Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112125\
Data File : BG064842.D
Acq On : 21 Nov 2025 13:01
Operator : RC/JU
Sample : Q3530-09
Misc : MDL-WATER-4ng
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2025

Quant Time: Nov 21 13:36:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.162	152	46959	20.000	ng		0.00
21) Naphthalene-d8	10.982	136	187255	20.000	ng		0.00
39) Acenaphthene-d10	14.772	164	161776	20.000	ng		0.00
64) Phenanthrene-d10	17.498	188	413388	20.000	ng		0.00
76) Chrysene-d12	21.746	240	474711	20.000	ng		-0.01
86) Perylene-d12	25.007	264	455028	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.700	112	286518	106.545	ng		0.00
7) Phenol-d6	7.310	99	395518	110.581	ng		0.00
23) Nitrobenzene-d5	9.325	82	288968	76.299	ng		0.00
42) 2,4,6-Tribromophenol	16.247	330	350271	111.016	ng		0.00
45) 2-Fluorobiphenyl	13.403	172	868263	74.889	ng		0.00
79) Terphenyl-d14	20.089	244	2098525	86.958	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.526	88	3810	3.660	ng		92
3) Pyridine	3.949	79	9840	3.172	ng		94
4) n-Nitrosodimethylamine	3.849	42	5487	3.475	ng	#	94
6) Aniline	7.480	93	17648	3.702	ng		94
8) 2-Chlorophenol	7.721	128	10994	3.723	ng		97
9) Benzaldehyde	7.287	77	9884	4.222	ng		98
10) Phenol	7.334	94	13233	3.400	ng		99
11) bis(2-Chloroethyl)ether	7.569	93	9872	3.565	ng		94
12) 1,3-Dichlorobenzene	8.050	146	12302	3.621	ng		89
13) 1,4-Dichlorobenzene	8.197	146	12592	3.640	ng		93
14) 1,2-Dichlorobenzene	8.520	146	12820	3.822	ng		96
15) Benzyl Alcohol	8.397	79	9320	3.175	ng		92
16) 2,2'-oxybis(1-Chloropr...	8.685	45	20268	3.092	ng		96
17) 2-Methylphenol	8.597	107	9463	3.437	ng		86
18) Hexachloroethane	9.261	117	4372	3.336	ng		93
19) n-Nitroso-di-n-propyla...	8.961	70	8419	3.481	ng	#	84
20) 3+4-Methylphenols	8.926	107	11374	3.015	ng		92
22) Acetophenone	8.979	105	17563	3.443	ng		93
24) Nitrobenzene	9.367	77	13856	3.621	ng		92
25) Isophorone	9.889	82	24961	3.461	ng		94
26) 2-Nitrophenol	10.089	139	5969	3.468	ng	#	86
27) 2,4-Dimethylphenol	10.130	122	10441	3.414	ng		90
28) bis(2-Chloroethoxy)met...	10.365	93	13783	3.481	ng		97
29) 2,4-Dichlorophenol	10.624	162	10454	3.184	ng		91
30) 1,2,4-Trichlorobenzene	10.841	180	14794	3.732	ng		92
31) Naphthalene	11.029	128	38786	3.654	ng	#	94
32) Benzoic acid	10.224	122	3613m	7.351	ng		
33) 4-Chloroaniline	11.129	127	14105	3.322	ng		96
34) Hexachlorobutadiene	11.323	225	11929	3.507	ng		87
35) Caprolactam	11.869	113	2702	2.752	ng	#	56
36) 4-Chloro-3-methylphenol	12.228	107	11405	3.121	ng	#	89
37) 2-Methylnaphthalene	12.621	142	25856	3.255	ng		97
38) 1-Methylnaphthalene	12.839	142	27644	3.503	ng		91
40) 1,2,4,5-Tetrachloroben...	12.986	216	22286	3.540	ng		98
41) Hexachlorocyclopentadiene	12.968	237	8947	1.983	ng		92
43) 2,4,6-Trichlorophenol	13.215	196	10613	2.872	ng		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.291	196	14386	3.471	ng		97
46) 1,1'-Biphenyl	13.614	154	40962	3.525	ng		99
47) 2-Chloronaphthalene	13.656	162	31979	3.493	ng		97
48) 2-Nitroaniline	13.844	65	8628	2.930	ng		96
49) Acenaphthylene	14.496	152	53134	3.398	ng		97
50) Dimethylphthalate	14.214	163	43702	3.420	ng		98
51) 2,6-Dinitrotoluene	14.331	165	8829	3.590	ng		87
52) Acenaphthene	14.837	154	31369	3.345	ng		96
53) 3-Nitroaniline	14.660	138	7436	3.064	ng		87
54) 2,4-Dinitrophenol	14.872	184	592	8.898	ng	#	43
55) Dibenzofuran	15.166	168	56239	3.628	ng		97
56) 4-Nitrophenol	14.972	139	3912	2.032	ng	#	72
57) 2,4-Dinitrotoluene	15.113	165	11862	3.218	ng	#	89
58) Fluorene	15.806	166	42504	3.496	ng		93
59) 2,3,4,6-Tetrachlorophenol	15.389	232	15148	3.705	ng	#	95
60) Diethylphthalate	15.565	149	43226	3.531	ng		99
61) 4-Chlorophenyl-phenyle...	15.800	204	25694	3.521	ng		98
62) 4-Nitroaniline	15.812	138	7013	2.789	ng		83
63) Azobenzene	16.088	77	35147	3.452	ng		96
65) 4,6-Dinitro-2-methylph...	15.882	198	3612	1.574	ng		79
66) n-Nitrosodiphenylamine	16.006	169	37782	3.489	ng		98
67) 4-Bromophenyl-phenylether	16.687	248	19226	3.542	ng		97
68) Hexachlorobenzene	16.811	284	23744	3.610	ng	#	89
69) Atrazine	16.940	200	16093	3.083	ng		90
70) Pentachlorophenol	17.151	266	8076m	8.058	ng		
71) Phenanthrene	17.539	178	81967	3.624	ng		98
72) Anthracene	17.627	178	77906	3.378	ng		98
73) Carbazole	17.892	167	67656	3.412	ng		98
74) Di-n-butylphthalate	18.444	149	75067	3.394	ng		98
75) Fluoranthene	19.537	202	106400	3.440	ng		98
77) Benzidine	19.701	184	41526	2.921	ng		98
78) Pyrene	19.895	202	107494	4.040	ng		98
80) Butylbenzylphthalate	20.759	149	34671	3.705	ng		94
81) Benzo(a)anthracene	21.728	228	111020	3.439	ng		99
82) 3,3'-Dichlorobenzidine	21.634	252	37374	3.146	ng	#	97
83) Chrysene	21.793	228	108134	3.553	ng		98
84) Bis(2-ethylhexyl)phtha...	21.629	149	48140	3.520	ng		99
85) Di-n-octyl phthalate	22.851	149	74865	3.167	ng		99
87) Indeno(1,2,3-cd)pyrene	28.720	276	105697	3.381	ng		96
88) Benzo(b)fluoranthene	23.967	252	96391m	3.329	ng		
89) Benzo(k)fluoranthene	24.032	252	100712	3.462	ng		98
90) Benzo(a)pyrene	24.848	252	92245	3.434	ng	#	99
91) Dibenzo(a,h)anthracene	28.785	278	85257	3.329	ng		95
92) Benzo(g,h,i)perylene	29.878	276	86218	3.498	ng		99

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

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