

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011425\
 Data File : BM049349.D
 Acq On : 14 Jan 2025 15:07
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTD020066

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/14/2025

Supervised By :mohammad ahmed 01/16/2025

Quant Time: Jan 14 16:18:25 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jan 13 16:56:06 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.522	152	245945	20.000	ng/u1	0.00
20) Naphthalene-d8	10.287	136	951344	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.163	164	620570	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.915	188	1160719	20.000	ng/u1	0.00
79) Chrysene-d12	21.151	240	985800	20.000	ng/u1	0.00
88) Perylene-d12	23.933	264	899731	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	53603	9.018	ng/uL	0.00
4) Pyridine-d5	3.510	84	414334	21.895	ng/u1	0.00
7) Phenol-d5	6.716	99	438261	21.227	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	311346	22.648	ng/u1	0.00
11) 2-Chlorophenol-d4	7.063	132	346954	21.968	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	332739	20.783	ng/u1	0.00
21) Nitrobenzene-d5	8.669	128	161010	22.194	ng/u1	0.00
24) 2-Nitrophenol-d4	9.381	143	174540	21.521	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	368457	22.265	ng/u1	0.00
31) 4-Chloroaniline-d4	10.428	131	452193	20.766	ng/u1	0.00
46) Dimethylphthalate-d6	13.586	166	1005697	21.774	ng/u1	0.00
49) Acenaphthylene-d8	13.851	160	1188057	22.532	ng/u1	0.00
54) 4-Nitrophenol-d4	14.386	143	136987	17.910	ng/u1	0.00
60) Fluorene-d10	15.163	176	883304	22.137	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.292	200	137450	18.581	ng/u1	0.00
73) Anthracene-d10	17.015	188	1285491	22.404	ng/u1	0.00
81) Pyrene-d10	19.321	212	1351508	22.527	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.744	264	1080667	22.375	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.152	88	57195	8.783	ng/uL	98
5) Pyridine	3.528	79	419433	21.926	ng/u1	99
6) Benzaldehyde	6.675	77	299889	26.943	ng/u1	99
8) Phenol	6.740	94	455097	21.201	ng/u1	97
10) Bis(2-Chloroethyl)ether	6.963	93	384226	21.981	ng/u1	100
12) 2-Chlorophenol	7.093	128	358314	21.826	ng/u1	99
13) 2-Methylphenol	7.969	108	326601	20.825	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.045	45	602233	22.988	ng/u1	99
16) Acetophenone	8.340	105	574616	21.976	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.328	70	311881	22.083	ng/u1	96
18) 4-Methylphenol	8.298	108	360280	20.968	ng/u1	97
19) Hexachloroethane	8.581	117	156489	22.185	ng/u1	98
22) Nitrobenzene	8.710	77	430535	22.908	ng/u1	99
23) Isophorone	9.234	82	789947	21.631	ng/u1	99
25) 2-Nitrophenol	9.410	139	194408	21.811	ng/u1	98
26) 2,4-Dimethylphenol	9.487	107	370735	22.224	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.716	93	493764	21.999	ng/u1	98
29) 2,4-Dichlorophenol	9.945	162	365268	22.154	ng/u1	99
30) Naphthalene	10.334	128	1132937	22.440	ng/u1	100
32) 4-Chloroaniline	10.451	127	434531	20.926	ng/u1	99
33) Hexachlorobutadiene	10.628	225	270720	22.996	ng/u1	99
34) Caprolactam	11.222	113	91265m	18.594	ng/u1	
35) 4-Chloro-3-methylphenol	11.592	107	323701	20.997	ng/u1	97
36) 2-Methylnaphthalene	11.957	142	782416	21.656	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.181	142	781108	21.729	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.333	216	500338	23.293	ng/ul	99
40) Hexachlorocyclopentadiene	12.316	237	276339	21.442	ng/ul	99
41) 2,4,6-Trichlorophenol	12.580	196	300409	22.734	ng/ul	100
42) 2,4,5-Trichlorophenol	12.657	196	314223	22.187	ng/ul	98
43) 1,1'-Biphenyl	12.992	154	1045261	23.005	ng/ul	100
44) 2-Chloronaphthalene	13.028	162	837511	23.049	ng/ul	98
45) 2-Nitroaniline	13.239	65	210378	21.942	ng/ul	95
47) Dimethylphthalate	13.633	163	1001312	21.915	ng/ul	100
48) 2,6-Dinitrotoluene	13.751	165	182726	21.436	ng/ul	94
50) Acenaphthylene	13.880	152	1207449	22.337	ng/ul	100
51) 3-Nitroaniline	14.080	138	166690	19.931	ng/ul	94
52) Acenaphthene	14.227	153	869141	22.504	ng/ul	99
53) 2,4-Dinitrophenol	14.286	184	78214	14.651	ng/ul	99
55) 4-Nitrophenol	14.404	109	105841	18.765	ng/ul	97
56) Dibenzofuran	14.569	168	1231402	22.452	ng/ul	99
57) 2,4-Dinitrotoluene	14.539	165	266178	21.043	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	14.798	232	249408	20.847	ng/ul	99
59) Diethylphthalate	15.016	149	942479	21.166	ng/ul	100
61) Fluorene	15.221	166	1012312	22.591	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.221	204	540409	22.128	ng/ul	99
63) 4-Nitroaniline	15.251	138	160618	21.345	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.310	198	154624	19.170	ng/ul	98
67) N-Nitrosodiphenylamine	15.439	169	799066	23.202	ng/ul	100
68) 4-Bromophenyl-phenylether	16.116	248	299886	22.722	ng/ul	98
69) Hexachlorobenzene	16.227	284	341346	22.237	ng/ul	99
70) Atrazine	16.404	200	296207	21.037	ng/ul	98
71) Pentachlorophenol	16.574	266	192288	18.909	ng/ul	95
72) Phenanthrene	16.957	178	1455400	22.554	ng/ul	99
74) Anthracene	17.051	178	1461612	22.566	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.951	216	481292	24.811	ng/ul	99
76) Pentachlorobenzene	14.486	250	458167	23.662	ng/ul	99
77) Carbazole	17.327	167	1225550	21.326	ng/ul	99
78) Di-n-butylphthalate	17.910	149	1460136	20.737	ng/ul	99
80) Fluoranthene	18.986	202	1567360	22.736	ng/ul	99
82) Pyrene	19.351	202	1665182	22.692	ng/ul	99
83) Butylbenzylphthalate	20.280	149	542957	20.899	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.068	252	370005	20.044	ng/ul	99
85) Benzo(a)anthracene	21.133	228	1527525	22.235	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.086	149	810435	20.974	ng/ul	99
87) Chrysene	21.192	228	1421056	22.658	ng/ul	99
89) Di-n-octyl phthalate	22.150	149	1202806	18.351	ng/ul	100
90) Benzo(b)fluoranthene	23.062	252	1341059	22.269	ng/ul	99
91) Benzo(k)fluoranthene	23.121	252	1335198	22.237	ng/ul	99
93) Benzo(a)pyrene	23.803	252	1209921	22.243	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.027	276	1480902	23.733	ng/ul	99
95) Dibenzo(a,h)anthracene	27.074	278	1199693	23.606	ng/ul	99
96) Benzo(g,h,i)perylene	27.985	276	1134661	24.359	ng/ul	99

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

