Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090525\
Data File : BG064294.D
Acq On : 5 Sep 2025 15:49
Operator : RC/JU
Sample : Q2126-09
Misc : MDL-WATER 4PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT2-2025

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/08/2025
Supervised By :Jagrut Upadhyay 09/08/2025

Quant Time: Sep 05 16:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.852	152	25778	20.000	ng		0.00
21) Naphthalene-d8	10.637	136	112595	20.000	ng		#-0.01
39) Acenaphthene-d10	14.474	164	81735	20.000	ng		0.00
64) Phenanthrene-d10	17.217	188	205090	20.000	ng		# 0.00
76) Chrysene-d12	21.448	240	220813	20.000	ng		0.00
86) Perylene-d12	24.456	264	241290	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.437	112	165914	115.473	ng		0.00
7) Phenol-d6	7.023	99	229518	116.273	ng		0.00
23) Nitrobenzene-d5	9.003	82	179887	89.101	ng		-0.01
42) 2,4,6-Tribromophenol	15.966	330	159272	147.118	ng		0.00
45) 2-Fluorobiphenyl	13.105	172	467555	87.313	ng		0.00
79) Terphenyl-d14	19.838	244	979001	92.501	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.357	88	2302	3.844	ng		85
3) Pyridine	3.757	79	5865	3.327	ng	#	52
4) n-Nitrosodimethylamine	3.669	42	4748	4.072	ng		91
6) Aniline	7.176	93	9828	3.600	ng		96
8) 2-Chlorophenol	7.417	128	6524	3.716	ng		91
9) Benzaldehyde	7.000	77	6405	3.943	ng		89
10) Phenol	7.047	94	8049	3.698	ng		85
11) bis(2-Chloroethyl)ether	7.276	93	5486	3.355	ng		96
12) 1,3-Dichlorobenzene	7.740	146	7391	3.957	ng		89
13) 1,4-Dichlorobenzene	7.893	146	7243	3.842	ng		91
14) 1,2-Dichlorobenzene	8.204	146	7367m	4.049	ng		
15) Benzyl Alcohol	8.081	79	6268	3.441	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.375	45	10637	2.849	ng		95
17) 2-Methylphenol	8.293	107	4967	3.062	ng	#	78
18) Hexachloroethane	8.921	117	2800	3.805	ng	#	75
19) n-Nitroso-di-n-propyla...	8.657	70	5016	3.320	ng		97
20) 3+4-Methylphenols	8.610	107	7069	3.137	ng		92
22) Acetophenone	8.663	105	11157	3.917	ng	#	94
24) Nitrobenzene	9.039	77	7587	3.597	ng		92
25) Isophorone	9.568	82	15857	3.779	ng	#	90
26) 2-Nitrophenol	9.750	139	3476	3.814	ng		94
27) 2,4-Dimethylphenol	9.820	122	5850	3.656	ng		92
28) bis(2-Chloroethoxy)met...	10.043	93	8952	3.957	ng	#	80
29) 2,4-Dichlorophenol	10.296	162	6029	3.571	ng		94
30) 1,2,4-Trichlorobenzene	10.502	180	7726	4.340	ng		92
31) Naphthalene	10.690	128	21823	3.738	ng	#	92
32) Benzoic acid	9.949	122	2034m	1.601	ng		
33) 4-Chloroaniline	10.796	127	8663	3.828	ng		96
34) Hexachlorobutadiene	10.984	225	6214	4.722	ng		92
35) Caprolactam	11.553	113	2348	3.591	ng	#	37
36) 4-Chloro-3-methylphenol	11.918	107	7616	3.477	ng	#	91
37) 2-Methylnaphthalene	12.300	142	13761m	3.171	ng		
38) 1-Methylnaphthalene	12.517	142	15311	3.572	ng		98
40) 1,2,4,5-Tetrachloroben...	12.664	216	10264	4.352	ng		92
41) Hexachlorocyclopentadiene	12.652	237	4499	4.014	ng		81
43) 2,4,6-Trichlorophenol	12.905	196	6325m	4.013	ng		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.975	196	6792	3.972	ng	#	92
46) 1,1'-Biphenyl	13.316	154	22692	3.812	ng		95
47) 2-Chloronaphthalene	13.345	162	17104	3.822	ng		99
48) 2-Nitroaniline	13.551	65	5405	3.543	ng	#	77
49) Acenaphthylene	14.197	152	27878	4.214	ng		97
50) Dimethylphthalate	13.927	163	23791	3.846	ng		96
51) 2,6-Dinitrotoluene	14.045	165	4603	3.843	ng	#	80
52) Acenaphthene	14.538	154	17685	3.788	ng		94
53) 3-Nitroaniline	14.374	138	4888	3.896	ng	#	83
54) 2,4-Dinitrophenol	14.591	184	1499	7.432	ng	#	69
55) Dibenzofuran	14.873	168	29002	3.949	ng		96
56) 4-Nitrophenol	14.691	139	2777	2.698	ng	#	75
57) 2,4-Dinitrotoluene	14.838	165	7151	3.949	ng	#	95
58) Fluorene	15.525	166	23545	3.912	ng		89
59) 2,3,4,6-Tetrachlorophenol	15.108	232	6522	3.966	ng	#	95
60) Diethylphthalate	15.296	149	26672	4.028	ng		97
61) 4-Chlorophenyl-phenyle...	15.519	204	12088	4.028	ng	#	86
62) 4-Nitroaniline	15.537	138	4383	3.424	ng	#	85
63) Azobenzene	15.813	77	21696	3.677	ng		90
65) 4,6-Dinitro-2-methylph...	15.602	198	3607	3.063	ng		90
66) n-Nitrosodiphenylamine	15.731	169	20791	3.685	ng	#	88
67) 4-Bromophenyl-phenylether	16.412	248	9020	4.141	ng	#	82
68) Hexachlorobenzene	16.530	284	9462	3.912	ng	#	90
69) Atrazine	16.677	200	9133	3.877	ng		83
70) Pentachlorophenol	16.871	266	4987	3.400	ng		95
71) Phenanthrene	17.259	178	42722	3.949	ng		97
72) Anthracene	17.353	178	40651	3.694	ng		98
73) Carbazole	17.623	167	36134	3.728	ng		96
74) Di-n-butylphthalate	18.187	149	43135	3.704	ng	#	98
75) Fluoranthene	19.268	202	49229	3.871	ng		94
77) Benzidine	19.456	184	18080	3.892	ng	#	92
78) Pyrene	19.632	202	51644	3.712	ng		98
80) Butylbenzylphthalate	20.531	149	20588	3.924	ng	#	92
81) Benzo(a)anthracene	21.430	228	53034	3.754	ng		96
82) 3,3'-Dichlorobenzidine	21.354	252	18725	4.070	ng		94
83) Chrysene	21.495	228	51886	3.826	ng		96
84) Bis(2-ethylhexyl)phtha...	21.354	149	29121	3.697	ng		98
85) Di-n-octyl phthalate	22.499	149	50381	3.670	ng		99
87) Indeno(1,2,3-cd)pyrene	27.834	276	61253	3.717	ng	#	62
88) Benzo(b)fluoranthene	23.504	252	51115m	3.753	ng		
89) Benzo(k)fluoranthene	23.563	252	50741	3.657	ng	#	93
90) Benzo(a)pyrene	24.309	252	50386	3.977	ng		94
91) Dibenzo(a,h)anthracene	27.893	278	48610	3.674	ng	#	96
92) Benzo(g,h,i)perylene	28.886	276	49637	3.856	ng		97

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

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