

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091923\
 Data File : BG059097.D
 Acq On : 19 Sep 2023 20:25
 Operator : MA/JU
 Sample : SSTD08029
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD080432

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/20/2023
 Supervised By :mohammad ahmed 09/21/2023

Quant Time: Sep 20 04:14:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 20 03:48:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.297	152	31700	20.000	ng/u1	0.00
20) Naphthalene-d8	11.146	136	161949	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.930	164	103949	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.680	188	235482	20.000	ng/u1	0.00
79) Chrysene-d12	22.004	240	194903	20.000	ng/u1	0.00
88) Perylene-d12	25.553	264	229026	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.608	96	24930	34.291	ng/uL	0.00
4) Pyridine-d5	4.043	84	196905	79.295	ng/u1	0.00
7) Phenol-d5	7.415	99	258661	82.222	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.621	67	156378	80.527	ng/u1	0.00
11) 2-Chlorophenol-d4	7.815	132	193929	82.601	ng/u1	0.00
15) 4-Methylphenol-d8	8.990	113	210721	82.196	ng/u1	0.00
21) Nitrobenzene-d5	9.501	128	105794	80.366	ng/u1	0.00
24) 2-Nitrophenol-d4	10.218	143	112280	86.596	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.741	165	204727	81.450	ng/u1	0.00
31) 4-Chloroaniline-d4	11.287	131	311079	79.285	ng/u1	0.00
46) Dimethylphthalate-d6	14.331	166	633561	79.006	ng/u1	0.00
49) Acenaphthylene-d8	14.636	160	793533	89.556	ng/u1	0.00
54) 4-Nitrophenol-d4	15.118	143	123102	78.974	ng/u1	0.02
60) Fluorene-d10	15.917	176	585178	83.720	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.035	200	118660	88.339	ng/u1	0.01
73) Anthracene-d10	17.786	188	860878	80.315	ng/u1	0.00
81) Pyrene-d10	20.054	212	914630	81.964	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.318	264	914909	80.937	ng/u1	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.643	88	27462	27.271	ng/uL	91
5) Pyridine	4.061	79	200090	79.213	ng/u1	98
6) Benzaldehyde	7.445	77	111391	67.438	ng/u1	97
8) Phenol	7.445	94	267555	82.298	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.715	93	209022	82.368	ng/u1	96
12) 2-Chlorophenol	7.850	128	197878	81.791	ng/u1	95
13) 2-Methylphenol	8.720	108	199578	76.557	ng/u1	90
14) 2,2'-oxybis(1-Chloropr...	8.814	45	436757	81.789	ng/u1	99
16) Acetophenone	9.149	105	319119	77.147	ng/u1	95
17) N-Nitroso-di-n-propyla...	9.119	70	161035	74.146	ng/u1	98
18) 4-Methylphenol	9.061	108	216270	75.676	ng/u1	92
19) Hexachloroethane	9.384	117	77075	79.238	ng/u1	93
22) Nitrobenzene	9.548	77	234551	73.796	ng/u1	94
23) Isophorone	10.059	82	498760	77.855	ng/u1	98
25) 2-Nitrophenol	10.253	139	121005	83.514	ng/u1	98
26) 2,4-Dimethylphenol	10.277	107	219089	76.585	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.535	93	307327	82.148	ng/u1	97
29) 2,4-Dichlorophenol	10.770	162	205624	81.118	ng/u1	94
30) Naphthalene	11.199	128	711956	81.423	ng/u1	99
32) 4-Chloroaniline	11.317	127	302851	80.232	ng/u1	96
33) Hexachlorobutadiene	11.428	225	127585	85.575	ng/u1#	86
34) Caprolactam	12.116	113	66903m	68.591	ng/u1	
35) 4-Chloro-3-methylphenol	12.386	107	214175	72.573	ng/u1	97
36) 2-Methylnaphthalene	12.780	142	472607	79.819	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.997	142	477199	78.928	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.121	216	249359	89.098	ng/ul	98
40) Hexachlorocyclopentadiene	13.074	237	163303	96.097	ng/ul	95
41) 2,4,6-Trichlorophenol	13.361	196	165619	82.134	ng/ul	95
42) 2,4,5-Trichlorophenol	13.432	196	179408	81.899	ng/ul	96
43) 1,1'-Biphenyl	13.767	154	663363	86.928	ng/ul	97
44) 2-Chloronaphthalene	13.820	162	511950	82.187	ng/ul	95
45) 2-Nitroaniline	14.037	65	168701	78.564	ng/ul	99
47) Dimethylphthalate	14.378	163	643134	78.979	ng/ul	99
48) 2,6-Dinitrotoluene	14.519	165	130428	80.933	ng/ul#	86
50) Acenaphthylene	14.666	152	831799	80.801	ng/ul	100
51) 3-Nitroaniline	14.860	138	130136	77.438	ng/ul	96
52) Acenaphthene	14.995	153	559808	82.982	ng/ul	99
53) 2,4-Dinitrophenol	15.054	184	85960	96.832	ng/ul	89
55) 4-Nitrophenol	15.136	109	80978	72.138	ng/ul	92
56) Dibenzofuran	15.330	168	740710	77.555	ng/ul	97
57) 2,4-Dinitrotoluene	15.300	165	185325	80.179	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.535	232	164704	84.221	ng/ul#	86
59) Diethylphthalate	15.723	149	630068	76.178	ng/ul	100
61) Fluorene	15.976	166	629871	77.096	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.958	204	312095	82.578	ng/ul	95
63) 4-Nitroaniline	16.029	138	121522	76.762	ng/ul#	84
66) 4,6-Dinitro-2-methylph...	16.052	198	127319	88.174	ng/ul#	96
67) N-Nitrosodiphenylamine	16.176	169	514221	75.547	ng/ul	97
68) 4-Bromophenyl-phenylether	16.857	248	185409	79.575	ng/ul	97
69) Hexachlorobenzene	16.945	284	204624	77.875	ng/ul	94
70) Atrazine	17.116	200	183759	73.374	ng/ul	97
71) Pentachlorophenol	17.298	266	145444	86.455	ng/ul	93
72) Phenanthrene	17.727	178	1032084	78.627	ng/ul	98
74) Anthracene	17.821	178	1067483	78.515	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.726	216	261601	90.647	ng/uL	92
76) Pentachlorobenzene	15.224	250	232322	83.956	ng/uL	94
77) Carbazole	18.091	167	888790	74.101	ng/ul	97
78) Di-n-butylphthalate	18.596	149	1066226	68.095	ng/ul	99
80) Fluoranthene	19.719	202	1139803	81.405	ng/ul	99
82) Pyrene	20.083	202	1167667	79.854	ng/ul	99
83) Butylbenzylphthalate	20.941	149	447858	76.747	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.893	252	365975	78.123	ng/ul	98
85) Benzo(a)anthracene	21.981	228	1134574	80.734	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.816	149	681334	76.807	ng/ul#	98
87) Chrysene	22.057	228	1052397	80.797	ng/ul	99
89) Di-n-octyl phthalate	23.138	149	1166849	75.947	ng/ul	100
90) Benzo(b)fluoranthene	24.407	252	1140955	79.461	ng/ul	98
91) Benzo(k)fluoranthene	24.490	252	1166500	81.303	ng/ul	97
93) Benzo(a)pyrene	25.400	252	1097672	80.835	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.678	276	1263278m	82.788	ng/ul	
95) Dibenzo(a,h)anthracene	29.772	278	1020503	83.800	ng/ul	99
96) Benzo(g,h,i)perylene	31.000	276	1006097	80.897	ng/ul	96

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

