

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071024\
 Data File : BG061991.D
 Acq On : 10 Jul 2024 9:39
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020564

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/11/2024
 Supervised By :mohammad ahmed 07/11/2024

Quant Time: Jul 10 10:59:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.094	152	31255	20.000	ng/u1	0.00
20) Naphthalene-d8	10.908	136	168152	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.715	164	135694	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.459	188	318249	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.719	240	284028	20.000	ng/u1	# 0.00
88) Perylene-d12	24.950	264	346262	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.475	96	5547	6.669	ng/uL	-0.01
4) Pyridine-d5	3.898	84	43350	16.951	ng/u1	0.00
7) Phenol-d5	7.242	99	65364	19.110	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.412	67	36865	17.019	ng/u1	0.00
11) 2-Chlorophenol-d4	7.623	132	46146	19.668	ng/u1	0.00
15) 4-Methylphenol-d8	8.793	113	51920	19.279	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	25827	20.195	ng/u1	0.00
24) 2-Nitrophenol-d4	9.980	143	30294	20.743	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.520	165	61021	21.662	ng/u1	-0.01
31) 4-Chloroaniline-d4	11.043	131	81897	20.025	ng/u1	0.00
46) Dimethylphthalate-d6	14.116	166	205110	18.386	ng/u1	0.00
49) Acenaphthylene-d8	14.410	160	228610	19.598	ng/u1	0.00
54) 4-Nitrophenol-d4	14.909	143	30135	16.915	ng/u1	0.00
60) Fluorene-d10	15.702	176	181879	19.366	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.814	200	34452	20.613	ng/u1	-0.01
73) Anthracene-d10	17.553	188	282312	19.000	ng/u1	0.00
81) Pyrene-d10	19.833	212	309528	18.528	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.733	264	333718	19.433	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.517	88	7736	8.427	ng/uL#	73
5) Pyridine	3.922	79	48365	18.441	ng/u1	98
6) Benzaldehyde	7.230	77	40011	22.102	ng/u1	97
8) Phenol	7.271	94	69928	19.968	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.512	93	49035	18.227	ng/u1	97
12) 2-Chlorophenol	7.653	128	48425	20.259	ng/u1	93
13) 2-Methylphenol	8.528	108	50163	20.070	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.616	45	100100	17.031	ng/u1	99
16) Acetophenone	8.916	105	85892	19.308	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.893	70	46591	18.708	ng/u1#	97
18) 4-Methylphenol	8.857	108	58328	20.838	ng/u1	99
19) Hexachloroethane	9.175	117	20259	19.537	ng/u1	96
22) Nitrobenzene	9.298	77	73045	20.122	ng/u1	97
23) Isophorone	9.821	82	141781	17.288	ng/u1	98
25) 2-Nitrophenol	10.009	139	29549	19.840	ng/u1	91
26) 2,4-Dimethylphenol	10.068	107	71851	20.158	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.303	93	76392	16.915	ng/u1	99
29) 2,4-Dichlorophenol	10.544	162	54715	20.678	ng/u1	95
30) Naphthalene	10.955	128	180880	19.583	ng/u1	96
32) 4-Chloroaniline	11.061	127	81100	20.210	ng/u1	95
33) Hexachlorobutadiene	11.225	225	45335	22.768	ng/u1	96
34) Caprolactam	11.813	113	21121	20.373	ng/u1	90
35) 4-Chloro-3-methylphenol	12.171	107	74540	21.151	ng/u1#	87
36) 2-Methylnaphthalene	12.553	142	137896	20.607	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.770	142	146253	21.031	ng/ul	93
39) 1,2,4,5-Tetrachloroben...	12.911	216	76710	18.825	ng/ul	98
40) Hexachlorocyclopentadiene	12.888	237	36152	13.327	ng/ul	97
41) 2,4,6-Trichlorophenol	13.152	196	51074	18.870	ng/ul	97
42) 2,4,5-Trichlorophenol	13.229	196	56267	18.925	ng/ul	94
43) 1,1'-Biphenyl	13.552	154	192720	18.433	ng/ul	95
44) 2-Chloronaphthalene	13.599	162	150596	19.192	ng/ul	97
45) 2-Nitroaniline	13.799	65	64886	20.650	ng/ul	96
47) Dimethylphthalate	14.163	163	194703	18.145	ng/ul	99
48) 2,6-Dinitrotoluene	14.286	165	42447	20.852	ng/ul#	96
50) Acenaphthylene	14.439	152	246953	19.289	ng/ul	99
51) 3-Nitroaniline	14.615	138	39357	19.863	ng/ul	97
52) Acenaphthene	14.780	153	168339	19.042	ng/ul	97
53) 2,4-Dinitrophenol	14.827	184	18693	17.577	ng/ul	89
55) 4-Nitrophenol	14.921	109	39831	19.589	ng/ul	86
56) Dibenzofuran	15.109	168	238785	19.111	ng/ul	95
57) 2,4-Dinitrotoluene	15.074	165	64957	21.759	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.332	232	51772	19.284	ng/ul	93
59) Diethylphthalate	15.520	149	212285	18.359	ng/ul	97
61) Fluorene	15.761	166	200099	18.831	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.749	204	103914	19.469	ng/ul	98
63) 4-Nitroaniline	15.779	138	41180	20.482	ng/ul	89
66) 4,6-Dinitro-2-methylph...	15.832	198	34378	19.112	ng/ul#	87
67) N-Nitrosodiphenylamine	15.961	169	168223	19.356	ng/ul	98
68) 4-Bromophenyl-phenylether	16.642	248	70878	19.631	ng/ul	91
69) Hexachlorobenzene	16.754	284	84985	20.470	ng/ul	94
70) Atrazine	16.901	200	69313	20.202	ng/ul	93
71) Pentachlorophenol	17.101	266	38927	17.058	ng/ul	94
72) Phenanthrene	17.500	178	316769	18.877	ng/ul	98
74) Anthracene	17.588	178	327684	18.896	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.517	216	80435	20.350	ng/ul	96
76) Pentachlorobenzene	15.027	250	93084	20.648	ng/ul	94
77) Carbazole	17.859	167	283263	19.409	ng/ul	99
78) Di-n-butylphthalate	18.405	149	340736	18.185	ng/ul	100
80) Fluoranthene	19.504	202	369063	18.667	ng/ul#	95
82) Pyrene	19.862	202	387383	18.968	ng/ul#	93
83) Butylbenzylphthalate	20.738	149	146706	17.116	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.613	252	145523	21.536	ng/ul#	94
85) Benzo(a)anthracene	21.695	228	398780	19.392	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.589	149	215555	17.526	ng/ul	98
87) Chrysene	21.760	228	365966	19.010	ng/ul	97
89) Di-n-octyl phthalate	22.806	149	386490	18.270	ng/ul	100
90) Benzo(b)fluoranthene	23.922	252	401719	18.414	ng/ul	99
91) Benzo(k)fluoranthene	23.987	252	429327m	19.735	ng/ul	
93) Benzo(a)pyrene	24.803	252	401360	19.429	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.640	276	514742m	19.498	ng/ul	
95) Dibenzo(a,h)anthracene	28.705	278	412726	18.930	ng/ul	97
96) Benzo(g,h,i)perylene	29.792	276	394095m	18.765	ng/ul	

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

