

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
 Data File : BG058959.D
 Acq On : 10 Sep 2023 20:14
 Operator : MA/JU
 Sample : SSTD08011
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD080411

Quant Time: Sep 10 23:30:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Sep 10 22:58:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/11/2023
 Supervised By :mohammad ahmed 09/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.324	152	61609	20.000	ng/u1	0.00
20) Naphthalene-d8	11.168	136	267621	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.952	164	182481	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.701	188	428093	20.000	ng/u1	# 0.00
79) Chrysene-d12	22.026	240	404666	20.000	ng/u1	0.00
88) Perylene-d12	25.598	264	466028	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.635	96	46011	35.821	ng/uL	0.00
4) Pyridine-d5	4.070	84	361742	82.022	ng/u1	0.00
7) Phenol-d5	7.437	99	496271	81.215	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.648	67	283843	82.110	ng/u1	0.00
11) 2-Chlorophenol-d4	7.842	132	336204	92.239	ng/u1	0.00
15) 4-Methylphenol-d8	9.017	113	381145	80.479	ng/u1	0.01
21) Nitrobenzene-d5	9.528	128	173255	109.908	ng/u1	0.00
24) 2-Nitrophenol-d4	10.245	143	198971	115.224	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.768	165	384575	76.762	ng/u1	0.00
31) 4-Chloroaniline-d4	11.315	131	488435	76.003	ng/u1	0.00
46) Dimethylphthalate-d6	14.352	166	1104721	78.425	ng/u1	0.00
49) Acenaphthylene-d8	14.658	160	1276879	83.862	ng/u1	0.00
54) 4-Nitrophenol-d4	15.134	143	192454	103.409	ng/u1	0.02
60) Fluorene-d10	15.939	176	983449	74.075	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.050	200	181875	93.317	ng/u1	0.01
73) Anthracene-d10	17.801	188	1508889	77.484	ng/u1	0.00
81) Pyrene-d10	20.069	212	1729034	73.674	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.351	264	1896112	82.594	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.677	88	53870	34.437	ng/uL#	93
5) Pyridine	4.094	79	383474	82.599	ng/u1	98
6) Benzaldehyde	7.472	77	309650	85.970	ng/u1	85
8) Phenol	7.472	94	534659	83.903	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.748	93	380429	80.496	ng/u1	94
12) 2-Chlorophenol	7.878	128	332470	90.465	ng/u1	96
13) 2-Methylphenol	8.747	108	408272	85.567	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.835	45	451942	83.089	ng/u1	97
16) Acetophenone	9.176	105	632285	74.877	ng/u1#	97
17) N-Nitroso-di-n-propyla...	9.147	70	344843	78.078	ng/u1#	95
18) 4-Methylphenol	9.088	108	424672	81.336	ng/u1	92
19) Hexachloroethane	9.411	117	139648	93.099	ng/u1	87
22) Nitrobenzene	9.576	77	509625	94.527	ng/u1	97
23) Isophorone	10.087	82	1019990	75.828	ng/u1	98
25) 2-Nitrophenol	10.275	139	195530	104.974	ng/u1#	93
26) 2,4-Dimethylphenol	10.298	107	440682	76.097	ng/u1	87
27) Bis(2-Chloroethoxy)met...	10.563	93	539530	77.453	ng/u1	97
29) 2,4-Dichlorophenol	10.792	162	357115	75.201	ng/u1	96
30) Naphthalene	11.227	128	1163647	80.490	ng/u1	99
32) 4-Chloroaniline	11.344	127	474984	77.926	ng/u1	99
33) Hexachlorobutadiene	11.456	225	275427	59.223	ng/u1	96
