

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082621\
 Data File : BM031916.D
 Acq On : 26 Aug 2021 16:26
 Operator : CG/JU
 Sample : M2262-03
 Misc : MDL-MDL-SOIL-4ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2021

Manual Integrations
 APPROVED

mohammad
 8/27/2021 5:07:53 PM

Quant Time: Aug 26 17:27:19 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 26 16:22:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	52994	20.000	ng	0.00
21) Naphthalene-d8	10.275	136	204917	20.000	ng	0.00
39) Acenaphthene-d10	14.157	164	123061	20.000	ng	0.00
64) Phenanthrene-d10	16.909	188	233951	20.000	ng	0.00
76) Chrysene-d12	21.121	240	201128	20.000	ng	0.00
86) Perylene-d12	23.262	264	205970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.151	112	378675	114.131	ng	0.00
7) Phenol-d6	6.716	99	505662	106.288	ng	0.00
23) Nitrobenzene-d5	8.669	82	458088	101.120	ng	0.00
42) 2,4,6-Tribromophenol	15.657	330	147288	110.875	ng	0.00
45) 2-Fluorobiphenyl	12.768	172	999029	109.791	ng	0.00
79) Terphenyl-d14	19.562	244	1469531	117.458	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.175	88	5306	4.026	ng	# 79
3) Pyridine	3.569	79	11091m	3.205	ng	
4) n-Nitrosodimethylamine	3.487	42	6587	3.539	ng	# 67
6) Aniline	6.869	93	21859	4.299	ng	95
8) 2-Chlorophenol	7.087	128	14455	3.762	ng	97
9) Benzaldehyde	6.687	77	14371m	4.925	ng	
10) Phenol	6.739	94	18364	3.891	ng	96
11) bis(2-Chloroethyl)ether	6.969	93	14172	3.934	ng	92
12) 1,3-Dichlorobenzene	7.404	146	15987	3.922	ng	93
13) 1,4-Dichlorobenzene	7.551	146	16568	3.961	ng	96
14) 1,2-Dichlorobenzene	7.857	146	15939	3.939	ng	96
15) Benzyl Alcohol	7.769	79	12065	3.363	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.051	45	19825	4.008	ng	97
17) 2-Methylphenol	7.969	107	11656	3.648	ng	93
18) Hexachloroethane	8.569	117	6027	3.692	ng	93
19) n-Nitroso-di-n-propyla...	8.328	70	10870	3.224	ng	91
20) 3+4-Methylphenols	8.298	107	14746	3.341	ng	96
22) Acetophenone	8.339	105	22850	4.104	ng	94
24) Nitrobenzene	8.710	77	20613m	4.476	ng	
25) Isophorone	9.233	82	28202	3.538	ng	98
26) 2-Nitrophenol	9.416	139	6478	3.399	ng	# 82
27) 2,4-Dimethylphenol	9.480	122	11699	4.020	ng	92
28) bis(2-Chloroethoxy)met...	9.722	93	17447	4.162	ng	96
29) 2,4-Dichlorophenol	9.951	162	11238	3.441	ng	94
30) 1,2,4-Trichlorobenzene	10.139	180	14481	4.062	ng	94
31) Naphthalene	10.322	128	44780	3.947	ng	99
33) 4-Chloroaniline	10.463	127	17694	3.834	ng	93
34) Hexachlorobutadiene	10.604	225	8295	3.840	ng	97
35) Caprolactam	11.269	113	2513	2.454	ng	# 73
36) 4-Chloro-3-methylphenol	11.592	107	13023	3.407	ng	94
37) 2-Methylnaphthalene	11.945	142	31092	3.780	ng	94
38) 1-Methylnaphthalene	12.169	142	28895	3.681	ng	95
40) 1,2,4,5-Tetrachloroben...	12.321	216	14672	4.130	ng	98
41) Hexachlorocyclopentadiene	12.292	237	5679	3.450	ng	93
43) 2,4,6-Trichlorophenol	12.586	196	8409	3.328	ng	95
44) 2,4,5-Trichlorophenol	12.663	196	9366	3.412	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082621\
 Data File : BM031916.D
 Acq On : 26 Aug 2021 16:26
 Operator : CG/JU
 Sample : M2262-03
 Misc : MDL-MDL-SOIL-4ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2021

