

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111120\
 Data File : BF122307.D
 Acq On : 11 Nov 2020 11:12
 Operator : JU/CG
 Sample : L4214-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

Manual Integrations
 APPROVED

mohammad
 11/12/2020 11:39:12 AM

Quant Time: Nov 11 11:42:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 11 11:01:10 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	320551	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	1143669	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	597994	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	1074740	20.00	ng	0.00
76) Chrysene-d12	14.027	240	961685	20.00	ng	0.00
86) Perylene-d12	15.498	264	856350	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	2775736	132.96	ng	0.00
7) Phenol-d6	6.498	99	3525692	129.10	ng	0.00
23) Nitrobenzene-d5	7.433	82	2358264	126.24	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	1011089	157.54	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	3753243	98.07	ng	0.00
79) Terphenyl-d14	12.986	244	4267263	94.00	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	82102	8.58	ng	90
3) Pyridine	3.422	79	211756	8.04	ng	95
4) n-Nitrosodimethylamine	3.316	42	100388	8.09	ng	96
6) Aniline	6.534	93	300313	8.38	ng	98
8) 2-Chlorophenol	6.651	128	187002	8.64	ng	96
9) Benzaldehyde	6.416	77	158443	10.29	ng	97
10) Phenol	6.504	94	225603m	8.39	ng	
11) bis(2-Chloroethyl)ether	6.604	93	184093	8.61	ng	92
12) 1,3-Dichlorobenzene	6.810	146	214590	8.73	ng	96
13) 1,4-Dichlorobenzene	6.886	146	220471	8.93	ng	97
14) 1,2-Dichlorobenzene	7.039	146	203826	8.85	ng	99
15) Benzyl Alcohol	6.998	79	147519	7.60	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.139	45	264731	8.50	ng	99
17) 2-Methylphenol	7.104	107	155161	8.59	ng	99
18) Hexachloroethane	7.381	117	75469	8.78	ng	97
19) n-Nitroso-di-n-propyla...	7.275	70	141691	8.68	ng	99
20) 3+4-Methylphenols	7.263	107	197163	8.87	ng	# 82
22) Acetophenone	7.269	105	276232	9.27	ng	# 88
24) Nitrobenzene	7.445	77	212240	9.93	ng	97
25) Isophorone	7.681	82	366725	8.81	ng	99
26) 2-Nitrophenol	7.763	139	69969	9.70	ng	98
27) 2,4-Dimethylphenol	7.792	122	169590	8.63	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	229785	9.02	ng	100
29) 2,4-Dichlorophenol	7.998	162	154244	8.87	ng	97
30) 1,2,4-Trichlorobenzene	8.092	180	175424	9.14	ng	97
31) Naphthalene	8.169	128	567176	9.33	ng	99
32) Benzoic acid	7.851	122	52403	5.91	ng	94
33) 4-Chloroaniline	8.216	127	232833	8.79	ng	96
34) Hexachlorobutadiene	8.292	225	101541	9.20	ng	99
35) Caprolactam	8.551	113	47762	8.66	ng	# 85
36) 4-Chloro-3-methylphenol	8.686	107	159462	8.79	ng	93
37) 2-Methylnaphthalene	8.863	142	375871	9.36	ng	99
38) 1-Methylnaphthalene	8.963	142	347045	9.23	ng	98
40) 1,2,4,5-Tetrachloroben...	9.027	216	173149	9.40	ng	98
41) Hexachlorocyclopentadiene	9.022	237	90672	8.42	ng	97
43) 2,4,6-Trichlorophenol	9.133	196	106319	8.88	ng	98

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44) 2,4,5-Trichlorophenol	9.169	196	108412	8.64	ng	99
46) 1,1'-Biphenyl	9.327	154	460877	9.68	ng	97
47) 2-Chloronaphthalene	9.351	162	354780	9.39	ng	97
48) 2-Nitroaniline	9.439	65	91416	9.86	ng	93
49) Acenaphthylene	9.763	152	536906	9.25	ng	100
50) Dimethylphthalate	9.622	163	396551	9.33	ng	99
51) 2,6-Dinitrotoluene	9.680	165	79830	9.71	ng	94
52) Acenaphthene	9.939	154	338213	9.41	ng	98
53) 3-Nitroaniline	9.845	138	89600	9.44	ng	96
54) 2,4-Dinitrophenol	9.945	184	17014	6.78	ng	# 1
55) Dibenzofuran	10.110	168	495895	9.42	ng	99
56) 4-Nitrophenol	9.986	139	67924	8.37	ng	83
57) 2,4-Dinitrotoluene	10.080	165	97887	9.85	ng	92
58) Fluorene	10.451	166	395587	9.81	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	95349	9.14	ng	97
60) Diethylphthalate	10.327	149	388277	9.31	ng	98
61) 4-Chlorophenyl-phenyle...	10.445	204	185518	9.75	ng	97
62) 4-Nitroaniline	10.451	138	86316	9.24	ng	94
63) Azobenzene	10.610	77	404156	9.24	ng	96
65) 4,6-Dinitro-2-methylph...	10.486	198	29828	7.30	ng	93
66) n-Nitrosodiphenylamine	10.563	169	339705	9.28	ng	95
67) 4-Bromophenyl-phenylether	10.933	248	117329	9.29	ng	94
68) Hexachlorobenzene	10.998	284	128441	9.41	ng	96
69) Atrazine	11.080	200	94760	10.39	ng	99
70) Pentachlorophenol	11.186	266	65285	8.30	ng	97
71) Phenanthrene	11.410	178	587630	9.64	ng	99
72) Anthracene	11.463	178	599168	9.53	ng	99
73) Carbazole	11.616	167	529855	9.27	ng	98
74) Di-n-butylphthalate	11.951	149	577235	9.47	ng	99
75) Fluoranthene	12.598	202	597125	9.38	ng	97
77) Benzidine	12.721	184	275628	10.33	ng	96
78) Pyrene	12.827	202	621549	9.20	ng	99
80) Butylbenzylphthalate	13.451	149	208532	8.59	ng	99
81) Benzo(a)anthracene	14.015	228	552208	9.23	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	194335	8.72	ng	99
83) Chrysene	14.051	228	548709	9.11	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	298174	9.15	ng	98
85) Di-n-octyl phthalate	14.627	149	445973	8.08	ng	99
87) Indeno(1,2,3-cd)pyrene	16.950	276	420013	8.17	ng	98
88) Benzo(b)fluoranthene	15.062	252	513556	9.26	ng	98
89) Benzo(k)fluoranthene	15.092	252	487186	9.01	ng	98
90) Benzo(a)pyrene	15.427	252	419507	8.68	ng	100
91) Dibenzo(a,h)anthracene	16.968	278	348176	8.09	ng	98
92) Benzo(g,h,i)perylene	17.386	276	334611	7.99	ng	100

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

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