Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141571.D
Acq On : 11 Feb 2025 19:19
Operator : RC/JU
Sample : Q1346-01MSD 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 12 00:06:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.787	152	83772	20.000	ng		0.00
21) Naphthalene-d8	8.069	136	328052	20.000	ng		0.00
39) Acenaphthene-d10	9.822	164	164070	20.000	ng		-0.01
64) Phenanthrene-d10	11.310	188	249795	20.000	ng		0.00
76) Chrysene-d12	13.951	240	197334	20.000	ng		-0.01
86) Perylene-d12	15.404	264	207858	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	283348	53.027	ng		0.00
7) Phenol-d6	6.434	99	349516	51.752	ng		0.00
23) Nitrobenzene-d5	7.346	82	232412	36.952	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	81187	49.259	ng		-0.02
45) 2-Fluorobiphenyl	9.140	172	376098	35.316	ng		-0.01
79) Terphenyl-d14	12.892	244	314813	26.932	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.516	88	49007	22.787	ng		99
3) Pyridine	3.246	79	102768	20.081	ng		99
4) n-Nitrosodimethylamine	3.187	42	71076	20.975	ng		98
6) Aniline	6.446	93	3835m	0.605	ng		
8) 2-Chlorophenol	6.581	128	129132	22.365	ng		99
9) Benzaldehyde	6.334	77	68047	18.960	ng		98
10) Phenol	6.446	94	150950	21.474	ng	#	77
11) bis(2-Chloroethyl)ether	6.516	93	208981	39.581	ng		88
12) 1,3-Dichlorobenzene	6.728	146	140599	23.066	ng		97
13) 1,4-Dichlorobenzene	6.804	146	139673	22.427	ng		99
14) 1,2-Dichlorobenzene	6.957	146	132997	23.009	ng		98
15) Benzyl Alcohol	6.934	79	103519	19.988	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	199591	22.084	ng		74
17) 2-Methylphenol	7.051	107	97850	21.656	ng		95
18) Hexachloroethane	7.298	117	50975	22.116	ng		97
19) n-Nitroso-di-n-propyla...	7.193	70	89752	22.217	ng		100
20) 3+4-Methylphenols	7.210	107	132251	23.031	ng	#	61
22) Acetophenone	7.193	105	200139	24.525	ng		92
24) Nitrobenzene	7.369	77	131831	21.495	ng		98
25) Isophorone	7.604	82	231068	23.041	ng		100
26) 2-Nitrophenol	7.687	139	65611	21.502	ng		93
27) 2,4-Dimethylphenol	7.728	122	100640	28.233	ng		98
28) bis(2-Chloroethoxy)met...	7.816	93	147555	22.962	ng		98
29) 2,4-Dichlorophenol	7.940	162	104751	21.749	ng		98
30) 1,2,4-Trichlorobenzene	8.010	180	115553	22.032	ng		100
31) Naphthalene	8.087	128	380551	22.285	ng		100
32) Benzoic acid	7.834	122	68982	18.631	ng		99
33) 4-Chloroaniline	8.157	127	48852	8.194	ng		99
34) Hexachlorobutadiene	8.204	225	70833	22.496	ng		100
35) Caprolactam	8.492	113	34157	23.293	ng		97
36) 4-Chloro-3-methylphenol	8.634	107	114348	21.433	ng		99
37) 2-Methylnaphthalene	8.781	142	238216	21.437	ng		100
38) 1-Methylnaphthalene	8.881	142	231718	21.530	ng		98
40) 1,2,4,5-Tetrachloroben...	8.945	216	126679	26.688	ng		98
41) Hexachlorocyclopentadiene	8.934	237	75410	47.764	ng		99
43) 2,4,6-Trichlorophenol	9.063	196	70825	23.086	ng		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	75800	22.798	ng		98
46) 1,1'-Biphenyl	9.245	154	339368	26.680	ng		100
47) 2-Chloronaphthalene	9.269	162	224338	23.850	ng		98
48) 2-Nitroaniline	9.369	65	71507	22.652	ng		96
49) Acenaphthylene	9.681	152	346346	24.756	ng		99
50) Dimethylphthalate	9.539	163	262095	23.531	ng		99
51) 2,6-Dinitrotoluene	9.604	165	55607	22.837	ng		98
52) Acenaphthene	9.851	154	233848	24.863	ng		99
53) 3-Nitroaniline	9.775	138	33342	12.723	ng		99
54) 2,4-Dinitrophenol	9.886	184	41372	28.589	ng		99
55) Dibenzofuran	10.028	168	323124	23.405	ng		100
56) 4-Nitrophenol	9.951	139	79341	40.783	ng		97
57) 2,4-Dinitrotoluene	10.010	165	72995	22.519	ng		95
58) Fluorene	10.369	166	256220	24.003	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	57687	20.153	ng		97
60) Diethylphthalate	10.239	149	253426	23.125	ng		100
61) 4-Chlorophenyl-phenyle...	10.363	204	120532	23.471	ng		97
62) 4-Nitroaniline	10.386	138	43410	16.313	ng		98
63) Azobenzene	10.522	77	267509	24.555	ng		91
65) 4,6-Dinitro-2-methylph...	10.422	198	27822	16.034	ng		98
66) n-Nitrosodiphenylamine	10.481	169	201833	25.241	ng		99
67) 4-Bromophenyl-phenylether	10.851	248	69330	24.834	ng		98
68) Hexachlorobenzene	10.916	284	70275	24.445	ng		98
69) Atrazine	11.010	200	74213	30.937	ng		98
70) Pentachlorophenol	11.116	266	70505	38.356	ng		99
71) Phenanthrene	11.333	178	580759	42.237	ng		100
72) Anthracene	11.381	178	403967	29.226	ng		100
73) Carbazole	11.539	167	301075	24.208	ng		100
74) Di-n-butylphthalate	11.869	149	360369	25.094	ng		100
75) Fluoranthene	12.522	202	669711	45.941	ng		100
77) Benzidine	12.645	184	104380	23.984	ng		99
78) Pyrene	12.751	202	635519	37.832	ng		100
80) Butylbenzylphthalate	13.369	149	136266	23.419	ng		99
81) Benzo(a)anthracene	13.939	228	499542	38.082	ng		99
82) 3,3'-Dichlorobenzidine	13.904	252	86661	23.063	ng		99
83) Chrysene	13.974	228	445397	36.773	ng		99
84) Bis(2-ethylhexyl)phtha...	13.927	149	186270	28.385	ng		100
85) Di-n-octyl phthalate	14.545	149	315092	33.657	ng	#	99
87) Indeno(1,2,3-cd)pyrene	16.839	276	320232	24.934	ng		99
88) Benzo(b)fluoranthene	14.986	252	485432	34.781	ng		99
89) Benzo(k)fluoranthene	15.010	252	373059m	31.303	ng		
90) Benzo(a)pyrene	15.345	252	409943	36.300	ng		99
91) Dibenzo(a,h)anthracene	16.851	278	229023	22.007	ng		99
92) Benzo(g,h,i)perylene	17.274	276	236150	21.684	ng		100

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

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