

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
 Data File : BG061374.D
 Acq On : 31 May 2024 00:42
 Operator : MA/JU
 Sample : PB161204BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS204

Quant Time: May 31 01:55:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	26074	20.000	ng/u1	0.00
20) Naphthalene-d8	10.664	136	103925	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.507	164	81077	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.257	188	190770	20.000	ng/u1	0.00
79) Chrysene-d12	21.510	240	198698	20.000	ng/u1	0.00
88) Perylene-d12	24.595	264	224475	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.332	96	3386	7.267	ng/uL	0.00
4) Pyridine-d5	3.737	84	46662	28.151	ng/u1	0.00
7) Phenol-d5	7.057	99	59736	27.898	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.204	67	36039	26.778	ng/u1	0.00
11) 2-Chlorophenol-d4	7.409	132	46270	29.199	ng/u1	0.00
15) 4-Methylphenol-d8	8.590	113	50169	27.478	ng/u1	0.00
21) Nitrobenzene-d5	9.031	128	24924	31.149	ng/u1	0.00
24) 2-Nitrophenol-d4	9.748	143	27473	29.337	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.300	165	56800	31.113	ng/u1	0.00
31) 4-Chloroaniline-d4	10.799	131	65071	27.244	ng/u1	0.00
46) Dimethylphthalate-d6	13.913	166	183799	29.229	ng/u1	0.00
49) Acenaphthylene-d8	14.201	160	206675	31.614	ng/u1	0.00
54) 4-Nitrophenol-d4	14.742	143	23484	30.208	ng/u1	0.00
60) Fluorene-d10	15.506	176	161925	29.826	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.641	200	36039	31.235	ng/u1	0.00
73) Anthracene-d10	17.357	188	268634	31.940	ng/u1	0.00
81) Pyrene-d10	19.648	212	317950	31.165	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.384	264	341073	31.605	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.373	88	7014	12.543	ng/uL	93
5) Pyridine	3.755	79	47536	28.995	ng/u1	99
6) Benzaldehyde	7.016	77	35821	31.994	ng/u1	92
8) Phenol	7.080	94	61628	28.248	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.298	93	42449	26.600	ng/u1	98
12) 2-Chlorophenol	7.445	128	47035	28.085	ng/u1	96
13) 2-Methylphenol	8.326	108	46343	27.409	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.396	45	105904	24.573	ng/u1	100
16) Acetophenone	8.690	105	78823	25.296	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.678	70	41180	24.036	ng/u1	88
18) 4-Methylphenol	8.655	108	50629	27.026	ng/u1	99
19) Hexachloroethane	8.949	117	20336	27.291	ng/u1	96
22) Nitrobenzene	9.072	77	62084	28.289	ng/u1	99
23) Isophorone	9.595	82	117403	26.298	ng/u1	98
25) 2-Nitrophenol	9.783	139	28887	28.420	ng/u1	96
26) 2,4-Dimethylphenol	9.848	107	56684	28.145	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.077	93	60959	27.241	ng/u1	99
29) 2,4-Dichlorophenol	10.324	162	53814	32.004	ng/u1	94
30) Naphthalene	10.717	128	158522	28.899	ng/u1	96
32) 4-Chloroaniline	10.829	127	57113	24.063	ng/u1	100
33) Hexachlorobutadiene	11.005	225	47529	28.918	ng/u1	97
34) Caprolactam	11.587	113	17577m	27.323	ng/u1	
35) 4-Chloro-3-methylphenol	11.969	107	61269	28.187	ng/u1	99
36) 2-Methylnaphthalene	12.327	142	111262	27.970	ng/u1	94

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.544	142	114189	27.971	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.697	216	87466	32.675	ng/ul	99
40) Hexachlorocyclopentadiene	12.674	237	17209	14.243	ng/ul	97
41) 2,4,6-Trichlorophenol	12.944	196	51288	34.016	ng/ul	97
42) 2,4,5-Trichlorophenol	13.026	196	56161	35.371	ng/ul	95
43) 1,1'-Biphenyl	13.338	154	164954	31.464	ng/ul	99
44) 2-Chloronaphthalene	13.385	162	129814	31.464	ng/ul	95
45) 2-Nitroaniline	13.590	65	50532	29.676	ng/ul	97
47) Dimethylphthalate	13.960	163	183516	28.001	ng/ul	98
48) 2,6-Dinitrotoluene	14.090	165	37212	28.953	ng/ul	96
50) Acenaphthylene	14.231	152	214747	29.623	ng/ul	100
51) 3-Nitroaniline	14.419	138	35323	31.668	ng/ul	95
52) Acenaphthene	14.572	153	140146	29.471	ng/ul	98
53) 2,4-Dinitrophenol	14.642	184	18919m	27.759	ng/ul	
55) 4-Nitrophenol	14.754	109	25623	28.033	ng/ul	95
56) Dibenzofuran	14.906	168	206308	30.342	ng/ul	99
57) 2,4-Dinitrotoluene	14.883	165	55900	28.587	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.147	232	46644	32.209	ng/ul	96
59) Diethylphthalate	15.329	149	177514	27.428	ng/ul	99
61) Fluorene	15.559	166	177462	30.165	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.553	204	101861	29.523	ng/ul	99
63) 4-Nitroaniline	15.582	138	37629	32.391	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.653	198	36968	30.572	ng/ul	91
67) N-Nitrosodiphenylamine	15.764	169	156864	32.715	ng/ul	98
68) 4-Bromophenyl-phenylether	16.446	248	70790	31.318	ng/ul	98
69) Hexachlorobenzene	16.569	284	79494	31.640	ng/ul	97
70) Atrazine	16.722	200	55870	29.443	ng/ul	92
71) Pentachlorophenol	16.922	266	26126m	29.877	ng/ul	
72) Phenanthrene	17.304	178	288286	31.135	ng/ul	100
74) Anthracene	17.392	178	289140	30.202	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.308	216	87151	34.561	ng/uL	97
76) Pentachlorobenzene	14.836	250	93808	33.647	ng/uL	96
77) Carbazole	17.662	167	247029	31.724	ng/ul	99
78) Di-n-butylphthalate	18.220	149	299937	30.741	ng/ul	100
80) Fluoranthene	19.319	202	374032	30.561	ng/ul	99
82) Pyrene	19.677	202	393440	30.970	ng/ul	98
83) Butylbenzylphthalate	20.570	149	135387	31.022	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.411	252	142364	33.755	ng/ul	99
85) Benzo(a)anthracene	21.493	228	424221	30.942	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.405	149	196733	30.454	ng/ul	98
87) Chrysene	21.557	228	401952	31.840	ng/ul	100
89) Di-n-octyl phthalate	22.562	149	346280	30.834	ng/ul	100
90) Benzo(b)fluoranthene	23.620	252	414869	31.041	ng/ul	99
91) Benzo(k)fluoranthene	23.684	252	411994	30.365	ng/ul	96
93) Benzo(a)pyrene	24.448	252	349568	27.544	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.085	276	492329	32.079	ng/ul	98
95) Dibenzo(a,h)anthracene	28.138	278	397066	31.377	ng/ul	96
96) Benzo(g,h,i)perylene	29.172	276	371625	30.438	ng/ul	98

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

