

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141678.D
 Acq On : 19 Feb 2025 16:44
 Operator : RC/JU
 Sample : Q1382-05MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-03-021725MSD

Quant Time: Feb 19 17:19:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	91730	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	359905	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	194577	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	322542	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	188657	20.000	ng	-0.02
86) Perylene-d12	15.380	264	174682	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	528186	90.271	ng	0.00
7) Phenol-d6	6.428	99	652016	88.166	ng	-0.01
23) Nitrobenzene-d5	7.345	82	419544	60.801	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	182588	93.414	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	806036	63.821	ng	-0.01
79) Terphenyl-d14	12.880	244	837895	74.978	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.563	88	97387	41.355	ng	96
3) Pyridine	3.287	79	222375	39.683	ng	95
4) n-Nitrosodimethylamine	3.240	42	136849	36.881	ng	91
6) Aniline	6.445	93	218330	31.473	ng	# 85
8) 2-Chlorophenol	6.569	128	258417	40.874	ng	100
9) Benzaldehyde	6.334	77	113370	28.848	ng	99
10) Phenol	6.440	94	317944	41.307	ng	93
11) bis(2-Chloroethyl)ether	6.516	93	241730	41.812	ng	100
12) 1,3-Dichlorobenzene	6.722	146	278223	41.684	ng	98
13) 1,4-Dichlorobenzene	6.798	146	280569	41.142	ng	99
14) 1,2-Dichlorobenzene	6.951	146	266225	42.062	ng	100
15) Benzyl Alcohol	6.928	79	215593	38.016	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.057	45	383863	38.788	ng	79
17) 2-Methylphenol	7.045	107	199283	40.279	ng	97
18) Hexachloroethane	7.292	117	105722	41.890	ng	97
19) n-Nitroso-di-n-propyla...	7.198	70	176853	39.980	ng	95
20) 3+4-Methylphenols	7.198	107	259519	41.274	ng	97
22) Acetophenone	7.192	105	393849	43.992	ng	94
24) Nitrobenzene	7.363	77	267486	39.754	ng	100
25) Isophorone	7.604	82	469318	42.657	ng	98
26) 2-Nitrophenol	7.681	139	138539	41.385	ng	94
27) 2,4-Dimethylphenol	7.722	122	202739	51.842	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	288044	40.857	ng	99
29) 2,4-Dichlorophenol	7.928	162	215210	40.729	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	235047	40.849	ng	99
31) Naphthalene	8.087	128	749203	39.991	ng	100
32) Benzoic acid	7.863	122	139850	34.428	ng	98
33) 4-Chloroaniline	8.145	127	67419	10.307	ng	98
34) Hexachlorobutadiene	8.198	225	145704	42.180	ng	100
35) Caprolactam	8.510	113	73748m	45.840	ng	
36) 4-Chloro-3-methylphenol	8.634	107	231318	39.521	ng	99
37) 2-Methylnaphthalene	8.775	142	470883	38.625	ng	100
38) 1-Methylnaphthalene	8.875	142	459880	38.948	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	258057	45.841	ng	98
41) Hexachlorocyclopentadiene	8.928	237	229306	122.468	ng	98
43) 2,4,6-Trichlorophenol	9.057	196	145125	39.888	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141678.D
 Acq On : 19 Feb 2025 16:44
 Operator : RC/JU
 Sample : Q1382-05MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-03-021725MSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025

Quant Time: Feb 19 17:19:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	159229	40.382	ng	97
46) 1,1'-Biphenyl	9.239	154	681906	45.204	ng	100
47) 2-Chloronaphthalene	9.263	162	465491	41.729	ng	99
48) 2-Nitroaniline	9.363	65	148411	39.643	ng	98
49) Acenaphthylene	9.681	152	704986	42.490	ng	99
50) Dimethylphthalate	9.539	163	549570	41.605	ng	100
51) 2,6-Dinitrotoluene	9.604	165	121517	42.082	ng	98
52) Acenaphthene	9.851	154	442973	39.712	ng	99
53) 3-Nitroaniline	9.775	138	70125	22.563	ng	98
54) 2,4-Dinitrophenol	9.892	184	123741	72.101	ng	92
55) Dibenzofuran	10.022	168	634986	38.783	ng	100
56) 4-Nitrophenol	9.957	139	170313	73.819	ng	93
57) 2,4-Dinitrotoluene	10.010	165	159180	41.408	ng	99
58) Fluorene	10.363	166	512625	40.493	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	133375	39.288	ng	96
60) Diethylphthalate	10.239	149	524930	40.390	ng	100
61) 4-Chlorophenyl-phenyle...	10.357	204	249331	40.939	ng	98
62) 4-Nitroaniline	10.392	138	118442	37.531	ng	97
63) Azobenzene	10.516	77	553922	42.873	ng	95
65) 4,6-Dinitro-2-methylph...	10.422	198	84746	37.824	ng	95
66) n-Nitrosodiphenylamine	10.475	169	445546	43.153	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	154830	42.951	ng	99
68) Hexachlorobenzene	10.910	284	164582	44.338	ng	99
69) Atrazine	11.004	200	165586	53.458	ng	99
70) Pentachlorophenol	11.116	266	160190	67.490	ng	98
71) Phenanthrene	11.328	178	747418	42.097	ng	100
72) Anthracene	11.380	178	775512	43.452	ng	100
73) Carbazole	11.533	167	656054	40.853	ng	100
74) Di-n-butylphthalate	11.863	149	791583	42.689	ng	100
75) Fluoranthene	12.516	202	732913	38.937	ng	99
77) Benzidine	12.639	184	241899	58.139	ng	99
78) Pyrene	12.739	202	733128	45.650	ng	100
80) Butylbenzylphthalate	13.357	149	274032	49.263	ng	99
81) Benzo(a)anthracene	13.927	228	512669	40.880	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	104317	29.039	ng	99
83) Chrysene	13.963	228	481550	41.587	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	345406	55.055	ng	99
85) Di-n-octyl phthalate	14.527	149	480614	53.699	ng	98
87) Indeno(1,2,3-cd)pyrene	16.815	276	545079	50.501	ng	99
88) Benzo(b)fluoranthene	14.963	252	409636	34.925	ng	99
89) Benzo(k)fluoranthene	14.992	252	428348	42.768	ng	98
90) Benzo(a)pyrene	15.321	252	410838	43.288	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	441082	50.434	ng	99
92) Benzo(g,h,i)perylene	17.245	276	431612	47.160	ng	100

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