34) Caprolactam	12.143	113	123410m	78.558	ng/u1	
35) 4-Chloro-3-methylphenol	12.413	107	435322	78.022	ng/u1	94
36) 2-Methylnaphthalene	12.801	142	820722	74.991	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.019	142	817824	73.059	ng/ul#	98
39) 1,2,4,5-Tetrachloroben...	13.142	216	502175	73.752	ng/ul#	94
40) Hexachlorocyclopentadiene	13.101	237	327354	66.801	ng/ul	93
41) 2,4,6-Trichlorophenol	13.383	196	317347	80.204	ng/ul	91
42) 2,4,5-Trichlorophenol	13.453	196	338555	79.806	ng/ul	92
43) 1,1'-Biphenyl	13.794	154	1114121	89.730	ng/ul	98
44) 2-Chloronaphthalene	13.847	162	859757	86.822	ng/ul	97
45) 2-Nitroaniline	14.058	65	287513	131.312	ng/ul	97
47) Dimethylphthalate	14.399	163	1043824	72.882	ng/ul	98
48) 2,6-Dinitrotoluene	14.540	165	227330	111.832	ng/ul	92
50) Acenaphthylene	14.687	152	1377966	81.100	ng/ul	96
51) 3-Nitroaniline	14.881	138	207613	101.354	ng/ul	91
52) Acenaphthene	15.016	153	904149	81.730	ng/ul	99
53) 2,4-Dinitrophenol	15.069	184	133966	77.905	ng/ul	91
55) 4-Nitrophenol	15.145	109	233954	100.507	ng/ul	86
56) Dibenzofuran	15.351	168	1310400	79.349	ng/ul	94
57) 2,4-Dinitrotoluene	15.316	165	306904	104.659	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	15.557	232	314151	70.089	ng/ul#	94
59) Diethylphthalate	15.751	149	1024107	79.560	ng/ul	95
61) Fluorene	15.997	166	1052281	75.053	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.980	204	554012	65.869	ng/ul	97
63) 4-Nitroaniline	16.050	138	196695	103.200	ng/ul	92
66) 4,6-Dinitro-2-methylph...	16.068	198	199161	97.335	ng/ul#	95
67) N-Nitrosodiphenylamine	16.197	169	886983	84.250	ng/ul	100
68) 4-Bromophenyl-phenylether	16.879	248	373504	71.851	ng/ul	92
69) Hexachlorobenzene	16.967	284	424433	70.756	ng/ul	95
70) Atrazine	17.137	200	339962	80.431	ng/ul	95
71) Pentachlorophenol	17.319	266	274092	74.398	ng/ul	99
72) Phenanthrene	17.748	178	1689240	81.281	ng/ul	99
74) Anthracene	17.836	178	1690976	79.693	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.747	216	519559	83.579	ng/ul	94
76) Pentachlorobenzene	15.245	250	488558	77.981	ng/ul	99
77) Carbazole	18.113	167	1476521	91.679	ng/ul	97
78) Di-n-butylphthalate	18.624	149	1638926	113.200	ng/ul#	98
80) Fluoranthene	19.734	202	1983488	69.542	ng/ul	98
82) Pyrene	20.104	202	2037968	71.334	ng/ul#	97
83) Butylbenzylphthalate	20.962	149	723924	146.140	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.914	252	736173	83.287	ng/ul#	91
85) Benzo(a)anthracene	22.008	228	2181316	79.173	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.849	149	1054875	136.510	ng/ul	100
87) Chrysene	22.084	228	2012311	77.970	ng/ul	99
89) Di-n-octyl phthalate	23.189	149	1806450	124.122	ng/ul	100
90) Benzo(b)fluoranthene	24.446	252	2248658	80.123	ng/ul	96
91) Benzo(k)fluoranthene	24.523	252	2233810	79.104	ng/ul	96
93) Benzo(a)pyrene	25.439	252	2137784	81.409	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.746	276	2732540m	83.466	ng/ul	
95) Dibenzo(a,h)anthracene	29.834	278	2203972	82.787	ng/ul	97
96) Benzo(g,h,i)perylene	31.062	276	2178110m	83.797	ng/ul	

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

