

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
 Data File : BG058181.D
 Acq On : 12 Jul 2023 11:00
 Operator : CG/JU
 Sample : PB153937BS
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS937

Quant Time: Jul 12 22:11:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 10 16:52:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.972	152	40081	20.000	ng/u1	0.00
20) Naphthalene-d8	10.775	136	189887	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.600	164	133072	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.343	188	309999	20.000	ng/u1	0.00
79) Chrysene-d12	21.597	240	267183	20.000	ng/u1	0.00
88) Perylene-d12	24.788	264	310286	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.401	96	7729	6.752	ng/uL	0.00
4) Pyridine-d5	3.812	84	117193	33.725	ng/u1	0.00
7) Phenol-d5	7.132	99	158981	38.840	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.296	67	91271	37.001	ng/u1	0.00
11) 2-Chlorophenol-d4	7.502	132	107164	37.959	ng/u1	0.00
15) 4-Methylphenol-d8	8.677	113	116833	37.827	ng/u1	0.00
21) Nitrobenzene-d5	9.135	128	56582	36.560	ng/u1	0.00
24) 2-Nitrophenol-d4	9.852	143	64369	39.573	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.399	165	119450	38.281	ng/u1	0.00
31) 4-Chloroaniline-d4	10.910	131	157769	33.349	ng/u1	0.00
46) Dimethylphthalate-d6	14.000	166	366011	34.860	ng/u1	0.00
49) Acenaphthylene-d8	14.294	160	423949	37.002	ng/u1	0.00
54) 4-Nitrophenol-d4	14.799	143	64140	34.576	ng/u1	0.00
60) Fluorene-d10	15.587	176	329341	36.935	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	61987	36.825	ng/u1	0.00
73) Anthracene-d10	17.443	188	509410	35.413	ng/u1	0.00
81) Pyrene-d10	19.723	212	607583	36.107	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.570	264	641706	40.593	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.436	88	16893	11.947	ng/uL	95
5) Pyridine	3.830	79	110882	31.143	ng/u1	98
6) Benzaldehyde	7.108	77	74001	54.134	ng/u1	98
8) Phenol	7.161	94	151867	36.561	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.390	93	111056	34.627	ng/u1	96
12) 2-Chlorophenol	7.537	128	104860	35.694	ng/u1	98
13) 2-Methylphenol	8.413	108	115611	35.440	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.489	45	171483	34.735	ng/u1	98
16) Acetophenone	8.795	105	183063	35.724	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.777	70	93583	34.162	ng/u1	99
18) 4-Methylphenol	8.742	108	127556	36.161	ng/u1	98
19) Hexachloroethane	9.053	117	40060	35.570	ng/u1	98
22) Nitrobenzene	9.177	77	137670	34.266	ng/u1	95
23) Isophorone	9.694	82	281028	32.781	ng/u1	98
25) 2-Nitrophenol	9.887	139	63777	36.541	ng/u1	97
26) 2,4-Dimethylphenol	9.940	107	114780	29.245	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.175	93	161402	33.410	ng/u1	99
29) 2,4-Dichlorophenol	10.422	162	107937	35.578	ng/u1	97
30) Naphthalene	10.828	128	367825	34.469	ng/u1	99
32) 4-Chloroaniline	10.933	127	124309	25.698	ng/u1	97
33) Hexachlorobutadiene	11.104	225	73666	34.298	ng/u1	98
34) Caprolactam	11.691	113	39623m	32.485	ng/u1	
35) 4-Chloro-3-methylphenol	12.055	107	136873	36.727	ng/u1	99
36) 2-Methylnaphthalene	12.432	142	245964	34.193	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.649	142	248805	34.491	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.796	216	144503	35.633	ng/ul	99
40) Hexachlorocyclopentadiene	12.772	237	43662	17.093	ng/ul#	95
41) 2,4,6-Trichlorophenol	13.037	196	94820	34.499	ng/ul	96
42) 2,4,5-Trichlorophenol	13.107	196	104798	35.256	ng/ul	99
43) 1,1'-Biphenyl	13.436	154	332506	34.673	ng/ul	99
44) 2-Chloronaphthalene	13.477	162	268910	34.939	ng/ul	99
45) 2-Nitroaniline	13.683	65	95896	35.837	ng/ul	96
47) Dimethylphthalate	14.047	163	347696	32.961	ng/ul	99
48) 2,6-Dinitrotoluene	14.177	165	76851	35.493	ng/ul	99
50) Acenaphthylene	14.323	152	429937	34.749	ng/ul	97
51) 3-Nitroaniline	14.506	138	75888	41.473	ng/ul	99
52) Acenaphthene	14.664	153	293903	34.617	ng/ul	98
53) 2,4-Dinitrophenol	14.711	184	35682	31.610	ng/ul	92
55) 4-Nitrophenol	14.811	109	45822	33.344	ng/ul	86
56) Dibenzofuran	14.999	168	418986	34.717	ng/ul	99
57) 2,4-Dinitrotoluene	14.958	165	107813	35.144	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.222	232	84258	31.138	ng/ul	98
59) Diethylphthalate	15.410	149	359303	32.635	ng/ul	99
61) Fluorene	15.645	166	339153	34.249	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.634	204	179855	34.326	ng/ul	99
63) 4-Nitroaniline	15.669	138	73378	44.765	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.722	198	60587	35.196	ng/ul	98
67) N-Nitrosodiphenylamine	15.851	169	289899	35.139	ng/ul	100
68) 4-Bromophenyl-phenylether	16.527	248	123643	36.336	ng/ul	97
69) Hexachlorobenzene	16.650	284	135454	35.554	ng/ul	98
70) Atrazine	16.791	200	58919	17.464	ng/ul	97
71) Pentachlorophenol	16.991	266	63433	27.734	ng/ul	98
72) Phenanthrene	17.385	178	550254	34.895	ng/ul	100
74) Anthracene	17.473	178	539765	33.826	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.401	216	151814	36.926	ng/uL	100
76) Pentachlorobenzene	14.917	250	363744	82.841	ng/uL	99
77) Carbazole	17.743	167	503237	34.870	ng/ul	98
78) Di-n-butylphthalate	18.295	149	623377	33.909	ng/ul	99
80) Fluoranthene	19.394	202	651044	33.389	ng/ul	98
82) Pyrene	19.758	202	658348	33.542	ng/ul	99
83) Butylbenzylphthalate	20.634	149	282076	35.441	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.497	252	261972	40.501	ng/ul	100
85) Benzo(a)anthracene	21.580	228	668807	34.863	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.474	149	397734	34.872	ng/ul	98
87) Chrysene	21.644	228	631643	35.123	ng/ul	98
89) Di-n-octyl phthalate	22.672	149	710736	37.280	ng/ul	100
90) Benzo(b)fluoranthene	23.777	252	691225	35.979	ng/ul	99
91) Benzo(k)fluoranthene	23.842	252	698643	37.100	ng/ul	99
93) Benzo(a)pyrene	24.641	252	628545	36.963	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.430	276	799491m	35.406	ng/ul	
95) Dibenzo(a,h)anthracene	28.489	278	660234	35.458	ng/ul	99
96) Benzo(g,h,i)perylene	29.570	276	600623m	32.565	ng/ul	

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

