Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090225\
Data File : BP025646.D
Acq On : 02 Sep 2025 20:22
Operator : CG/JU
Sample : Q2995-02MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RT5427MSD

Quant Time: Sep 03 01:04:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.772	152	145693	20.000	ng	-0.02
21) Naphthalene-d8	10.542	136	581441	20.000	ng	-0.02
39) Acenaphthene-d10	14.389	164	368807	20.000	ng	-0.02
64) Phenanthrene-d10	17.183	188	753771	20.000	ng	#-0.02
76) Chrysene-d12	21.624	240	811548	20.000	ng	-0.02
86) Perylene-d12	24.971	264	906350	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.401	112	1252215	142.735	ng	0.00
7) Phenol-d6	6.966	99	1473243	130.981	ng	0.00
23) Nitrobenzene-d5	8.913	82	1095843	95.339	ng	-0.02
42) 2,4,6-Tribromophenol	15.901	330	828412	166.878	ng	-0.01
45) 2-Fluorobiphenyl	13.001	172	2457106	91.053	ng	-0.02
79) Terphenyl-d14	19.901	244	4313281	97.240	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	143163	41.661	ng	# 73
3) Pyridine	3.731	79	350731	37.289	ng	95
4) n-Nitrosodimethylamine	3.625	42	210186	54.204	ng	92
6) Aniline	7.107	93	425901	28.104	ng	97
8) 2-Chlorophenol	7.348	128	508165	51.330	ng	96
9) Benzaldehyde	6.925	77	185119	23.491	ng	96
10) Phenol	6.990	94	544789	46.159	ng	96
11) bis(2-Chloroethyl)ether	7.201	93	467705	50.843	ng	97
12) 1,3-Dichlorobenzene	7.660	146	527498	48.322	ng	98
13) 1,4-Dichlorobenzene	7.807	146	538144	48.231	ng	99
14) 1,2-Dichlorobenzene	8.119	146	519276	48.078	ng	98
15) Benzyl Alcohol	8.013	79	460938	51.576	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.284	45	641937	52.092	ng	97
17) 2-Methylphenol	8.219	107	419218	51.143	ng	100
18) Hexachloroethane	8.842	117	204070	49.744	ng	97
19) n-Nitroso-di-n-propyla...	8.566	70	366283	49.164	ng	95
20) 3+4-Methylphenols	8.542	107	556524	48.980	ng	96
22) Acetophenone	8.584	105	755746	51.830	ng	# 98
24) Nitrobenzene	8.954	77	535086	52.089	ng	99
25) Isophorone	9.484	82	1067443	52.475	ng	98
26) 2-Nitrophenol	9.654	139	284069	53.883	ng	98
27) 2,4-Dimethylphenol	9.725	122	490572	54.110	ng	99
28) bis(2-Chloroethoxy)met...	9.948	93	627064	50.997	ng	99
29) 2,4-Dichlorophenol	10.201	162	485850	53.946	ng	97
30) 1,2,4-Trichlorobenzene	10.401	180	497239	50.364	ng	99
31) Naphthalene	10.589	128	1519126	50.268	ng	99
32) Benzoic acid	9.895	122	350553	52.373	ng	96
33) 4-Chloroaniline	10.701	127	144518	10.826	ng	98
34) Hexachlorobutadiene	10.878	225	311400	50.646	ng	97
35) Caprolactam	11.501	113	155809	47.180	ng	96
36) 4-Chloro-3-methylphenol	11.836	107	562680	54.447	ng	96
37) 2-Methylnaphthalene	12.201	142	1002232	50.961	ng	99
38) 1-Methylnaphthalene	12.419	142	1053038	50.349	ng	99
40) 1,2,4,5-Tetrachloroben...	12.572	216	576647	54.137	ng	99
41) Hexachlorocyclopentadiene	12.548	237	605281	94.076	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	407964	56.733	ng	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	456973	57.983	ng		98
46) 1,1'-Biphenyl	13.213	154	1440686	53.787	ng		98
47) 2-Chloronaphthalene	13.254	162	1115529	53.498	ng		99
48) 2-Nitroaniline	13.460	65	367474	60.483	ng		97
49) Acenaphthylene	14.113	152	1889551	54.763	ng		100
50) Dimethylphthalate	13.848	163	1539662	57.009	ng		100
51) 2,6-Dinitrotoluene	13.960	165	334747	58.806	ng		94
52) Acenaphthene	14.454	154	1066216	52.645	ng		100
53) 3-Nitroaniline	14.289	138	209683	32.740	ng		95
54) 2,4-Dinitrophenol	14.519	184	421386	138.619	ng		98
55) Dibenzofuran	14.789	168	1742364	54.414	ng		100
56) 4-Nitrophenol	14.630	139	531804	101.050	ng		94
57) 2,4-Dinitrotoluene	14.766	165	488410	60.137	ng		96
58) Fluorene	15.454	166	1405422	55.625	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.024	232	413588	59.433	ng		99
60) Diethylphthalate	15.219	149	1602763	58.405	ng		100
61) 4-Chlorophenyl-phenyle...	15.448	204	705090	56.112	ng		98
62) 4-Nitroaniline	15.472	138	359426	54.743	ng		94
63) Azobenzene	15.748	77	1386925	59.024	ng		98
65) 4,6-Dinitro-2-methylph...	15.536	198	293157	62.392	ng		93
66) n-Nitrosodiphenylamine	15.666	169	1276758	55.546	ng		98
67) 4-Bromophenyl-phenylether	16.360	248	468799	56.549	ng		99
68) Hexachlorobenzene	16.477	284	539964	56.188	ng		99
69) Atrazine	16.636	200	498851	57.951	ng		98
70) Pentachlorophenol	16.836	266	747835	123.277	ng		99
71) Phenanthrene	17.230	178	2265145	54.704	ng		100
72) Anthracene	17.324	178	2354403	55.679	ng		100
73) Carbazole	17.601	167	2233656	56.081	ng		99
74) Di-n-butylphthalate	18.195	149	3007130	61.367	ng		99
75) Fluoranthene	19.312	202	2774470	56.173	ng		99
77) Benzidine	19.507	184	547185	19.757	ng		99
78) Pyrene	19.689	202	2898500	54.950	ng		99
80) Butylbenzylphthalate	20.630	149	1418811	59.349	ng		99
81) Benzo(a)anthracene	21.601	228	2972995	55.547	ng		99
82) 3,3'-Dichlorobenzidine	21.524	252	698012	34.600	ng		100
83) Chrysene	21.671	228	2791132	55.686	ng		99
84) Bis(2-ethylhexyl)phtha...	21.536	149	2133598	60.629	ng		99
85) Di-n-octyl phthalate	22.806	149	3689306	60.950	ng		98
87) Indeno(1,2,3-cd)pyrene	28.812	276	3712998	55.861	ng	#	94
88) Benzo(b)fluoranthene	23.918	252	3018548	56.480	ng		99
89) Benzo(k)fluoranthene	23.995	252	3016274	56.399	ng		99
90) Benzo(a)pyrene	24.812	252	2926426	56.251	ng		99
91) Dibenzo(a,h)anthracene	28.888	278	3044768	56.054	ng		98
92) Benzo(g,h,i)perylene	30.006	276	2962937	55.492	ng		98

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

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