Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
Data File : BP024514.D
Acq On : 02 May 2025 18:22
Operator : RC/JU
Sample : Q1928-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Quant Time: May 02 23:45:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	149569	20.000	ng	-0.02
21) Naphthalene-d8	10.481	136	635615	20.000	ng	#-0.02
39) Acenaphthene-d10	14.346	164	419632	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	860341	20.000	ng	0.00
76) Chrysene-d12	21.610	240	887893	20.000	ng	0.02
86) Perylene-d12	24.963	264	1018252	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	683071	75.512	ng	-0.01
7) Phenol-d6	6.899	99	903321	72.929	ng	-0.01
23) Nitrobenzene-d5	8.852	82	517024	46.382	ng	-0.02
42) 2,4,6-Tribromophenol	15.869	330	541662	93.296	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	1137422	41.501	ng	-0.01
79) Terphenyl-d14	19.881	244	2186171	49.629	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.276	88	151155	39.505	ng	# 95
3) Pyridine	3.670	79	389783	38.580	ng	93
4) n-Nitrosodimethylamine	3.581	42	169788	50.636	ng	76
6) Aniline	7.046	93	436068	39.398	ng	98
8) 2-Chlorophenol	7.281	128	504366	49.939	ng	100
9) Benzaldehyde	6.864	77	213302	34.813	ng	97
10) Phenol	6.922	94	610348	49.121	ng	90
11) bis(2-Chloroethyl)ether	7.140	93	419445	41.898	ng	99
12) 1,3-Dichlorobenzene	7.599	146	505058	46.451	ng	99
13) 1,4-Dichlorobenzene	7.740	146	515827	46.758	ng	99
14) 1,2-Dichlorobenzene	8.052	146	497236	46.677	ng	99
15) Benzyl Alcohol	7.946	79	432903	54.044	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.222	45	475692	43.960	ng	99
17) 2-Methylphenol	8.158	107	421347	52.419	ng	97
18) Hexachloroethane	8.775	117	191569	48.050	ng	95
19) n-Nitroso-di-n-propyla...	8.511	70	331562	43.268	ng	93
20) 3+4-Methylphenols	8.481	107	576508	51.691	ng	97
22) Acetophenone	8.522	105	707351	44.963	ng	97
24) Nitrobenzene	8.899	77	505877	45.875	ng	98
25) Isophorone	9.422	82	956925	47.427	ng	97
26) 2-Nitrophenol	9.605	139	277506	51.424	ng	96
27) 2,4-Dimethylphenol	9.669	122	474209	69.984	ng	97
28) bis(2-Chloroethoxy)met...	9.893	93	584460	42.880	ng	99
29) 2,4-Dichlorophenol	10.140	162	482747	52.251	ng	99
30) 1,2,4-Trichlorobenzene	10.346	180	473798	47.864	ng	99
31) Naphthalene	10.534	128	1470013	43.905	ng	99
32) Benzoic acid	9.840	122	378416	47.929	ng	97
33) 4-Chloroaniline	10.652	127	268680	22.787	ng	99
34) Hexachlorobutadiene	10.816	225	299778	51.536	ng	99
35) Caprolactam	11.446	113	175782	51.564	ng	98
36) 4-Chloro-3-methylphenol	11.781	107	559673	52.008	ng	97
37) 2-Methylnaphthalene	12.146	142	964313	41.529	ng	97
38) 1-Methylnaphthalene	12.369	142	1016861	44.764	ng	100
40) 1,2,4,5-Tetrachloroben...	12.516	216	547934	47.481	ng	99
41) Hexachlorocyclopentadiene	12.493	237	714785	175.134	ng	99
43) 2,4,6-Trichlorophenol	12.763	196	402938	52.518	ng	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.840	196	447948	52.724	ng		98
46) 1,1'-Biphenyl	13.163	154	1406774	45.608	ng		98
47) 2-Chloronaphthalene	13.204	162	1074038	46.589	ng		97
48) 2-Nitroaniline	13.416	65	340290	52.623	ng		97
49) Acenaphthylene	14.063	152	1832311	50.483	ng		100
50) Dimethylphthalate	13.798	163	1458720	47.801	ng		100
51) 2,6-Dinitrotoluene	13.922	165	326702	50.416	ng		94
52) Acenaphthene	14.410	154	1048106	45.549	ng		99
53) 3-Nitroaniline	14.257	138	186453	27.377	ng		96
54) 2,4-Dinitrophenol	14.469	184	416502	109.115	ng		89
55) Dibenzofuran	14.751	168	1639621	43.593	ng		96
56) 4-Nitrophenol	14.598	139	631394	107.342	ng		92
57) 2,4-Dinitrotoluene	14.722	165	470506	53.227	ng		97
58) Fluorene	15.410	166	1364224	46.854	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.993	232	399914	51.035	ng		98
60) Diethylphthalate	15.181	149	1504235	47.833	ng		99
61) 4-Chlorophenyl-phenyle...	15.404	204	670521	47.423	ng		96
62) 4-Nitroaniline	15.445	138	350240	48.578	ng		85
63) Azobenzene	15.704	77	1375499	47.588	ng		96
65) 4,6-Dinitro-2-methylph...	15.504	198	269920	49.763	ng		95
66) n-Nitrosodiphenylamine	15.628	169	1210049	47.122	ng		100
67) 4-Bromophenyl-phenylether	16.322	248	470245	49.976	ng		99
68) Hexachlorobenzene	16.440	284	584282	52.257	ng		99
69) Atrazine	16.616	200	468786	71.677	ng		98
70) Pentachlorophenol	16.798	266	827733	106.118	ng		99
71) Phenanthrene	17.198	178	2181455	46.479	ng		99
72) Anthracene	17.298	178	2190907	48.434	ng		99
73) Carbazole	17.575	167	2138978	48.395	ng		99
74) Di-n-butylphthalate	18.169	149	2756589	50.061	ng		99
75) Fluoranthene	19.292	202	2615619	46.858	ng		96
77) Benzidine	19.486	184	1206943	107.238	ng		99
78) Pyrene	19.663	202	2631157	46.630	ng		99
80) Butylbenzylphthalate	20.616	149	1283998	53.126	ng		98
81) Benzo(a)anthracene	21.592	228	2642545	47.883	ng		100
82) 3,3'-Dichlorobenzidine	21.516	252	581832	30.037	ng		99
83) Chrysene	21.657	228	2447158	46.284	ng		99
84) Bis(2-ethylhexyl)phtha...	21.528	149	1863639	52.600	ng	#	99
85) Di-n-octyl phthalate	22.804	149	3092794	53.694	ng		100
87) Indeno(1,2,3-cd)pyrene	28.780	276	3575445m	50.578	ng		
88) Benzo(b)fluoranthene	23.910	252	2822909	46.251	ng	#	97
89) Benzo(k)fluoranthene	23.980	252	2741083	46.493	ng	#	97
90) Benzo(a)pyrene	24.810	252	2677782	50.862	ng	#	97
91) Dibenzo(a,h)anthracene	28.862	278	2937027	50.055	ng		96
92) Benzo(g,h,i)perylene	29.956	276	2824116	47.286	ng		95

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

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