Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
Data File : BF130347.D
Acq On : 20 Sep 2022 16:42
Operator : CG\JU
Sample : N4700-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOILMSD

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022

Quant Time: Sep 21 05:15:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 19 15:06:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.657	152	89577	20.000	ng		0.00
21) Naphthalene-d8	7.945	136	331680	20.000	ng	#	0.00
39) Acenaphthene-d10	9.692	164	155247	20.000	ng		0.00
64) Phenanthrene-d10	11.169	188	223238	20.000	ng		0.00
76) Chrysene-d12	13.804	240	167207	20.000	ng		0.00
86) Perylene-d12	15.198	264	198240	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.269	112	587825	113.820	ng		0.01
7) Phenol-d6	6.310	99	702539	108.718	ng		0.01
23) Nitrobenzene-d5	7.228	82	450826	69.440	ng		0.00
42) 2,4,6-Tribromophenol	10.480	330	173904	116.905	ng		0.00
45) 2-Fluorobiphenyl	9.022	172	796437	74.704	ng		0.00
79) Terphenyl-d14	12.757	244	579715	57.431	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.334	88	86728	36.565	ng		97
3) Pyridine	3.022	79	180473m	29.168	ng		
4) n-Nitrosodimethylamine	2.969	42	125497	37.293	ng		94
6) Aniline	6.345	93	82475m	10.358	ng		
8) 2-Chlorophenol	6.445	128	263270	44.750	ng		96
9) Benzaldehyde	6.210	77	153266	35.408	ng		91
10) Phenol	6.322	94	300569	39.690	ng		94
11) bis(2-Chloroethyl)ether	6.404	93	294452m	53.907	ng		
12) 1,3-Dichlorobenzene	6.598	146	294932	45.561	ng		98
13) 1,4-Dichlorobenzene	6.675	146	296452	44.908	ng		98
14) 1,2-Dichlorobenzene	6.828	146	280716	45.522	ng		97
15) Benzyl Alcohol	6.810	79	188116	36.716	ng		96
16) 2,2'-oxybis(1-Chloropr...	6.945	45	312307	39.202	ng		92
17) 2-Methylphenol	6.928	107	199959	41.811	ng		98
18) Hexachloroethane	7.169	117	116248	44.675	ng		98
19) n-Nitroso-di-n-propyla...	7.081	70	177467	40.699	ng		96
20) 3+4-Methylphenols	7.081	107	250731	40.358	ng	#	70
22) Acetophenone	7.075	105	370705	45.715	ng	#	89
24) Nitrobenzene	7.245	77	270603	41.049	ng		97
25) Isophorone	7.487	82	468143	44.739	ng		98
26) 2-Nitrophenol	7.563	139	136307	50.440	ng		92
27) 2,4-Dimethylphenol	7.610	122	221879	53.324	ng		95
28) bis(2-Chloroethoxy)met...	7.704	93	289421	49.120	ng		98
29) 2,4-Dichlorophenol	7.810	162	203689	44.671	ng		96
30) 1,2,4-Trichlorobenzene	7.886	180	223169	45.270	ng		95
31) Naphthalene	7.963	128	733685	42.936	ng		100
32) Benzoic acid	7.739	122	138538	43.054	ng		94
33) 4-Chloroaniline	8.069	127	124497	19.156	ng		98
34) Hexachlorobutadiene	8.081	225	145487	46.178	ng		99
35) Caprolactam	8.392	113	58976m	45.117	ng		
36) 4-Chloro-3-methylphenol	8.510	107	213311	42.206	ng		98
37) 2-Methylnaphthalene	8.657	142	465377	42.715	ng		98
38) 1-Methylnaphthalene	8.751	142	439123	41.956	ng		99
40) 1,2,4,5-Tetrachloroben...	8.822	216	214011	50.513	ng		99
41) Hexachlorocyclopentadiene	8.810	237	265131	116.884	ng		99
43) 2,4,6-Trichlorophenol	8.933	196	132782	44.906	ng		95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	8.981	196	141354	44.301	ng		97
46) 1,1'-Biphenyl	9.122	154	562479	48.512	ng		97
47) 2-Chloronaphthalene	9.139	162	429700	45.814	ng		99
48) 2-Nitroaniline	9.245	65	125423	40.093	ng		91
49) Acenaphthylene	9.557	152	642137	45.662	ng		100
50) Dimethylphthalate	9.428	163	483570	45.093	ng		99
51) 2,6-Dinitrotoluene	9.486	165	102599	45.747	ng	#	83
52) Acenaphthene	9.728	154	447317m	48.413	ng		
53) 3-Nitroaniline	9.657	138	86373	34.562	ng		97
54) 2,4-Dinitrophenol	9.763	184	107376	87.612	ng	#	80
55) Dibenzofuran	9.898	168	556728	43.319	ng		99
56) 4-Nitrophenol	9.828	139	144708	79.501	ng		89
57) 2,4-Dinitrotoluene	9.886	165	128434	44.809	ng		88
58) Fluorene	10.239	166	436618	41.542	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.022	232	101850	40.781	ng		95
60) Diethylphthalate	10.122	149	460920	42.861	ng		100
61) 4-Chlorophenyl-phenyle...	10.233	204	206081	44.696	ng		96
62) 4-Nitroaniline	10.263	138	93082	37.077	ng		95
63) Azobenzene	10.392	77	421094	38.028	ng		99
65) 4,6-Dinitro-2-methylph...	10.286	198	62297	50.131	ng		97
66) n-Nitrosodiphenylamine	10.357	169	362084	48.537	ng		100
67) 4-Bromophenyl-phenylether	10.722	248	122369	49.690	ng		98
68) Hexachlorobenzene	10.780	284	134003	48.002	ng		95
69) Atrazine	10.886	200	105029	48.177	ng		96
70) Pentachlorophenol	10.980	266	132994	88.768	ng		98
71) Phenanthrene	11.198	178	624589	49.834	ng		100
72) Anthracene	11.251	178	558322	46.161	ng		99
73) Carbazole	11.410	167	481099	44.074	ng		99
74) Di-n-butylphthalate	11.745	149	613067	46.575	ng		99
75) Fluoranthene	12.380	202	648568	53.552	ng		98
77) Benzidine	12.521	184	17360	3.577	ng		96
78) Pyrene	12.610	202	661647	45.234	ng		99
80) Butylbenzylphthalate	13.239	149	223254	41.200	ng		93
81) Benzo(a)anthracene	13.792	228	590412	53.078	ng		99
82) 3,3'-Dichlorobenzidine	13.763	252	164214	54.233	ng		100
83) Chrysene	13.833	228	555222	52.569	ng		99
84) Bis(2-ethylhexyl)phtha...	13.798	149	312306	50.316	ng	#	98
85) Di-n-octyl phthalate	14.410	149	542781	57.174	ng		97
87) Indeno(1,2,3-cd)pyrene	16.527	276	709567	50.474	ng		98
88) Benzo(b)fluoranthene	14.810	252	725710	56.087	ng		99
89) Benzo(k)fluoranthene	14.833	252	577317	45.358	ng		99
90) Benzo(a)pyrene	15.145	252	619243m	60.409	ng		
91) Dibenzo(a,h)anthracene	16.545	278	575306	49.885	ng		99
92) Benzo(g,h,i)perylene	16.933	276	595734	51.280	ng		100

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

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