

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122624\
 Data File : BG063905.D
 Acq On : 28 Dec 2024 15:21
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020588

Quant Time: Dec 30 00:18:39 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	118279	20.000	ng/u1	0.00
20) Naphthalene-d8	10.585	136	483138	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.439	164	342998	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.195	188	820238	20.000	ng/u1	0.00
79) Chrysene-d12	21.449	240	862032	20.000	ng/u1	0.01
88) Perylene-d12	24.475	264	893167	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	25941	8.595	ng/uL	0.00
4) Pyridine-d5	3.670	84	195953	20.580	ng/u1	0.00
7) Phenol-d5	6.983	99	211884	19.451	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.130	67	141822	18.850	ng/u1	0.00
11) 2-Chlorophenol-d4	7.336	132	142766	20.244	ng/u1	0.00
15) 4-Methylphenol-d8	8.517	113	160053	18.924	ng/u1	0.00
21) Nitrobenzene-d5	8.957	128	77665	22.514	ng/u1	0.00
24) 2-Nitrophenol-d4	9.674	143	84650	21.891	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.221	165	159565	21.313	ng/u1	0.00
31) 4-Chloroaniline-d4	10.726	131	207068	21.783	ng/u1	0.00
46) Dimethylphthalate-d6	13.846	166	493018	21.124	ng/u1	0.00
49) Acenaphthylene-d8	14.134	160	581764	21.866	ng/u1	0.00
54) 4-Nitrophenol-d4	14.674	143	68880	20.829	ng/u1	0.00
60) Fluorene-d10	15.438	176	445687	21.598	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.579	200	81760	19.198	ng/u1	0.01
73) Anthracene-d10	17.295	188	788286	22.353	ng/u1	0.00
81) Pyrene-d10	19.598	212	951713	21.216	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.263	264	893882	21.312	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.299	88	30517	8.543	ng/uL	98
5) Pyridine	3.687	79	207616	20.358	ng/u1	93
6) Benzaldehyde	6.942	77	148386	22.207	ng/u1	87
8) Phenol	7.013	94	223360	19.239	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.224	93	170917	19.242	ng/u1	98
12) 2-Chlorophenol	7.371	128	147393	20.647	ng/u1	95
13) 2-Methylphenol	8.252	108	160863	19.171	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.317	45	261553	19.834	ng/u1	99
16) Acetophenone	8.617	105	276308	19.261	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.599	70	156776	18.316	ng/u1	89
18) 4-Methylphenol	8.581	108	176991	19.273	ng/u1	96
19) Hexachloroethane	8.869	117	65490	18.670	ng/u1	95
22) Nitrobenzene	8.999	77	236051	20.491	ng/u1	98
23) Isophorone	9.516	82	419268	19.263	ng/u1	99
25) 2-Nitrophenol	9.704	139	88305	22.221	ng/u1	91
26) 2,4-Dimethylphenol	9.774	107	168430	18.678	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.997	93	240992	20.471	ng/u1	96
29) 2,4-Dichlorophenol	10.250	162	154896	20.822	ng/u1	96
30) Naphthalene	10.638	128	505753	20.937	ng/u1	96
32) 4-Chloroaniline	10.755	127	195673	21.635	ng/u1	96
33) Hexachlorobutadiene	10.920	225	115699	19.144	ng/u1	98
34) Caprolactam	11.507	113	53071m	20.638	ng/u1	
35) 4-Chloro-3-methylphenol	11.895	107	177020	20.269	ng/u1	95
36) 2-Methylnaphthalene	12.254	142	353026	20.335	ng/u1	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.471	142	362387	20.493	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.630	216	219578	19.997	ng/ul	95
40) Hexachlorocyclopentadiene	12.606	237	69971	16.120	ng/ul	97
41) 2,4,6-Trichlorophenol	12.876	196	130302	20.996	ng/ul	94
42) 2,4,5-Trichlorophenol	12.959	196	138747	21.422	ng/ul	100
43) 1,1'-Biphenyl	13.270	154	485130	21.447	ng/ul	95
44) 2-Chloronaphthalene	13.311	162	383473	21.111	ng/ul	98
45) 2-Nitroaniline	13.523	65	135127	22.209	ng/ul	93
47) Dimethylphthalate	13.899	163	493516	21.098	ng/ul	97
48) 2,6-Dinitrotoluene	14.022	165	98876	22.761	ng/ul#	86
50) Acenaphthylene	14.163	152	619077	21.701	ng/ul	99
51) 3-Nitroaniline	14.351	138	83374	20.758	ng/ul	83
52) Acenaphthene	14.504	153	429554	21.244	ng/ul	96
53) 2,4-Dinitrophenol	14.580	184	32902	14.820	ng/ul#	85
55) 4-Nitrophenol	14.692	109	57468	16.736	ng/ul	96
56) Dibenzofuran	14.845	168	626381	21.973	ng/ul	93
57) 2,4-Dinitrotoluene	14.821	165	147362	22.829	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.080	232	117675	21.078	ng/ul	97
59) Diethylphthalate	15.268	149	481620	21.299	ng/ul	96
61) Fluorene	15.497	166	495058	21.748	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.491	204	257962	20.342	ng/ul	93
63) 4-Nitroaniline	15.520	138	75701m	18.826	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.591	198	86292	19.668	ng/ul#	92
67) N-Nitrosodiphenylamine	15.702	169	425670	21.431	ng/ul	97
68) 4-Bromophenyl-phenylether	16.384	248	173324	20.734	ng/ul	99
69) Hexachlorobenzene	16.507	284	200531	21.411	ng/ul	96
70) Atrazine	16.660	200	177787	21.175	ng/ul	97
71) Pentachlorophenol	16.860	266	65376m	16.556	ng/ul	
72) Phenanthrene	17.236	178	891560	22.556	ng/ul	97
74) Anthracene	17.330	178	899109	22.474	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.235	216	218578	19.973	ng/ul	100
76) Pentachlorobenzene	14.768	250	223020	20.571	ng/ul	98
77) Carbazole	17.606	167	787327	24.312	ng/ul	98
78) Di-n-butylphthalate	18.164	149	953922	24.391	ng/ul	98
80) Fluoranthene	19.263	202	1110861	21.788	ng/ul	97
82) Pyrene	19.627	202	1171187	21.591	ng/ul	96
83) Butylbenzylphthalate	20.520	149	411136	24.690	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.355	252	335526	21.561	ng/ul	93
85) Benzo(a)anthracene	21.431	228	1140522	21.111	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.343	149	623127	25.725	ng/ul	98
87) Chrysene	21.496	228	1083265	21.038	ng/ul	99
89) Di-n-octyl phthalate	22.477	149	1029542	26.706	ng/ul	100
90) Benzo(b)fluoranthene	23.517	252	1062541	20.931	ng/ul	97
91) Benzo(k)fluoranthene	23.576	252	1112762	21.975	ng/ul	99
93) Benzo(a)pyrene	24.328	252	1018868	21.383	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.882	276	1272278	21.864	ng/ul	100
95) Dibenzo(a,h)anthracene	27.923	278	1025458	22.024	ng/ul#	93
96) Benzo(g,h,i)perylene	28.940	276	989369m	21.427	ng/ul	

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

