

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092324\
 Data File : BG063022.D
 Acq On : 24 Sep 2024 10:54
 Operator : RC/JU
 Sample : PB163509BS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS509

Quant Time: Sep 24 11:38:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 18 00:45:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/26/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	22406	20.000	ng/u1	0.00
20) Naphthalene-d8	10.643	136	113097	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.492	164	98338	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.241	188	242989	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.495	240	250453	20.000	ng/u1	# 0.01
88) Perylene-d12	24.533	264	296259	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.323	96	3658	4.782	ng/uL	0.00
4) Pyridine-d5	3.728	84	50308	24.225	ng/u1	0.00
7) Phenol-d5	7.030	99	89286	38.403	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.189	67	45766	35.175	ng/u1	0.00
11) 2-Chlorophenol-d4	7.388	132	49448	32.394	ng/u1	0.00
15) 4-Methylphenol-d8	8.569	113	49031	28.788	ng/u1	0.00
21) Nitrobenzene-d5	9.010	128	23308	25.869	ng/u1	0.00
24) 2-Nitrophenol-d4	9.733	143	38482	37.647	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.267	165	79281	37.383	ng/u1	0.00
31) 4-Chloroaniline-d4	10.778	131	90426	34.261	ng/u1	0.00
46) Dimethylphthalate-d6	13.898	166	231899	31.712	ng/u1	0.00
49) Acenaphthylene-d8	14.180	160	228483	27.975	ng/u1	0.00
54) 4-Nitrophenol-d4	14.703	143	39279m	33.519	ng/u1	0.01
60) Fluorene-d10	15.485	176	236581	34.745	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.608	200	59111	40.243	ng/u1	0.00
73) Anthracene-d10	17.341	188	391164	34.062	ng/u1	0.00
81) Pyrene-d10	19.633	212	494052	32.569	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.327	264	531431	34.014	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.364	88	7733	10.215	ng/uL#	76
5) Pyridine	3.746	79	47528	22.982	ng/u1#	88
6) Benzaldehyde	7.001	77	51522	40.490	ng/u1	97
8) Phenol	7.059	94	92411	38.101	ng/u1	90
10) Bis(2-Chloroethyl)ether	7.277	93	60451	36.864	ng/u1	85
12) 2-Chlorophenol	7.424	128	45078	28.770	ng/u1#	84
13) 2-Methylphenol	8.305	108	46037	27.442	ng/u1	89
14) 2,2'-oxybis(1-Chloropr...	8.370	45	37607	18.484	ng/u1	96
16) Acetophenone	8.675	105	80186	29.931	ng/u1#	90
17) N-Nitroso-di-n-propyla...	8.663	70	42079	26.898	ng/u1#	87
18) 4-Methylphenol	8.628	108	55818	30.401	ng/u1	96
19) Hexachloroethane	8.934	117	16889	25.373	ng/u1	88
22) Nitrobenzene	9.051	77	69523	25.990	ng/u1#	96
23) Isophorone	9.574	82	162930	30.586	ng/u1#	94
25) 2-Nitrophenol	9.762	139	40878	36.418	ng/u1#	82
26) 2,4-Dimethylphenol	9.827	107	81002	32.209	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.056	93	88678	31.313	ng/u1#	86
29) 2,4-Dichlorophenol	10.297	162	77858	37.085	ng/u1	97
30) Naphthalene	10.696	128	206928	32.952	ng/u1	95
32) 4-Chloroaniline	10.802	127	82812	32.227	ng/u1	98
33) Hexachlorobutadiene	10.984	225	55924	33.327	ng/u1	96
34) Caprolactam	11.566	113	24683m	35.316	ng/u1	
35) 4-Chloro-3-methylphenol	11.936	107	92315	38.258	ng/u1	94
36) 2-Methylnaphthalene	12.306	142	160595	35.489	ng/u1	97

