

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042575.D
 Acq On : 03 Nov 2023 17:59
 Operator : MA/JU
 Sample : 05220-06MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

Z-7(0-5)MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023

Quant Time: Nov 03 22:39:53 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Nov 03 15:52:20 2023

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	49979	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	182795	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	112829	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	256498	20.000	ng	# 0.00
76) Chrysene-d12	21.509	240	269024	20.000	ng	0.00
86) Perylene-d12	23.933	264	284450	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	269330	86.970	ng	0.01
7) Phenol-d6	7.087	99	348549	82.066	ng	0.01
23) Nitrobenzene-d5	9.116	82	247459	63.107	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	157309	106.789	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	491664	58.636	ng	0.00
79) Terphenyl-d14	19.933	244	885519	55.813	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.305	88	55205	37.405	ng	96
3) Pyridine	3.728	79	145873m	34.455	ng	
4) n-Nitrosodimethylamine	3.657	42	110616	54.292	ng	# 79
6) Aniline	7.263	93	188610	34.936	ng	98
8) 2-Chlorophenol	7.475	128	159854	47.871	ng	98
9) Benzaldehyde	7.075	77	42278	17.272	ng	95
10) Phenol	7.110	94	204902	47.503	ng	90
11) bis(2-Chloroethyl)ether	7.357	93	163266	44.741	ng	99
12) 1,3-Dichlorobenzene	7.792	146	179370	49.702	ng	97
13) 1,4-Dichlorobenzene	7.957	146	793983	217.386	ng	97
14) 1,2-Dichlorobenzene	8.263	146	174146	49.385	ng	99
15) Benzyl Alcohol	8.181	79	152554m	50.736	ng	
16) 2,2'-oxybis(1-Chloropr...	8.445	45	254805m	43.878	ng	
17) 2-Methylphenol	8.369	107	132875	43.505	ng	96
18) Hexachloroethane	8.975	117	66944	46.843	ng	92
19) n-Nitroso-di-n-propyla...	8.734	70	136834	45.543	ng	92
20) 3+4-Methylphenols	8.704	107	181022	44.331	ng	94
22) Acetophenone	8.769	105	245617	53.277	ng	# 96
24) Nitrobenzene	9.163	77	204106	52.847	ng	99
25) Isophorone	9.669	82	363521	52.376	ng	98
26) 2-Nitrophenol	9.863	139	85369	51.687	ng	# 94
27) 2,4-Dimethylphenol	9.904	122	124087	46.734	ng	92
28) bis(2-Chloroethoxy)met...	10.157	93	207354	49.590	ng	100
29) 2,4-Dichlorophenol	10.386	162	152844	58.178	ng	99
30) 1,2,4-Trichlorobenzene	10.586	180	170939	59.371	ng	99
31) Naphthalene	10.786	128	540788	57.262	ng	100
32) Benzoic acid	10.069	122	110367	50.841	ng	94
33) 4-Chloroaniline	10.933	127	136188	36.983	ng	98
34) Hexachlorobutadiene	11.010	225	115519	66.084	ng	99
35) Caprolactam	11.769	113	45825m	49.645	ng	
36) 4-Chloro-3-methylphenol	12.039	107	157728	52.754	ng	99
37) 2-Methylnaphthalene	12.392	142	348029	52.326	ng	98
38) 1-Methylnaphthalene	12.616	142	337143	53.852	ng	100
40) 1,2,4,5-Tetrachloroben...	12.745	216	198050	58.756	ng	99
41) Hexachlorocyclopentadiene	12.686	237	34685	21.954	ng	99
43) 2,4,6-Trichlorophenol	13.004	196	127929	59.255	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.080	196	139126	54.153	ng	96
46) 1,1'-Biphenyl	13.404	154	455544	52.818	ng	98
47) 2-Chloronaphthalene	13.451	162	340193	53.766	ng	100
48) 2-Nitroaniline	13.692	65	124707	48.787	ng	99
49) Acenaphthylene	14.298	152	879777	83.957	ng	99
50) Dimethylphthalate	14.033	163	425505	50.458	ng	99
51) 2,6-Dinitrotoluene	14.186	165	90801	52.245	ng	99
52) Acenaphthene	14.633	154	376238	59.160	ng	98
53) 3-Nitroaniline	14.521	138	75311	39.489	ng	97
54) 2,4-Dinitrophenol	14.733	184	47896	42.823	ng	96
55) Dibenzofuran	14.968	168	620427	60.002	ng	99
56) 4-Nitrophenol	14.827	139	152439	95.087	ng	92
57) 2,4-Dinitrotoluene	14.968	165	127656	48.431	ng	95
58) Fluorene	15.615	166	539942	64.539	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.192	232	126145	58.295	ng	# 96
60) Diethylphthalate	15.380	149	446657	52.281	ng	99
61) 4-Chlorophenyl-phenyle...	15.604	204	232667	55.048	ng	99
62) 4-Nitroaniline	15.686	138	80161	46.281	ng	# 86
63) Azobenzene	15.904	77	484866	51.502	ng	90
65) 4,6-Dinitro-2-methylph...	15.721	198	34472	24.199	ng	94
66) n-Nitrosodiphenylamine	15.833	169	367241	50.778	ng	99
67) 4-Bromophenyl-phenylether	16.504	248	142386	55.515	ng	99
68) Hexachlorobenzene	16.592	284	168450	59.367	ng	96
69) Atrazine	16.786	200	139512	66.759	ng	98
70) Pentachlorophenol	16.957	266	231542	110.997	ng	99
71) Phenanthrene	17.368	178	1686360	125.807	ng	100
72) Anthracene	17.457	178	1313573	98.937	ng	100
73) Carbazole	17.745	167	686640	63.572	ng	99
74) Di-n-butylphthalate	18.262	149	863549	56.933	ng	98
75) Fluoranthene	19.386	202	3703404	235.201	ng	97
77) Benzidine	19.592	184	524766	203.354	ng	100
78) Pyrene	19.756	202	3680544	199.240	ng	99
80) Butylbenzylphthalate	20.621	149	411218	52.120	ng	98
81) Benzo(a)anthracene	21.497	228	2454597	143.404	ng	97
82) 3,3'-Dichlorobenzidine	21.433	252	306124	56.273	ng	100
83) Chrysene	21.550	228	2055251	118.206	ng	98
84) Bis(2-ethylhexyl)phtha...	21.368	149	667167	55.951	ng	99
85) Di-n-octyl phthalate	22.297	149	1051805	51.247	ng	99
87) Indeno(1,2,3-cd)pyrene	26.485	276	1707691	100.869	ng	# 91
88) Benzo(b)fluoranthene	23.191	252	2223207m	140.289	ng	
89) Benzo(k)fluoranthene	23.238	252	1472800m	83.403	ng	
90) Benzo(a)pyrene	23.833	252	1987303m	127.375	ng	
91) Dibenzo(a,h)anthracene	26.497	278	1033487	64.563	ng	# 95
92) Benzo(g,h,i)perylene	27.285	276	1456481	97.612	ng	# 94

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

