

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
 Data File : BG059153.D
 Acq On : 22 Sep 2023 00:10
 Operator : MA/JU
 Sample : PB155604BS
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS604

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/22/2023

Quant Time: Sep 22 02:32:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 20 04:25:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.299	152	23908	20.000	ng/u1	0.00
20) Naphthalene-d8	11.143	136	122483	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.921	164	77218	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.676	188	179320	20.000	ng/u1	0.00
79) Chrysene-d12	21.995	240	154653	20.000	ng/u1	0.00
88) Perylene-d12	25.543	264	177023	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.610	96	4657	7.624	ng/uL	0.00
4) Pyridine-d5	4.039	84	67365	37.594	ng/u1	0.00
7) Phenol-d5	7.412	99	102163	43.458	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.617	67	57231	39.671	ng/u1	0.00
11) 2-Chlorophenol-d4	7.811	132	70988	40.919	ng/u1	0.00
15) 4-Methylphenol-d8	8.986	113	75986	40.585	ng/u1	0.00
21) Nitrobenzene-d5	9.492	128	39142	41.414	ng/u1	0.00
24) 2-Nitrophenol-d4	10.214	143	39697	41.577	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.737	165	79972	44.119	ng/u1	0.00
31) 4-Chloroaniline-d4	11.284	131	108688	38.418	ng/u1	0.00
46) Dimethylphthalate-d6	14.321	166	233650	39.344	ng/u1	0.00
49) Acenaphthylene-d8	14.627	160	291422	40.302	ng/u1	0.00
54) 4-Nitrophenol-d4	15.103	143	44095	40.697	ng/u1	0.00
60) Fluorene-d10	15.913	176	221935	40.827	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.019	200	42366	41.556	ng/u1	0.00
73) Anthracene-d10	17.776	188	334239	40.965	ng/u1	0.00
81) Pyrene-d10	20.050	212	362154	40.064	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.297	264	359091	41.543	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.645	88	10102	14.627	ng/uL#	60
5) Pyridine	4.057	79	63220	34.624	ng/u1	97
6) Benzaldehyde	7.435	77	47542	39.002	ng/u1	97
8) Phenol	7.441	94	103799	42.958	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.711	93	78786	40.612	ng/u1	97
12) 2-Chlorophenol	7.846	128	76730	43.351	ng/u1	97
13) 2-Methylphenol	8.716	108	77755	43.361	ng/u1	91
14) 2,2'-oxybis(1-Chloropr...	8.804	45	174212	43.253	ng/u1#	95
16) Acetophenone	9.139	105	121624	42.195	ng/u1	99
17) N-Nitroso-di-n-propyla...	9.104	70	62110	42.625	ng/u1	92
18) 4-Methylphenol	9.051	108	83824	43.620	ng/u1	89
19) Hexachloroethane	9.380	117	29603	42.539	ng/u1	95
22) Nitrobenzene	9.539	77	87123	40.707	ng/u1	96
23) Isophorone	10.044	82	181271	39.496	ng/u1	99
25) 2-Nitrophenol	10.249	139	44948	42.126	ng/u1	96
26) 2,4-Dimethylphenol	10.267	107	73945	37.067	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.526	93	112977	39.568	ng/u1	97
29) 2,4-Dichlorophenol	10.761	162	79493	43.384	ng/u1	95
30) Naphthalene	11.190	128	264086	40.293	ng/u1	98
32) 4-Chloroaniline	11.307	127	102606	36.844	ng/u1	97
33) Hexachlorobutadiene	11.419	225	49790	42.218	ng/u1	92
34) Caprolactam	12.094	113	25600m	38.150	ng/u1	
35) 4-Chloro-3-methylphenol	12.376	107	81221	42.083	ng/u1	92
36) 2-Methylnaphthalene	12.770	142	177642	40.582	ng/u1	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
 Data File : BG059153.D
 Acq On : 22 Sep 2023 00:10
 Operator : MA/JU
 Sample : PB155604BS
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS604

