Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122985.D
Acq On : 18 Jan 2021 13:25
Operator : JU/CG
Sample : M1100-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARKMSD

Manual Integrations APPROVED
mohammad
1/20/2021 2:15:20 PM

Quant Time: Jan 18 13:49:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 18 13:14:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	241621	20.00	ng		0.00
21) Naphthalene-d8	8.181	136	957008	20.00	ng		# 0.00
39) Acenaphthene-d10	9.939	164	418439	20.00	ng		0.00
64) Phenanthrene-d10	11.428	188	683647	20.00	ng		# 0.00
76) Chrysene-d12	14.074	240	515727	20.00	ng		# 0.00
86) Perylene-d12	15.551	264	438450	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1356585	84.87	ng		0.00
7) Phenol-d6	6.516	99	1780830	82.90	ng		0.00
23) Nitrobenzene-d5	7.457	82	1103898	59.36	ng		0.00
42) 2,4,6-Tribromophenol	10.728	330	358188	75.70	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1749795	58.56	ng		0.00
79) Terphenyl-d14	13.016	244	1471972	52.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.746	88	275780	35.52	ng	#	79
3) Pyridine	3.505	79	863089	41.08	ng	#	81
4) n-Nitrosodimethylamine	3.452	42	418193	44.59	ng		86
6) Aniline	6.557	93	531864	20.52	ng		95
8) 2-Chlorophenol	6.681	128	786047	46.57	ng		95
9) Benzaldehyde	6.440	77	125669	8.90	ng		96
10) Phenol	6.534	94	1032504m	47.86	ng		
11) bis(2-Chloroethyl)ether	6.628	93	803777	46.01	ng		90
12) 1,3-Dichlorobenzene	6.840	146	835446	42.76	ng		97
13) 1,4-Dichlorobenzene	6.916	146	839757	42.69	ng		98
14) 1,2-Dichlorobenzene	7.069	146	807918	44.03	ng		98
15) Benzyl Alcohol	7.034	79	692557	45.74	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1290845	42.40	ng		92
17) 2-Methylphenol	7.145	107	656575	45.85	ng		98
18) Hexachloroethane	7.410	117	307984	43.32	ng		89
19) n-Nitroso-di-n-propyla...	7.310	70	559759	43.99	ng		90
20) 3+4-Methylphenols	7.293	107	805529	44.97	ng	#	82
22) Acetophenone	7.304	105	1023905	42.54	ng		95
24) Nitrobenzene	7.475	77	858882	45.06	ng		96
25) Isophorone	7.716	82	1457352	43.92	ng		99
26) 2-Nitrophenol	7.792	139	382269	44.40	ng		95
27) 2,4-Dimethylphenol	7.828	122	676225	49.32	ng		99
28) bis(2-Chloroethoxy)met...	7.928	93	909381	40.54	ng		100
29) 2,4-Dichlorophenol	8.034	162	609253	42.56	ng		97
30) 1,2,4-Trichlorobenzene	8.122	180	614508	40.30	ng		99
31) Naphthalene	8.204	128	2051521	41.70	ng		100
32) Benzoic acid	7.945	122	503327	43.69	ng		98
33) 4-Chloroaniline	8.245	127	203691	9.49	ng		96
34) Hexachlorobutadiene	8.322	225	329912	39.58	ng		99
35) Caprolactam	8.616	113	205556m	42.25	ng		
36) 4-Chloro-3-methylphenol	8.728	107	667115	43.82	ng		98
37) 2-Methylnaphthalene	8.892	142	1470812	43.34	ng		98
38) 1-Methylnaphthalene	8.992	142	1362799	42.52	ng		100
40) 1,2,4,5-Tetrachloroben...	9.063	216	533941	46.48	ng	#	96
41) Hexachlorocyclopentadiene	9.051	237	668377	119.78	ng		100
43) 2,4,6-Trichlorophenol	9.169	196	426356	49.79	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	437777	50.39	ng		95
46) 1,1'-Biphenyl	9.357	154	1556643	45.74	ng		97
47) 2-Chloronaphthalene	9.386	162	1235018	43.50	ng		96
48) 2-Nitroaniline	9.475	65	395121	40.83	ng	#	76
49) Acenaphthylene	9.804	152	1634039	39.45	ng		100
50) Dimethylphthalate	9.663	163	1434342	44.16	ng		100
51) 2,6-Dinitrotoluene	9.716	165	279051	39.28	ng	#	71
52) Acenaphthene	9.975	154	1238597	46.26	ng		99
53) 3-Nitroaniline	9.881	138	160330	18.26	ng		88
54) 2,4-Dinitrophenol	9.992	184	280737	70.82	ng	#	87
55) Dibenzofuran	10.145	168	1668988	44.72	ng		98
56) 4-Nitrophenol	10.045	139	597550	92.32	ng	#	87
57) 2,4-Dinitrotoluene	10.122	165	435997	47.71	ng		90
58) Fluorene	10.492	166	1220975	41.83	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	319416	46.06	ng	#	82
60) Diethylphthalate	10.363	149	1253323	39.71	ng		97
61) 4-Chlorophenyl-phenyle...	10.481	204	511379	38.96	ng		90
62) 4-Nitroaniline	10.504	138	309232	35.70	ng		94
63) Azobenzene	10.639	77	1359288	43.04	ng		91
65) 4,6-Dinitro-2-methylph...	10.528	198	190174	49.39	ng	#	64
66) n-Nitrosodiphenylamine	10.598	169	1132164	44.36	ng		98
67) 4-Bromophenyl-phenylether	10.969	248	325450	38.94	ng	#	88
68) Hexachlorobenzene	11.039	284	368928	38.60	ng		94
69) Atrazine	11.122	200	261667	38.51	ng		95
70) Pentachlorophenol	11.228	266	439729	87.48	ng		99
71) Phenanthrene	11.451	178	1820484	44.43	ng		100
72) Anthracene	11.504	178	1742605	43.04	ng		100
73) Carbazole	11.657	167	1671833	42.60	ng		99
74) Di-n-butylphthalate	11.992	149	1946191	41.90	ng		99
75) Fluoranthene	12.645	202	1701961	41.06	ng		98
77) Benzidine	12.757	184	421073	30.83	ng		100
78) Pyrene	12.874	202	1674408	40.55	ng		99
80) Butylbenzylphthalate	13.492	149	887872	47.97	ng		92
81) Benzo(a)anthracene	14.063	228	1467173	42.51	ng		99
82) 3,3'-Dichlorobenzidine	14.021	252	263855	23.35	ng	#	97
83) Chrysene	14.104	228	1455923	41.82	ng		99
84) Bis(2-ethylhexyl)phtha...	14.057	149	1199245	48.60	ng		99
85) Di-n-octyl phthalate	14.668	149	1917921	48.06	ng	#	91
87) Indeno(1,2,3-cd)pyrene	17.045	276	1318851	47.75	ng	#	94
88) Benzo(b)fluoranthene	15.121	252	1312279	44.35	ng		98
89) Benzo(k)fluoranthene	15.151	252	1243130	40.97	ng		99
90) Benzo(a)pyrene	15.486	252	1217085	45.53	ng	#	96
91) Dibenzo(a,h)anthracene	17.062	278	1083904	47.89	ng	#	97
92) Benzo(g,h,i)perylene	17.492	276	1173188	53.55	ng	#	95

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

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