Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141207.D
Acq On : 17 Jan 2025 21:37
Operator : RC/JU
Sample : Q1115-04MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-214MS

Quant Time: Jan 17 23:12:48 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	6.810	152	208256	20.000	ng		-0.01
21) Naphthalene-d8	8.092	136	803714	20.000	ng		-0.01
39) Acenaphthene-d10	9.845	164	400010	20.000	ng		-0.02
64) Phenanthrene-d10	11.333	188	547983	20.000	ng		-0.01
76) Chrysene-d12	13.974	240	397683	20.000	ng		-0.01
86) Perylene-d12	15.421	264	344513	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	1257705	93.294	ng		0.00
7) Phenol-d6	6.445	99	1591609	93.204	ng		0.00
23) Nitrobenzene-d5	7.375	82	1021691	67.385	ng		-0.01
42) 2,4,6-Tribromophenol	10.639	330	429902	94.321	ng		-0.01
45) 2-Fluorobiphenyl	9.169	172	1743539	66.560	ng		-0.01
79) Terphenyl-d14	12.916	244	1323089	49.449	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.616	88	211392	35.212	ng		99
3) Pyridine	3.352	79	428472	29.105	ng		97
4) n-Nitrosodimethylamine	3.305	42	286131	39.750	ng		100
6) Aniline	6.475	93	206292	13.607	ng	#	53
8) 2-Chlorophenol	6.598	128	609104	42.113	ng		97
9) Benzaldehyde	6.357	77	73110	7.269	ng		97
10) Phenol	6.463	94	721863	39.489	ng		96
11) bis(2-Chloroethyl)ether	6.551	93	553914	40.660	ng		97
12) 1,3-Dichlorobenzene	6.751	146	626082	38.812	ng		99
13) 1,4-Dichlorobenzene	6.828	146	631203	38.830	ng		99
14) 1,2-Dichlorobenzene	6.981	146	610531	40.264	ng		98
15) Benzyl Alcohol	6.957	79	525079	42.578	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.087	45	749030	39.401	ng		91
17) 2-Methylphenol	7.069	107	474714	40.654	ng		98
18) Hexachloroethane	7.322	117	230813	39.264	ng		98
19) n-Nitroso-di-n-propyla...	7.228	70	408612	40.621	ng		98
20) 3+4-Methylphenols	7.222	107	589068	39.986	ng	#	80
22) Acetophenone	7.222	105	777775	40.708	ng	#	95
24) Nitrobenzene	7.398	77	617440	39.074	ng		97
25) Isophorone	7.634	82	1099330	42.427	ng		98
26) 2-Nitrophenol	7.710	139	318936	44.370	ng		98
27) 2,4-Dimethylphenol	7.751	122	484591	49.980	ng		99
28) bis(2-Chloroethoxy)met...	7.845	93	677960	41.691	ng		100
29) 2,4-Dichlorophenol	7.951	162	484232	42.051	ng		99
30) 1,2,4-Trichlorobenzene	8.034	180	523741	39.791	ng		100
31) Naphthalene	8.116	128	1712669	40.408	ng		100
32) Benzoic acid	7.875	122	374574	40.273	ng		98
33) 4-Chloroaniline	8.163	127	70076	4.781	ng		99
34) Hexachlorobutadiene	8.234	225	324020	40.854	ng		99
35) Caprolactam	8.534	113	153011m	40.586	ng		
36) 4-Chloro-3-methylphenol	8.651	107	518748	41.191	ng		100
37) 2-Methylnaphthalene	8.804	142	1123151	41.584	ng		99
38) 1-Methylnaphthalene	8.904	142	1023760	38.461	ng		99
40) 1,2,4,5-Tetrachloroben...	8.969	216	506644	44.129	ng		99
41) Hexachlorocyclopentadiene	8.957	237	378666	100.811	ng		99
43) 2,4,6-Trichlorophenol	9.081	196	346254	44.717	ng		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	342922	41.933	ng	99
46) 1,1'-Biphenyl	9.269	154	1333280	42.919	ng	99
47) 2-Chloronaphthalene	9.292	162	999822	41.323	ng	100
48) 2-Nitroaniline	9.392	65	296248	41.304	ng	98
49) Acenaphthylene	9.710	152	1510444	43.694	ng	100
50) Dimethylphthalate	9.575	163	1202551	44.781	ng	100
51) 2,6-Dinitrotoluene	9.634	165	260127	41.655	ng	99
52) Acenaphthene	9.881	154	1071904	44.383	ng	99
53) 3-Nitroaniline	9.798	138	146171	23.033	ng	100
54) 2,4-Dinitrophenol	9.904	184	206896	69.702	ng	96
55) Dibenzofuran	10.057	168	1354757	41.240	ng	100
56) 4-Nitrophenol	9.963	139	361254	72.686	ng	98
57) 2,4-Dinitrotoluene	10.033	165	333440	41.432	ng	98
58) Fluorene	10.398	166	1014320	39.744	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	272920	40.150	ng	99
60) Diethylphthalate	10.275	149	1124583	42.896	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	511022	41.083	ng	97
62) 4-Nitroaniline	10.416	138	206811	33.296	ng	98
63) Azobenzene	10.551	77	1088681	42.085	ng	95
65) 4,6-Dinitro-2-methylph...	10.439	198	144495	45.504	ng	98
66) n-Nitrosodiphenylamine	10.510	169	891932	50.463	ng	100
67) 4-Bromophenyl-phenylether	10.880	248	312086	49.467	ng	97
68) Hexachlorobenzene	10.939	284	323827	46.109	ng	99
69) Atrazine	11.033	200	283488	59.567	ng	99
70) Pentachlorophenol	11.139	266	368876	82.017	ng	99
71) Phenanthrene	11.357	178	1473983	50.102	ng	100
72) Anthracene	11.410	178	1343768	46.975	ng	100
73) Carbazole	11.563	167	1102042	42.015	ng	100
74) Di-n-butylphthalate	11.898	149	1424497	47.455	ng	100
75) Fluoranthene	12.545	202	1397047	47.587	ng	99
77) Benzidine	12.669	184	247682	33.585	ng	100
78) Pyrene	12.774	202	1381400	36.368	ng	100
80) Butylbenzylphthalate	13.398	149	500717	39.538	ng	97
81) Benzo(a)anthracene	13.963	228	1195619	44.176	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	194302	22.546	ng	99
83) Chrysene	13.998	228	1127623	44.528	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	655035	43.108	ng	99
85) Di-n-octyl phthalate	14.574	149	1182749	51.546	ng	98
87) Indeno(1,2,3-cd)pyrene	16.868	276	806827	31.966	ng	98
88) Benzo(b)fluoranthene	15.004	252	1152204	51.865	ng	99
89) Benzo(k)fluoranthene	15.033	252	883151	47.041	ng	100
90) Benzo(a)pyrene	15.363	252	903877	49.314	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	660968	32.378	ng	98
92) Benzo(g,h,i)perylene	17.304	276	587400	27.663	ng	98

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

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