Quant Time: Sep 22 02:32:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 20 04:25:24 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/22/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.987	142	173400	39.214	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	13.111	216	91276	40.320	ng/ul	94
40) Hexachlorocyclopentadiene	13.070	237	50784	35.188	ng/ul	98
41) 2,4,6-Trichlorophenol	13.358	196	66397	44.916	ng/ul	97
42) 2,4,5-Trichlorophenol	13.428	196	68533	42.860	ng/ul	94
43) 1,1'-Biphenyl	13.763	154	253934	41.200	ng/ul	96
44) 2-Chloronaphthalene	13.816	162	193593	41.136	ng/ul	98
45) 2-Nitroaniline	14.033	65	66945	44.876	ng/ul	93
47) Dimethylphthalate	14.368	163	244351	40.285	ng/ul	99
48) 2,6-Dinitrotoluene	14.509	165	48872	43.602	ng/ul#	80
50) Acenaphthylene	14.656	152	315613	40.864	ng/ul	98
51) 3-Nitroaniline	14.850	138	51974	42.025	ng/ul	99
52) Acenaphthene	14.991	153	215992	41.238	ng/ul	97
53) 2,4-Dinitrophenol	15.044	184	28902	42.794	ng/ul	87
55) 4-Nitrophenol	15.120	109	30756	42.951	ng/ul	93
56) Dibenzofuran	15.320	168	295652	42.557	ng/ul	98
57) 2,4-Dinitrotoluene	15.285	165	71591	44.303	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.532	232	66478	44.914	ng/ul	94
59) Diethylphthalate	15.714	149	249452	41.736	ng/ul	100
61) Fluorene	15.966	166	250618	42.249	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.949	204	126723	43.043	ng/ul	96
63) 4-Nitroaniline	16.013	138	48259m	42.095	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.037	198	47083	42.849	ng/ul#	99
67) N-Nitrosodiphenylamine	16.172	169	205409	43.025	ng/ul	97
68) 4-Bromophenyl-phenylether	16.848	248	77479	44.409	ng/ul	93
69) Hexachlorobenzene	16.942	284	86699	43.385	ng/ul	97
70) Atrazine	17.106	200	79421	41.809	ng/ul	95
71) Pentachlorophenol	17.294	266	58764	45.271	ng/ul	93
72) Phenanthrene	17.717	178	420982	41.952	ng/ul	100
74) Anthracene	17.811	178	428293	41.770	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.722	216	94701	39.612	ng/uL	94
76) Pentachlorobenzene	15.214	250	90551	40.949	ng/uL	98
77) Carbazole	18.087	167	357807	41.973	ng/ul	99
78) Di-n-butylphthalate	18.593	149	437215	41.633	ng/ul	99
80) Fluoranthene	19.709	202	476646	42.314	ng/ul	99
82) Pyrene	20.073	202	484117	41.202	ng/ul	99
83) Butylbenzylphthalate	20.931	149	184667	43.511	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.883	252	163009	43.618	ng/ul	93
85) Benzo(a)anthracene	21.971	228	472007	42.038	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.807	149	275563	43.396	ng/ul#	97
87) Chrysene	22.047	228	444988	42.496	ng/ul	100
89) Di-n-octyl phthalate	23.129	149	473609	43.761	ng/ul	100
90) Benzo(b)fluoranthene	24.398	252	468038	43.390	ng/ul	98
91) Benzo(k)fluoranthene	24.468	252	481779	43.077	ng/ul	97
93) Benzo(a)pyrene	25.373	252	445765	42.999	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.644	276	513844m	43.582	ng/ul	
95) Dibenzo(a,h)anthracene	29.727	278	424801m	44.834	ng/ul	
96) Benzo(g,h,i)perylene	30.961	276	414834m	43.678	ng/ul	

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

