

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071321\
 Data File : BF124549.D
 Acq On : 13 Jul 2021 16:59
 Operator : JU/CG
 Sample : M2940-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 7/14/2021 12:15:47 PM

Quant Time: Jul 13 17:21:34 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	6578	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	25769	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	13341	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	24882	20.000	ng	0.00
76) Chrysene-d12	14.092	240	17418	20.000	ng	0.00
86) Perylene-d12	15.586	264	12766	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	48493	127.725	ng	0.00
7) Phenol-d6	6.551	99	59859	129.603	ng	0.00
23) Nitrobenzene-d5	7.492	82	33833	82.882	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	13855	133.455	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	80361	87.839	ng	0.00
79) Terphenyl-d14	13.045	244	85008	81.953	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.799	88	1287	10.364	ng	# 100
3) Pyridine	3.575	79	2659	8.348	ng	97
4) n-Nitrosodimethylamine	3.487	42	2647	10.225	ng	95
6) Aniline	6.593	93	5609	11.526	ng	92
8) 2-Chlorophenol	6.710	128	4288	10.074	ng	97
9) Benzaldehyde	6.481	77	3143	11.599	ng	90
10) Phenol	6.557	94	4745	10.523	ng	95
11) bis(2-Chloroethyl)ether	6.657	93	3950	11.299	ng	99
12) 1,3-Dichlorobenzene	6.869	146	4914	10.548	ng	93
13) 1,4-Dichlorobenzene	6.945	146	5168	10.861	ng	100
14) 1,2-Dichlorobenzene	7.098	146	4961	10.971	ng	97
15) Benzyl Alcohol	7.057	79	3609m	11.293	ng	
16) 2,2'-oxybis(1-Chloropr...	7.198	45	6903	11.456	ng	96
17) 2-Methylphenol	7.157	107	3282	10.534	ng	95
18) Hexachloroethane	7.439	117	1840	10.269	ng	88
19) n-Nitroso-di-n-propyla...	7.328	70	2743	10.563	ng	# 86
20) 3+4-Methylphenols	7.316	107	4122	10.049	ng	# 86
22) Acetophenone	7.328	105	6207	10.614	ng	# 98
24) Nitrobenzene	7.504	77	4086	10.095	ng	94
25) Isophorone	7.739	82	7030	9.381	ng	93
26) 2-Nitrophenol	7.816	139	2136	9.783	ng	# 87
27) 2,4-Dimethylphenol	7.845	122	3971	10.975	ng	87
28) bis(2-Chloroethoxy)met...	7.951	93	4740	10.844	ng	# 96
29) 2,4-Dichlorophenol	8.051	162	3748	10.043	ng	96
30) 1,2,4-Trichlorobenzene	8.145	180	4439	10.748	ng	90
31) Naphthalene	8.228	128	13605	10.208	ng	98
32) Benzoic acid	7.910	122	1828	7.249	ng	# 85
33) 4-Chloroaniline	8.269	127	5469	10.859	ng	96
34) Hexachlorobutadiene	8.345	225	2327	9.982	ng	93
35) Caprolactam	8.610	113	891	9.439	ng	# 88
36) 4-Chloro-3-methylphenol	8.739	107	3569	9.671	ng	99
37) 2-Methylnaphthalene	8.922	142	9048	10.060	ng	99
38) 1-Methylnaphthalene	9.022	142	8934	10.577	ng	88
40) 1,2,4,5-Tetrachloroben...	9.086	216	3976	11.174	ng	100
41) Hexachlorocyclopentadiene	9.075	237	3138	14.118	ng	95
43) 2,4,6-Trichlorophenol	9.192	196	2702	10.518	ng	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.228	196	2457	9.274	ng	94
46) 1,1'-Biphenyl	9.386	154	11478	11.328	ng	97
47) 2-Chloronaphthalene	9.410	162	8727	10.985	ng	97
48) 2-Nitroaniline	9.498	65	2186	11.443	ng	97
49) Acenaphthylene	9.828	152	14034	11.320	ng	97
50) Dimethylphthalate	9.681	163	10147	10.932	ng	# 98
51) 2,6-Dinitrotoluene	9.739	165	2105	11.504	ng	93
52) Acenaphthene	9.998	154	8611	10.863	ng	96
53) 3-Nitroaniline	9.904	138	2122	10.392	ng	# 88
54) 2,4-Dinitrophenol	10.010	184	701	7.342	ng	# 81
55) Dibenzofuran	10.169	168	12663	10.865	ng	99
56) 4-Nitrophenol	10.045	139	1638	9.638	ng	87
57) 2,4-Dinitrotoluene	10.139	165	2765	11.038	ng	# 80
58) Fluorene	10.510	166	9750	10.815	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.281	232	2072	10.126	ng	# 95
60) Diethylphthalate	10.381	149	10444	10.761	ng	97
61) 4-Chlorophenyl-phenyle...	10.504	204	4436	10.841	ng	99
62) 4-Nitroaniline	10.516	138	2302	11.186	ng	89
63) Azobenzene	10.663	77	8671	10.221	ng	95
65) 4,6-Dinitro-2-methylph...	10.545	198	1084	7.626	ng	86
66) n-Nitrosodiphenylamine	10.622	169	7830	9.664	ng	88
67) 4-Bromophenyl-phenylether	10.998	248	2635	10.241	ng	93
68) Hexachlorobenzene	11.057	284	2714	10.296	ng	93
69) Atrazine	11.139	200	2774	11.179	ng	93
70) Pentachlorophenol	11.245	266	1539	9.230	ng	# 87
71) Phenanthrene	11.475	178	13923	10.257	ng	97
72) Anthracene	11.527	178	14511	10.655	ng	100
73) Carbazole	11.680	167	13273	10.548	ng	96
74) Di-n-butylphthalate	12.010	149	17764	10.479	ng	99
75) Fluoranthene	12.663	202	14263	10.414	ng	97
77) Benzidine	12.786	184	8378	12.866	ng	96
78) Pyrene	12.892	202	14105	9.747	ng	96
80) Butylbenzylphthalate	13.510	149	6881	9.834	ng	97
81) Benzo(a)anthracene	14.080	228	11602	10.044	ng	97
82) 3,3'-Dichlorobenzidine	14.045	252	4016	13.272	ng	94
83) Chrysene	14.116	228	11190	10.112	ng	96
84) Bis(2-ethylhexyl)phtha...	14.068	149	8825	9.394	ng	96
85) Di-n-octyl phthalate	14.686	149	11908	8.760	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.092	276	7631	10.307	ng	97
88) Benzo(b)fluoranthene	15.139	252	9447	10.310	ng	95
89) Benzo(k)fluoranthene	15.174	252	8560	10.182	ng	98
90) Benzo(a)pyrene	15.521	252	8203	10.845	ng	# 97
91) Dibenzo(a,h)anthracene	17.109	278	6457	10.246	ng	99
92) Benzo(g,h,i)perylene	17.545	276	6353	10.325	ng	93

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

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