

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071723\
 Data File : BG058287.D
 Acq On : 17 Jul 2023 17:58
 Operator : CG/JU
 Sample : SSTD08096
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD080446

Quant Time: Jul 18 02:04:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 01:24:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	50500	20.000	ng/u1	0.00
20) Naphthalene-d8	10.707	136	229017	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.538	164	167495	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.282	188	398942	20.000	ng/u1	0.00
79) Chrysene-d12	21.542	240	318680	20.000	ng/u1	0.01
88) Perylene-d12	24.673	264	387413	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	44215	30.659	ng/uL	0.00
4) Pyridine-d5	3.751	84	345519	78.916	ng/u1	0.00
7) Phenol-d5	7.071	99	402874	78.117	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.229	67	242465	78.014	ng/u1	0.00
11) 2-Chlorophenol-d4	7.435	132	276762	77.808	ng/u1	0.00
15) 4-Methylphenol-d8	8.616	113	305589	78.528	ng/u1	0.01
21) Nitrobenzene-d5	9.068	128	151725	81.285	ng/u1	0.00
24) 2-Nitrophenol-d4	9.785	143	168850	86.070	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.331	165	310751	82.573	ng/u1	0.00
31) 4-Chloroaniline-d4	10.843	131	430299	75.415	ng/u1	0.00
46) Dimethylphthalate-d6	13.951	166	989965	74.909	ng/u1	0.01
49) Acenaphthylene-d8	14.239	160	1066749	73.971	ng/u1	0.00
54) 4-Nitrophenol-d4	14.762	143	175668	75.237	ng/u1	0.02
60) Fluorene-d10	15.531	176	835029	74.400	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.666	200	186238	85.972	ng/u1	0.02
73) Anthracene-d10	17.388	188	1311501	70.846	ng/u1	0.00
81) Pyrene-d10	19.679	212	1478718	73.676	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.474	264	1570055	79.546	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.375	88	51511	28.912	ng/uL	98
5) Pyridine	3.769	79	355106	79.159	ng/u1	98
6) Benzaldehyde	7.041	77	184834m	107.316	ng/u1	
8) Phenol	7.100	94	413232	78.959	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.323	93	309482	76.587	ng/u1	97
12) 2-Chlorophenol	7.470	128	287692	77.724	ng/u1	97
13) 2-Methylphenol	8.346	108	323465	78.698	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.428	45	500477m	80.459	ng/u1	
16) Acetophenone	8.727	105	496974	76.974	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.722	70	268182	77.700	ng/u1	95
18) 4-Methylphenol	8.686	108	349669	78.677	ng/u1	99
19) Hexachloroethane	8.980	117	110432	77.825	ng/u1	90
22) Nitrobenzene	9.109	77	383128	79.067	ng/u1	100
23) Isophorone	9.638	82	829439	80.219	ng/u1	100
25) 2-Nitrophenol	9.820	139	174948	83.109	ng/u1	98
26) 2,4-Dimethylphenol	9.879	107	366578	77.442	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.114	93	445761	76.506	ng/u1	97
29) 2,4-Dichlorophenol	10.355	162	292135	79.839	ng/u1	95
30) Naphthalene	10.755	128	964500	74.940	ng/u1	100
32) 4-Chloroaniline	10.872	127	436928	74.891	ng/u1	99
33) Hexachlorobutadiene	11.037	225	205065	79.162	ng/u1	98
34) Caprolactam	11.659	113	117223m	79.685	ng/u1	
35) 4-Chloro-3-methylphenol	12.000	107	376166	83.690	ng/u1	96
36) 2-Methylnaphthalene	12.364	142	659772	76.047	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.588	142	659721	75.829	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.735	216	387028	75.824	ng/ul	99
40) Hexachlorocyclopentadiene	12.711	237	247012	76.829	ng/ul	98
41) 2,4,6-Trichlorophenol	12.975	196	283461	81.937	ng/ul	99
42) 2,4,5-Trichlorophenol	13.052	196	302995	80.984	ng/ul	98
43) 1,1'-Biphenyl	13.375	154	865995	71.745	ng/ul	97
44) 2-Chloronaphthalene	13.422	162	708715	73.159	ng/ul	96
45) 2-Nitroaniline	13.628	65	281659	83.625	ng/ul	99
47) Dimethylphthalate	13.998	163	974597	73.403	ng/ul#	98
48) 2,6-Dinitrotoluene	14.127	165	224327	82.311	ng/ul	95
50) Acenaphthylene	14.268	152	1116679	71.705	ng/ul	99
51) 3-Nitroaniline	14.456	138	194882	84.616	ng/ul	93
52) Acenaphthene	14.609	153	789619	73.891	ng/ul	99
53) 2,4-Dinitrophenol	14.662	184	133055	93.646	ng/ul	96
55) 4-Nitrophenol	14.773	109	135809	78.517	ng/ul	97
56) Dibenzofuran	14.944	168	1098782	72.332	ng/ul	98
57) 2,4-Dinitrotoluene	14.914	165	309590	80.177	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	15.167	232	279205	81.975	ng/ul#	98
59) Diethylphthalate	15.361	149	1003110	72.386	ng/ul	99
61) Fluorene	15.590	166	871159	69.894	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.578	204	480956	72.927	ng/ul	99
63) 4-Nitroaniline	15.625	138	186868	90.572	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.678	198	190618	86.045	ng/ul	97
67) N-Nitrosodiphenylamine	15.796	169	781198	73.579	ng/ul	98
68) 4-Bromophenyl-phenylether	16.471	248	349371	79.781	ng/ul	96
69) Hexachlorobenzene	16.595	284	385401	78.607	ng/ul	99
70) Atrazine	16.747	200	311907	71.841	ng/ul	96
71) Pentachlorophenol	16.936	266	242344	82.333	ng/ul	95
72) Phenanthrene	17.329	178	1418536	69.903	ng/ul	96
74) Anthracene	17.423	178	1400027	68.176	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.340	216	416015	78.628	ng/ul	97
76) Pentachlorobenzene	14.861	250	452892	80.148	ng/ul	95
77) Carbazole	17.693	167	1316562	70.888	ng/ul	97
78) Di-n-butylphthalate	18.240	149	1589131	67.171	ng/ul	97
80) Fluoranthene	19.339	202	1666779	71.669	ng/ul	98
82) Pyrene	19.709	202	1620855	69.237	ng/ul	99
83) Butylbenzylphthalate	20.584	149	726246	76.503	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.436	252	594534	77.062	ng/ul	96
85) Benzo(a)anthracene	21.518	228	1710459	74.752	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.418	149	988981	72.699	ng/ul	97
87) Chrysene	21.589	228	1619158	75.485	ng/ul	95
89) Di-n-octyl phthalate	22.594	149	1753601	73.670	ng/ul	100
90) Benzo(b)fluoranthene	23.686	252	1858773	77.489	ng/ul	99
91) Benzo(k)fluoranthene	23.751	252	1779714	75.694	ng/ul	99
93) Benzo(a)pyrene	24.544	252	1636261	77.067	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.263	276	2246049	79.665	ng/ul	98
95) Dibenzo(a,h)anthracene	28.328	278	1835850	78.966	ng/ul	98
96) Benzo(g,h,i)perylene	29.409	276	1863162	80.907	ng/ul	100

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

