Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012325\
Data File : BF141254.D
Acq On : 23 Jan 2025 17:07
Operator : RC/JU
Sample : Q1156-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
281MSD

Quant Time: Jan 23 17:35:48 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	6.804	152	141500	20.000	ng		-0.02
21) Naphthalene-d8	8.087	136	556176	20.000	ng		-0.02
39) Acenaphthene-d10	9.845	164	293358	20.000	ng		-0.02
64) Phenanthrene-d10	11.333	188	451957	20.000	ng		-0.01
76) Chrysene-d12	13.980	240	285660	20.000	ng		0.00
86) Perylene-d12	15.451	264	333910	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	1105109	120.648	ng		0.00
7) Phenol-d6	6.440	99	1384772	119.349	ng		0.00
23) Nitrobenzene-d5	7.369	82	889136	84.742	ng		-0.02
42) 2,4,6-Tribromophenol	10.639	330	437974	131.027	ng		-0.01
45) 2-Fluorobiphenyl	9.169	172	1591510	82.844	ng		-0.01
79) Terphenyl-d14	12.922	244	1308959	68.106	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.593	88	171067	41.939	ng		99
3) Pyridine	3.328	79	443761	44.364	ng		95
4) n-Nitrosodimethylamine	3.275	42	227192	46.452	ng		97
6) Aniline	6.469	93	301243	29.243	ng	#	93
8) 2-Chlorophenol	6.587	128	506709	51.561	ng		98
9) Benzaldehyde	6.351	77	53901	7.888	ng		98
10) Phenol	6.451	94	613914	49.428	ng		96
11) bis(2-Chloroethyl)ether	6.540	93	453653	49.011	ng		98
12) 1,3-Dichlorobenzene	6.746	146	524132	47.820	ng		99
13) 1,4-Dichlorobenzene	6.822	146	535136	48.451	ng		99
14) 1,2-Dichlorobenzene	6.975	146	509515	49.455	ng		98
15) Benzyl Alcohol	6.946	79	433503	51.736	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	616086	47.697	ng		95
17) 2-Methylphenol	7.057	107	406512	51.237	ng		99
18) Hexachloroethane	7.316	117	195099	48.846	ng		98
19) n-Nitroso-di-n-propyla...	7.222	70	335237	49.049	ng		96
20) 3+4-Methylphenols	7.210	107	497988	49.751	ng	#	85
22) Acetophenone	7.216	105	652902	49.381	ng		97
24) Nitrobenzene	7.387	77	517175	47.295	ng		98
25) Isophorone	7.628	82	917731	51.182	ng		99
26) 2-Nitrophenol	7.704	139	272419	54.766	ng		99
27) 2,4-Dimethylphenol	7.740	122	404233	60.248	ng		97
28) bis(2-Chloroethoxy)met...	7.840	93	560154	49.778	ng		100
29) 2,4-Dichlorophenol	7.945	162	412965	51.824	ng		100
30) 1,2,4-Trichlorobenzene	8.028	180	441428	48.463	ng		100
31) Naphthalene	8.110	128	1446671	49.323	ng		100
32) Benzoic acid	7.863	122	330413m	51.336	ng		
33) 4-Chloroaniline	8.157	127	155041	15.285	ng		98
34) Hexachlorobutadiene	8.228	225	268318	48.888	ng		99
35) Caprolactam	8.528	113	128576m	49.284	ng		
36) 4-Chloro-3-methylphenol	8.645	107	449681	51.599	ng		100
37) 2-Methylnaphthalene	8.804	142	948541	50.750	ng		100
38) 1-Methylnaphthalene	8.898	142	883011	47.938	ng		99
40) 1,2,4,5-Tetrachloroben...	8.969	216	434715	51.629	ng		99
41) Hexachlorocyclopentadiene	8.957	237	400155	145.262	ng		99
43) 2,4,6-Trichlorophenol	9.081	196	311340	54.826	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	301047	50.196	ng	98
46) 1,1'-Biphenyl	9.269	154	1169969	51.355	ng	99
47) 2-Chloronaphthalene	9.292	162	885585	49.908	ng	99
48) 2-Nitroaniline	9.387	65	269870	51.306	ng	99
49) Acenaphthylene	9.710	152	1363720	53.792	ng	100
50) Dimethylphthalate	9.569	163	1045259	53.074	ng	100
51) 2,6-Dinitrotoluene	9.634	165	230203	50.265	ng	98
52) Acenaphthene	9.881	154	997056	56.293	ng	100
53) 3-Nitroaniline	9.798	138	141134	30.325	ng	95
54) 2,4-Dinitrophenol	9.910	184	228957	105.177	ng	95
55) Dibenzofuran	10.051	168	1233310	51.193	ng	99
56) 4-Nitrophenol	9.963	139	375931	103.139	ng	99
57) 2,4-Dinitrotoluene	10.034	165	311408	52.762	ng	99
58) Fluorene	10.398	166	948827	50.694	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	256923	51.538	ng	99
60) Diethylphthalate	10.275	149	999915	52.007	ng	100
61) 4-Chlorophenyl-phenyle...	10.386	204	464956	50.969	ng	98
62) 4-Nitroaniline	10.416	138	214914	47.180	ng	99
63) Azobenzene	10.551	77	1095796	57.760	ng	92
65) 4,6-Dinitro-2-methylph...	10.445	198	154305	58.918	ng	94
66) n-Nitrosodiphenylamine	10.510	169	832185	57.086	ng	99
67) 4-Bromophenyl-phenylether	10.881	248	295295	56.751	ng	98
68) Hexachlorobenzene	10.945	284	322094	55.607	ng	98
69) Atrazine	11.039	200	271352	69.132	ng	99
70) Pentachlorophenol	11.139	266	373845	100.783	ng	100
71) Phenanthrene	11.357	178	1359545	56.031	ng	100
72) Anthracene	11.410	178	1355724	57.463	ng	100
73) Carbazole	11.563	167	1094572	50.596	ng	99
74) Di-n-butylphthalate	11.898	149	1375851	55.573	ng	100
75) Fluoranthene	12.551	202	1982579	81.880	ng	99
77) Benzidine	12.675	184	353490	66.729	ng	99
78) Pyrene	12.780	202	1916765	70.252	ng	99
80) Butylbenzylphthalate	13.398	149	453054	49.804	ng	99
81) Benzo(a)anthracene	13.974	228	1383772	71.179	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	234906	37.947	ng	99
83) Chrysene	14.010	228	1237704	68.041	ng	100
84) Bis(2-ethylhexyl)phtha...	13.963	149	578338	52.987	ng	99
85) Di-n-octyl phthalate	14.592	149	1056543	64.102	ng	98
87) Indeno(1,2,3-cd)pyrene	16.910	276	1093250	44.690	ng	98
88) Benzo(b)fluoranthene	15.033	252	1281495	59.517	ng	100
89) Benzo(k)fluoranthene	15.063	252	925905	50.885	ng	100
90) Benzo(a)pyrene	15.398	252	1138724	64.100	ng	99
91) Dibenzo(a,h)anthracene	16.933	278	868982	43.919	ng	98
92) Benzo(g,h,i)perylene	17.351	276	775437	37.678	ng	99

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

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