Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143200.D
Acq On : 22 Jul 2025 20:49
Operator : RC/JU
Sample : Q2646-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

Quant Time: Jul 23 04:53:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.987	152	103435	20.000	ng		0.02
21) Naphthalene-d8	8.269	136	358963	20.000	ng		0.02
39) Acenaphthene-d10	10.010	164	160601	20.000	ng		0.01
64) Phenanthrene-d10	11.492	188	270710	20.000	ng		0.00
76) Chrysene-d12	14.151	240	252211	20.000	ng		0.03
86) Perylene-d12	15.651	264	152378	20.000	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.787	112	524551	80.252	ng		0.20
7) Phenol-d6	6.675	99	513323	62.394	ng		0.09
23) Nitrobenzene-d5	7.545	82	516027	71.658	ng		0.02
42) 2,4,6-Tribromophenol	10.798	330	183973	110.887	ng		0.01
45) 2-Fluorobiphenyl	9.328	172	888433	75.656	ng		0.00
79) Terphenyl-d14	13.092	244	856096	50.512	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.881	88	115793	37.439	ng	#	44
4) n-Nitrosodimethylamine	3.581	42	165712	39.982	ng	#	54
6) Aniline	6.722	93	164620	14.357	ng	#	55
8) 2-Chlorophenol	6.798	128	153843	22.454	ng		92
9) Benzaldehyde	6.557	77	133576	21.652	ng		98
10) Phenol	6.687	94	228748	25.522	ng		95
11) bis(2-Chloroethyl)ether	6.722	93	164620	23.989	ng		94
12) 1,3-Dichlorobenzene	6.934	146	242524	32.585	ng		99
13) 1,4-Dichlorobenzene	7.004	146	270486	36.087	ng		99
14) 1,2-Dichlorobenzene	7.157	146	202665	28.428	ng		99
15) Benzyl Alcohol	7.251	79	560378	89.206	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.192	45	1590555	124.945	ng		82
17) 2-Methylphenol	7.275	107	439726	76.331	ng	#	81
18) Hexachloroethane	7.498	117	94180	36.296	ng		97
19) n-Nitroso-di-n-propyla...	7.410	70	189587	35.918	ng		94
20) 3+4-Methylphenols	7.504	107	364374m	52.132	ng		
22) Acetophenone	7.404	105	359522	42.304	ng	#	96
24) Nitrobenzene	7.569	77	244395	36.402	ng		99
25) Isophorone	7.881	82	497065	39.100	ng		99
26) 2-Nitrophenol	7.881	139	132838	45.589	ng		95
27) 2,4-Dimethylphenol	7.951	122	213236	35.902	ng		98
28) bis(2-Chloroethoxy)met...	8.022	93	299334	39.272	ng		97
29) 2,4-Dichlorophenol	8.157	162	172713	34.481	ng		97
30) 1,2,4-Trichlorobenzene	8.204	180	201757	37.284	ng		99
31) Naphthalene	8.286	128	700722	39.637	ng		100
32) Benzoic acid	8.175	122	231757	66.975	ng		97
33) 4-Chloroaniline	8.286	127	90646	12.557	ng	#	35
34) Hexachlorobutadiene	8.404	225	128243	38.795	ng		98
35) Caprolactam	8.792	113	70195m	46.376	ng		
36) 4-Chloro-3-methylphenol	8.816	107	193269	35.500	ng		99
37) 2-Methylnaphthalene	8.975	142	413694	38.456	ng		99
38) 1-Methylnaphthalene	9.075	142	407705	36.804	ng		99
40) 1,2,4,5-Tetrachloroben...	9.139	216	196497	42.378	ng		99
41) Hexachlorocyclopentadiene	9.128	237	145110	48.098	ng		100
43) 2,4,6-Trichlorophenol	9.251	196	120729	37.622	ng		99
44) 2,4,5-Trichlorophenol	9.298	196	136183	42.425	ng	#	93

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.433	154	534837	42.684	ng		99
47) 2-Chloronaphthalene	9.457	162	379988	40.985	ng		99
48) 2-Nitroaniline	9.551	65	132243	45.484	ng		98
49) Acenaphthylene	9.869	152	613481	39.484	ng		100
50) Dimethylphthalate	9.728	163	434559	41.511	ng		99
51) 2,6-Dinitrotoluene	9.780	165	95659	44.919	ng		99
52) Acenaphthene	10.045	154	383896	41.804	ng		99
53) 3-Nitroaniline	9.963	138	7585	3.045	ng	#	90
54) 2,4-Dinitrophenol	10.051	184	45245	49.636	ng		93
55) Dibenzofuran	10.216	168	551145	40.423	ng		100
56) 4-Nitrophenol	10.122	139	169940	91.363	ng		95
57) 2,4-Dinitrotoluene	10.186	165	113332	42.418	ng	#	96
58) Fluorene	10.557	166	434047	42.417	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.333	232	113718m	42.767	ng		
60) Diethylphthalate	10.422	149	504664	48.774	ng		100
61) 4-Chlorophenyl-phenyle...	10.545	204	208242	40.869	ng		98
62) 4-Nitroaniline	10.563	138	26507	12.416	ng		92
63) Azobenzene	10.704	77	411429	38.152	ng		98
65) 4,6-Dinitro-2-methylph...	10.592	198	35210	27.426	ng		84
66) n-Nitrosodiphenylamine	10.663	169	342043	35.882	ng		99
67) 4-Bromophenyl-phenylether	11.033	248	123959	38.423	ng		95
68) Hexachlorobenzene	11.104	284	129142	38.298	ng		96
69) Atrazine	11.233	200	90228	34.333	ng		99
70) Pentachlorophenol	11.304	266	189494	95.559	ng		100
71) Phenanthrene	11.516	178	609324	42.391	ng		100
72) Anthracene	11.569	178	607837	41.463	ng		100
73) Carbazole	11.722	167	582966	45.541	ng		99
74) Di-n-butylphthalate	12.051	149	578170	39.918	ng		100
75) Fluoranthene	12.710	202	672099	50.942	ng		100
78) Pyrene	12.945	202	235511	10.941	ng		98
80) Butylbenzylphthalate	13.574	149	314657	47.739	ng		99
81) Benzo(a)anthracene	14.139	228	719284	42.598	ng		100
83) Chrysene	14.180	228	616188	40.588	ng		100
84) Bis(2-ethylhexyl)phtha...	14.127	149	463985	46.508	ng		99
85) Di-n-octyl phthalate	14.733	149	673481	37.243	ng		99
87) Indeno(1,2,3-cd)pyrene	17.186	276	375905	34.985	ng		98
88) Benzo(b)fluoranthene	15.210	252	499143	53.620	ng		99
89) Benzo(k)fluoranthene	15.239	252	388170	46.729	ng		99
90) Benzo(a)pyrene	15.586	252	358088	41.751	ng		99
91) Dibenzo(a,h)anthracene	17.204	278	308156	35.236	ng		99
92) Benzo(g,h,i)perylene	17.651	276	306624	36.245	ng		99

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

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