Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071321\
Data File : BF124550.D
Acq On : 13 Jul 2021 17:31
Operator : JU/CG
Sample : M2940-02
Misc : LOQ-SOIL-5ppm
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations APPROVED
mohammad
7/14/2021 12:15:51 PM

Quant Time: Jul 13 17:58:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 13 14:57:42 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	8871	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	33477	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	18217	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	32763	20.000	ng	0.00
76) Chrysene-d12	14.092	240	21725	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	15956	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	58112	113.497	ng	0.01
7) Phenol-d6	6.551	99	70638	113.408	ng	0.00
23) Nitrobenzene-d5	7.492	82	39482	74.451	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	16683	117.683	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	94232	75.431	ng	0.00
79) Terphenyl-d14	13.045	244	96431	74.535	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.816	88	587	3.505	ng	# 100
3) Pyridine	3.610	79	2374	5.527	ng	# 85
4) n-Nitrosodimethylamine	3.504	42	1352	3.873	ng	87
6) Aniline	6.592	93	2998	4.568	ng	96
8) 2-Chlorophenol	6.710	128	2519	4.388	ng	94
9) Benzaldehyde	6.475	77	1576	4.313	ng	# 80
10) Phenol	6.563	94	2310	3.799	ng	97
11) bis(2-Chloroethyl)ether	6.657	93	2105	4.465	ng	89
12) 1,3-Dichlorobenzene	6.869	146	3091m	4.920	ng	
13) 1,4-Dichlorobenzene	6.945	146	3078	4.797	ng	95
14) 1,2-Dichlorobenzene	7.098	146	2610	4.280	ng	97
15) Benzyl Alcohol	7.057	79	2309m	5.358	ng	
16) 2,2'-oxybis(1-Chloropr...	7.192	45	3819	4.700	ng	90
17) 2-Methylphenol	7.157	107	1683	4.006	ng	91
18) Hexachloroethane	7.439	117	1100	4.552	ng	92
19) n-Nitroso-di-n-propyla...	7.328	70	1388	3.964	ng	# 96
20) 3+4-Methylphenols	7.310	107	2227	4.026	ng	# 83
22) Acetophenone	7.328	105	3843	5.058	ng	# 93
24) Nitrobenzene	7.504	77	2221	4.224	ng	# 97
25) Isophorone	7.739	82	4077	4.188	ng	# 93
26) 2-Nitrophenol	7.816	139	1197	4.220	ng	95
27) 2,4-Dimethylphenol	7.845	122	2413	5.134	ng	94
28) bis(2-Chloroethoxy)met...	7.951	93	2514	4.427	ng	96
29) 2,4-Dichlorophenol	8.051	162	2018	4.162	ng	95
30) 1,2,4-Trichlorobenzene	8.145	180	2567	4.784	ng	90
31) Naphthalene	8.227	128	7531	4.349	ng	95
32) Benzoic acid	7.892	122	846	2.582	ng	# 76
33) 4-Chloroaniline	8.269	127	3210	4.906	ng	98
34) Hexachlorobutadiene	8.345	225	1293	4.270	ng	# 87
35) Caprolactam	8.610	113	319	2.601	ng	# 72
36) 4-Chloro-3-methylphenol	8.739	107	2069	4.316	ng	90
37) 2-Methylnaphthalene	8.916	142	5466	4.678	ng	94
38) 1-Methylnaphthalene	9.016	142	4960	4.520	ng	98
40) 1,2,4,5-Tetrachloroben...	9.080	216	2196	4.520	ng	97
41) Hexachlorocyclopentadiene	9.074	237	1746	5.753	ng	87
43) 2,4,6-Trichlorophenol	9.186	196	1442	4.111	ng	89

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.222	196	1461	4.038	ng		97
46) 1,1'-Biphenyl	9.380	154	6643	4.801	ng		98
47) 2-Chloronaphthalene	9.410	162	4886	4.504	ng		94
48) 2-Nitroaniline	9.498	65	1181	4.527	ng		95
49) Acenaphthylene	9.821	152	7973	4.710	ng		100
50) Dimethylphthalate	9.674	163	5847	4.613	ng	#	97
51) 2,6-Dinitrotoluene	9.739	165	1100	4.403	ng		91
52) Acenaphthene	9.998	154	4578	4.229	ng		95
53) 3-Nitroaniline	9.904	138	1224	4.390	ng	#	78
54) 2,4-Dinitrophenol	10.004	184	371	2.846	ng	#	1
55) Dibenzofuran	10.169	168	6951	4.368	ng		98
56) 4-Nitrophenol	10.045	139	844	3.637	ng		90
57) 2,4-Dinitrotoluene	10.139	165	1538	4.496	ng	#	74
58) Fluorene	10.510	166	5722	4.648	ng		96
59) 2,3,4,6-Tetrachlorophenol	10.280	232	1065	3.812	ng	#	84
60) Diethylphthalate	10.380	149	5995	4.524	ng	#	97
61) 4-Chlorophenyl-phenyle...	10.504	204	2933	5.249	ng		96
62) 4-Nitroaniline	10.510	138	1132	4.028	ng	#	83
63) Azobenzene	10.663	77	4966	4.287	ng		98
65) 4,6-Dinitro-2-methylph...	10.545	198	474	2.533	ng		86
66) n-Nitrosodiphenylamine	10.621	169	4740	4.443	ng		95
67) 4-Bromophenyl-phenylether	10.992	248	1419	4.189	ng	#	81
68) Hexachlorobenzene	11.057	284	1479	4.261	ng		93
69) Atrazine	11.139	200	1448	4.432	ng		92
70) Pentachlorophenol	11.245	266	907	4.131	ng	#	89
71) Phenanthrene	11.474	178	8175m	4.574	ng		
72) Anthracene	11.527	178	8385	4.676	ng		98
73) Carbazole	11.674	167	7077	4.271	ng		97
74) Di-n-butylphthalate	12.010	149	9915	4.442	ng		99
75) Fluoranthene	12.662	202	7825	4.339	ng		97
77) Benzidine	12.780	184	4386	5.400	ng		98
78) Pyrene	12.892	202	7886m	4.369	ng		
80) Butylbenzylphthalate	13.509	149	3398	3.894	ng	#	95
81) Benzo(a)anthracene	14.080	228	6287	4.364	ng		96
82) 3,3'-Dichlorobenzidine	14.039	252	2250	5.962	ng		91
83) Chrysene	14.115	228	5778	4.186	ng		98
84) Bis(2-ethylhexyl)phtha...	14.068	149	4847	4.137	ng	#	96
85) Di-n-octyl phthalate	14.686	149	6627	3.909	ng	#	96
87) Indeno(1,2,3-cd)pyrene	17.086	276	3754	4.057	ng	#	75
88) Benzo(b)fluoranthene	15.139	252	4959	4.330	ng		98
89) Benzo(k)fluoranthene	15.168	252	4527	4.308	ng	#	94
90) Benzo(a)pyrene	15.515	252	4016	4.248	ng		93
91) Dibenzo(a,h)anthracene	17.109	278	3437	4.364	ng	#	92
92) Benzo(g,h,i)perylene	17.545	276	3220	4.187	ng	#	88

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

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