

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082324\
 Data File : BG062568.D
 Acq On : 23 Aug 2024 15:54
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020474

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/24/2024

Quant Time: Aug 23 17:21:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 20 23:01:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	58277	20.000	ng/u1	0.00
20) Naphthalene-d8	10.730	136	256809	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.566	164	182169	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.304	188	363401	20.000	ng/u1	0.00
79) Chrysene-d12	21.557	240	319011	20.000	ng/u1	0.01
88) Perylene-d12	24.641	264	353799	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	9387	6.116	ng/uL	0.00
4) Pyridine-d5	3.810	84	78506	16.784	ng/u1	0.00
7) Phenol-d5	7.106	99	106106	18.302	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.264	67	62633	17.151	ng/u1	0.00
11) 2-Chlorophenol-d4	7.476	132	79025	19.955	ng/u1	0.00
15) 4-Methylphenol-d8	8.645	113	86225	17.743	ng/u1	0.00
21) Nitrobenzene-d5	9.091	128	40759	24.749	ng/u1	0.00
24) 2-Nitrophenol-d4	9.814	143	44825	27.361	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.354	165	89651	21.484	ng/u1	0.00
31) 4-Chloroaniline-d4	10.865	131	113607	17.168	ng/u1	0.00
46) Dimethylphthalate-d6	13.967	166	249380	17.599	ng/u1	0.00
49) Acenaphthylene-d8	14.255	160	293594	18.713	ng/u1	0.00
54) 4-Nitrophenol-d4	14.766	143	39214	17.347	ng/u1	0.02
60) Fluorene-d10	15.553	176	224986	17.604	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.670	200	38620	23.390	ng/u1	0.00
73) Anthracene-d10	17.403	188	325390	18.639	ng/u1	0.00
81) Pyrene-d10	19.689	212	376686	20.162	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.435	264	360959	19.224	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.434	88	9712	5.928	ng/uL	92
5) Pyridine	3.828	79	88763	18.036	ng/u1	92
6) Benzaldehyde	7.076	77	67708	22.529	ng/u1	99
8) Phenol	7.129	94	110230	18.120	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.358	93	77273	17.167	ng/u1	99
12) 2-Chlorophenol	7.505	128	81894	19.992	ng/u1	99
13) 2-Methylphenol	8.380	108	80078	17.493	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.457	45	152745	16.440	ng/u1	99
16) Acetophenone	8.756	105	132348	16.626	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.739	70	67049	15.961	ng/u1	97
18) 4-Methylphenol	8.703	108	92692	17.678	ng/u1	99
19) Hexachloroethane	9.021	117	30844	18.924	ng/u1	95
22) Nitrobenzene	9.132	77	101887	21.902	ng/u1	93
23) Isophorone	9.655	82	181828	16.550	ng/u1	100
25) 2-Nitrophenol	9.843	139	48851	26.690	ng/u1	97
26) 2,4-Dimethylphenol	9.908	107	99539	19.942	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.137	93	110367	18.061	ng/u1	97
29) 2,4-Dichlorophenol	10.378	162	90410	21.099	ng/u1	97
30) Naphthalene	10.783	128	272906	18.323	ng/u1	100
32) 4-Chloroaniline	10.889	127	111049	17.261	ng/u1	97
33) Hexachlorobutadiene	11.071	225	61250	18.804	ng/u1	99
34) Caprolactam	11.652	113	34276	19.832	ng/u1	83
35) 4-Chloro-3-methylphenol	12.017	107	96428	19.231	ng/u1	97
36) 2-Methylnaphthalene	12.387	142	191505	18.207	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.610	142	196604	18.320	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.757	216	121194	19.922	ng/ul	99
40) Hexachlorocyclopentadiene	12.739	237	47127	15.114	ng/ul	97
41) 2,4,6-Trichlorophenol	12.998	196	77223	22.068	ng/ul	95
42) 2,4,5-Trichlorophenol	13.068	196	80421	21.889	ng/ul	98
43) 1,1'-Biphenyl	13.397	154	272232	19.725	ng/ul	97
44) 2-Chloronaphthalene	13.438	162	214609	20.096	ng/ul	100
45) 2-Nitroaniline	13.638	65	65632	23.728	ng/ul	96
47) Dimethylphthalate	14.014	163	252731	17.592	ng/ul	100
48) 2,6-Dinitrotoluene	14.131	165	48733	23.751	ng/ul	92
50) Acenaphthylene	14.284	152	313599	18.669	ng/ul	99
51) 3-Nitroaniline	14.460	138	48830	20.887	ng/ul	96
52) Acenaphthene	14.625	153	232800	18.518	ng/ul	97
53) 2,4-Dinitrophenol	14.666	184	26949	20.823	ng/ul	94
55) 4-Nitrophenol	14.778	109	33876	17.459	ng/ul	99
56) Dibenzofuran	14.960	168	321013	18.152	ng/ul	98
57) 2,4-Dinitrotoluene	14.919	165	69954	22.398	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.189	232	69500	19.675	ng/ul#	98
59) Diethylphthalate	15.383	149	241382	16.836	ng/ul	98
61) Fluorene	15.612	166	246580	17.690	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.606	204	127716	17.830	ng/ul	98
63) 4-Nitroaniline	15.623	138	47015	19.240	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.682	198	41242	22.168	ng/ul	97
67) N-Nitrosodiphenylamine	15.817	169	212179	20.141	ng/ul	99
68) 4-Bromophenyl-phenylether	16.499	248	84750	20.781	ng/ul	99
69) Hexachlorobenzene	16.616	284	93378	19.652	ng/ul	96
70) Atrazine	16.763	200	75390	17.163	ng/ul	100
71) Pentachlorophenol	16.957	266	57720	20.817	ng/ul	99
72) Phenanthrene	17.351	178	380977	18.657	ng/ul	98
74) Anthracene	17.439	178	385861	18.447	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.362	216	124304	23.928	ng/ul	98
76) Pentachlorobenzene	14.883	250	117664	21.592	ng/ul	99
77) Carbazole	17.709	167	315139	17.935	ng/ul	99
78) Di-n-butylphthalate	18.273	149	389009	18.507	ng/ul	98
80) Fluoranthene	19.360	202	429085	20.558	ng/ul	100
82) Pyrene	19.718	202	457748	20.348	ng/ul	99
83) Butylbenzylphthalate	20.611	149	161304	21.287	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.451	252	137320	19.722	ng/ul#	95
85) Benzo(a)anthracene	21.533	228	443000	19.132	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.451	149	218285	19.717	ng/ul	97
87) Chrysene	21.598	228	422337	19.239	ng/ul	98
89) Di-n-octyl phthalate	22.620	149	406315	21.534	ng/ul	100
90) Benzo(b)fluoranthene	23.666	252	396226	18.539	ng/ul	98
91) Benzo(k)fluoranthene	23.730	252	418036	19.378	ng/ul	99
93) Benzo(a)pyrene	24.494	252	380529	18.886	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.130	276	471752m	18.421	ng/ul	
95) Dibenzo(a,h)anthracene	28.195	278	392101m	18.889	ng/ul	
96) Benzo(g,h,i)perylene	29.211	276	346348m	17.585	ng/ul	

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

