

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100723\
 Data File : BG059341.D
 Acq On : 7 Oct 2023 13:51
 Operator : MA/JU
 Sample : SSTD04040
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD040403

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/08/2023
 Supervised By :mohammad ahmed 10/09/2023

Quant Time: Oct 07 15:12:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG100723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 14:54:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.229	152	40498	20.000	ng/u1	0.00
20) Naphthalene-d8	11.072	136	213382	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.868	164	146290	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.612	188	351780	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.918	240	311037	20.000	ng/u1	0.00
88) Perylene-d12	25.403	264	365302	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.528	96	18813	19.013	ng/uL	0.00
4) Pyridine-d5	3.963	84	153806	52.234	ng/u1	0.00
7) Phenol-d5	7.359	99	208922	51.780	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.553	67	117368	51.227	ng/u1	0.00
11) 2-Chlorophenol-d4	7.747	132	152719	53.447	ng/u1	0.00
15) 4-Methylphenol-d8	8.928	113	166315	53.783	ng/u1	0.00
21) Nitrobenzene-d5	9.427	128	82829	48.924	ng/u1	0.00
24) 2-Nitrophenol-d4	10.150	143	90684	48.310	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.679	165	165794	49.014	ng/u1	0.00
31) 4-Chloroaniline-d4	11.219	131	269424	52.213	ng/u1	0.00
46) Dimethylphthalate-d6	14.263	166	551439	50.005	ng/u1	0.00
49) Acenaphthylene-d8	14.568	160	646121	48.214	ng/u1	0.00
54) 4-Nitrophenol-d4	15.062	143	105548	53.257	ng/u1	0.00
60) Fluorene-d10	15.855	176	521496	49.981	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.972	200	106533	49.407	ng/u1	0.00
73) Anthracene-d10	17.717	188	774843	47.791	ng/u1	0.00
81) Pyrene-d10	19.991	212	856536	47.611	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.156	264	872104	48.769	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.569	88	19344	17.064	ng/uL	91
5) Pyridine	3.981	79	156566	53.832	ng/u1	98
6) Benzaldehyde	7.377	77	89396	62.420	ng/u1	93
8) Phenol	7.388	94	204674	51.961	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.647	93	159674	51.945	ng/u1	95
12) 2-Chlorophenol	7.782	128	157560	54.272	ng/u1	97
13) 2-Methylphenol	8.657	108	155427	52.921	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.734	45	332866m	51.921	ng/u1	
16) Acetophenone	9.075	105	248180	52.303	ng/u1	97
17) N-Nitroso-di-n-propyla...	9.039	70	123927	53.059	ng/u1	87
18) 4-Methylphenol	8.992	108	170757	53.231	ng/u1	89
19) Hexachloroethane	9.310	117	55895	47.557	ng/u1	92
22) Nitrobenzene	9.474	77	180031	49.161	ng/u1	90
23) Isophorone	9.979	82	389532	48.777	ng/u1	98
25) 2-Nitrophenol	10.185	139	93047	48.137	ng/u1	97
26) 2,4-Dimethylphenol	10.209	107	179750	48.941	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.461	93	237710	49.100	ng/u1	99
29) 2,4-Dichlorophenol	10.702	162	160660	48.988	ng/u1	98
30) Naphthalene	11.125	128	551882	47.796	ng/u1	95
32) 4-Chloroaniline	11.243	127	250325	50.611	ng/u1	99
33) Hexachlorobutadiene	11.348	225	99541	49.218	ng/u1	98
34) Caprolactam	12.030	113	54295m	45.876	ng/u1	
35) 4-Chloro-3-methylphenol	12.324	107	175354	49.119	ng/u1	94
36) 2-Methylnaphthalene	12.712	142	373453	48.343	ng/u1	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.929	142	388150	48.694	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.052	216	197498	47.303	ng/ul#	97
40) Hexachlorocyclopentadiene	13.005	237	118761	46.849	ng/ul	94
41) 2,4,6-Trichlorophenol	13.299	196	134299	48.459	ng/ul	96
42) 2,4,5-Trichlorophenol	13.370	196	147854	48.403	ng/ul	97
43) 1,1'-Biphenyl	13.704	154	547206	48.026	ng/ul	98
44) 2-Chloronaphthalene	13.757	162	427466	49.335	ng/ul	97
45) 2-Nitroaniline	13.975	65	142137	51.457	ng/ul	97
47) Dimethylphthalate	14.310	163	544011	48.747	ng/ul	99
48) 2,6-Dinitrotoluene	14.457	165	112751	51.008	ng/ul	99
50) Acenaphthylene	14.598	152	694405	48.589	ng/ul	98
51) 3-Nitroaniline	14.797	138	96112	44.532	ng/ul	96
52) Acenaphthene	14.932	153	466613	47.792	ng/ul	96
53) 2,4-Dinitrophenol	14.991	184	65776	52.636	ng/ul	97
55) 4-Nitrophenol	15.079	109	68794	50.546	ng/ul	92
56) Dibenzofuran	15.262	168	641362	48.660	ng/ul	99
57) 2,4-Dinitrotoluene	15.232	165	160902	49.285	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.473	232	146284	50.789	ng/ul#	95
59) Diethylphthalate	15.655	149	534826	48.872	ng/ul	99
61) Fluorene	15.908	166	546304	49.065	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.890	204	273247	48.313	ng/ul	98
63) 4-Nitroaniline	15.955	138	76504	41.152	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.984	198	113721	49.458	ng/ul#	95
67) N-Nitrosodiphenylamine	16.113	169	461133	49.022	ng/ul	100
68) 4-Bromophenyl-phenylether	16.789	248	169020	47.065	ng/ul	98
69) Hexachlorobenzene	16.883	284	193873	47.788	ng/ul	96
70) Atrazine	17.048	200	178627	48.263	ng/ul	95
71) Pentachlorophenol	17.242	266	119586	52.394	ng/ul	96
72) Phenanthrene	17.659	178	938698	48.521	ng/ul	99
74) Anthracene	17.753	178	966059	48.467	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.663	216	213369	47.873	ng/uL	92
76) Pentachlorobenzene	15.156	250	214651	46.394	ng/uL	93
77) Carbazole	18.029	167	813373	50.447	ng/ul	97
78) Di-n-butylphthalate	18.528	149	957815	49.227	ng/ul	99
80) Fluoranthene	19.650	202	1086163	48.833	ng/ul	99
82) Pyrene	20.021	202	1099875	47.530	ng/ul	99
83) Butylbenzylphthalate	20.867	149	415661	48.567	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.813	252	334009	45.904	ng/ul	92
85) Benzo(a)anthracene	21.895	228	1074193	47.999	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.725	149	616685	47.625	ng/ul	98
87) Chrysene	21.971	228	998327	47.638	ng/ul	99
89) Di-n-octyl phthalate	23.017	149	1054232	48.405	ng/ul	100
90) Benzo(b)fluoranthene	24.280	252	1092274	48.728	ng/ul	99
91) Benzo(k)fluoranthene	24.351	252	1111344	48.501	ng/ul	95
93) Benzo(a)pyrene	25.238	252	1045377	48.858	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.433	276	1190653	48.374	ng/ul#	95
95) Dibenzo(a,h)anthracene	29.509	278	1000457	49.389	ng/ul	99
96) Benzo(g,h,i)perylene	30.714	276	961330	48.704	ng/ul	97

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