Manual Integrations
 APPROVED

mohammad
 8/27/2021 5:07:53 PM

Quant Time: Aug 26 17:27:19 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 26 16:22:50 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	12.980	154	40158	4.167	ng	100
47) 2-Chloronaphthalene	13.021	162	29908	3.937	ng	98
48) 2-Nitroaniline	13.251	65	7922	3.263	ng	94
49) Acenaphthylene	13.874	152	44860	3.738	ng	99
50) Dimethylphthalate	13.633	163	36766	3.866	ng	98
51) 2,6-Dinitrotoluene	13.757	165	6633	3.109	ng	89
52) Acenaphthene	14.221	154	28114	3.821	ng	99
53) 3-Nitroaniline	14.092	138	6435	3.067	ng	# 84
55) Dibenzofuran	14.562	168	44751	3.741	ng	99
56) 4-Nitrophenol	14.457	139	3824m	2.277	ng	
57) 2,4-Dinitrotoluene	14.557	165	8579	2.961	ng	# 84
58) Fluorene	15.215	166	35062	3.622	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.798	232	7731	3.327	ng	# 92
60) Diethylphthalate	15.010	149	36525	3.669	ng	98
61) 4-Chlorophenyl-phenyle...	15.215	204	17581	3.768	ng	96
62) 4-Nitroaniline	15.268	138	5138	2.503	ng	91
63) Azobenzene	15.509	77	36328	3.309	ng	95
65) 4,6-Dinitro-2-methylph...	15.333	198	3194	2.047	ng	86
66) n-Nitrosodiphenylamine	15.439	169	28997	3.681	ng	94
67) 4-Bromophenyl-phenylether	16.109	248	9567	3.843	ng	91
68) Hexachlorobenzene	16.215	284	10546	3.963	ng	97
69) Atrazine	16.404	200	9572	3.891	ng	94
70) Pentachlorophenol	16.574	266	4557	2.739	ng	93
71) Phenanthrene	16.951	178	53802	3.872	ng	100
72) Anthracene	17.051	178	52118	3.848	ng	98
73) Carbazole	17.333	167	43361	3.331	ng	98
74) Di-n-butylphthalate	17.898	149	49919	3.194	ng	98
75) Fluoranthene	18.980	202	54908	3.631	ng	99
77) Benzidine	19.192	184	23687	4.799	ng	97
78) Pyrene	19.345	202	56345	3.524	ng	99
80) Butylbenzylphthalate	20.268	149	21499	3.165	ng	96
81) Benzo(a)anthracene	21.103	228	53744	3.751	ng	98
82) 3,3'-Dichlorobenzidine	21.056	252	18431	4.644	ng	98
83) Chrysene	21.156	228	54467	3.903	ng	98
84) Bis(2-ethylhexyl)phtha...	21.050	149	29981	3.055	ng	99
85) Di-n-octyl phthalate	21.909	149	52517	3.388	ng	96
87) Indeno(1,2,3-cd)pyrene	25.379	276	61095	4.264	ng	96
88) Benzo(b)fluoranthene	22.627	252	55008	3.610	ng	98
89) Benzo(k)fluoranthene	22.668	252	50066	3.432	ng	98
90) Benzo(a)pyrene	23.168	252	52907	3.957	ng	# 97
91) Dibenzo(a,h)anthracene	25.391	278	51883	4.175	ng	# 95
92) Benzo(g,h,i)perylene	26.021	276	52365	4.474	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082621\
Data File : BM031916.D
Acq On : 26 Aug 2021 16:26
Operator : CG/JU
Sample : M2262-03
Misc : MDL-MDL-SOIL-4ppm
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

Manual Integrations
APPROVED

mohammad
8/27/2021 5:07:53 PM

Quant Time: Aug 26 17:27:19 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 26 16:22:50 2021
Response via : Initial Calibration

