

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121824\
 Data File : BG063745.D
 Acq On : 19 Dec 2024 4:11
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020573

Quant Time: Dec 19 04:51:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2024
 Supervised By :mohammad ahmed 12/21/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	117864	20.000	ng/u1	0.00
20) Naphthalene-d8	10.587	136	491816	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.442	164	379534	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.191	188	977646	20.000	ng/u1	-0.02
79) Chrysene-d12	21.439	240	1035742	20.000	ng/u1	-0.02
88) Perylene-d12	24.448	264	1083384	20.000	ng/u1	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.261	96	22731	7.558	ng/uL	-0.02
4) Pyridine-d5	3.666	84	181669	19.147	ng/u1	-0.02
7) Phenol-d5	6.986	99	206161	18.992	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.133	67	139684	18.631	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.338	132	137536	19.571	ng/u1	0.00
15) 4-Methylphenol-d8	8.519	113	168999	20.053	ng/u1	0.00
21) Nitrobenzene-d5	8.954	128	73411	20.905	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.677	143	83336	21.171	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.223	165	161917	21.246	ng/u1	0.00
31) 4-Chloroaniline-d4	10.728	131	203678	21.048	ng/u1	-0.02
46) Dimethylphthalate-d6	13.848	166	530284	20.533	ng/u1	0.00
49) Acenaphthylene-d8	14.130	160	618764	21.018	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.671	143	79253	21.659	ng/u1	0.00
60) Fluorene-d10	15.435	176	508397	22.265	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.570	200	98196	19.345	ng/u1	0.00
73) Anthracene-d10	17.291	188	920779	21.906	ng/u1	-0.02
81) Pyrene-d10	19.589	212	1130868	20.982	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.248	264	1073448	21.099	ng/u1	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.296	88	26776m	7.523	ng/uL	
5) Pyridine	3.690	79	191163	18.810	ng/u1	90
6) Benzaldehyde	6.945	77	152353	22.881	ng/u1	90
8) Phenol	7.015	94	227900	19.699	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.227	93	170494	19.262	ng/u1	98
12) 2-Chlorophenol	7.374	128	144673	20.337	ng/u1	99
13) 2-Methylphenol	8.255	108	159753	19.106	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.319	45	250522	19.065	ng/u1	98
16) Acetophenone	8.619	105	280321	19.610	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.601	70	161354	18.917	ng/u1	89
18) 4-Methylphenol	8.584	108	180073	19.677	ng/u1	93
19) Hexachloroethane	8.872	117	64286	18.392	ng/u1	99
22) Nitrobenzene	8.995	77	228616	19.496	ng/u1	97
23) Isophorone	9.518	82	425334	19.197	ng/u1	97
25) 2-Nitrophenol	9.706	139	87267	21.572	ng/u1	94
26) 2,4-Dimethylphenol	9.777	107	188981	20.587	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.000	93	239905	20.019	ng/u1#	94
29) 2,4-Dichlorophenol	10.253	162	162287	21.431	ng/u1	94
30) Naphthalene	10.640	128	506855	20.613	ng/u1	99
32) 4-Chloroaniline	10.752	127	202776	22.024	ng/u1	99
33) Hexachlorobutadiene	10.922	225	113708	18.483	ng/u1	96
34) Caprolactam	11.498	113	64654	24.699	ng/u1	91
35) 4-Chloro-3-methylphenol	11.898	107	184260	20.726	ng/u1	92
36) 2-Methylnaphthalene	12.250	142	369590	20.913	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.473	142	376239	20.901	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.626	216	231974	19.093	ng/ul	98
40) Hexachlorocyclopentadiene	12.603	237	86229	17.953	ng/ul	96
41) 2,4,6-Trichlorophenol	12.873	196	140272	20.427	ng/ul	96
42) 2,4,5-Trichlorophenol	12.955	196	147470	20.577	ng/ul	98
43) 1,1'-Biphenyl	13.272	154	511057	20.418	ng/ul	96
44) 2-Chloronaphthalene	13.314	162	411328	20.465	ng/ul	99
45) 2-Nitroaniline	13.519	65	148372	22.038	ng/ul	89
47) Dimethylphthalate	13.895	163	531158	20.522	ng/ul	97
48) 2,6-Dinitrotoluene	14.019	165	105970	22.045	ng/ul	89
50) Acenaphthylene	14.160	152	668492	21.177	ng/ul	99
51) 3-Nitroaniline	14.354	138	114422	25.746	ng/ul	83
52) Acenaphthene	14.506	153	469133	20.968	ng/ul	97
53) 2,4-Dinitrophenol	14.577	184	46550m	18.949	ng/ul	
55) 4-Nitrophenol	14.688	109	72371	19.047	ng/ul	90
56) Dibenzofuran	14.841	168	686116	21.751	ng/ul	96
57) 2,4-Dinitrotoluene	14.818	165	167529	23.455	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.076	232	133319	21.581	ng/ul	99
59) Diethylphthalate	15.264	149	548820	21.934	ng/ul	95
61) Fluorene	15.493	166	562948	22.350	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.488	204	294055	20.956	ng/ul	93
63) 4-Nitroaniline	15.517	138	120785	27.147	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.587	198	102726	19.644	ng/ul	92
67) N-Nitrosodiphenylamine	15.699	169	500227	21.130	ng/ul	99
68) 4-Bromophenyl-phenylether	16.381	248	205801	20.655	ng/ul	96
69) Hexachlorobenzene	16.504	284	234752	21.029	ng/ul	98
70) Atrazine	16.651	200	226353	22.619	ng/ul	96
71) Pentachlorophenol	16.857	266	77903m	16.552	ng/ul	
72) Phenanthrene	17.233	178	1057501	22.446	ng/ul	97
74) Anthracene	17.327	178	1094409	22.951	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.237	216	224867	17.239	ng/ul	94
76) Pentachlorobenzene	14.765	250	242083	18.734	ng/ul	97
77) Carbazole	17.597	167	957021	24.794	ng/ul	97
78) Di-n-butylphthalate	18.155	149	1117004	23.962	ng/ul	98
80) Fluoranthene	19.254	202	1326694	21.657	ng/ul	97
82) Pyrene	19.618	202	1388908	21.310	ng/ul	95
83) Butylbenzylphthalate	20.511	149	482880	24.135	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.340	252	429928	22.994	ng/ul	93
85) Benzo(a)anthracene	21.422	228	1327606	20.453	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.334	149	700493	24.069	ng/ul	99
87) Chrysene	21.481	228	1272858	20.574	ng/ul	98
89) Di-n-octyl phthalate	22.462	149	1213643	25.954	ng/ul	100
90) Benzo(b)fluoranthene	23.502	252	1310340	21.281	ng/ul	100
91) Benzo(k)fluoranthene	23.560	252	1286990m	20.954	ng/ul	
93) Benzo(a)pyrene	24.307	252	1213471	20.996	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.850	276	1510572	21.401	ng/ul	98
95) Dibenzo(a,h)anthracene	27.897	278	1232487	21.823	ng/ul	95
96) Benzo(g,h,i)perylene	28.907	276	1168956	20.871	ng/ul	99

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

