

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031422\
 Data File : BF127314.D
 Acq On : 14 Mar 2022 11:44
 Operator : CG\JU
 Sample : N1645-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 14 12:20:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 14 12:19:36 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/15/2022
 Supervised By : Jagrut Upadhyay 03/15/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	115501	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	410887	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	241731	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	431293	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	343271	20.000	ng	# 0.00
86) Perylene-d12	15.527	264	261088	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	970307	135.049	ng	0.00
7) Phenol-d6	6.510	99	1387238	140.354	ng	0.00
23) Nitrobenzene-d5	7.439	82	786797	79.081	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	378152	145.319	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1324224	77.449	ng	0.00
79) Terphenyl-d14	12.992	244	1509718	75.732	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	11724	3.147	ng	# 76
3) Pyridine	3.557	79	31483m	3.176	ng	
4) n-Nitrosodimethylamine	3.404	42	17001	3.095	ng	# 62
6) Aniline	6.539	93	54135	4.583	ng	92
8) 2-Chlorophenol	6.657	128	30078	4.047	ng	91
9) Benzaldehyde	6.428	77	29759	5.165	ng	97
10) Phenol	6.516	94	43283	3.986	ng	# 28
11) bis(2-Chloroethyl)ether	6.610	93	33906	4.205	ng	94
12) 1,3-Dichlorobenzene	6.810	146	35272	4.228	ng	98
13) 1,4-Dichlorobenzene	6.886	146	35578	4.251	ng	98
14) 1,2-Dichlorobenzene	7.039	146	33098	4.201	ng	96
15) Benzyl Alcohol	7.022	79	29340	3.960	ng	# 59
16) 2,2'-oxybis(1-Chloropr...	7.139	45	61261	4.049	ng	97
17) 2-Methylphenol	7.122	107	26041	4.121	ng	# 90
18) Hexachloroethane	7.375	117	12970	4.034	ng	# 78
19) n-Nitroso-di-n-propyla...	7.275	70	26345	4.271	ng	# 86
20) 3+4-Methylphenols	7.275	107	32465	3.962	ng	# 44
22) Acetophenone	7.275	105	47454	4.218	ng	# 91
24) Nitrobenzene	7.451	77	41521	4.412	ng	94
25) Isophorone	7.686	82	70591	4.412	ng	96
26) 2-Nitrophenol	7.769	139	14891	3.821	ng	# 80
27) 2,4-Dimethylphenol	7.804	122	29101	4.974	ng	92
28) bis(2-Chloroethoxy)met...	7.892	93	42717	4.214	ng	98
29) 2,4-Dichlorophenol	8.016	162	26814	4.002	ng	95
30) 1,2,4-Trichlorobenzene	8.086	180	31305	4.099	ng	98
31) Naphthalene	8.169	128	96067	4.383	ng	100
32) Benzoic acid	7.898	122	9991m	2.752	ng	
33) 4-Chloroaniline	8.222	127	37050	4.361	ng	# 93
34) Hexachlorobutadiene	8.281	225	19920	3.911	ng	99
35) Caprolactam	8.557	113	7568	3.781	ng	# 64
36) 4-Chloro-3-methylphenol	8.704	107	29386	4.047	ng	95
37) 2-Methylnaphthalene	8.863	142	64051	4.472	ng	97
38) 1-Methylnaphthalene	8.963	142	60213	4.373	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	33386	4.363	ng	# 92
41) Hexachlorocyclopentadiene	9.010	237	5469	2.034	ng	87
43) 2,4,6-Trichlorophenol	9.145	196	17160	3.553	ng	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031422\
 Data File : BF127314.D
 Acq On : 14 Mar 2022 11:44
 Operator : CG\JU
 Sample : N1645-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 14 12:20:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 14 12:19:36 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/15/2022
 Supervised By :Jagrut Upadhyay 03/15/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	19799	3.863	ng	91
46) 1,1'-Biphenyl	9.328	154	82762	4.536	ng	98
47) 2-Chloronaphthalene	9.351	162	61485	4.329	ng	98
48) 2-Nitroaniline	9.451	65	20992	3.842	ng	89
49) Acenaphthylene	9.769	152	99742	4.589	ng	98
50) Dimethylphthalate	9.622	163	71270	4.115	ng	# 98
51) 2,6-Dinitrotoluene	9.692	165	14741	4.207	ng	97
52) Acenaphthene	9.939	154	55023	4.247	ng	98
53) 3-Nitroaniline	9.863	138	14513	3.801	ng	92
54) 2,4-Dinitrophenol	9.992	184	2229	1.291	ng	# 74
55) Dibenzofuran	10.110	168	88161	4.380	ng	97
56) 4-Nitrophenol	10.039	139	6405	2.760	ng	90
57) 2,4-Dinitrotoluene	10.098	165	18648	4.045	ng	# 90
58) Fluorene	10.457	166	67844	4.347	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	14754	3.464	ng	# 79
60) Diethylphthalate	10.322	149	65249	4.130	ng	95
61) 4-Chlorophenyl-phenyle...	10.445	204	35018	4.140	ng	89
62) 4-Nitroaniline	10.474	138	14269	3.750	ng	91
63) Azobenzene	10.610	77	74350	4.094	ng	92
65) 4,6-Dinitro-2-methylph...	10.510	198	6587	2.477	ng	90
66) n-Nitrosodiphenylamine	10.569	169	57514	4.294	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	21211	4.080	ng	# 90
68) Hexachlorobenzene	11.004	284	23175	4.090	ng	# 87
69) Atrazine	11.086	200	20241	4.379	ng	96
70) Pentachlorophenol	11.210	266	5077m	2.219	ng	
71) Phenanthrene	11.421	178	96894	4.256	ng	98
72) Anthracene	11.474	178	99608	4.418	ng	98
73) Carbazole	11.633	167	86940	4.095	ng	# 96
74) Di-n-butylphthalate	11.951	149	98567	3.969	ng	99
75) Fluoranthene	12.616	202	106598	4.187	ng	92
77) Benzidine	12.739	184	41439	4.747	ng	# 95
78) Pyrene	12.845	202	108306	4.051	ng	100
80) Butylbenzylphthalate	13.457	149	36515	3.549	ng	# 87
81) Benzo(a)anthracene	14.033	228	91616	3.964	ng	98
82) 3,3'-Dichlorobenzidine	13.998	252	27588	3.839	ng	# 93
83) Chrysene	14.068	228	87433	4.067	ng	98
84) Bis(2-ethylhexyl)phtha...	14.010	149	51799	3.740	ng	# 98
85) Di-n-octyl phthalate	14.621	149	73059	3.485	ng	95
87) Indeno(1,2,3-cd)pyrene	17.027	276	52008	3.307	ng	# 88
88) Benzo(b)fluoranthene	15.092	252	69234	4.040	ng	# 93
89) Benzo(k)fluoranthene	15.121	252	70193	4.356	ng	# 94
90) Benzo(a)pyrene	15.468	252	63370	4.696	ng	# 92
91) Dibenzo(a,h)anthracene	17.045	278	45095	3.445	ng	# 90
92) Benzo(g,h,i)perylene	17.486	276	44945	3.520	ng	# 83

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

Manual Integrations

Quant Time: Mar 14 12:20:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 14 12:19:36 2022
Response via : Initial Calibration

