

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110223\
 Data File : BG059600.D
 Acq On : 2 Nov 2023 11:36
 Operator : MA/JU
 Sample : PB156592BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS592

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023

Quant Time: Nov 03 04:08:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	76371	20.000	ng/u1	# 0.00
20) Naphthalene-d8	11.205	136	482572	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.982	164	302229	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.732	188	667249	20.000	ng/u1	-0.01
79) Chrysene-d12	22.068	240	511248	20.000	ng/u1	-0.01
88) Perylene-d12	25.670	264	574925	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.649	96	8904	4.362	ng/uL	0.00
4) Pyridine-d5	4.083	84	140158	24.572	ng/u1	0.00
7) Phenol-d5	7.468	99	235148	29.963	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.673	67	96282	26.710	ng/u1	0.00
11) 2-Chlorophenol-d4	7.867	132	187197	29.402	ng/u1	0.00
15) 4-Methylphenol-d8	9.042	113	188469	30.270	ng/u1	0.00
21) Nitrobenzene-d5	9.548	128	92872	27.067	ng/u1	-0.01
24) 2-Nitrophenol-d4	10.270	143	145652	41.349	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.799	165	259406	33.425	ng/u1	0.00
31) 4-Chloroaniline-d4	11.346	131	373982	29.273	ng/u1	0.00
46) Dimethylphthalate-d6	14.377	166	828694	30.265	ng/u1	-0.01
49) Acenaphthylene-d8	14.683	160	974209	30.318	ng/u1	-0.01
54) 4-Nitrophenol-d4	15.153	143	177173	37.733	ng/u1	0.00
60) Fluorene-d10	15.970	176	714014	30.513	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	16.075	200	135525	42.889	ng/u1	0.00
73) Anthracene-d10	17.832	188	1104941	30.566	ng/u1	-0.01
81) Pyrene-d10	20.106	212	1125007	31.658	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.423	264	1071715	31.656	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.684	88	17978	7.869	ng/uL#	95
5) Pyridine	4.107	79	127662	22.690	ng/u1#	87
6) Benzaldehyde	7.497	77	94561	26.751	ng/u1	89
8) Phenol	7.497	94	225947	30.539	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.767	93	154174	28.416	ng/u1	94
12) 2-Chlorophenol	7.903	128	198856	31.504	ng/u1	94
13) 2-Methylphenol	8.772	108	184472	29.909	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.860	45	127571	24.985	ng/u1#	87
16) Acetophenone	9.195	105	297770	30.339	ng/u1	88
17) N-Nitroso-di-n-propyla...	9.160	70	124870	27.002	ng/u1#	96
18) 4-Methylphenol	9.107	108	200601	30.568	ng/u1	100
19) Hexachloroethane	9.442	117	72457	28.903	ng/u1	95
22) Nitrobenzene	9.595	77	204719	27.642	ng/u1	98
23) Isophorone	10.106	82	534013	28.632	ng/u1#	92
25) 2-Nitrophenol	10.306	139	147263	38.872	ng/u1#	86
26) 2,4-Dimethylphenol	10.323	107	305038	30.612	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.588	93	300907	28.975	ng/u1#	97
29) 2,4-Dichlorophenol	10.829	162	242606	32.312	ng/u1	90
30) Naphthalene	11.252	128	889241	29.565	ng/u1	99
32) 4-Chloroaniline	11.369	127	325532	26.825	ng/u1	91
33) Hexachlorobutadiene	11.481	225	138692	30.791	ng/u1	93
34) Caprolactam	12.145	113	92944m	33.837	ng/u1	
35) 4-Chloro-3-methylphenol	12.433	107	308048	34.385	ng/u1	95
36) 2-Methylnaphthalene	12.832	142	644961	31.169	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.049	142	627639	30.453	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.173	216	275869	31.647	ng/ul	97
40) Hexachlorocyclopentadiene	13.126	237	145551	28.643	ng/ul#	86
41) 2,4,6-Trichlorophenol	13.414	196	208288	34.507	ng/ul	98
42) 2,4,5-Trichlorophenol	13.478	196	213590	32.685	ng/ul	98
43) 1,1'-Biphenyl	13.819	154	828701	30.310	ng/ul	95
44) 2-Chloronaphthalene	13.872	162	647615	30.476	ng/ul	98
45) 2-Nitroaniline	14.084	65	177121	44.796	ng/ul	92
47) Dimethylphthalate	14.424	163	828674	30.633	ng/ul	97
48) 2,6-Dinitrotoluene	14.565	165	162128	39.729	ng/ul#	84
50) Acenaphthylene	14.718	152	1144047	30.901	ng/ul	96
51) 3-Nitroaniline	14.906	138	192987	37.941	ng/ul#	73
52) Acenaphthene	15.047	153	748589	31.018	ng/ul	95
53) 2,4-Dinitrophenol	15.094	184	95297	41.100	ng/ul#	78
55) 4-Nitrophenol	15.170	109	210056	40.593	ng/ul	88
56) Dibenzofuran	15.382	168	1003219	32.064	ng/ul	100
57) 2,4-Dinitrotoluene	15.341	165	250182	43.584	ng/ul#	86
58) 2,3,4,6-Tetrachlorophenol	15.582	232	177496	34.607	ng/ul#	92
59) Diethylphthalate	15.770	149	912895	30.935	ng/ul#	96
61) Fluorene	16.028	166	854069	31.620	ng/ul	98
62) 4-Chlorophenyl-phenyle...	16.011	204	376774	32.640	ng/ul	91
63) 4-Nitroaniline	16.064	138	201394m	37.308	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.087	198	135875	40.800	ng/ul#	63
67) N-Nitrosodiphenylamine	16.228	169	730924	32.059	ng/ul	97
68) 4-Bromophenyl-phenylether	16.910	248	231286	34.639	ng/ul	93
69) Hexachlorobenzene	16.998	284	261784	33.924	ng/ul	95
70) Atrazine	17.156	200	198539	28.102	ng/ul	92
71) Pentachlorophenol	17.350	266	159113	36.093	ng/ul	97
72) Phenanthrene	17.779	178	1327996	30.615	ng/ul	98
74) Anthracene	17.867	178	1359315	31.036	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.778	216	274412	30.883	ng/uL	92
76) Pentachlorobenzene	15.270	250	266118	31.561	ng/uL	95
77) Carbazole	18.143	167	1231602	32.733	ng/ul	97
78) Di-n-butylphthalate	18.649	149	1543834	29.863	ng/ul	99
80) Fluoranthene	19.765	202	1398428	32.283	ng/ul	98
82) Pyrene	20.135	202	1435631	31.906	ng/ul#	95
83) Butylbenzylphthalate	20.993	149	699441	34.420	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.957	252	452370	34.026	ng/ul	92
85) Benzo(a)anthracene	22.045	228	1352498	32.147	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.886	149	993038	32.751	ng/ul	98
87) Chrysene	22.121	228	1215253	31.051	ng/ul	97
89) Di-n-octyl phthalate	23.232	149	1696187	33.697	ng/ul	100
90) Benzo(b)fluoranthene	24.507	252	1306722	31.355	ng/ul#	97
91) Benzo(k)fluoranthene	24.583	252	1314817	31.585	ng/ul	96
93) Benzo(a)pyrene	25.500	252	1228551	31.190	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.859	276	1589802m	31.844	ng/ul	
95) Dibenzo(a,h)anthracene	29.959	278	1292454	31.344	ng/ul#	97
96) Benzo(g,h,i)perylene	31.181	276	1249344m	30.575	ng/ul	

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