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37) 1-Methylnaphthalene	12.524	142	162391	35.459	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	12.676	216	122746	35.220	ng/ul	98
40) Hexachlorocyclopentadiene	12.659	237	66835	36.148	ng/ul	95
41) 2,4,6-Trichlorophenol	12.923	196	79250	36.492	ng/ul	96
42) 2,4,5-Trichlorophenol	12.994	196	85327	37.399	ng/ul	94
43) 1,1'-Biphenyl	13.323	154	242276	33.166	ng/ul	98
44) 2-Chloronaphthalene	13.364	162	197324	33.611	ng/ul	99
45) 2-Nitroaniline	13.569	65	75385	37.980	ng/ul	98
47) Dimethylphthalate	13.945	163	230995	30.874	ng/ul#	97
48) 2,6-Dinitrotoluene	14.063	165	45328	31.751	ng/ul#	84
50) Acenaphthylene	14.210	152	250695	29.155	ng/ul	98
51) 3-Nitroaniline	14.398	138	46240	36.117	ng/ul#	93
52) Acenaphthene	14.556	153	208494	33.382	ng/ul	99
53) 2,4-Dinitrophenol	14.603	184	36535	42.847	ng/ul#	80
55) 4-Nitrophenol	14.715	109	59724	45.132	ng/ul#	83
56) Dibenzofuran	14.891	168	320081	34.558	ng/ul	97
57) 2,4-Dinitrotoluene	14.856	165	79789	37.082	ng/ul#	74
58) 2,3,4,6-Tetrachlorophenol	15.120	232	81778	39.831	ng/ul#	91
59) Diethylphthalate	15.314	149	256720	30.838	ng/ul	98
61) Fluorene	15.544	166	244998	34.570	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.532	204	145532	37.215	ng/ul	97
63) 4-Nitroaniline	15.561	138	48051m	37.396	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.626	198	63382	40.337	ng/ul#	90
67) N-Nitrosodiphenylamine	15.749	169	229979	33.702	ng/ul	95
68) 4-Bromophenyl-phenylether	16.431	248	106051	39.258	ng/ul	94
69) Hexachlorobenzene	16.548	284	126835	40.665	ng/ul	92
70) Atrazine	16.701	200	94732	33.470	ng/ul	97
71) Pentachlorophenol	16.895	266	73661	41.416	ng/ul#	88
72) Phenanthrene	17.283	178	436437	33.810	ng/ul	99
74) Anthracene	17.377	178	441130	33.095	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.287	216	124542	33.611	ng/ul	97
76) Pentachlorobenzene	14.809	250	142020	36.315	ng/ul	96
77) Carbazole	17.641	167	358059	33.741	ng/ul	99
78) Di-n-butylphthalate	18.205	149	405415	29.704	ng/ul	97
80) Fluoranthene	19.298	202	538312	32.518	ng/ul#	93
82) Pyrene	19.662	202	567449	32.153	ng/ul#	90
83) Butylbenzylphthalate	20.561	149	187362	30.546	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.395	252	203286	36.189	ng/ul#	97
85) Benzo(a)anthracene	21.472	228	596325	33.610	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.390	149	263224	29.703	ng/ul#	98
87) Chrysene	21.536	228	560281	33.750	ng/ul	98
89) Di-n-octyl phthalate	22.541	149	455778	29.049	ng/ul	100
90) Benzo(b)fluoranthene	23.575	252	616036	34.155	ng/ul#	98
91) Benzo(k)fluoranthene	23.640	252	621900	34.609	ng/ul#	98
93) Benzo(a)pyrene	24.398	252	579041	34.151	ng/ul#	93
94) Indeno(1,2,3-cd)pyrene	27.970	276	489801	23.575	ng/ul#	85
95) Dibenzo(a,h)anthracene	28.023	278	398894	24.017	ng/ul#	91
96) Benzo(g,h,i)perylene	29.045	276	371695	23.300	ng/ul#	91

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

