

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080824\
 Data File : BG062324.D
 Acq On : 8 Aug 2024 7:57
 Operator : MA/JU
 Sample : PB162446BS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS446

Quant Time: Aug 08 08:46:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG080524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 07 01:46:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/09/2024
 Supervised By :mohammad ahmed 08/12/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.960	152	69653	20.000	ng/u1	0.00
20) Naphthalene-d8	10.750	136	326631	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.575	164	255269	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.318	188	542768	20.000	ng/u1	0.00
79) Chrysene-d12	21.559	240	540182	20.000	ng/u1	0.00
88) Perylene-d12	24.643	264	616474	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.419	96	8877	5.495	ng/uL	0.00
4) Pyridine-d5	3.824	84	123592	24.320	ng/u1	0.00
7) Phenol-d5	7.114	99	188828	28.403	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.290	67	113019	27.617	ng/u1	0.00
11) 2-Chlorophenol-d4	7.490	132	133565	28.041	ng/u1	0.00
15) 4-Methylphenol-d8	8.659	113	153932	27.798	ng/u1	0.00
21) Nitrobenzene-d5	9.111	128	70068	34.789	ng/u1	0.00
24) 2-Nitrophenol-d4	9.834	143	78547	41.457	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.369	165	159019	28.897	ng/u1	0.00
31) 4-Chloroaniline-d4	10.880	131	195033	24.436	ng/u1	0.00
46) Dimethylphthalate-d6	13.987	166	506896	25.737	ng/u1	0.00
49) Acenaphthylene-d8	14.269	160	583028	26.109	ng/u1	0.00
54) 4-Nitrophenol-d4	14.757	143	84884	30.785	ng/u1	0.00
60) Fluorene-d10	15.567	176	466781	26.404	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.679	200	75279	46.832	ng/u1	0.00
73) Anthracene-d10	17.418	188	705945	26.966	ng/u1	0.00
81) Pyrene-d10	19.697	212	869249	27.074	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.438	264	890908	27.034	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.454	88	16580	9.091	ng/uL#	90
5) Pyridine	3.842	79	130737	24.750	ng/u1	92
6) Benzaldehyde	7.096	77	96335	27.419	ng/u1	98
8) Phenol	7.144	94	198271	28.264	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.378	93	142175	27.348	ng/u1	96
12) 2-Chlorophenol	7.519	128	142957	28.249	ng/u1	91
13) 2-Methylphenol	8.389	108	145455	27.499	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.483	45	296245	27.890	ng/u1	99
16) Acetophenone	8.777	105	241821	27.422	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.765	70	130079	27.755	ng/u1	93
18) 4-Methylphenol	8.718	108	166740	28.150	ng/u1	95
19) Hexachloroethane	9.041	117	55253	29.379	ng/u1	99
22) Nitrobenzene	9.153	77	186553	32.571	ng/u1	99
23) Isophorone	9.681	82	370322	26.877	ng/u1	98
25) 2-Nitrophenol	9.863	139	87800	38.204	ng/u1	95
26) 2,4-Dimethylphenol	9.922	107	151925	23.096	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.163	93	211408	27.207	ng/u1	99
29) 2,4-Dichlorophenol	10.398	162	155908	27.954	ng/u1	99
30) Naphthalene	10.803	128	498685	26.860	ng/u1	99
32) 4-Chloroaniline	10.903	127	177796	22.791	ng/u1	100
33) Hexachlorobutadiene	11.097	225	109678	25.983	ng/u1	99
34) Caprolactam	11.661	113	55635m	28.518	ng/u1	
35) 4-Chloro-3-methylphenol	12.019	107	183297	29.288	ng/u1	99
36) 2-Methylnaphthalene	12.407	142	370081	28.933	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.624	142	370190	27.934	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.771	216	236287	28.352	ng/ul	99
40) Hexachlorocyclopentadiene	12.759	237	96734	29.867	ng/ul	99
41) 2,4,6-Trichlorophenol	13.006	196	130241	26.944	ng/ul	98
42) 2,4,5-Trichlorophenol	13.077	196	145296	27.899	ng/ul	96
43) 1,1'-Biphenyl	13.411	154	515346	26.646	ng/ul	99
44) 2-Chloronaphthalene	13.453	162	407258	27.100	ng/ul	99
45) 2-Nitroaniline	13.646	65	133971	35.002	ng/ul	97
47) Dimethylphthalate	14.034	163	521425	26.390	ng/ul	100
48) 2,6-Dinitrotoluene	14.146	165	100986	37.435	ng/ul	96
50) Acenaphthylene	14.299	152	655880	27.566	ng/ul	98
51) 3-Nitroaniline	14.469	138	102462	33.364	ng/ul#	93
52) Acenaphthene	14.639	153	457002	25.798	ng/ul	99
53) 2,4-Dinitrophenol	14.674	184	45408	42.333	ng/ul#	82
55) 4-Nitrophenol	14.774	109	71851	29.132	ng/ul	92
56) Dibenzofuran	14.974	168	653785	26.716	ng/ul	99
57) 2,4-Dinitrotoluene	14.933	165	146840	39.681	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.197	232	120139	25.618	ng/ul	97
59) Diethylphthalate	15.403	149	513337	25.730	ng/ul	98
61) Fluorene	15.626	166	497669	26.008	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.620	204	256728	26.022	ng/ul	97
63) 4-Nitroaniline	15.632	138	104317	35.246	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.697	198	83780	45.235	ng/ul	95
67) N-Nitrosodiphenylamine	15.832	169	445880	27.414	ng/ul	97
68) 4-Bromophenyl-phenylether	16.513	248	177094	28.637	ng/ul	97
69) Hexachlorobenzene	16.625	284	201597	28.023	ng/ul	96
70) Atrazine	16.772	200	18207	2.922	ng/ul	92
71) Pentachlorophenol	16.965	266	93980	24.810	ng/ul	99
72) Phenanthrene	17.359	178	832385	27.247	ng/ul	100
74) Anthracene	17.447	178	843272	26.895	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.376	216	235028	28.912	ng/ul	99
76) Pentachlorobenzene	14.898	250	231537	27.226	ng/ul	95
77) Carbazole	17.712	167	717821	27.916	ng/ul	100
78) Di-n-butylphthalate	18.287	149	870902	28.464	ng/ul	99
80) Fluoranthene	19.362	202	998046	27.492	ng/ul	99
82) Pyrene	19.726	202	1046067	27.058	ng/ul	100
83) Butylbenzylphthalate	20.619	149	391560	29.345	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.454	252	375677	30.896	ng/ul	99
85) Benzo(a)anthracene	21.536	228	1096603	27.720	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.471	149	573429	27.845	ng/ul	99
87) Chrysene	21.600	228	1029748	27.573	ng/ul	99
89) Di-n-octyl phthalate	22.652	149	1011540	28.805	ng/ul	100
90) Benzo(b)fluoranthene	23.668	252	1066623	28.443	ng/ul	99
91) Benzo(k)fluoranthene	23.739	252	1043267	27.346	ng/ul	100
93) Benzo(a)pyrene	24.502	252	953327	26.867	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.127	276	1283143	27.906	ng/ul	98
95) Dibenzo(a,h)anthracene	28.203	278	1063974	28.330	ng/ul	97
96) Benzo(g,h,i)perylene	29.220	276	992332	28.420	ng/ul	98

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

