

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071723\
 Data File : BG058284.D
 Acq On : 17 Jul 2023 15:52
 Operator : CG/JU
 Sample : SSTD01093
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD010443

Quant Time: Jul 18 01:55:17 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	7.900	152	44148	20.000	ng/u1	0.00
20) Naphthalene-d8	10.703	136	201529	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.540	164	146267	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.284	188	362299	20.000	ng/u1	0.00
79) Chrysene-d12	21.532	240	318521	20.000	ng/u1	0.00
88) Perylene-d12	24.663	264	370379	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.341	96	5361m	4.252	ng/uL	0.00
4) Pyridine-d5	3.752	84	33955	8.871	ng/u1	0.00
7) Phenol-d5	7.066	99	40672	9.021	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.225	67	27459	10.106	ng/u1	0.00
11) 2-Chlorophenol-d4	7.430	132	29396	9.453	ng/u1	0.00
15) 4-Methylphenol-d8	8.606	113	31015	9.117	ng/u1	0.00
21) Nitrobenzene-d5	9.064	128	14720	8.962	ng/u1	0.00
24) 2-Nitrophenol-d4	9.781	143	16012	9.275	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.327	165	31694	9.570	ng/u1	0.00
31) 4-Chloroaniline-d4	10.838	131	49295	9.818	ng/u1	0.00
46) Dimethylphthalate-d6	13.940	166	119610	10.364	ng/u1	0.00
49) Acenaphthylene-d8	14.228	160	124659	9.899	ng/u1	0.00
54) 4-Nitrophenol-d4	14.740	143	15759	7.729	ng/u1	0.00
60) Fluorene-d10	15.527	176	100056	10.209	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.650	200	16323	8.297	ng/u1	0.00
73) Anthracene-d10	17.378	188	166700	9.916	ng/u1	0.00
81) Pyrene-d10	19.669	212	198446	9.892	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.446	264	182938	9.695	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.376	88	5889	3.781	ng/uL	93
5) Pyridine	3.770	79	38106	9.717	ng/u1	97
6) Benzaldehyde	7.043	77	11912m	7.911	ng/u1	
8) Phenol	7.090	94	43351	9.475	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.319	93	34310	9.712	ng/u1	98
12) 2-Chlorophenol	7.466	128	31119	9.617	ng/u1	95
13) 2-Methylphenol	8.341	108	33516	9.328	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.429	45	57220	10.522	ng/u1	98
16) Acetophenone	8.723	105	58260	10.322	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.700	70	30957	10.260	ng/u1	98
18) 4-Methylphenol	8.670	108	36893	9.495	ng/u1	96
19) Hexachloroethane	8.982	117	12794	10.314	ng/u1	83
22) Nitrobenzene	9.105	77	40701	9.545	ng/u1	99
23) Isophorone	9.622	82	92703	10.189	ng/u1	100
25) 2-Nitrophenol	9.816	139	17403	9.395	ng/u1	98
26) 2,4-Dimethylphenol	9.875	107	39983	9.599	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.110	93	49371	9.629	ng/u1	97
29) 2,4-Dichlorophenol	10.351	162	29741	9.237	ng/u1	97
30) Naphthalene	10.756	128	112494	9.933	ng/u1	99
32) 4-Chloroaniline	10.862	127	50203	9.779	ng/u1	98
33) Hexachlorobutadiene	11.032	225	21872	9.595	ng/u1	96
34) Caprolactam	11.620	113	12745	9.845	ng/u1	92
35) 4-Chloro-3-methylphenol	11.990	107	37977	9.602	ng/u1	94
36) 2-Methylnaphthalene	12.360	142	75144	9.843	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.583	142	78386	10.239	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.730	216	44937	10.081	ng/ul	99
40) Hexachlorocyclopentadiene	12.707	237	18276	6.509	ng/ul	93
41) 2,4,6-Trichlorophenol	12.971	196	28322	9.375	ng/ul	95
42) 2,4,5-Trichlorophenol	13.041	196	29969	9.173	ng/ul	97
43) 1,1'-Biphenyl	13.371	154	106952	10.147	ng/ul	99
44) 2-Chloronaphthalene	13.412	162	83033	9.815	ng/ul	97
45) 2-Nitroaniline	13.617	65	26336	8.954	ng/ul	94
47) Dimethylphthalate	13.987	163	121207	10.454	ng/ul	98
48) 2,6-Dinitrotoluene	14.111	165	21736	9.133	ng/ul	95
50) Acenaphthylene	14.258	152	135872	9.991	ng/ul	99
51) 3-Nitroaniline	14.446	138	16195	8.052	ng/ul	93
52) Acenaphthene	14.598	153	93873	10.059	ng/ul	99
53) 2,4-Dinitrophenol	14.651	184	8164	6.580	ng/ul#	88
55) 4-Nitrophenol	14.751	109	11483	7.602	ng/ul	94
56) Dibenzofuran	14.933	168	135795	10.237	ng/ul	100
57) 2,4-Dinitrotoluene	14.898	165	31870	9.451	ng/ul	91
58) 2,3,4,6-Tetrachlorophenol	15.163	232	27865	9.369	ng/ul#	96
59) Diethylphthalate	15.345	149	125662	10.384	ng/ul	99
61) Fluorene	15.586	166	111874	10.278	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.574	204	58701	10.193	ng/ul	98
63) 4-Nitroaniline	15.603	138	12027m	6.675	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.662	198	17026	8.463	ng/ul	98
67) N-Nitrosodiphenylamine	15.791	169	95399	9.894	ng/ul	99
68) 4-Bromophenyl-phenylether	16.467	248	39876	10.027	ng/ul	100
69) Hexachlorobenzene	16.590	284	44821	10.066	ng/ul	97
70) Atrazine	16.731	200	38633	9.798	ng/ul	98
71) Pentachlorophenol	16.937	266	21706m	8.120	ng/ul	
72) Phenanthrene	17.325	178	185963	10.091	ng/ul	99
74) Anthracene	17.413	178	185291	9.936	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.335	216	48044	9.999	ng/uL	98
76) Pentachlorobenzene	14.857	250	51276	9.992	ng/uL	98
77) Carbazole	17.683	167	170785	10.126	ng/ul	98
78) Di-n-butylphthalate	18.235	149	204433	9.515	ng/ul	99
80) Fluoranthene	19.334	202	227063	9.768	ng/ul	99
82) Pyrene	19.698	202	235398	10.060	ng/ul	99
83) Butylbenzylphthalate	20.580	149	86882	9.157	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.432	252	74624	9.677	ng/ul	97
85) Benzo(a)anthracene	21.508	228	223292	9.763	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.414	149	126286	9.288	ng/ul	99
87) Chrysene	21.579	228	215318	10.043	ng/ul	99
89) Di-n-octyl phthalate	22.589	149	213649	9.388	ng/ul	100
90) Benzo(b)fluoranthene	23.664	252	226214	9.864	ng/ul	99
91) Benzo(k)fluoranthene	23.729	252	222600	9.903	ng/ul	99
93) Benzo(a)pyrene	24.510	252	198187	9.764	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.224	276	256186	9.505	ng/ul	98
95) Dibenzo(a,h)anthracene	28.282	278	212607	9.565	ng/ul	98
96) Benzo(g,h,i)perylene	29.340	276	208592	9.475	ng/ul	98

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

