

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042823\
 Data File : BG057243.D
 Acq On : 29 Apr 2023 9:17
 Operator : CG/JU
 Sample : PB152400BS
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS400

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo
 05/01/2023
 Supervised By :Jagrit
 Upadhyay
 05/01/2023

Quant Time: May 01 00:54:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 28 23:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.380	152	16112	20.000	ng/u1	0.00
20) Naphthalene-d8	11.217	136	68536	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.988	164	53056	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.726	188	126810	20.000	ng/u1	0.00
79) Chrysene-d12	22.038	240	109006	20.000	ng/u1	# 0.00
88) Perylene-d12	25.551	264	115933	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.657	96	1541	4.209	ng/uL	0.00
4) Pyridine-d5	4.097	84	27374	23.715	ng/u1	0.00
7) Phenol-d5	7.516	99	46582	30.571	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.681	67	26303	29.349	ng/u1	0.00
11) 2-Chlorophenol-d4	7.904	132	32979	32.844	ng/u1	0.00
15) 4-Methylphenol-d8	9.079	113	37108	32.042	ng/u1	0.00
21) Nitrobenzene-d5	9.555	128	17861	32.725	ng/u1	0.00
24) 2-Nitrophenol-d4	10.283	143	22161	34.791	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.829	165	41817	34.028	ng/u1	0.00
31) 4-Chloroaniline-d4	11.340	131	44753	27.477	ng/u1	0.00
46) Dimethylphthalate-d6	14.378	166	134797	32.064	ng/u1	0.00
49) Acenaphthylene-d8	14.689	160	155138	32.834	ng/u1	0.00
54) 4-Nitrophenol-d4	15.171	143	19275	31.498	ng/u1	0.00
60) Fluorene-d10	15.975	176	124408	31.766	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.093	200	26573	35.368	ng/u1	0.00
73) Anthracene-d10	17.826	188	186842	32.279	ng/u1	0.00
81) Pyrene-d10	20.093	212	217577	33.627	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.304	264	201482	34.112	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.698	88	3654	9.411	ng/uL	97
5) Pyridine	4.115	79	28308	23.264	ng/u1	94
6) Benzaldehyde	7.505	77	28023m	60.215	ng/u1	
8) Phenol	7.540	94	45741	29.784	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.775	93	32937	28.656	ng/u1	96
12) 2-Chlorophenol	7.939	128	32664	30.970	ng/u1	96
13) 2-Methylphenol	8.814	108	34698	29.153	ng/u1	91
14) 2,2'-oxybis(1-Chloropr...	8.897	45	40609	27.403	ng/u1#	95
16) Acetophenone	9.208	105	58218	29.215	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.179	70	33051	28.861	ng/u1	97
18) 4-Methylphenol	9.143	108	37742	29.296	ng/u1	92
19) Hexachloroethane	9.478	117	13751	31.162	ng/u1	93
22) Nitrobenzene	9.596	77	50628	31.151	ng/u1	97
23) Isophorone	10.119	82	91306	29.528	ng/u1	99
25) 2-Nitrophenol	10.312	139	21269	32.967	ng/u1	99
26) 2,4-Dimethylphenol	10.359	107	40364	27.579	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.594	93	47343	29.453	ng/u1	98
29) 2,4-Dichlorophenol	10.859	162	38299	32.834	ng/u1	97
30) Naphthalene	11.270	128	114397	30.400	ng/u1	98
32) 4-Chloroaniline	11.364	127	41128	24.234	ng/u1	96
33) Hexachlorobutadiene	11.540	225	32684	33.036	ng/u1	93
34) Caprolactam	12.122	113	11351m	28.906	ng/u1	
35) 4-Chloro-3-methylphenol	12.462	107	41880	31.205	ng/u1	97
36) 2-Methylnaphthalene	12.844	142	85413	30.951	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.062	142	84710	30.528	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.203	216	61767	32.036	ng/ul	98
40) Hexachlorocyclopentadiene	13.179	237	22201	23.074	ng/ul	93
41) 2,4,6-Trichlorophenol	13.438	196	36424	32.437	ng/ul	95
42) 2,4,5-Trichlorophenol	13.514	196	39894	33.090	ng/ul	95
43) 1,1'-Biphenyl	13.825	154	122203	30.186	ng/ul	98
44) 2-Chloronaphthalene	13.878	162	97712	31.128	ng/ul	98
45) 2-Nitroaniline	14.072	65	30280	31.954	ng/ul	98
47) Dimethylphthalate	14.425	163	124874	29.579	ng/ul	99
48) 2,6-Dinitrotoluene	14.554	165	26940	31.008	ng/ul	96
50) Acenaphthylene	14.718	152	141974	29.568	ng/ul	98
51) 3-Nitroaniline	14.889	138	23417	38.039	ng/ul	98
52) Acenaphthene	15.053	153	100264	29.308	ng/ul	99
53) 2,4-Dinitrophenol	15.100	184	13720	29.654	ng/ul	95
55) 4-Nitrophenol	15.188	109	20122	29.007	ng/ul	91
56) Dibenzofuran	15.382	168	148882	30.137	ng/ul	96
57) 2,4-Dinitrotoluene	15.341	165	38252	30.755	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.611	232	33790	30.845	ng/ul	96
59) Diethylphthalate	15.770	149	125854	29.343	ng/ul	99
61) Fluorene	16.034	166	122936	29.429	ng/ul	99
62) 4-Chlorophenyl-phenyle...	16.011	204	73790	30.264	ng/ul	98
63) 4-Nitroaniline	16.046	138	23899	40.995	ng/ul	90
66) 4,6-Dinitro-2-methylph...	16.105	198	24090	31.465	ng/ul	98
67) N-Nitrosodiphenylamine	16.222	169	103222	31.161	ng/ul	97
68) 4-Bromophenyl-phenylether	16.904	248	49404	32.596	ng/ul	95
69) Hexachlorobenzene	17.033	284	51618	32.341	ng/ul	98
70) Atrazine	17.150	200	31647	21.496	ng/ul	97
71) Pentachlorophenol	17.379	266	22089	29.941	ng/ul	97
72) Phenanthrene	17.773	178	200141	30.308	ng/ul	99
74) Anthracene	17.861	178	199763	30.115	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.802	216	63032	33.047	ng/uL	97
76) Pentachlorobenzene	15.306	250	63876	32.901	ng/uL	98
77) Carbazole	18.125	167	168769	30.445	ng/ul	98
78) Di-n-butylphthalate	18.642	149	197070	31.088	ng/ul	100
80) Fluoranthene	19.758	202	240045	31.232	ng/ul	97
82) Pyrene	20.123	202	237919	30.578	ng/ul	98
83) Butylbenzylphthalate	20.974	149	81032	32.520	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.914	252	87597	36.184	ng/ul	96
85) Benzo(a)anthracene	22.014	228	241880	31.374	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.862	149	116831	32.238	ng/ul	95
87) Chrysene	22.091	228	225323	30.978	ng/ul	97
89) Di-n-octyl phthalate	23.166	149	194260	30.343	ng/ul	100
90) Benzo(b)fluoranthene	24.423	252	248007	30.892	ng/ul#	98
91) Benzo(k)fluoranthene	24.499	252	241431	30.911	ng/ul	99
93) Benzo(a)pyrene	25.386	252	213885	30.859	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	29.610	276	273028	31.513	ng/ul#	96
95) Dibenzo(a,h)anthracene	29.663	278	230022	32.018	ng/ul	97
96) Benzo(g,h,i)perylene	30.879	276	220621	31.464	ng/ul	97

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

