Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012725\
Data File : BF141275.D
Acq On : 27 Jan 2025 16:24
Operator : RC/JU
Sample : Q1169-02MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ARS20-0006MSD

Quant Time: Jan 27 16:50:24 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	136628	20.000	ng		-0.02
21) Naphthalene-d8	8.087	136	532274	20.000	ng		-0.02
39) Acenaphthene-d10	9.845	164	274859	20.000	ng		-0.02
64) Phenanthrene-d10	11.333	188	431743	20.000	ng		-0.01
76) Chrysene-d12	13.980	240	318797	20.000	ng		0.00
86) Perylene-d12	15.445	264	371438	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	1115838	126.164	ng		0.00
7) Phenol-d6	6.446	99	1357437	121.165	ng		0.00
23) Nitrobenzene-d5	7.369	82	923172	91.937	ng		-0.02
42) 2,4,6-Tribromophenol	10.633	330	474669	151.562	ng		-0.02
45) 2-Fluorobiphenyl	9.163	172	1778313	98.798	ng		-0.02
79) Terphenyl-d14	12.922	244	1797515	83.804	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.428	88	21542	5.470	ng	#	1
3) Pyridine	3.410	79	379772	39.321	ng		94
4) n-Nitrosodimethylamine	3.322	42	195856	41.473	ng		97
6) Aniline	6.469	93	173270	17.420	ng	#	27
8) 2-Chlorophenol	6.593	128	469881	49.519	ng		96
9) Benzaldehyde	6.357	77	37295	5.652	ng		97
10) Phenol	6.457	94	519673	43.333	ng		96
11) bis(2-Chloroethyl)ether	6.540	93	416973	46.654	ng		97
12) 1,3-Dichlorobenzene	6.745	146	395348	37.357	ng		98
13) 1,4-Dichlorobenzene	6.822	146	406030	38.072	ng		100
14) 1,2-Dichlorobenzene	6.975	146	393729	39.579	ng		99
15) Benzyl Alcohol	6.951	79	408170	50.449	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.081	45	538753	43.198	ng		91
17) 2-Methylphenol	7.063	107	378227	49.372	ng		98
18) Hexachloroethane	7.316	117	144306	37.417	ng		97
19) n-Nitroso-di-n-propyla...	7.222	70	313375	47.485	ng		96
20) 3+4-Methylphenols	7.216	107	462645	47.869	ng	#	80
22) Acetophenone	7.216	105	599860	47.407	ng		97
24) Nitrobenzene	7.387	77	464430	44.379	ng		98
25) Isophorone	7.628	82	870141	50.707	ng		98
26) 2-Nitrophenol	7.704	139	247201	51.928	ng		99
27) 2,4-Dimethylphenol	7.740	122	383376	59.705	ng		99
28) bis(2-Chloroethoxy)met...	7.834	93	534429	49.625	ng		100
29) 2,4-Dichlorophenol	7.945	162	393572	51.608	ng		99
30) 1,2,4-Trichlorobenzene	8.028	180	386656	44.356	ng		100
31) Naphthalene	8.110	128	1288934	45.919	ng		100
32) Benzoic acid	7.857	122	283907	46.091	ng		96
33) 4-Chloroaniline	8.157	127	91099	9.384	ng		98
34) Hexachlorobutadiene	8.228	225	229855	43.761	ng		98
35) Caprolactam	8.522	113	104402	41.815	ng		98
36) 4-Chloro-3-methylphenol	8.645	107	428648	51.394	ng		100
37) 2-Methylnaphthalene	8.798	142	885119	49.484	ng		99
38) 1-Methylnaphthalene	8.898	142	831573	47.172	ng		99
40) 1,2,4,5-Tetrachloroben...	8.969	216	409698	51.933	ng		98
41) Hexachlorocyclopentadiene	8.951	237	465601	180.395	ng		100
43) 2,4,6-Trichlorophenol	9.081	196	289844	54.475	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	299313	53.266	ng		98
46) 1,1'-Biphenyl	9.269	154	1119854	52.463	ng		99
47) 2-Chloronaphthalene	9.292	162	837919	50.400	ng		98
48) 2-Nitroaniline	9.386	65	249972	50.721	ng		98
49) Acenaphthylene	9.704	152	1303637	54.883	ng		100
50) Dimethylphthalate	9.569	163	1012295	54.860	ng		100
51) 2,6-Dinitrotoluene	9.628	165	221861	51.704	ng		99
52) Acenaphthene	9.881	154	964389	58.113	ng		100
53) 3-Nitroaniline	9.792	138	74430	17.069	ng		99
54) 2,4-Dinitrophenol	9.904	184	226171	110.890	ng		95
55) Dibenzofuran	10.051	168	1191202	52.772	ng		99
56) 4-Nitrophenol	9.963	139	342739	100.361	ng		98
57) 2,4-Dinitrotoluene	10.034	165	298987	54.067	ng		98
58) Fluorene	10.392	166	892961	50.920	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	252834	54.131	ng		99
60) Diethylphthalate	10.269	149	953422	52.926	ng		99
61) 4-Chlorophenyl-phenyle...	10.386	204	451592	52.836	ng		99
62) 4-Nitroaniline	10.410	138	201971	47.323	ng		100
63) Azobenzene	10.545	77	901412	50.712	ng		99
65) 4,6-Dinitro-2-methylph...	10.439	198	158546	63.372	ng		98
66) n-Nitrosodiphenylamine	10.504	169	806309	57.901	ng		99
67) 4-Bromophenyl-phenylether	10.875	248	292175	58.780	ng		99
68) Hexachlorobenzene	10.939	284	318250	57.516	ng		99
69) Atrazine	11.033	200	263442	70.259	ng		99
70) Pentachlorophenol	11.139	266	377432	106.513	ng		99
71) Phenanthrene	11.357	178	1300321	56.099	ng		99
72) Anthracene	11.410	178	1325941	58.831	ng		100
73) Carbazole	11.563	167	1132277	54.790	ng		100
74) Di-n-butylphthalate	11.898	149	1380772	58.383	ng		99
75) Fluoranthene	12.545	202	1286746	55.630	ng		99
77) Benzidine	12.669	184	107595	18.200	ng	#	95
78) Pyrene	12.775	202	1304480	42.841	ng		100
80) Butylbenzylphthalate	13.398	149	533661	52.567	ng		97
81) Benzo(a)anthracene	13.969	228	1162618	53.587	ng		100
82) 3,3'-Dichlorobenzidine	13.927	252	157829	22.846	ng		99
83) Chrysene	14.004	228	1082568	53.326	ng		100
84) Bis(2-ethylhexyl)phtha...	13.963	149	699294	57.409	ng		99
85) Di-n-octyl phthalate	14.586	149	1233442	67.057	ng		97
87) Indeno(1,2,3-cd)pyrene	16.904	276	1490797	54.783	ng		99
88) Benzo(b)fluoranthene	15.021	252	1371480	57.261	ng		100
89) Benzo(k)fluoranthene	15.051	252	1047480	51.750	ng		100
90) Benzo(a)pyrene	15.386	252	1169650	59.189	ng		99
91) Dibenzo(a,h)anthracene	16.921	278	1216230	55.259	ng		98
92) Benzo(g,h,i)perylene	17.345	276	1132553	49.471	ng		99

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

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