Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141323.D
Acq On : 31 Jan 2025 11:08
Operator : RC/JU
Sample : Q1168-09
Misc : MDL-MDL-WATER 4PPM
ALS Vial : 6 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 11:40:04 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	161766	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	646039	20.000	ng		0.00
39) Acenaphthene-d10	9.833	164	354276	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	604042	20.000	ng		0.00
76) Chrysene-d12	13.963	240	394401	20.000	ng		-0.01
86) Perylene-d12	15.427	264	339481	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	1102553	104.635	ng		0.00
7) Phenol-d6	6.428	99	1447693	108.000	ng		-0.01
23) Nitrobenzene-d5	7.363	82	1000081	81.606	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	361189	111.207	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1701617	73.929	ng		0.00
79) Terphenyl-d14	12.916	244	1845041	72.145	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	19179	4.139	ng		96
3) Pyridine	3.275	79	36813	3.297	ng		97
4) n-Nitrosodimethylamine	3.157	42	24898	3.903	ng	#	98
6) Aniline	6.463	93	59342	5.230	ng		99
8) 2-Chlorophenol	6.581	128	47628	4.217	ng	#	78
9) Benzaldehyde	6.345	77	40239	5.183	ng		97
10) Phenol	6.439	94	62921	4.428	ng	#	60
11) bis(2-Chloroethyl)ether	6.534	93	50869	4.669	ng		97
12) 1,3-Dichlorobenzene	6.739	146	51598	4.144	ng		98
13) 1,4-Dichlorobenzene	6.816	146	53043	4.240	ng		98
14) 1,2-Dichlorobenzene	6.969	146	49625	4.236	ng		98
15) Benzyl Alcohol	6.939	79	50937	5.560	ng		95
16) 2,2'-oxybis(1-Chloropr...	7.069	45	86229	4.551	ng		99
17) 2-Methylphenol	7.045	107	36179	3.941	ng		99
18) Hexachloroethane	7.310	117	18398	3.987	ng		95
19) n-Nitroso-di-n-propyla...	7.204	70	33981	4.266	ng		97
20) 3+4-Methylphenols	7.198	107	47702	4.233	ng	#	81
22) Acetophenone	7.204	105	71492	4.656	ng		97
24) Nitrobenzene	7.381	77	55468	4.368	ng		99
25) Isophorone	7.610	82	91400	4.315	ng		98
26) 2-Nitrophenol	7.692	139	23229	3.878	ng		96
27) 2,4-Dimethylphenol	7.728	122	17807m	2.336	ng		
28) bis(2-Chloroethoxy)met...	7.828	93	58594	4.336	ng		98
29) 2,4-Dichlorophenol	7.934	162	36601	3.922	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	44945	4.217	ng		99
31) Naphthalene	8.098	128	146237	4.285	ng		99
32) Benzoic acid	7.786	122	18215m	2.599	ng		
33) 4-Chloroaniline	8.151	127	54500	4.709	ng		98
34) Hexachlorobutadiene	8.222	225	24388	3.902	ng		98
35) Caprolactam	8.475	113	12161	3.990	ng		97
36) 4-Chloro-3-methylphenol	8.628	107	49447	4.939	ng		100
37) 2-Methylnaphthalene	8.792	142	94454	4.354	ng		99
38) 1-Methylnaphthalene	8.892	142	86324	4.051	ng		98
40) 1,2,4,5-Tetrachloroben...	8.957	216	44460	4.411	ng		99
41) Hexachlorocyclopentadiene	8.945	237	6792	2.282	ng		91
43) 2,4,6-Trichlorophenol	9.069	196	26117	3.959	ng		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	28624	3.987	ng		97
46) 1,1'-Biphenyl	9.257	154	127891	4.629	ng		99
47) 2-Chloronaphthalene	9.280	162	88419	4.106	ng		98
48) 2-Nitroaniline	9.375	65	25875	3.820	ng		98
49) Acenaphthylene	9.692	152	137701	4.568	ng		100
50) Dimethylphthalate	9.551	163	102293	4.275	ng		99
51) 2,6-Dinitrotoluene	9.616	165	21524	3.874	ng		99
52) Acenaphthene	9.863	154	96307	4.472	ng		100
53) 3-Nitroaniline	9.780	138	21034	3.863	ng		92
54) 2,4-Dinitrophenol	9.892	184	5085	1.969	ng		96
55) Dibenzofuran	10.039	168	127742	4.431	ng		98
56) 4-Nitrophenol	9.945	139	17976	4.514	ng		97
57) 2,4-Dinitrotoluene	10.016	165	32312	4.492	ng		98
58) Fluorene	10.380	166	100962	4.515	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	23662	4.189	ng	#	97
60) Diethylphthalate	10.257	149	100965	4.352	ng		99
61) 4-Chlorophenyl-phenyle...	10.375	204	48250	4.417	ng		99
62) 4-Nitroaniline	10.392	138	19551	3.652	ng		95
63) Azobenzene	10.539	77	100535	4.329	ng		98
65) 4,6-Dinitro-2-methylph...	10.427	198	10842	3.035	ng		97
66) n-Nitrosodiphenylamine	10.492	169	86790	4.442	ng		97
67) 4-Bromophenyl-phenylether	10.869	248	28683	4.242	ng		98
68) Hexachlorobenzene	10.927	284	30578	4.263	ng		97
69) Atrazine	11.016	200	27088	4.147	ng		96
70) Pentachlorophenol	11.127	266	19036	4.532	ng		99
71) Phenanthrene	11.345	178	153362	4.723	ng		99
72) Anthracene	11.398	178	147018	4.621	ng		98
73) Carbazole	11.551	167	127352	4.514	ng		99
74) Di-n-butylphthalate	11.886	149	166179	4.861	ng		99
75) Fluoranthene	12.533	202	155498	4.850	ng		99
77) Benzidine	12.663	184	23520	1.860	ng		97
78) Pyrene	12.763	202	186564	4.928	ng		99
80) Butylbenzylphthalate	13.386	149	60051	4.540	ng		99
81) Benzo(a)anthracene	13.951	228	114108	4.193	ng		99
82) 3,3'-Dichlorobenzidine	13.921	252	29780	3.440	ng		99
83) Chrysene	13.986	228	112125	4.495	ng		99
84) Bis(2-ethylhexyl)phtha...	13.951	149	80713	4.811	ng		97
85) Di-n-octyl phthalate	14.574	149	111935	4.295	ng		100
87) Indeno(1,2,3-cd)pyrene	16.868	276	84295	3.847	ng		100
88) Benzo(b)fluoranthene	15.004	252	92973	4.354	ng		99
89) Benzo(k)fluoranthene	15.027	252	86566	4.576	ng		99
90) Benzo(a)pyrene	15.362	252	78515	4.351	ng		99
91) Dibenzo(a,h)anthracene	16.886	278	66271	3.759	ng		99
92) Benzo(g,h,i)perylene	17.298	276	68083	3.714	ng		97

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

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