Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022025\
Data File : BP024105.D
Acq On : 20 Feb 2025 12:25
Operator : RC/JU
Sample : Q1168-09
Misc : MDL-MDL-WATER 4PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-03-QT1-2025

Quant Time: Feb 20 12:52:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 18 02:25:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.758	152	376063	20.000	ng		0.00
21) Naphthalene-d8	10.534	136	1660041	20.000	ng		0.00
39) Acenaphthene-d10	14.398	164	1030585	20.000	ng		0.00
64) Phenanthrene-d10	17.204	188	1923603	20.000	ng		0.02
76) Chrysene-d12	21.651	240	1769288	20.000	ng		0.00
86) Perylene-d12	25.045	264	1674666	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.370	112	2547737	105.711	ng		0.00
7) Phenol-d6	6.940	99	3494394	112.809	ng		0.00
23) Nitrobenzene-d5	8.905	82	2758395	92.701	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	1397542	110.709	ng		0.00
45) 2-Fluorobiphenyl	12.999	172	6532308	88.611	ng		0.00
79) Terphenyl-d14	19.928	244	8283873	92.646	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.311	88	41003	4.337	ng		97
3) Pyridine	3.717	79	100002	4.068	ng		97
4) n-Nitrosodimethylamine	3.617	42	36886	4.230	ng	#	98
6) Aniline	7.093	93	153075	5.396	ng		100
8) 2-Chlorophenol	7.328	128	111793	4.382	ng		96
9) Benzaldehyde	6.911	77	103522	7.320	ng		99
10) Phenol	6.964	94	141358	4.538	ng		95
11) bis(2-Chloroethyl)ether	7.187	93	115235	4.697	ng		97
12) 1,3-Dichlorobenzene	7.652	146	124659	4.448	ng		98
13) 1,4-Dichlorobenzene	7.793	146	128081	4.519	ng		98
14) 1,2-Dichlorobenzene	8.111	146	124713	4.585	ng		98
15) Benzyl Alcohol	7.999	79	85609	4.515	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.275	45	127992	5.374	ng		99
17) 2-Methylphenol	8.199	107	80433	4.237	ng		97
18) Hexachloroethane	8.828	117	46364	4.543	ng		93
19) n-Nitroso-di-n-propyla...	8.552	70	82467	4.951	ng		98
20) 3+4-Methylphenols	8.522	107	107720	4.172	ng		94
22) Acetophenone	8.569	105	185667	4.352	ng		98
24) Nitrobenzene	8.946	77	139074	4.749	ng		96
25) Isophorone	9.469	82	211220	4.341	ng		97
26) 2-Nitrophenol	9.658	139	43168	3.200	ng		97
27) 2,4-Dimethylphenol	9.716	122	65627	3.706	ng		98
28) bis(2-Chloroethoxy)met...	9.952	93	153572	4.357	ng		99
29) 2,4-Dichlorophenol	10.193	162	81835	3.386	ng		98
30) 1,2,4-Trichlorobenzene	10.399	180	111255	4.018	ng		97
31) Naphthalene	10.587	128	376432	4.217	ng		100
32) Benzoic acid	9.787	122	37181m	9.177	ng		
33) 4-Chloroaniline	10.699	127	132629	4.218	ng		99
34) Hexachlorobutadiene	10.875	225	65420	4.079	ng		98
35) Caprolactam	11.469	113	22901m	8.060	ng		
36) 4-Chloro-3-methylphenol	11.828	107	85605	3.445	ng		99
37) 2-Methylnaphthalene	12.199	142	256806	4.329	ng		98
38) 1-Methylnaphthalene	12.416	142	239984	4.158	ng		98
40) 1,2,4,5-Tetrachloroben...	12.569	216	128177	4.048	ng		99
41) Hexachlorocyclopentadiene	12.552	237	38622	3.278	ng		99
43) 2,4,6-Trichlorophenol	12.816	196	62582	3.241	ng		98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.887	196	69421	3.287	ng		98
46)	1,1'-Biphenyl	13.216	154	352624	4.403	ng		99
47)	2-Chloronaphthalene	13.251	162	251990	4.162	ng		99
48)	2-Nitroaniline	13.463	65	49292	3.447	ng		93
49)	Acenaphthylene	14.116	152	360403	4.041	ng		99
50)	Dimethylphthalate	13.846	163	298134	4.101	ng		99
51)	2,6-Dinitrotoluene	13.957	165	52457	3.542	ng		94
52)	Acenaphthene	14.457	154	241651	4.207	ng		99
53)	3-Nitroaniline	14.293	138	53653	3.395	ng	#	95
54)	2,4-Dinitrophenol	14.510	184	16660	9.320	ng		97
55)	Dibenzofuran	14.798	168	384539	4.121	ng		99
56)	4-Nitrophenol	14.628	139	33916	2.485	ng		98
57)	2,4-Dinitrotoluene	14.763	165	62010	3.224	ng		92
58)	Fluorene	15.469	166	297169	4.078	ng		99
59)	2,3,4,6-Tetrachlorophenol	15.028	232	60113	3.281	ng		98
60)	Diethylphthalate	15.234	149	287756	3.988	ng		100
61)	4-Chlorophenyl-phenyle...	15.457	204	145214	4.049	ng		98
62)	4-Nitroaniline	15.475	138	51409	5.847	ng		95
63)	Azobenzene	15.757	77	265734	3.930	ng		97
65)	4,6-Dinitro-2-methylph...	15.540	198	26497	7.885	ng		96
66)	n-Nitrosodiphenylamine	15.675	169	237165	3.954	ng		99
67)	4-Bromophenyl-phenylether	16.369	248	85465	3.957	ng		99
68)	Hexachlorobenzene	16.487	284	104574	4.114	ng		99
69)	Atrazine	16.651	200	70193	4.560	ng		99
70)	Pentachlorophenol	16.851	266	40621	2.461	ng		98
71)	Phenanthrene	17.245	178	457871	4.222	ng		100
72)	Anthracene	17.334	178	405728	3.904	ng		99
73)	Carbazole	17.622	167	369049	3.727	ng		99
74)	Di-n-butylphthalate	18.216	149	395601	3.424	ng		100
75)	Fluoranthene	19.328	202	459458	3.746	ng		99
77)	Benzidine	19.534	184	111839	5.187	ng		98
78)	Pyrene	19.704	202	491029	4.369	ng		98
80)	Butylbenzylphthalate	20.657	149	145766	3.385	ng		99
81)	Benzo(a)anthracene	21.633	228	463804	4.181	ng		99
82)	3,3'-Dichlorobenzidine	21.557	252	118083	3.406	ng		100
83)	Chrysene	21.704	228	449987	4.206	ng		98
84)	Bis(2-ethylhexyl)phtha...	21.575	149	210841	3.229	ng		97
85)	Di-n-octyl phthalate	22.869	149	273188	2.617	ng		98
87)	Indeno(1,2,3-cd)pyrene	28.874	276	455559m	3.824	ng		
88)	Benzo(b)fluoranthene	23.951	252	401852	3.779	ng		98
89)	Benzo(k)fluoranthene	24.022	252	415541	4.014	ng		98
90)	Benzo(a)pyrene	24.869	252	352713	3.908	ng	#	98
91)	Dibenzo(a,h)anthracene	28.968	278	379041	3.784	ng		98
92)	Benzo(g,h,i)perylene	30.056	276	360006	3.542	ng		98

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

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