Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
Data File : BM038466.D
Acq On : 17 Jan 2023 16:16
Operator : CG/JU
Sample : N3980-02
Misc : LOQ-SOIL 5ppm
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 19 04:49:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 17 03:06:05 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/27/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.975	152	62676	20.000	ng		0.00
21) Naphthalene-d8	10.786	136	224585	20.000	ng		0.00
39) Acenaphthene-d10	14.610	164	137585	20.000	ng		0.00
64) Phenanthrene-d10	17.351	188	320180	20.000	ng		0.00
76) Chrysene-d12	21.527	240	342212	20.000	ng		0.00
86) Perylene-d12	23.950	264	416614	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	344324	83.801	ng		-0.01
7) Phenol-d6	7.134	99	419363	79.676	ng		-0.01
23) Nitrobenzene-d5	9.145	82	346002	62.773	ng		-0.01
42) 2,4,6-Tribromophenol	16.098	330	173681	74.673	ng		0.00
45) 2-Fluorobiphenyl	13.239	172	654387	59.315	ng		0.00
79) Terphenyl-d14	19.968	244	1193566	65.293	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.381	88	8656	4.610	ng		98
3) Pyridine	3.810	79	21344m	3.929	ng		
4) n-Nitrosodimethylamine	3.710	42	14646m	4.557	ng		
6) Aniline	7.304	93	27431	4.126	ng		97
8) 2-Chlorophenol	7.528	128	18247	4.485	ng		90
9) Benzaldehyde	7.116	77	17191	4.884	ng		94
10) Phenol	7.163	94	24860	4.532	ng		93
11) bis(2-Chloroethyl)ether	7.398	93	19132	4.304	ng		93
12) 1,3-Dichlorobenzene	7.857	146	20370	4.674	ng		99
13) 1,4-Dichlorobenzene	8.010	146	20805m	4.745	ng		
14) 1,2-Dichlorobenzene	8.328	146	20310	4.738	ng		97
15) Benzyl Alcohol	8.222	79	17460	4.142	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.510	45	29472	4.756	ng		97
17) 2-Methylphenol	8.422	107	14351	3.874	ng		93
18) Hexachloroethane	9.051	117	8672	4.829	ng		96
19) n-Nitroso-di-n-propyla...	8.781	70	15707	4.111	ng		97
20) 3+4-Methylphenols	8.751	107	18902	3.800	ng		95
22) Acetophenone	8.810	105	24729	3.725	ng	#	98
24) Nitrobenzene	9.187	77	27190	4.669	ng		95
25) Isophorone	9.710	82	39171	4.012	ng		97
26) 2-Nitrophenol	9.904	139	7946	3.886	ng	#	92
27) 2,4-Dimethylphenol	9.957	122	13903	3.993	ng		97
28) bis(2-Chloroethoxy)met...	10.198	93	22816	4.155	ng		94
29) 2,4-Dichlorophenol	10.434	162	14135	3.675	ng		97
30) 1,2,4-Trichlorobenzene	10.645	180	19023	4.277	ng		93
31) Naphthalene	10.839	128	49792	4.183	ng		95
32) Benzoic acid	10.034	122	4853m	6.594	ng		
33) 4-Chloroaniline	10.957	127	17897	3.426	ng	#	90
34) Hexachlorobutadiene	11.110	225	13037	4.180	ng		94
35) Caprolactam	11.739	113	2926	2.692	ng	#	86
36) 4-Chloro-3-methylphenol	12.069	107	15488	3.693	ng		94
37) 2-Methylnaphthalene	12.439	142	31713	3.644	ng		97
38) 1-Methylnaphthalene	12.663	142	30505	3.734	ng		97
40) 1,2,4,5-Tetrachloroben...	12.810	216	18243	3.543	ng		99
41) Hexachlorocyclopentadiene	12.775	237	11549	3.944	ng		99
43) 2,4,6-Trichlorophenol	13.051	196	12074	3.709	ng		99

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44) 2,4,5-Trichlorophenol	13.122	196	13374	3.485	ng		95
46) 1,1'-Biphenyl	13.445	154	38095	3.569	ng		96
47) 2-Chloronaphthalene	13.492	162	35362	4.209	ng		97
48) 2-Nitroaniline	13.704	65	10622	5.285	ng		97
49) Acenaphthylene	14.333	152	49764	3.757	ng		96
50) Dimethylphthalate	14.069	163	42762	3.835	ng	#	98
51) 2,6-Dinitrotoluene	14.192	165	8274	3.648	ng	#	84
52) Acenaphthene	14.674	154	32135	3.992	ng		98
53) 3-Nitroaniline	14.527	138	6946	5.278	ng		89
54) 2,4-Dinitrophenol	14.733	184	4075	7.516	ng		95
55) Dibenzofuran	15.004	168	53507	3.904	ng		99
56) 4-Nitrophenol	14.833	139	5194	6.337	ng	#	80
57) 2,4-Dinitrotoluene	14.980	165	9730	3.086	ng	#	95
58) Fluorene	15.657	166	41983	3.666	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.233	232	11399	3.350	ng		96
60) Diethylphthalate	15.421	149	43629	3.814	ng		99
61) 4-Chlorophenyl-phenyle...	15.645	204	22951	3.651	ng	#	88
62) 4-Nitroaniline	15.686	138	6868	5.360	ng		92
63) Azobenzene	15.939	77	47959	3.810	ng		97
65) 4,6-Dinitro-2-methylph...	15.745	198	5792	2.666	ng		96
66) n-Nitrosodiphenylamine	15.863	169	35191	3.746	ng		99
67) 4-Bromophenyl-phenylether	16.539	248	13692	3.697	ng		95
68) Hexachlorobenzene	16.657	284	16326	3.937	ng	#	93
69) Atrazine	16.810	200	10576	3.183	ng		91
70) Pentachlorophenol	17.004	266	8808	2.909	ng		91
71) Phenanthrene	17.392	178	69980	3.951	ng		99
72) Anthracene	17.486	178	66156	3.634	ng		99
73) Carbazole	17.762	167	59164	3.716	ng		97
74) Di-n-butylphthalate	18.309	149	71021	3.756	ng		99
75) Fluoranthene	19.404	202	80196	3.601	ng		98
77) Benzidine	19.598	184	26835	3.579	ng		98
78) Pyrene	19.768	202	85586	3.758	ng		98
80) Butylbenzylphthalate	20.656	149	30426	3.655	ng		89
81) Benzo(a)anthracene	21.509	228	97542	3.963	ng		99
82) 3,3'-Dichlorobenzidine	21.445	252	28343	3.576	ng		98
83) Chrysene	21.568	228	94287	3.942	ng		99
84) Bis(2-ethylhexyl)phtha...	21.427	149	44582	3.725	ng		98
85) Di-n-octyl phthalate	22.356	149	81834	3.887	ng		96
87) Indeno(1,2,3-cd)pyrene	26.468	276	115103	3.733	ng		99
88) Benzo(b)fluoranthene	23.209	252	102496m	3.968	ng		
89) Benzo(k)fluoranthene	23.256	252	102995	3.855	ng		99
90) Benzo(a)pyrene	23.839	252	92452	3.647	ng	#	98
91) Dibenzo(a,h)anthracene	26.485	278	102047	3.944	ng		98
92) Benzo(g,h,i)perylene	27.244	276	101496	3.954	ng		99

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

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