

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072123\
 Data File : BG058397.D
 Acq On : 21 Jul 2023 21:32
 Operator : CG/JU
 Sample : PB154123BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS123

Quant Time: Jul 22 02:28:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 02:19:39 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.894	152	57392	20.000	ng/u1	0.00
20) Naphthalene-d8	10.696	136	246152	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.533	164	162395	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.283	188	360901	20.000	ng/u1	0.00
79) Chrysene-d12	21.531	240	287586	20.000	ng/u1	0.00
88) Perylene-d12	24.668	264	357595	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	9704	6.223	ng/uL	0.00
4) Pyridine-d5	3.746	84	151751	32.788	ng/u1	0.00
7) Phenol-d5	7.065	99	188841	34.685	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.224	67	112055	32.930	ng/u1	0.00
11) 2-Chlorophenol-d4	7.430	132	133257	34.966	ng/u1	0.00
15) 4-Methylphenol-d8	8.605	113	137603	33.135	ng/u1	0.00
21) Nitrobenzene-d5	9.057	128	67211	36.428	ng/u1	0.00
24) 2-Nitrophenol-d4	9.780	143	76042	37.752	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.320	165	142240	36.837	ng/u1	0.00
31) 4-Chloroaniline-d4	10.832	131	177071	31.633	ng/u1	0.00
46) Dimethylphthalate-d6	13.940	166	403553	32.226	ng/u1	0.00
49) Acenaphthylene-d8	14.228	160	472354	35.993	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	64283	33.990	ng/u1	0.00
60) Fluorene-d10	15.526	176	360159	34.738	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.649	200	44396	24.145	ng/u1	0.00
73) Anthracene-d10	17.377	188	544961	34.947	ng/u1	0.00
81) Pyrene-d10	19.668	212	622070	36.623	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.457	264	631674	36.547	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.376	88	23273	13.158	ng/uL#	95
5) Pyridine	3.769	79	147362	30.149	ng/u1	95
6) Benzaldehyde	7.036	77	107433m	48.861	ng/u1	
8) Phenol	7.089	94	184681	32.664	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.318	93	136783	31.580	ng/u1	96
12) 2-Chlorophenol	7.459	128	130754	32.777	ng/u1	99
13) 2-Methylphenol	8.340	108	138947	31.531	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.423	45	225783m	31.809	ng/u1	
16) Acetophenone	8.716	105	214594	30.343	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.699	70	110802	28.626	ng/u1	98
18) 4-Methylphenol	8.669	108	149615	31.242	ng/u1	97
19) Hexachloroethane	8.975	117	51783	32.931	ng/u1	91
22) Nitrobenzene	9.098	77	164097	33.351	ng/u1	98
23) Isophorone	9.615	82	324410	29.408	ng/u1	99
25) 2-Nitrophenol	9.809	139	74836	34.783	ng/u1	95
26) 2,4-Dimethylphenol	9.868	107	137956	28.757	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.103	93	188311	32.233	ng/u1	98
29) 2,4-Dichlorophenol	10.350	162	129285	35.277	ng/u1	96
30) Naphthalene	10.749	128	438460	33.325	ng/u1	99
32) 4-Chloroaniline	10.861	127	169809	29.681	ng/u1	100
33) Hexachlorobutadiene	11.025	225	90487	34.529	ng/u1	95
34) Caprolactam	11.625	113	42711m	28.059	ng/u1	
35) 4-Chloro-3-methylphenol	11.989	107	150750	32.322	ng/u1	96
36) 2-Methylnaphthalene	12.359	142	287960	32.667	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.577	142	286276	31.687	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.729	216	170590	36.288	ng/ul	99
40) Hexachlorocyclopentadiene	12.700	237	54810	21.678	ng/ul	99
41) 2,4,6-Trichlorophenol	12.970	196	116069	36.473	ng/ul	97
42) 2,4,5-Trichlorophenol	13.047	196	120135	35.402	ng/ul	98
43) 1,1'-Biphenyl	13.364	154	375122	34.161	ng/ul	98
44) 2-Chloronaphthalene	13.411	162	303733	34.788	ng/ul	98
45) 2-Nitroaniline	13.616	65	105889	34.915	ng/ul	96
47) Dimethylphthalate	13.987	163	388340	30.874	ng/ul	99
48) 2,6-Dinitrotoluene	14.110	165	85767	35.286	ng/ul	95
50) Acenaphthylene	14.257	152	476954	33.669	ng/ul	100
51) 3-Nitroaniline	14.445	138	78448	38.728	ng/ul	92
52) Acenaphthene	14.598	153	332357	33.792	ng/ul	99
53) 2,4-Dinitrophenol	14.651	184	21706	16.779	ng/ul	98
55) 4-Nitrophenol	14.756	109	48044	32.986	ng/ul	92
56) Dibenzofuran	14.933	168	465498	33.240	ng/ul	100
57) 2,4-Dinitrotoluene	14.903	165	119222	34.007	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.162	232	103780	33.101	ng/ul#	97
59) Diethylphthalate	15.350	149	402155	31.035	ng/ul	99
61) Fluorene	15.585	166	376140	32.752	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.573	204	199498	32.722	ng/ul	98
63) 4-Nitroaniline	15.608	138	77173	42.104	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.667	198	45005	23.790	ng/ul	100
67) N-Nitrosodiphenylamine	15.790	169	318975	35.655	ng/ul	98
68) 4-Bromophenyl-phenylether	16.466	248	136678	35.755	ng/ul	95
69) Hexachlorobenzene	16.589	284	149607	34.684	ng/ul	99
70) Atrazine	16.736	200	121180	34.549	ng/ul	95
71) Pentachlorophenol	16.930	266	79053	32.650	ng/ul	95
72) Phenanthrene	17.324	178	586497	34.196	ng/ul	98
74) Anthracene	17.412	178	580250	33.700	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.334	216	167773	37.062	ng/uL	97
76) Pentachlorobenzene	14.856	250	173030	34.953	ng/uL	94
77) Carbazole	17.682	167	540357	36.204	ng/ul	99
78) Di-n-butylphthalate	18.235	149	679496	35.828	ng/ul	99
80) Fluoranthene	19.333	202	688415	35.378	ng/ul	98
82) Pyrene	19.698	202	682926	34.637	ng/ul	99
83) Butylbenzylphthalate	20.579	149	294763	37.966	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.431	252	240155	37.409	ng/ul	98
85) Benzo(a)anthracene	21.513	228	685978	35.488	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.413	149	418864	37.931	ng/ul	100
87) Chrysene	21.578	228	638891	34.845	ng/ul	97
89) Di-n-octyl phthalate	22.582	149	738167	38.797	ng/ul	100
90) Benzo(b)fluoranthene	23.669	252	721067	34.851	ng/ul	99
91) Benzo(k)fluoranthene	23.734	252	687399	33.312	ng/ul	99
93) Benzo(a)pyrene	24.521	252	634519	34.480	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.246	276	853109	35.186	ng/ul	98
95) Dibenzo(a,h)anthracene	28.305	278	710093	35.715	ng/ul	99
96) Benzo(g,h,i)perylene	29.369	276	699650	35.418	ng/ul	100

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

