Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011923\
Data File : BM038487.D
Acq On : 19 Jan 2023 13:19
Operator : CG/JU
Sample : N3980-03
Misc : MDL-MDL-SOIL 8PPM
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 20 02:46:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 06:09:42 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.969	152	41483	20.000	ng		0.00
21) Naphthalene-d8	10.780	136	142204	20.000	ng		0.00
39) Acenaphthene-d10	14.604	164	86690	20.000	ng		0.00
64) Phenanthrene-d10	17.345	188	195712	20.000	ng		0.00
76) Chrysene-d12	21.521	240	205865	20.000	ng		0.00
86) Perylene-d12	23.932	264	255473	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	303843	111.728	ng		0.00
7) Phenol-d6	7.134	99	377460	108.353	ng		0.00
23) Nitrobenzene-d5	9.145	82	269316	77.166	ng		0.00
42) 2,4,6-Tribromophenol	16.092	330	149095	101.737	ng		0.00
45) 2-Fluorobiphenyl	13.233	172	491957	70.772	ng		0.00
79) Terphenyl-d14	19.962	244	843422	76.696	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.375	88	10318	8.302	ng		94
3) Pyridine	3.804	79	21432m	5.961	ng		
4) n-Nitrosodimethylamine	3.710	42	17032m	8.007	ng		
6) Aniline	7.298	93	30725	6.983	ng		98
8) 2-Chlorophenol	7.534	128	19346	7.185	ng		91
9) Benzaldehyde	7.116	77	23595	10.129	ng		96
10) Phenol	7.163	94	27168	7.484	ng		95
11) bis(2-Chloroethyl)ether	7.398	93	21276	7.232	ng		97
12) 1,3-Dichlorobenzene	7.857	146	21163	7.337	ng		95
13) 1,4-Dichlorobenzene	8.010	146	21213	7.310	ng		96
14) 1,2-Dichlorobenzene	8.322	146	21215	7.477	ng		96
15) Benzyl Alcohol	8.222	79	20018	7.175	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.510	45	32474	7.917	ng		98
17) 2-Methylphenol	8.422	107	16652	6.791	ng		95
18) Hexachloroethane	9.045	117	9405	7.913	ng	#	74
19) n-Nitroso-di-n-propyla...	8.781	70	18647	7.374	ng	#	93
20) 3+4-Methylphenols	8.751	107	20413	6.201	ng		99
22) Acetophenone	8.804	105	31772	7.559	ng	#	96
24) Nitrobenzene	9.186	77	30035m	8.145	ng		
25) Isophorone	9.710	82	44820	7.250	ng		97
26) 2-Nitrophenol	9.898	139	8115	6.268	ng		93
27) 2,4-Dimethylphenol	9.957	122	13664	6.198	ng		96
28) bis(2-Chloroethoxy)met...	10.192	93	24894	7.160	ng		99
29) 2,4-Dichlorophenol	10.433	162	16066	6.597	ng		99
30) 1,2,4-Trichlorobenzene	10.645	180	19765	7.018	ng		94
31) Naphthalene	10.833	128	52871	7.015	ng		98
32) Benzoic acid	10.033	122	7591m	8.805	ng		
33) 4-Chloroaniline	10.951	127	20981	6.343	ng		94
34) Hexachlorobutadiene	11.110	225	13663	6.918	ng		96
35) Caprolactam	11.733	113	3658	5.314	ng		93
36) 4-Chloro-3-methylphenol	12.069	107	17835	6.717	ng		87
37) 2-Methylnaphthalene	12.439	142	34699	6.297	ng		98
38) 1-Methylnaphthalene	12.657	142	32998	6.378	ng	#	99
40) 1,2,4,5-Tetrachloroben...	12.804	216	22770	7.018	ng		99
41) Hexachlorocyclopentadiene	12.774	237	11294	6.122	ng		98
43) 2,4,6-Trichlorophenol	13.045	196	13625	6.643	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	14303	5.915	ng		96
46) 1,1'-Biphenyl	13.445	154	48386	7.194	ng		96
47) 2-Chloronaphthalene	13.486	162	38766	7.323	ng		97
48) 2-Nitroaniline	13.704	65	12786	8.098	ng		95
49) Acenaphthylene	14.333	152	56475	6.767	ng		97
50) Dimethylphthalate	14.063	163	45515	6.478	ng		99
51) 2,6-Dinitrotoluene	14.192	165	8859	6.198	ng		86
52) Acenaphthene	14.668	154	34533	6.809	ng		92
53) 3-Nitroaniline	14.521	138	7918	7.404	ng		98
54) 2,4-Dinitrophenol	14.733	184	4770	9.301	ng	#	82
55) Dibenzofuran	15.004	168	58937	6.825	ng		96
56) 4-Nitrophenol	14.827	139	6272	8.499	ng		90
57) 2,4-Dinitrotoluene	14.980	165	11429	5.752	ng		87
58) Fluorene	15.651	166	45431	6.297	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.227	232	12587	5.871	ng	#	93
60) Diethylphthalate	15.421	149	46470	6.448	ng		97
61) 4-Chlorophenyl-phenyle...	15.645	204	24878	6.282	ng		99
62) 4-Nitroaniline	15.680	138	7541	7.168	ng		98
63) Azobenzene	15.933	77	57359	7.233	ng		95
65) 4,6-Dinitro-2-methylph...	15.739	198	7101	5.347	ng		83
66) n-Nitrosodiphenylamine	15.857	169	38623	6.726	ng		98
67) 4-Bromophenyl-phenylether	16.539	248	14597	6.448	ng		97
68) Hexachlorobenzene	16.651	284	17129	6.757	ng		97
69) Atrazine	16.804	200	13936	6.863	ng		96
70) Pentachlorophenol	16.998	266	9227	4.986	ng		92
71) Phenanthrene	17.392	178	74214	6.854	ng		99
72) Anthracene	17.480	178	72740	6.537	ng		98
73) Carbazole	17.756	167	65067	6.686	ng		98
74) Di-n-butylphthalate	18.303	149	73226	6.336	ng		100
75) Fluoranthene	19.397	202	85743	6.299	ng		99
77) Benzidine	19.592	184	32583	7.223	ng		98
78) Pyrene	19.762	202	92664	6.764	ng		99
80) Butylbenzylphthalate	20.650	149	32393	6.469	ng		93
81) Benzo(a)anthracene	21.503	228	102662	6.934	ng		99
82) 3,3'-Dichlorobenzidine	21.439	252	33933	7.117	ng		97
83) Chrysene	21.556	228	99022	6.882	ng		98
84) Bis(2-ethylhexyl)phtha...	21.415	149	43536	6.048	ng		98
85) Di-n-octyl phthalate	22.344	149	79452	6.273	ng	#	92
87) Indeno(1,2,3-cd)pyrene	26.444	276	130738	6.915	ng		97
88) Benzo(b)fluoranthene	23.191	252	110774	6.993	ng		99
89) Benzo(k)fluoranthene	23.244	252	108460m	6.621	ng		
90) Benzo(a)pyrene	23.827	252	96635	6.216	ng		98
91) Dibenzo(a,h)anthracene	26.462	278	111366	7.019	ng		97
92) Benzo(g,h,i)perylene	27.226	276	117073	7.438	ng		100

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

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