

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
 Data File : BG063816.D
 Acq On : 24 Dec 2024 12:58
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020581

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/26/2024

Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 01:40:20 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Dec 24 00:44:39 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	95970	20.000	ng/u1	0.00
20) Naphthalene-d8	10.590	136	409648	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.439	164	323665	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.189	188	788910	20.000	ng/u1	0.00
79) Chrysene-d12	21.442	240	779946	20.000	ng/u1	0.00
88) Perylene-d12	24.456	264	815469	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	21433	8.752	ng/uL	0.00
4) Pyridine-d5	3.669	84	156388	20.243	ng/u1	0.00
7) Phenol-d5	6.983	99	188399	21.315	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.130	67	120362	19.716	ng/u1	0.00
11) 2-Chlorophenol-d4	7.335	132	125570	21.944	ng/u1	0.00
15) 4-Methylphenol-d8	8.516	113	146351	21.327	ng/u1	0.00
21) Nitrobenzene-d5	8.951	128	65367	22.348	ng/u1	0.00
24) 2-Nitrophenol-d4	9.674	143	74052	22.586	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.220	165	148866	23.451	ng/u1	0.00
31) 4-Chloroaniline-d4	10.726	131	203027	25.189	ng/u1	0.00
46) Dimethylphthalate-d6	13.845	166	469180	21.303	ng/u1	0.00
49) Acenaphthylene-d8	14.127	160	558949	22.264	ng/u1	0.00
54) 4-Nitrophenol-d4	14.668	143	67611	21.667	ng/u1	0.00
60) Fluorene-d10	15.438	176	429858	22.075	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.573	200	77813	18.997	ng/u1	0.00
73) Anthracene-d10	17.288	188	780330	23.006	ng/u1	0.00
81) Pyrene-d10	19.592	212	917683	22.611	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.245	264	856040	22.354	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.293	88	23982	8.275	ng/uL	93
5) Pyridine	3.687	79	167121	20.196	ng/u1	89
6) Benzaldehyde	6.942	77	114587	21.135	ng/u1	90
8) Phenol	7.012	94	203756	21.630	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.224	93	150962	20.946	ng/u1	96
12) 2-Chlorophenol	7.371	128	130573	22.543	ng/u1	97
13) 2-Methylphenol	8.252	108	142358	20.909	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.317	45	226295	21.150	ng/u1	98
16) Acetophenone	8.616	105	245956	21.131	ng/u1	89
17) N-Nitroso-di-n-propyla...	8.599	70	136534	19.659	ng/u1	93
18) 4-Methylphenol	8.581	108	163270	21.911	ng/u1	97
19) Hexachloroethane	8.875	117	55312	19.434	ng/u1	92
22) Nitrobenzene	8.992	77	207163	21.210	ng/u1	98
23) Isophorone	9.515	82	389374	21.099	ng/u1	99
25) 2-Nitrophenol	9.703	139	76696	22.762	ng/u1	92
26) 2,4-Dimethylphenol	9.774	107	167164	21.863	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.997	93	218548	21.895	ng/u1	97
29) 2,4-Dichlorophenol	10.250	162	146047	23.155	ng/u1	96
30) Naphthalene	10.637	128	451124	22.026	ng/u1	98
32) 4-Chloroaniline	10.755	127	190629	24.858	ng/u1	97
33) Hexachlorobutadiene	10.919	225	101029	19.716	ng/u1	96
34) Caprolactam	11.495	113	53744m	24.649	ng/u1	
35) 4-Chloro-3-methylphenol	11.895	107	168948	22.815	ng/u1	95
36) 2-Methylnaphthalene	12.253	142	321946	21.871	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.471	142	334245	22.292	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.629	216	201732	19.470	ng/ul	97
40) Hexachlorocyclopentadiene	12.606	237	69448	16.955	ng/ul	96
41) 2,4,6-Trichlorophenol	12.876	196	122574	20.931	ng/ul	89
42) 2,4,5-Trichlorophenol	12.952	196	130672	21.381	ng/ul	96
43) 1,1'-Biphenyl	13.270	154	463773	21.727	ng/ul	98
44) 2-Chloronaphthalene	13.311	162	370452	21.613	ng/ul	100
45) 2-Nitroaniline	13.522	65	132680	23.109	ng/ul	95
47) Dimethylphthalate	13.892	163	477586	21.637	ng/ul	97
48) 2,6-Dinitrotoluene	14.016	165	94101	22.955	ng/ul#	95
50) Acenaphthylene	14.157	152	594710	22.092	ng/ul	99
51) 3-Nitroaniline	14.351	138	67134	17.713	ng/ul	100
52) Acenaphthene	14.503	153	431630	22.622	ng/ul	99
53) 2,4-Dinitrophenol	14.574	184	35168m	16.787	ng/ul	
55) 4-Nitrophenol	14.686	109	68794	21.231	ng/ul	91
56) Dibenzofuran	14.838	168	605409	22.506	ng/ul	98
57) 2,4-Dinitrotoluene	14.815	165	146424	24.039	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.079	232	110208	20.919	ng/ul	92
59) Diethylphthalate	15.261	149	478575	22.428	ng/ul	98
61) Fluorene	15.491	166	481234	22.404	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.485	204	254826	21.295	ng/ul	98
63) 4-Nitroaniline	15.514	138	52796m	13.914	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.585	198	80608	19.102	ng/ul#	94
67) N-Nitrosodiphenylamine	15.702	169	427824	22.395	ng/ul	97
68) 4-Bromophenyl-phenylether	16.378	248	174936	21.758	ng/ul	94
69) Hexachlorobenzene	16.501	284	198831	22.073	ng/ul	97
70) Atrazine	16.654	200	177795	22.017	ng/ul	96
71) Pentachlorophenol	16.860	266	62011m	16.327	ng/ul	
72) Phenanthrene	17.236	178	892722	23.482	ng/ul	99
74) Anthracene	17.324	178	916749	23.825	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.234	216	209160	19.871	ng/ul	98
76) Pentachlorobenzene	14.768	250	218088	20.914	ng/ul	97
77) Carbazole	17.600	167	794523	25.508	ng/ul	98
78) Di-n-butylphthalate	18.158	149	922946	24.536	ng/ul	98
80) Fluoranthene	19.257	202	1079254	23.396	ng/ul	98
82) Pyrene	19.621	202	1137198	23.171	ng/ul	96
83) Butylbenzylphthalate	20.514	149	378542	25.126	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.343	252	292352	20.764	ng/ul	96
85) Benzo(a)anthracene	21.425	228	1077982	22.054	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.337	149	559864	25.546	ng/ul	98
87) Chrysene	21.484	228	1027757	22.061	ng/ul	97
89) Di-n-octyl phthalate	22.465	149	953571	27.092	ng/ul	100
90) Benzo(b)fluoranthene	23.499	252	1044320	22.532	ng/ul	99
91) Benzo(k)fluoranthene	23.563	252	1045978	22.625	ng/ul	99
93) Benzo(a)pyrene	24.315	252	952218	21.888	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.853	276	1222007	23.001	ng/ul	98
95) Dibenzo(a,h)anthracene	27.894	278	975591	22.949	ng/ul	97
96) Benzo(g,h,i)perylene	28.910	276	928961	22.035	ng/ul	98

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

