

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100923\
 Data File : BG059414.D
 Acq On : 10 Oct 2023 2:46
 Operator : MA/JU
 Sample : PB156200BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS200

Quant Time: Oct 10 05:35:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG100723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 22:45:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/11/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.225	152	35116	20.000	ng/u1	0.00
20) Naphthalene-d8	11.069	136	180029	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.859	164	117875	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.609	188	266785	20.000	ng/u1	0.00
79) Chrysene-d12	21.915	240	242692	20.000	ng/u1	0.00
88) Perylene-d12	25.394	264	276881	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.525	96	8036	8.159	ng/uL	0.00
4) Pyridine-d5	3.960	84	123098	43.423	ng/u1	0.00
7) Phenol-d5	7.356	99	177068	45.666	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.550	67	97527	44.501	ng/u1	0.00
11) 2-Chlorophenol-d4	7.750	132	129980	47.931	ng/u1	0.00
15) 4-Methylphenol-d8	8.925	113	139820	46.282	ng/u1	0.00
21) Nitrobenzene-d5	9.430	128	66311	43.269	ng/u1	0.00
24) 2-Nitrophenol-d4	10.141	143	76606	46.184	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.670	165	141539	47.276	ng/u1	0.00
31) 4-Chloroaniline-d4	11.216	131	198156	41.667	ng/u1	0.00
46) Dimethylphthalate-d6	14.260	166	432754	44.812	ng/u1	0.00
49) Acenaphthylene-d8	14.565	160	516610	44.953	ng/u1	0.00
54) 4-Nitrophenol-d4	15.059	143	77177	42.647	ng/u1	0.00
60) Fluorene-d10	15.852	176	402904	43.709	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.963	200	77344	43.910	ng/u1	0.00
73) Anthracene-d10	17.708	188	606494	46.343	ng/u1	0.00
81) Pyrene-d10	19.982	212	687740	46.778	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.153	264	694066	47.637	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.566	88	17544	16.687	ng/uL	92
5) Pyridine	3.983	79	112189	39.196	ng/u1	96
6) Benzaldehyde	7.374	77	80776	50.222	ng/u1	89
8) Phenol	7.385	94	180852	47.168	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.644	93	134910	45.689	ng/u1	97
12) 2-Chlorophenol	7.779	128	136256	47.683	ng/u1	95
13) 2-Methylphenol	8.654	108	132553	46.266	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.737	45	288782	46.743	ng/u1	98
16) Acetophenone	9.072	105	206498	44.981	ng/u1	96
17) N-Nitroso-di-n-propyla...	9.036	70	101690	44.455	ng/u1	88
18) 4-Methylphenol	8.989	108	146644	46.545	ng/u1	97
19) Hexachloroethane	9.312	117	47986	46.168	ng/u1	92
22) Nitrobenzene	9.471	77	149361	44.456	ng/u1#	95
23) Isophorone	9.976	82	312275	43.528	ng/u1#	96
25) 2-Nitrophenol	10.176	139	83244	48.661	ng/u1	97
26) 2,4-Dimethylphenol	10.206	107	134647	39.899	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.458	93	196485	45.576	ng/u1	96
29) 2,4-Dichlorophenol	10.699	162	139873	46.396	ng/u1	96
30) Naphthalene	11.122	128	469701	45.111	ng/u1	98
32) 4-Chloroaniline	11.240	127	179016	39.791	ng/u1	99
33) Hexachlorobutadiene	11.345	225	86222	47.367	ng/u1	91
34) Caprolactam	12.027	113	45597m	41.651	ng/u1	
35) 4-Chloro-3-methylphenol	12.321	107	142866	44.162	ng/u1	97
36) 2-Methylnaphthalene	12.703	142	315209	45.410	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.926	142	309269	42.912	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.049	216	168726	48.055	ng/ul	98
40) Hexachlorocyclopentadiene	13.002	237	93925	44.558	ng/ul#	95
41) 2,4,6-Trichlorophenol	13.296	196	112934	47.403	ng/ul	91
42) 2,4,5-Trichlorophenol	13.367	196	122457	47.326	ng/ul	97
43) 1,1'-Biphenyl	13.696	154	452988	46.692	ng/ul	98
44) 2-Chloronaphthalene	13.754	162	343995	46.128	ng/ul	98
45) 2-Nitroaniline	13.972	65	110194	45.125	ng/ul	90
47) Dimethylphthalate	14.307	163	427579	44.055	ng/ul	99
48) 2,6-Dinitrotoluene	14.453	165	92355	47.167	ng/ul#	94
50) Acenaphthylene	14.595	152	568714	46.038	ng/ul	98
51) 3-Nitroaniline	14.794	138	90587	47.246	ng/ul	99
52) Acenaphthene	14.929	153	376126	45.001	ng/ul	98
53) 2,4-Dinitrophenol	14.988	184	34900	24.814	ng/ul	95
55) 4-Nitrophenol	15.076	109	55314	45.302	ng/ul	94
56) Dibenzofuran	15.258	168	523911	45.428	ng/ul	100
57) 2,4-Dinitrotoluene	15.229	165	130301	45.438	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.470	232	109519	44.111	ng/ul	95
59) Diethylphthalate	15.652	149	417698	43.272	ng/ul	99
61) Fluorene	15.905	166	436350	44.469	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.887	204	215812	44.511	ng/ul	94
63) 4-Nitroaniline	15.952	138	93114	53.943	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.981	198	80283	42.853	ng/ul#	91
67) N-Nitrosodiphenylamine	16.110	169	360912	47.805	ng/ul	100
68) 4-Bromophenyl-phenylether	16.786	248	134838	47.596	ng/ul	98
69) Hexachlorobenzene	16.880	284	152802	47.253	ng/ul	96
70) Atrazine	17.045	200	136483	45.596	ng/ul	97
71) Pentachlorophenol	17.233	266	77546	41.262	ng/ul	96
72) Phenanthrene	17.656	178	739026	46.773	ng/ul	100
74) Anthracene	17.744	178	757891	47.163	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.660	216	166434	48.019	ng/ul	95
76) Pentachlorobenzene	15.153	250	155609	43.379	ng/ul	93
77) Carbazole	18.026	167	648014	48.456	ng/ul	97
78) Di-n-butylphthalate	18.525	149	751594	47.504	ng/ul	99
80) Fluoranthene	19.647	202	857384	46.867	ng/ul	99
82) Pyrene	20.012	202	890573	46.841	ng/ul	98
83) Butylbenzylphthalate	20.864	149	333420	47.463	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.810	252	297235	49.094	ng/ul	99
85) Benzo(a)anthracene	21.892	228	865220	46.680	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.716	149	496330	47.241	ng/ul	100
87) Chrysene	21.962	228	808963	46.466	ng/ul	96
89) Di-n-octyl phthalate	23.014	149	856015	48.997	ng/ul	100
90) Benzo(b)fluoranthene	24.265	252	875885	48.012	ng/ul	98
91) Benzo(k)fluoranthene	24.342	252	911710	49.220	ng/ul	97
93) Benzo(a)pyrene	25.235	252	835860	48.100	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.424	276	971841m	48.550	ng/ul	
95) Dibenzo(a,h)anthracene	29.495	278	811634m	49.865	ng/ul	
96) Benzo(g,h,i)perylene	30.711	276	777677m	48.714	ng/ul	

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

