Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141324.D
Acq On : 31 Jan 2025 11:35
Operator : RC/JU
Sample : Q1168-09
Misc : MDL-MDL-WATER 8PPM
ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 12:01:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	178410	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	721814	20.000	ng		0.00
39) Acenaphthene-d10	9.834	164	390598	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	668753	20.000	ng		0.00
76) Chrysene-d12	13.963	240	413173	20.000	ng		-0.01
86) Perylene-d12	15.427	264	355054	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	1211815	104.276	ng		0.00
7) Phenol-d6	6.434	99	1681698	113.753	ng		0.00
23) Nitrobenzene-d5	7.363	82	1137533	83.078	ng		0.00
42) 2,4,6-Tribromophenol	10.628	330	429459	119.931	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1921458	75.717	ng		0.00
79) Terphenyl-d14	12.916	244	2033058	75.885	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	40355	7.896	ng		98
3) Pyridine	3.252	79	94264	7.655	ng		96
4) n-Nitrosodimethylamine	3.152	42	58785	8.356	ng	#	97
6) Aniline	6.463	93	144547	11.551	ng		99
8) 2-Chlorophenol	6.587	128	109065	8.756	ng		98
9) Benzaldehyde	6.351	77	91342	10.667	ng		98
10) Phenol	6.446	94	140043	8.936	ng		84
11) bis(2-Chloroethyl)ether	6.540	93	109117	9.081	ng		99
12) 1,3-Dichlorobenzene	6.740	146	112497	8.191	ng		98
13) 1,4-Dichlorobenzene	6.816	146	116124	8.417	ng		98
14) 1,2-Dichlorobenzene	6.969	146	107255	8.302	ng		97
15) Benzyl Alcohol	6.934	79	109677	10.856	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	199113	9.529	ng		99
17) 2-Methylphenol	7.045	107	87362	8.630	ng		99
18) Hexachloroethane	7.310	117	41626	8.178	ng		99
19) n-Nitroso-di-n-propyla...	7.210	70	82767	9.422	ng		99
20) 3+4-Methylphenols	7.204	107	114487	9.211	ng	#	81
22) Acetophenone	7.204	105	167408	9.757	ng		98
24) Nitrobenzene	7.381	77	121465	8.560	ng		99
25) Isophorone	7.616	82	220764	9.327	ng		99
26) 2-Nitrophenol	7.692	139	58049	8.674	ng		98
27) 2,4-Dimethylphenol	7.728	122	51350m	6.029	ng		
28) bis(2-Chloroethoxy)met...	7.828	93	136926	9.070	ng		99
29) 2,4-Dichlorophenol	7.934	162	93192	8.937	ng		98
30) 1,2,4-Trichlorobenzene	8.022	180	103979	8.731	ng		99
31) Naphthalene	8.104	128	341895	8.966	ng		99
32) Benzoic acid	7.804	122	53628m	6.849	ng		
33) 4-Chloroaniline	8.151	127	130388	10.084	ng		99
34) Hexachlorobutadiene	8.222	225	57552	8.241	ng		99
35) Caprolactam	8.487	113	29426	8.641	ng		97
36) 4-Chloro-3-methylphenol	8.628	107	104095	9.306	ng		100
37) 2-Methylnaphthalene	8.792	142	223763	9.233	ng		98
38) 1-Methylnaphthalene	8.892	142	207161	8.702	ng		98
40) 1,2,4,5-Tetrachloroben...	8.957	216	103346	9.300	ng		99
41) Hexachlorocyclopentadiene	8.945	237	19997	6.093	ng		98
43) 2,4,6-Trichlorophenol	9.069	196	63646	8.751	ng		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	67002	8.464	ng	98
46) 1,1'-Biphenyl	9.257	154	293630	9.639	ng	99
47) 2-Chloronaphthalene	9.281	162	209547	8.825	ng	97
48) 2-Nitroaniline	9.375	65	66600	8.918	ng	98
49) Acenaphthylene	9.692	152	326842	9.834	ng	100
50) Dimethylphthalate	9.551	163	244791	9.279	ng	100
51) 2,6-Dinitrotoluene	9.616	165	50146	8.187	ng	100
52) Acenaphthene	9.869	154	215946	9.095	ng	100
53) 3-Nitroaniline	9.781	138	53898	8.978	ng	98
54) 2,4-Dinitrophenol	9.892	184	18021	6.329	ng	94
55) Dibenzofuran	10.039	168	295157	9.287	ng	99
56) 4-Nitrophenol	9.939	139	37455	8.531	ng	96
57) 2,4-Dinitrotoluene	10.016	165	72513	9.143	ng	98
58) Fluorene	10.381	166	231042	9.372	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	57154	9.177	ng	99
60) Diethylphthalate	10.257	149	235155	9.193	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	111835	9.287	ng	99
62) 4-Nitroaniline	10.392	138	47624	8.069	ng	99
63) Azobenzene	10.539	77	238981	9.334	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	32552	8.229	ng	99
66) n-Nitrosodiphenylamine	10.492	169	200841	9.285	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	66746	8.915	ng	97
68) Hexachlorobenzene	10.928	284	70013	8.816	ng	97
69) Atrazine	11.022	200	66081	9.137	ng	96
70) Pentachlorophenol	11.128	266	38462	8.270	ng	99
71) Phenanthrene	11.345	178	346750	9.646	ng	99
72) Anthracene	11.398	178	329348	9.350	ng	100
73) Carbazole	11.551	167	290574	9.303	ng	99
74) Di-n-butylphthalate	11.886	149	370662	9.793	ng	99
75) Fluoranthene	12.533	202	349208	9.838	ng	100
77) Benzidine	12.663	184	53784	4.060	ng	99
78) Pyrene	12.763	202	364782	9.198	ng	99
80) Butylbenzylphthalate	13.386	149	133192	9.613	ng	100
81) Benzo(a)anthracene	13.951	228	247879	8.694	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	74428	8.208	ng	99
83) Chrysene	13.992	228	250953	9.604	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	175735	9.998	ng	99
85) Di-n-octyl phthalate	14.574	149	251475	9.212	ng	99
87) Indeno(1,2,3-cd)pyrene	16.862	276	204934	8.943	ng	99
88) Benzo(b)fluoranthene	14.998	252	215961	9.670	ng	99
89) Benzo(k)fluoranthene	15.027	252	190434	9.625	ng	99
90) Benzo(a)pyrene	15.363	252	184762	9.790	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	161975	8.785	ng	99
92) Benzo(g,h,i)perylene	17.298	276	161302	8.414	ng	99

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

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