

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072324\
 Data File : BG062204.D
 Acq On : 24 Jul 2024 4:07
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020586

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 24 04:53:59 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071924.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Jul 19 14:38:52 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	42521	20.000	ng/u1	0.00
20) Naphthalene-d8	10.878	136	178568	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.696	164	153521	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.440	188	390361	20.000	ng/u1	0.00
79) Chrysene-d12	21.705	240	372558	20.000	ng/u1	0.00
88) Perylene-d12	24.936	264	382294	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.453	96	6757m	7.419	ng/uL	0.00
4) Pyridine-d5	3.882	84	63385	19.155	ng/u1	0.00
7) Phenol-d5	7.248	99	81291	19.419	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.389	67	44519	18.509	ng/u1	0.00
11) 2-Chlorophenol-d4	7.606	132	53912	20.436	ng/u1	0.00
15) 4-Methylphenol-d8	8.793	113	65194	20.449	ng/u1	0.00
21) Nitrobenzene-d5	9.239	128	27162	19.092	ng/u1	0.00
24) 2-Nitrophenol-d4	9.956	143	34145	19.941	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.508	165	76718	21.402	ng/u1	0.00
31) 4-Chloroaniline-d4	11.019	131	82084	19.036	ng/u1	0.00
46) Dimethylphthalate-d6	14.097	166	238708	18.344	ng/u1	0.00
49) Acenaphthylene-d8	14.391	160	266944	20.231	ng/u1	0.00
54) 4-Nitrophenol-d4	14.931	143	19367	12.351	ng/u1	0.01
60) Fluorene-d10	15.683	176	219274	19.791	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.819	200	24499m	9.876	ng/u1	0.00
73) Anthracene-d10	17.540	188	366682m	20.109	ng/u1	0.00
81) Pyrene-d10	19.819	212	423228	20.036	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.718	264	392602	20.544	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.488	88	9226m	7.728	ng/uL	
5) Pyridine	3.899	79	67461	19.923	ng/u1	89
6) Benzaldehyde	7.207	77	49644	22.588	ng/u1	85
8) Phenol	7.277	94	81224	19.666	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.483	93	53855	18.931	ng/u1#	91
12) 2-Chlorophenol	7.635	128	50751	18.948	ng/u1#	88
13) 2-Methylphenol	8.528	108	60163	19.441	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.581	45	96334	19.135	ng/u1	97
16) Acetophenone	8.893	105	103174	18.537	ng/u1	90
17) N-Nitroso-di-n-propyla...	8.869	70	56139	17.627	ng/u1	99
18) 4-Methylphenol	8.857	108	66289	19.426	ng/u1	93
19) Hexachloroethane	9.145	117	23989	20.007	ng/u1	82
22) Nitrobenzene	9.280	77	90497	19.670	ng/u1	95
23) Isophorone	9.797	82	163988	17.571	ng/u1#	94
25) 2-Nitrophenol	9.991	139	35964	19.860	ng/u1#	89
26) 2,4-Dimethylphenol	10.056	107	86430	19.889	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.279	93	78200	18.006	ng/u1	98
29) 2,4-Dichlorophenol	10.537	162	68796	20.202	ng/u1#	89
30) Naphthalene	10.931	128	197431	20.495	ng/u1	97
32) 4-Chloroaniline	11.048	127	80763	19.925	ng/u1	92
33) Hexachlorobutadiene	11.195	225	62622	19.353	ng/u1	93
34) Caprolactam	11.812	113	20114m	17.298	ng/u1	
35) 4-Chloro-3-methylphenol	12.176	107	82403	20.180	ng/u1	97
36) 2-Methylnaphthalene	12.529	142	145432	19.998	ng/u1	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.746	142	151537	20.209	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.887	216	130147	21.023	ng/ul#	96
40) Hexachlorocyclopentadiene	12.864	237	41913	13.805	ng/ul#	93
41) 2,4,6-Trichlorophenol	13.140	196	69073	19.891	ng/ul	82
42) 2,4,5-Trichlorophenol	13.228	196	73713	19.501	ng/ul	99
43) 1,1'-Biphenyl	13.527	154	220512	20.292	ng/ul	96
44) 2-Chloronaphthalene	13.580	162	180371	20.187	ng/ul	95
45) 2-Nitroaniline	13.786	65	66195	20.104	ng/ul	96
47) Dimethylphthalate	14.144	163	224617	18.128	ng/ul	99
48) 2,6-Dinitrotoluene	14.279	165	49310	19.433	ng/ul#	92
50) Acenaphthylene	14.420	152	287621	19.996	ng/ul	99
51) 3-Nitroaniline	14.614	138	42108	20.542	ng/ul#	98
52) Acenaphthene	14.761	153	188470	19.739	ng/ul	95
53) 2,4-Dinitrophenol	14.920	184	3956m	2.912	ng/ul	
55) 4-Nitrophenol	14.943	109	28721	11.967	ng/ul	86
56) Dibenzofuran	15.096	168	281303	19.565	ng/ul	98
57) 2,4-Dinitrotoluene	15.067	165	69452	17.838	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.325	232	42555	12.796	ng/ul#	92
59) Diethylphthalate	15.495	149	221861	18.110	ng/ul	97
61) Fluorene	15.742	166	235234	19.080	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.725	204	145988	19.121	ng/ul	96
63) 4-Nitroaniline	15.772	138	44310	20.201	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.830	198	19795	8.499	ng/ul	96
67) N-Nitrosodiphenylamine	15.948	169	188934	19.786	ng/ul	94
68) 4-Bromophenyl-phenylether	16.623	248	96079	21.136	ng/ul	94
69) Hexachlorobenzene	16.741	284	101432	21.027	ng/ul	94
70) Atrazine	16.888	200	95448	19.836	ng/ul	93
72) Phenanthrene	17.481	178	376158	20.025	ng/ul	95
74) Anthracene	17.575	178	385178	19.917	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.498	216	129652	23.188	ng/ul	92
76) Pentachlorobenzene	15.008	250	121157	21.895	ng/ul	97
77) Carbazole	17.851	167	324447	19.732	ng/ul	98
78) Di-n-butylphthalate	18.380	149	359710	19.082	ng/ul	98
80) Fluoranthene	19.484	202	500809	20.667	ng/ul	99
82) Pyrene	19.848	202	502533	19.945	ng/ul	99
83) Butylbenzylphthalate	20.718	149	150604	20.143	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.599	252	177964	22.009	ng/ul	96
85) Benzo(a)anthracene	21.681	228	516756	19.761	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.564	149	214838	20.045	ng/ul	98
87) Chrysene	21.752	228	473395	19.691	ng/ul	96
89) Di-n-octyl phthalate	22.774	149	364204	20.709	ng/ul	100
90) Benzo(b)fluoranthene	23.908	252	473816	20.061	ng/ul	99
91) Benzo(k)fluoranthene	23.972	252	482647	20.471	ng/ul	98
93) Benzo(a)pyrene	24.783	252	440826	19.929	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.636	276	521871m	20.535	ng/ul	
95) Dibenzo(a,h)anthracene	28.689	278	436434	20.711	ng/ul	95
96) Benzo(g,h,i)perylene	29.794	276	413502m	20.324	ng/ul	

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

