Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142285.D
Acq On : 02 May 2025 17:18
Operator : RC/JU
Sample : Q1916-04MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-12MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

Quant Time: May 02 17:57:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	214792	20.000	ng		0.00
21) Naphthalene-d8	8.186	136	826459	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	423460	20.000	ng		0.00
64) Phenanthrene-d10	11.427	188	705292	20.000	ng		0.00
76) Chrysene-d12	14.068	240	433924	20.000	ng		0.00
86) Perylene-d12	15.557	264	423312	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.528	112	1480264	110.063	ng		0.01
7) Phenol-d6	6.534	99	1795415	110.549	ng		0.00
23) Nitrobenzene-d5	7.469	82	1121196	89.127	ng		0.00
42) 2,4,6-Tribromophenol	10.733	330	564410	146.204	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	2199782	73.245	ng		0.00
79) Terphenyl-d14	13.016	244	1943531	65.142	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.852	88	200356	33.356	ng	#	83
4) n-Nitrosodimethylamine	3.504	42	320389	39.659	ng		100
8) 2-Chlorophenol	6.692	128	594292	42.763	ng		99
9) Benzaldehyde	6.457	77	202699	17.857	ng		99
10) Phenol	6.545	94	655543	37.493	ng		99
11) bis(2-Chloroethyl)ether	6.640	93	544706	40.203	ng		98
12) 1,3-Dichlorobenzene	6.851	146	599075	38.105	ng		100
13) 1,4-Dichlorobenzene	6.928	146	609944	38.507	ng		99
14) 1,2-Dichlorobenzene	7.075	146	584133	38.629	ng		100
15) Benzyl Alcohol	7.045	79	242814	21.080	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.181	45	973410	39.786	ng		97
17) 2-Methylphenol	7.157	107	492077	43.222	ng		97
18) Hexachloroethane	7.422	117	208011	40.123	ng		98
19) n-Nitroso-di-n-propyla...	7.322	70	400149	39.872	ng		99
20) 3+4-Methylphenols	7.310	107	566468	39.788	ng	#	73
22) Acetophenone	7.316	105	756620	39.573	ng		98
24) Nitrobenzene	7.487	77	581532	47.113	ng		99
25) Isophorone	7.728	82	1077403	40.808	ng		99
26) 2-Nitrophenol	7.804	139	287766	53.784	ng		98
27) 2,4-Dimethylphenol	7.839	122	552696	41.521	ng		100
28) bis(2-Chloroethoxy)met...	7.934	93	685882	41.192	ng		99
29) 2,4-Dichlorophenol	8.045	162	489328	43.969	ng		98
30) 1,2,4-Trichlorobenzene	8.128	180	503606	40.552	ng		100
31) Naphthalene	8.210	128	1643033	39.864	ng		100
32) Benzoic acid	7.939	122	286766	45.888	ng		99
33) 4-Chloroaniline	8.416	127	190968	11.127	ng		99
34) Hexachlorobutadiene	8.328	225	297755	41.095	ng		99
35) Caprolactam	8.628	113	138822m	41.501	ng		
36) 4-Chloro-3-methylphenol	8.733	107	492414	43.090	ng		98
37) 2-Methylnaphthalene	8.898	142	1017321	40.145	ng		98
38) 1-Methylnaphthalene	8.998	142	1070660	40.784	ng		99
40) 1,2,4,5-Tetrachloroben...	9.069	216	499146	41.883	ng		99
41) Hexachlorocyclopentadiene	9.057	237	655323	96.887	ng		100
43) 2,4,6-Trichlorophenol	9.175	196	351600	47.611	ng		98
44) 2,4,5-Trichlorophenol	9.216	196	377182	48.579	ng		100
46) 1,1'-Biphenyl	9.363	154	1391415	42.266	ng		100

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	2-Chloronaphthalene	9.392	162	1029786	42.045	ng		99
48)	2-Nitroaniline	9.480	65	335423	51.541	ng		95
49)	Acenaphthylene	9.804	152	1744556	42.210	ng		100
50)	Dimethylphthalate	9.663	163	1217017	44.924	ng		100
51)	2,6-Dinitrotoluene	9.722	165	257114	49.358	ng		98
52)	Acenaphthene	9.980	154	1152256	47.747	ng		98
53)	3-Nitroaniline	9.910	138	208685	34.010	ng		97
54)	2,4-Dinitrophenol	9.998	184	268773	118.336	ng	#	1
55)	Dibenzofuran	10.151	168	1549472	42.833	ng		100
56)	4-Nitrophenol	10.045	139	423607	99.480	ng		99
57)	2,4-Dinitrotoluene	10.128	165	352124	55.145	ng		95
58)	Fluorene	10.492	166	1181775	42.964	ng		100
59)	2,3,4,6-Tetrachlorophenol	10.263	232	303523	47.193	ng		100
60)	Diethylphthalate	10.369	149	1205092	45.047	ng		100
61)	4-Chlorophenyl-phenyle...	10.486	204	561721	43.002	ng		96
62)	4-Nitroaniline	10.510	138	208504	36.961	ng		97
63)	Azobenzene	10.645	77	1121903	42.469	ng		100
65)	4,6-Dinitro-2-methylph...	10.533	198	160335	64.367	ng		92
66)	n-Nitrosodiphenylamine	10.604	169	1028062	42.661	ng		100
67)	4-Bromophenyl-phenylether	10.975	248	351935	44.806	ng		99
68)	Hexachlorobenzene	11.039	284	397147	45.145	ng		99
69)	Atrazine	11.133	200	222533	35.033	ng		99
70)	Pentachlorophenol	11.233	266	468886	100.893	ng		98
71)	Phenanthrene	11.457	178	1649682	43.302	ng		100
72)	Anthracene	11.510	178	1690918	43.411	ng		100
73)	Carbazole	11.657	167	1520445	42.791	ng		99
74)	Di-n-butylphthalate	11.992	149	1764131	49.366	ng		100
75)	Fluoranthene	12.645	202	1648130	43.764	ng		98
78)	Pyrene	12.874	202	1639461	40.958	ng		100
80)	Butylbenzylphthalate	13.492	149	582060	52.782	ng		99
81)	Benzo(a)anthracene	14.057	228	1315993	45.176	ng		99
82)	3,3'-Dichlorobenzidine	14.021	252	145951	17.058	ng		100
83)	Chrysene	14.098	228	1153398	43.498	ng		100
84)	Bis(2-ethylhexyl)phtha...	14.051	149	739282	48.712	ng		99
85)	Di-n-octyl phthalate	14.668	149	1182262	43.234	ng		99
87)	Indeno(1,2,3-cd)pyrene	17.062	276	1178639	38.013	ng		99
88)	Benzo(b)fluoranthene	15.121	252	1176599	44.747	ng		99
89)	Benzo(k)fluoranthene	15.151	252	1170313	48.660	ng		99
90)	Benzo(a)pyrene	15.498	252	1113226	46.243	ng		99
91)	Dibenzo(a,h)anthracene	17.086	278	964139	38.313	ng		99
92)	Benzo(g,h,i)perylene	17.521	276	920166	36.373	ng		99

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

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