

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061423\
 Data File : BF133755.D
 Acq On : 14 Jun 2023 17:13
 Operator : CG\JU
 Sample : 03114-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MARION-SOIL-0609MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/15/2023
 Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 14 17:51:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 16:27:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	146974	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	546183	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	253784	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	436723	20.000	ng	0.00
76) Chrysene-d12	14.004	240	280396	20.000	ng	0.00
86) Perylene-d12	15.468	264	328524	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	848264	100.476	ng	0.02
7) Phenol-d6	6.469	99	956157	87.009	ng	0.00
23) Nitrobenzene-d5	7.398	82	742463	74.040	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	287513	89.500	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1287268	72.104	ng	0.00
79) Terphenyl-d14	12.951	244	1120112	61.813	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.751	88	110231	29.699	ng	# 80
3) Pyridine	3.463	79	276619	25.570	ng	98
4) n-Nitrosodimethylamine	3.393	42	201791	33.745	ng	100
6) Aniline	6.498	93	261929	18.924	ng	97
8) 2-Chlorophenol	6.616	128	342592	38.507	ng	98
9) Benzaldehyde	6.387	77	133072	18.252	ng	98
10) Phenol	6.481	94	361355	31.491	ng	99
11) bis(2-Chloroethyl)ether	6.569	93	332524	39.034	ng	96
12) 1,3-Dichlorobenzene	6.775	146	362871	38.173	ng	98
13) 1,4-Dichlorobenzene	6.851	146	362732	37.754	ng	97
14) 1,2-Dichlorobenzene	7.004	146	347794	40.061	ng	96
15) Benzyl Alcohol	6.975	79	318118	37.064	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	591653	40.971	ng	99
17) 2-Methylphenol	7.086	107	279222	35.408	ng	98
18) Hexachloroethane	7.345	117	135726	41.264	ng	97
19) n-Nitroso-di-n-propyla...	7.251	70	244497	34.969	ng	100
20) 3+4-Methylphenols	7.239	107	321186	31.309	ng	91
22) Acetophenone	7.245	105	464236	37.059	ng	98
24) Nitrobenzene	7.416	77	384280	38.057	ng	97
25) Isophorone	7.657	82	664412	36.090	ng	99
26) 2-Nitrophenol	7.734	139	178746	39.444	ng	97
27) 2,4-Dimethylphenol	7.769	122	292398	37.436	ng	99
28) bis(2-Chloroethoxy)met...	7.869	93	400226	37.614	ng	99
29) 2,4-Dichlorophenol	7.975	162	285145	37.249	ng	98
30) 1,2,4-Trichlorobenzene	8.057	180	309325	38.730	ng	98
31) Naphthalene	8.139	128	964194	36.234	ng	99
32) Benzoic acid	7.869	122	110028	22.336	ng	93
33) 4-Chloroaniline	8.186	127	69551	6.113	ng	96
34) Hexachlorobutadiene	8.251	225	190058	36.346	ng	99
35) Caprolactam	8.557	113	80662m	31.314	ng	
36) 4-Chloro-3-methylphenol	8.675	107	307460	34.845	ng	98
37) 2-Methylnaphthalene	8.828	142	654149	35.381	ng	98
38) 1-Methylnaphthalene	8.928	142	605040	35.562	ng	99
40) 1,2,4,5-Tetrachloroben...	8.998	216	301325	39.056	ng	98
41) Hexachlorocyclopentadiene	8.980	237	278441	80.985	ng	95
43) 2,4,6-Trichlorophenol	9.110	196	201170	39.019	ng	98

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44) 2,4,5-Trichlorophenol	9.151	196	214667	35.790	ng	98
46) 1,1'-Biphenyl	9.292	154	789762	38.585	ng	99
47) 2-Chloronaphthalene	9.322	162	568866	38.746	ng	100
48) 2-Nitroaniline	9.416	65	197646	36.808	ng	98
49) Acenaphthylene	9.733	152	952028	37.255	ng	99
50) Dimethylphthalate	9.598	163	702534	37.087	ng	99
51) 2,6-Dinitrotoluene	9.657	165	152031	38.883	ng	# 79
52) Acenaphthene	9.910	154	575633	38.484	ng	99
53) 3-Nitroaniline	9.827	138	97048	20.396	ng	94
54) 2,4-Dinitrophenol	9.933	184	80563	44.868	ng	97
55) Dibenzofuran	10.080	168	838201	36.725	ng	99
56) 4-Nitrophenol	9.992	139	211942	65.999	ng	91
57) 2,4-Dinitrotoluene	10.063	165	191699	38.550	ng	98
58) Fluorene	10.422	166	642301	36.799	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.198	232	171154	38.114	ng	99
60) Diethylphthalate	10.298	149	695438	36.072	ng	99
61) 4-Chlorophenyl-phenyle...	10.416	204	312528	36.270	ng	96
62) 4-Nitroaniline	10.445	138	147045	31.519	ng	100
63) Azobenzene	10.574	77	651409	35.691	ng	98
65) 4,6-Dinitro-2-methylph...	10.469	198	65741	31.502	ng	81
66) n-Nitrosodiphenylamine	10.533	169	570104	38.863	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	186386	38.238	ng	97
68) Hexachlorobenzene	10.969	284	200493	39.114	ng	98
69) Atrazine	11.063	200	179445	42.159	ng	96
70) Pentachlorophenol	11.163	266	187066	60.946	ng	98
71) Phenanthrene	11.386	178	813861	36.731	ng	100
72) Anthracene	11.439	178	848850	36.742	ng	99
73) Carbazole	11.592	167	769088	35.743	ng	99
74) Di-n-butylphthalate	11.921	149	979990	35.526	ng	99
75) Fluoranthene	12.574	202	780555	33.174	ng	99
77) Benzidine	12.698	184	181616	19.302	ng	98
78) Pyrene	12.804	202	781454	29.918	ng	99
80) Butylbenzylphthalate	13.421	149	350781	31.811	ng	97
81) Benzo(a)anthracene	13.998	228	734898	37.891	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	173277	26.873	ng	99
83) Chrysene	14.033	228	704667	38.413	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	496667	36.581	ng	98
85) Di-n-octyl phthalate	14.598	149	916220	47.487	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	781421	34.574	ng	99
88) Benzo(b)fluoranthene	15.045	252	824429	41.311	ng	99
89) Benzo(k)fluoranthene	15.074	252	752415	38.705	ng	98
90) Benzo(a)pyrene	15.409	252	710800	38.378	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	657050	35.115	ng	99
92) Benzo(g,h,i)perylene	17.374	276	575892	31.042	ng	97

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

Manual Integrations

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