Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012725\
Data File : BF141272.D
Acq On : 27 Jan 2025 15:05
Operator : RC/JU
Sample : Q1187-01MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-COMPMSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025

Quant Time: Jan 27 15:24:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.804	152	151106	20.000	ng		-0.02
21) Naphthalene-d8	8.087	136	589538	20.000	ng		-0.02
39) Acenaphthene-d10	9.845	164	300435	20.000	ng		-0.02
64) Phenanthrene-d10	11.333	188	471075	20.000	ng		-0.01
76) Chrysene-d12	13.974	240	327460	20.000	ng		-0.01
86) Perylene-d12	15.445	264	392260	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	1027834	105.079	ng		0.00
7) Phenol-d6	6.440	99	1291816	104.259	ng		0.00
23) Nitrobenzene-d5	7.369	82	830744	74.697	ng		-0.02
42) 2,4,6-Tribromophenol	10.633	330	397143	116.013	ng		-0.02
45) 2-Fluorobiphenyl	9.163	172	1546540	78.607	ng		-0.02
79) Terphenyl-d14	12.922	244	1469644	66.706	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.593	88	188106	43.184	ng		96
3) Pyridine	3.328	79	472455	44.230	ng		95
4) n-Nitrosodimethylamine	3.275	42	239913	45.935	ng		95
6) Aniline	6.469	93	396432	36.037	ng		93
8) 2-Chlorophenol	6.593	128	525629	50.086	ng		95
9) Benzaldehyde	6.351	77	52880	7.246	ng		97
10) Phenol	6.451	94	637738	48.082	ng		94
11) bis(2-Chloroethyl)ether	6.540	93	488439	49.414	ng		97
12) 1,3-Dichlorobenzene	6.745	146	557963	47.671	ng		99
13) 1,4-Dichlorobenzene	6.822	146	565416	47.938	ng		100
14) 1,2-Dichlorobenzene	6.975	146	539463	49.033	ng		97
15) Benzyl Alcohol	6.946	79	446873	49.941	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	658133	47.714	ng		95
17) 2-Methylphenol	7.057	107	411790	48.603	ng		99
18) Hexachloroethane	7.316	117	209442	49.103	ng		97
19) n-Nitroso-di-n-propyla...	7.222	70	346665	47.496	ng		95
20) 3+4-Methylphenols	7.210	107	495003	46.309	ng	#	84
22) Acetophenone	7.216	105	674120	48.101	ng		97
24) Nitrobenzene	7.387	77	535529	46.202	ng		98
25) Isophorone	7.628	82	949508	49.958	ng		98
26) 2-Nitrophenol	7.704	139	279908	53.087	ng		99
27) 2,4-Dimethylphenol	7.740	122	412125	57.948	ng		99
28) bis(2-Chloroethoxy)met...	7.840	93	588119	49.306	ng		100
29) 2,4-Dichlorophenol	7.945	162	419154	49.624	ng		99
30) 1,2,4-Trichlorobenzene	8.028	180	461340	47.783	ng		99
31) Naphthalene	8.110	128	1497082	48.153	ng		100
32) Benzoic acid	7.845	122	210656	30.877	ng		98
33) 4-Chloroaniline	8.157	127	221356	20.587	ng		97
34) Hexachlorobutadiene	8.228	225	287795	49.470	ng		99
35) Caprolactam	8.522	113	122514m	44.303	ng		
36) 4-Chloro-3-methylphenol	8.640	107	441872	47.834	ng		100
37) 2-Methylnaphthalene	8.798	142	972870	49.106	ng		100
38) 1-Methylnaphthalene	8.898	142	899730	46.081	ng		99
40) 1,2,4,5-Tetrachloroben...	8.969	216	451504	52.360	ng		99
41) Hexachlorocyclopentadiene	8.951	237	539769	191.328	ng		100
43) 2,4,6-Trichlorophenol	9.081	196	299906	51.568	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	307543	50.071	ng	98
46) 1,1'-Biphenyl	9.269	154	1183109	50.708	ng	99
47) 2-Chloronaphthalene	9.292	162	886657	48.791	ng	99
48) 2-Nitroaniline	9.387	65	262507	48.730	ng	97
49) Acenaphthylene	9.704	152	1357685	52.293	ng	99
50) Dimethylphthalate	9.569	163	1024820	50.811	ng	100
51) 2,6-Dinitrotoluene	9.628	165	229976	49.032	ng	98
52) Acenaphthene	9.881	154	959531	52.898	ng	100
53) 3-Nitroaniline	9.798	138	136752	28.691	ng	97
54) 2,4-Dinitrophenol	9.904	184	185685	83.289	ng	96
55) Dibenzofuran	10.051	168	1236975	50.135	ng	99
56) 4-Nitrophenol	9.963	139	366738	98.246	ng	98
57) 2,4-Dinitrotoluene	10.034	165	306430	50.695	ng	99
58) Fluorene	10.392	166	923430	48.175	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	255362	50.018	ng	98
60) Diethylphthalate	10.269	149	980316	49.786	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	459380	49.172	ng	99
62) 4-Nitroaniline	10.410	138	222741	47.747	ng	100
63) Azobenzene	10.545	77	1025423	52.778	ng	98
65) 4,6-Dinitro-2-methylph...	10.439	198	143551	52.588	ng	98
66) n-Nitrosodiphenylamine	10.504	169	825544	54.333	ng	99
67) 4-Bromophenyl-phenylether	10.875	248	301584	55.607	ng	99
68) Hexachlorobenzene	10.939	284	333906	55.307	ng	99
69) Atrazine	11.033	200	273591	66.873	ng	99
70) Pentachlorophenol	11.139	266	347557	89.893	ng	98
71) Phenanthrene	11.357	178	1335240	52.796	ng	100
72) Anthracene	11.410	178	1358568	55.246	ng	100
73) Carbazole	11.563	167	1150316	51.015	ng	100
74) Di-n-butylphthalate	11.898	149	1397201	54.145	ng	100
75) Fluoranthene	12.545	202	1303827	51.662	ng	99
77) Benzidine	12.669	184	387453	63.804	ng	99
78) Pyrene	12.775	202	1305580	41.743	ng	100
80) Butylbenzylphthalate	13.398	149	502430	48.182	ng	97
81) Benzo(a)anthracene	13.969	228	1126393	50.544	ng	100
82) 3,3'-Dichlorobenzidine	13.927	252	266974	37.622	ng	99
83) Chrysene	14.004	228	1015819	48.715	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	658218	52.607	ng	100
85) Di-n-octyl phthalate	14.586	149	1185998	62.771	ng	97
87) Indeno(1,2,3-cd)pyrene	16.910	276	1532076	53.312	ng	98
88) Benzo(b)fluoranthene	15.021	252	1194346	47.218	ng	100
89) Benzo(k)fluoranthene	15.051	252	1181356	55.266	ng	99
90) Benzo(a)pyrene	15.386	252	1164583	55.804	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	1218410	52.419	ng	99
92) Benzo(g,h,i)perylene	17.345	276	1177759	48.715	ng	99

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

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