Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
Data File : BG064185.D
Acq On : 4 Apr 2025 3:25
Operator : RC/JU
Sample : Q1680-04MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

Quant Time: Apr 04 04:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.859	152	29308	20.000	ng	0.00
21) Naphthalene-d8	10.650	136	141468	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	108737	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	244845	20.000	ng	0.00
76) Chrysene-d12	21.455	240	240423	20.000	ng	0.00
86) Perylene-d12	24.463	264	264527	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.450	112	271498	144.646	ng	0.00
7) Phenol-d6	7.031	99	348463	136.469	ng	0.00
23) Nitrobenzene-d5	9.011	82	281990	110.154	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	217287	179.771	ng	0.00
45) 2-Fluorobiphenyl	13.106	172	697179	97.321	ng	-0.01
79) Terphenyl-d14	19.845	244	1233035	103.700	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.371	88	25542	30.026	ng	# 78
3) Pyridine	3.764	79	69503	33.596	ng	95
4) n-Nitrosodimethylamine	3.670	42	67330	45.552	ng	88
6) Aniline	7.190	93	113439	45.275	ng	99
8) 2-Chlorophenol	7.425	128	116252	57.668	ng	96
9) Benzaldehyde	6.996	77	54881	36.956	ng	92
10) Phenol	7.054	94	137230	52.492	ng	97
11) bis(2-Chloroethyl)ether	7.284	93	100458	49.014	ng	99
12) 1,3-Dichlorobenzene	7.748	146	106029	47.896	ng	93
13) 1,4-Dichlorobenzene	7.895	146	107812	47.514	ng	98
14) 1,2-Dichlorobenzene	8.212	146	108847	49.748	ng	98
15) Benzyl Alcohol	8.094	79	121919	61.789	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.382	45	235783	51.162	ng	99
17) 2-Methylphenol	8.300	107	106310	61.271	ng	98
18) Hexachloroethane	8.940	117	44182	55.653	ng	97
19) n-Nitroso-di-n-propyla...	8.664	70	102320	57.098	ng	94
20) 3+4-Methylphenols	8.623	107	147111	61.587	ng	93
22) Acetophenone	8.676	105	194493	50.143	ng	96
24) Nitrobenzene	9.052	77	145733	55.085	ng	98
25) Isophorone	9.575	82	289912	56.581	ng	95
26) 2-Nitrophenol	9.757	139	63619	64.526	ng	95
27) 2,4-Dimethylphenol	9.822	122	132940	86.546	ng	97
28) bis(2-Chloroethoxy)met...	10.057	93	162533	52.321	ng	99
29) 2,4-Dichlorophenol	10.298	162	123980	63.921	ng	97
30) 1,2,4-Trichlorobenzene	10.509	180	120607	51.510	ng	98
31) Naphthalene	10.697	128	385328	50.513	ng	99
32) Benzoic acid	9.910	122	6586m	12.513	ng	
33) 4-Chloroaniline	10.797	127	26459	9.490	ng	93
34) Hexachlorobutadiene	10.991	225	83161	54.186	ng	99
35) Caprolactam	11.573	113	37431m	50.359	ng	
36) 4-Chloro-3-methylphenol	11.931	107	161313	63.448	ng	96
37) 2-Methylnaphthalene	12.307	142	268491	49.856	ng	94
38) 1-Methylnaphthalene	12.525	142	291032	55.161	ng	95
40) 1,2,4,5-Tetrachloroben...	12.677	216	157845	50.846	ng	97
41) Hexachlorocyclopentadiene	12.660	237	219224	250.906	ng	96
43) 2,4,6-Trichlorophenol	12.912	196	116122	63.468	ng	94

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.983	196	129132	63.519	ng		98
46)	1,1'-Biphenyl	13.318	154	429252	52.251	ng		98
47)	2-Chloronaphthalene	13.359	162	320985	53.573	ng		98
48)	2-Nitroaniline	13.559	65	132885	62.932	ng		98
49)	Acenaphthylene	14.205	152	557690	58.847	ng		100
50)	Dimethylphthalate	13.946	163	455301	56.723	ng		100
51)	2,6-Dinitrotoluene	14.058	165	99365	60.109	ng		94
52)	Acenaphthene	14.546	154	336790	52.953	ng		99
53)	3-Nitroaniline	14.381	138	43959	28.336	ng		98
54)	2,4-Dinitrophenol	14.587	184	21463	36.380	ng	#	64
55)	Dibenzofuran	14.881	168	542109	52.615	ng		95
56)	4-Nitrophenol	14.698	139	130584	100.367	ng	#	83
57)	2,4-Dinitrotoluene	14.845	165	142804	62.375	ng	#	98
58)	Fluorene	15.533	166	440682	54.915	ng		98
59)	2,3,4,6-Tetrachlorophenol	15.110	232	126226m	63.689	ng		
60)	Diethylphthalate	15.310	149	487576	55.955	ng		100
61)	4-Chlorophenyl-phenyle...	15.527	204	217280	54.486	ng		90
62)	4-Nitroaniline	15.550	138	92845	55.434	ng		88
63)	Azobenzene	15.821	77	493591	53.084	ng		96
65)	4,6-Dinitro-2-methylph...	15.609	198	28372	30.431	ng		97
66)	n-Nitrosodiphenylamine	15.744	169	396995	57.281	ng		98
67)	4-Bromophenyl-phenylether	16.420	248	154749	61.710	ng		99
68)	Hexachlorobenzene	16.537	284	162436	57.859	ng		96
69)	Atrazine	16.690	200	155475	76.243	ng		97
70)	Pentachlorophenol	16.878	266	128987	73.998	ng		96
71)	Phenanthrene	17.266	178	725225	55.532	ng		100
72)	Anthracene	17.354	178	751420	57.865	ng		99
73)	Carbazole	17.624	167	667232	55.032	ng		99
74)	Di-n-butylphthalate	18.194	149	820592	57.498	ng		99
75)	Fluoranthene	19.275	202	839284	53.308	ng		97
77)	Benzidine	19.458	184	161528	48.519	ng		99
78)	Pyrene	19.634	202	857599	55.336	ng		99
80)	Butylbenzylphthalate	20.533	149	372496	62.835	ng		99
81)	Benzo(a)anthracene	21.438	228	884301	57.419	ng		98
82)	3,3'-Dichlorobenzidine	21.355	252	150995	30.294	ng		97
83)	Chrysene	21.496	228	834025	54.297	ng		98
84)	Bis(2-ethylhexyl)phtha...	21.367	149	552511	66.336	ng		99
85)	Di-n-octyl phthalate	22.507	149	936442	65.183	ng		98
87)	Indeno(1,2,3-cd)pyrene	27.865	276	1028126	58.090	ng	#	95
88)	Benzo(b)fluoranthene	23.518	252	873185	54.603	ng		98
89)	Benzo(k)fluoranthene	23.582	252	856251	53.373	ng		98
90)	Benzo(a)pyrene	24.328	252	841969	59.119	ng		98
91)	Dibenzo(a,h)anthracene	27.924	278	851834	58.054	ng		96
92)	Benzo(g,h,i)perylene	28.929	276	799963	53.101	ng		96

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

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