

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
 Data File : BF132779.D
 Acq On : 14 Mar 2023 15:40
 Operator : CG\JU
 Sample : 01877-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-SOILMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/15/2023
 Supervised By :Jagrut Upadhyay 03/15/2023

Quant Time: Mar 14 16:01:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 15:35:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	213712	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	783428	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	420055	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	795730	20.000	ng	0.00
76) Chrysene-d12	14.157	240	384931	20.000	ng	# 0.00
86) Perylene-d12	15.686	264	449385	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	1280703	97.259	ng	0.02
7) Phenol-d6	6.604	99	1569763	91.343	ng	0.00
23) Nitrobenzene-d5	7.534	82	1125549	68.163	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	510993	112.642	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1815259	65.802	ng	0.00
79) Terphenyl-d14	13.092	244	2198116	96.549	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.005	88	241045	33.093	ng	# 83
3) Pyridine	3.728	79	484642	25.066	ng	92
4) n-Nitrosodimethylamine	3.657	42	245816	33.659	ng	84
6) Aniline	6.634	93	335887	14.523	ng	95
8) 2-Chlorophenol	6.757	128	578551	42.333	ng	96
9) Benzaldehyde	6.522	77	136365	14.705	ng	97
10) Phenol	6.616	94	661228	33.560	ng	93
11) bis(2-Chloroethyl)ether	6.698	93	621402	40.855	ng	95
12) 1,3-Dichlorobenzene	6.910	146	590533	40.265	ng	97
13) 1,4-Dichlorobenzene	6.987	146	593238	40.510	ng	97
14) 1,2-Dichlorobenzene	7.134	146	574043	40.845	ng	99
15) Benzyl Alcohol	7.110	79	529185	39.983	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.234	45	715221	36.875	ng	90
17) 2-Methylphenol	7.222	107	474537	37.205	ng	97
18) Hexachloroethane	7.475	117	225858	39.477	ng	98
19) n-Nitroso-di-n-propyla...	7.381	70	370686	35.048	ng	# 90
20) 3+4-Methylphenols	7.375	107	527699	32.024	ng	# 89
22) Acetophenone	7.375	105	734986	37.206	ng	# 91
24) Nitrobenzene	7.551	77	643348	36.430	ng	98
25) Isophorone	7.787	82	1199441	37.887	ng	99
26) 2-Nitrophenol	7.869	139	322591	41.401	ng	88
27) 2,4-Dimethylphenol	7.898	122	500806	40.723	ng	98
28) bis(2-Chloroethoxy)met...	7.992	93	744723	40.212	ng	100
29) 2,4-Dichlorophenol	8.110	162	497059	40.632	ng	100
30) 1,2,4-Trichlorobenzene	8.187	180	536390	40.380	ng	98
31) Naphthalene	8.275	128	1555331	38.780	ng	100
32) Benzoic acid	8.034	122	337321m	35.862	ng	
33) 4-Chloroaniline	8.322	127	104513	6.081	ng	# 90
34) Hexachlorobutadiene	8.381	225	330963	39.209	ng	99
35) Caprolactam	8.698	113	150148m	37.230	ng	
36) 4-Chloro-3-methylphenol	8.810	107	528619	39.347	ng	92
37) 2-Methylnaphthalene	8.963	142	1038372	37.991	ng	99
38) 1-Methylnaphthalene	9.063	142	968122	37.902	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	560918	40.814	ng	99
41) Hexachlorocyclopentadiene	9.116	237	571170	76.624	ng	99
43) 2,4,6-Trichlorophenol	9.245	196	372662	40.012	ng	99

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44) 2,4,5-Trichlorophenol	9.292	196	407587	37.495	ng	97
46) 1,1'-Biphenyl	9.428	154	1265793	39.813	ng	98
47) 2-Chloronaphthalene	9.457	162	1019915	40.461	ng	99
48) 2-Nitroaniline	9.557	65	338076	36.415	ng	# 84
49) Acenaphthylene	9.875	152	1562060	38.937	ng	100
50) Dimethylphthalate	9.728	163	1240714	40.566	ng	100
51) 2,6-Dinitrotoluene	9.792	165	287056	41.211	ng	95
52) Acenaphthene	10.045	154	1089106m	42.753	ng	
53) 3-Nitroaniline	9.963	138	116293	14.925	ng	97
54) 2,4-Dinitrophenol	10.081	184	307663	70.321	ng	# 87
55) Dibenzofuran	10.216	168	1432757	38.580	ng	99
56) 4-Nitrophenol	10.134	139	368688	63.448	ng	96
57) 2,4-Dinitrotoluene	10.204	165	373537	40.310	ng	92
58) Fluorene	10.563	166	1128263	39.718	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.339	232	337909	41.847	ng	97
60) Diethylphthalate	10.428	149	1177639	39.424	ng	99
61) 4-Chlorophenyl-phenylether	10.551	204	587296	39.853	ng	92
62) 4-Nitroaniline	10.586	138	276457	36.145	ng	91
63) Azobenzene	10.710	77	1198756	37.893	ng	98
65) 4,6-Dinitro-2-methylph...	10.616	198	212333	39.418	ng	89
66) n-Nitrosodiphenylamine	10.669	169	993780	40.060	ng	99
67) 4-Bromophenyl-phenylether	11.039	248	377970	41.992	ng	100
68) Hexachlorobenzene	11.110	284	418229	44.158	ng	95
69) Atrazine	11.192	200	308203	39.796	ng	99
70) Pentachlorophenol	11.310	266	401158	71.191	ng	99
71) Phenanthrene	11.533	178	1631914	39.588	ng	99
72) Anthracene	11.581	178	1672230	39.393	ng	99
73) Carbazole	11.739	167	1465787	38.298	ng	99
74) Di-n-butylphthalate	12.051	149	1796577	40.018	ng	100
75) Fluoranthene	12.722	202	1660993	36.858	ng	99
77) Benzidine	12.845	184	129681	13.840	ng	99
78) Pyrene	12.957	202	1675971	47.889	ng	100
80) Butylbenzylphthalate	13.563	149	617265	44.695	ng	93
81) Benzo(a)anthracene	14.145	228	1185695	41.168	ng	98
82) 3,3'-Dichlorobenzidine	14.104	252	199317	23.473	ng	99
83) Chrysene	14.186	228	1125436	41.787	ng	99
84) Bis(2-ethylhexyl)phtha...	14.116	149	762133	44.923	ng	99
85) Di-n-octyl phthalate	14.733	149	1159041	46.751	ng	97
87) Indeno(1,2,3-cd)pyrene	17.268	276	1358090	46.122	ng	99
88) Benzo(b)fluoranthene	15.233	252	1274606	42.324	ng	98
89) Benzo(k)fluoranthene	15.263	252	1114444	37.811	ng	98
90) Benzo(a)pyrene	15.621	252	1111015	39.418	ng	99
91) Dibenzo(a,h)anthracene	17.286	278	1117064	46.561	ng	98
92) Benzo(g,h,i)perylene	17.751	276	1105565	41.019	ng	100

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

