46) Dimethylphthalate-d6	13.860	166	357041	9.399	ng/u1	0.00
49) Acenaphthylene-d8	14.142	160	397242	9.567	ng/u1	0.00
54) 4-Nitrophenol-d4	14.676	143	37817m	7.774	ng/u1	0.00
60) Fluorene-d10	15.446	176	311007	8.305	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	54554m	7.804	ng/u1	0.00
73) Anthracene-d10	17.303	188	539151	9.542	ng/u1	0.00
81) Pyrene-d10	19.600	212	662644	9.944	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.271	264	591712	9.088	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.313	88	18582m	3.930	ng/uL	
5) Pyridine	3.707	79	125737	9.217	ng/u1	89
6) Benzaldehyde	6.956	77	104780	10.608	ng/u1	92
8) Phenol	7.021	94	142116	8.565	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.238	93	113933	9.939	ng/u1	92
12) 2-Chlorophenol	7.385	128	93488	10.160	ng/u1	97
13) 2-Methylphenol	8.260	108	103189	8.912	ng/u1	88
14) 2,2'-oxybis(1-Chloropr...	8.331	45	172660	11.200	ng/u1	100
16) Acetophenone	8.631	105	187376	8.894	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.613	70	107440	8.951	ng/u1	90
18) 4-Methylphenol	8.584	108	110892	8.722	ng/u1	94
19) Hexachloroethane	8.883	117	47725	9.706	ng/u1	91
22) Nitrobenzene	9.013	77	155008	7.884	ng/u1	97
23) Isophorone	9.530	82	300638	8.481	ng/u1	98
25) 2-Nitrophenol	9.718	139	52239m	9.426	ng/u1	
26) 2,4-Dimethylphenol	9.788	107	125094	8.283	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.011	93	164813	9.951	ng/u1	95
29) 2,4-Dichlorophenol	10.258	162	103550	8.626	ng/u1	97
30) Naphthalene	10.652	128	348668	9.782	ng/u1	99
32) 4-Chloroaniline	10.763	127	119993	8.753	ng/u1	95
33) Hexachlorobutadiene	10.940	225	83756	6.762	ng/u1	94
34) Caprolactam	11.510	113	34231m	8.711	ng/u1	
35) 4-Chloro-3-methylphenol	11.903	107	120957	8.077	ng/u1	91
36) 2-Methylnaphthalene	12.268	142	243546	8.863	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.485	142	256110	9.192	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.638	216	163809	8.061	ng/ul	91
40) Hexachlorocyclopentadiene	12.620	237	39494	4.656	ng/ul	98
41) 2,4,6-Trichlorophenol	12.884	196	90837	9.064	ng/ul	93
42) 2,4,5-Trichlorophenol	12.961	196	91874	8.497	ng/ul	96
43) 1,1'-Biphenyl	13.284	154	344062	9.916	ng/ul	91
44) 2-Chloronaphthalene	13.319	162	271778	9.504	ng/ul	97
45) 2-Nitroaniline	13.531	65	83353	8.922	ng/ul	89
47) Dimethylphthalate	13.907	163	348546	9.069	ng/ul	97
48) 2,6-Dinitrotoluene	14.030	165	62247	8.778	ng/ul	99
50) Acenaphthylene	14.171	152	429389	9.833	ng/ul	97
51) 3-Nitroaniline	14.359	138	57844	9.679	ng/ul#	79
52) Acenaphthene	14.518	153	311272	9.817	ng/ul	98
53) 2,4-Dinitrophenol	14.582	184	19402m	5.543	ng/ul	
55) 4-Nitrophenol	14.694	109	39474	5.282	ng/ul	86
56) Dibenzofuran	14.853	168	439568	8.970	ng/ul	98
57) 2,4-Dinitrotoluene	14.823	165	90444	8.087	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.088	232	83646	8.271	ng/ul	95
59) Diethylphthalate	15.276	149	336887	8.995	ng/ul	97
61) Fluorene	15.505	166	353850	8.865	ng/ul#	93
62) 4-Chlorophenyl-phenyle...	15.499	204	193719	7.536	ng/ul	97
63) 4-Nitroaniline	15.528	138	54321m	8.452	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.593	198	53742	7.700	ng/ul#	94
67) N-Nitrosodiphenylamine	15.711	169	302190	10.428	ng/ul	97
68) 4-Bromophenyl-phenylether	16.392	248	122329	8.366	ng/ul	92
69) Hexachlorobenzene	16.515	284	142366	9.045	ng/ul	98
70) Atrazine	16.662	200	124336	9.179	ng/ul	92
71) Pentachlorophenol	16.868	266	44070m	7.964	ng/ul	
72) Phenanthrene	17.250	178	609260	9.996	ng/ul	97
74) Anthracene	17.338	178	615119	9.773	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.249	216	163113	9.340	ng/ul	97
76) Pentachlorobenzene	14.776	250	161454	8.849	ng/ul	95
77) Carbazole	17.608	167	508369	10.081	ng/ul	100
78) Di-n-butylphthalate	18.172	149	596139	11.074	ng/ul	99
80) Fluoranthene	19.265	202	754055	10.069	ng/ul	99
82) Pyrene	19.629	202	805142	10.113	ng/ul#	95
83) Butylbenzylphthalate	20.528	149	222377	13.265	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.363	252	219213	10.652	ng/ul	95
85) Benzo(a)anthracene	21.439	228	765710	9.444	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.357	149	330314	13.105	ng/ul	99
87) Chrysene	21.498	228	721747	9.476	ng/ul	98
89) Di-n-octyl phthalate	22.491	149	592118	13.070	ng/ul	100
90) Benzo(b)fluoranthene	23.525	252	726873	9.026	ng/ul	99
91) Benzo(k)fluoranthene	23.584	252	744695	9.303	ng/ul	99
93) Benzo(a)pyrene	24.336	252	677730	8.973	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	27.879	276	824189m	9.046	ng/ul	
95) Dibenzo(a,h)anthracene	27.926	278	661188m	9.048	ng/ul	
96) Benzo(g,h,i)perylene	28.936	276	656213m	9.476	ng/ul	

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

