

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022122\
 Data File : BF126969.D
 Acq On : 21 Feb 2022 13:06
 Operator : CG\JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Quant Time: Feb 21 14:09:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 21 13:16:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/22/2022
 Supervised By : Jagrut Upadhyay 02/22/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	89348	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	360833	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	190022	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	339937	20.000	ng	# 0.00
76) Chrysene-d12	14.092	240	277203	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	263844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	885597	153.194	ng	0.00
7) Phenol-d6	6.551	99	1181198	151.426	ng	0.00
23) Nitrobenzene-d5	7.487	82	676496	84.624	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	350071	160.007	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1091951	84.597	ng	0.00
79) Terphenyl-d14	13.039	244	1361855	72.221	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.728	88	20631	7.799	ng	96
3) Pyridine	3.552	79	50383m	7.261	ng	
4) n-Nitrosodimethylamine	3.452	42	27878	8.202	ng	# 67
6) Aniline	6.587	93	82715	8.950	ng	93
8) 2-Chlorophenol	6.710	128	50878	8.203	ng	95
9) Benzaldehyde	6.475	77	48272	10.166	ng	100
10) Phenol	6.557	94	64443	8.176	ng	# 59
11) bis(2-Chloroethyl)ether	6.657	93	49861	8.066	ng	94
12) 1,3-Dichlorobenzene	6.863	146	55984	8.367	ng	98
13) 1,4-Dichlorobenzene	6.940	146	58116	8.568	ng	99
14) 1,2-Dichlorobenzene	7.092	146	53937	8.338	ng	94
15) Benzyl Alcohol	7.057	79	62112	9.452	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.192	45	75655	7.772	ng	99
17) 2-Methylphenol	7.163	107	43063	8.025	ng	96
18) Hexachloroethane	7.434	117	21322	8.200	ng	# 89
19) n-Nitroso-di-n-propyla...	7.322	70	41055	8.168	ng	# 93
20) 3+4-Methylphenols	7.316	107	57699	8.280	ng	90
22) Acetophenone	7.322	105	79479	8.366	ng	99
24) Nitrobenzene	7.498	77	62952	8.336	ng	92
25) Isophorone	7.734	82	111892	8.459	ng	# 97
26) 2-Nitrophenol	7.816	139	24762	7.701	ng	# 78
27) 2,4-Dimethylphenol	7.845	122	48391	9.161	ng	93
28) bis(2-Chloroethoxy)met...	7.945	93	62159	7.751	ng	98
29) 2,4-Dichlorophenol	8.051	162	40955	8.247	ng	99
30) 1,2,4-Trichlorobenzene	8.139	180	44930	8.093	ng	98
31) Naphthalene	8.222	128	158419	8.410	ng	99
32) Benzoic acid	7.910	122	19320	5.157	ng	# 73
33) 4-Chloroaniline	8.269	127	63709	8.593	ng	97
34) Hexachlorobutadiene	8.334	225	25841	7.972	ng	99
35) Caprolactam	8.610	113	13347	7.696	ng	98
36) 4-Chloro-3-methylphenol	8.739	107	50688	7.986	ng	95
37) 2-Methylnaphthalene	8.916	142	99044	8.103	ng	95
38) 1-Methylnaphthalene	9.016	142	98138	8.385	ng	98
40) 1,2,4,5-Tetrachloroben...	9.081	216	41236	8.244	ng	99
41) Hexachlorocyclopentadiene	9.063	237	20655	7.614	ng	95
43) 2,4,6-Trichlorophenol	9.186	196	27622	7.529	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022122\
 Data File : BF126969.D
 Acq On : 21 Feb 2022 13:06
 Operator : CG\JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Quant Time: Feb 21 14:09:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 21 13:16:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/22/2022
 Supervised By : Jagrut Upadhyay 02/22/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.228	196	29055	7.526	ng	97
46) 1,1'-Biphenyl	9.381	154	125103	8.310	ng	97
47) 2-Chloronaphthalene	9.404	162	90857	8.138	ng	94
48) 2-Nitroaniline	9.498	65	33172	7.530	ng	99
49) Acenaphthylene	9.822	152	155840	8.593	ng	97
50) Dimethylphthalate	9.669	163	104881	7.722	ng	100
51) 2,6-Dinitrotoluene	9.739	165	22960	8.309	ng	98
52) Acenaphthene	9.992	154	94584	8.020	ng	95
53) 3-Nitroaniline	9.904	138	25940	7.679	ng	# 94
54) 2,4-Dinitrophenol	10.010	184	8556	5.850	ng	# 84
55) Dibenzofuran	10.163	168	130091	8.022	ng	92
56) 4-Nitrophenol	10.057	139	20029	8.028	ng	# 81
57) 2,4-Dinitrotoluene	10.139	165	30422	8.142	ng	# 96
58) Fluorene	10.510	166	102838	8.141	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.280	232	22213	7.258	ng	97
60) Diethylphthalate	10.375	149	112060	7.896	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	48038	8.065	ng	97
62) 4-Nitroaniline	10.516	138	26196	7.853	ng	# 76
63) Azobenzene	10.663	77	120531	7.627	ng	93
65) 4,6-Dinitro-2-methylph...	10.545	198	12750	6.383	ng	79
66) n-Nitrosodiphenylamine	10.616	169	88289	7.921	ng	98
67) 4-Bromophenyl-phenylether	10.992	248	29245	7.700	ng	96
68) Hexachlorobenzene	11.051	284	32489	7.946	ng	# 89
69) Atrazine	11.139	200	29099	8.417	ng	94
70) Pentachlorophenol	11.245	266	15115	6.772	ng	96
71) Phenanthrene	11.475	178	159797	8.398	ng	99
72) Anthracene	11.522	178	161322	8.517	ng	99
73) Carbazole	11.680	167	141052	8.120	ng	99
74) Di-n-butylphthalate	12.004	149	177821	7.963	ng	99
75) Fluoranthene	12.663	202	158773	8.788	ng	95
77) Benzidine	12.786	184	86057	11.424	ng	99
78) Pyrene	12.892	202	162072	6.730	ng	99
80) Butylbenzylphthalate	13.504	149	75546	6.626	ng	94
81) Benzo(a)anthracene	14.080	228	144679	7.742	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	52663	8.942	ng	# 95
83) Chrysene	14.116	228	139858	7.958	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	106752	7.132	ng	# 96
85) Di-n-octyl phthalate	14.680	149	173114	8.033	ng	98
87) Indeno(1,2,3-cd)pyrene	17.109	276	125317	7.244	ng	# 87
88) Benzo(b)fluoranthene	15.145	252	136403	7.697	ng	# 93
89) Benzo(k)fluoranthene	15.174	252	138953	8.130	ng	# 95
90) Benzo(a)pyrene	15.527	252	129636	9.366	ng	# 93
91) Dibenzo(a,h)anthracene	17.127	278	109047	7.621	ng	# 93
92) Benzo(g,h,i)perylene	17.574	276	104854	7.433	ng	# 85

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

Manual Integrations

Reviewed By :Christian Giraldo	02/22/2022
Supervised By :Jagrut Upadhyay	02/22/2022

[illegible]