Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011823\
Data File : BM038482.D
Acq On : 18 Jan 2023 16:25
Operator : CG/JU
Sample : N3980-01
Misc : LOD-MDL- SOIL 4ppm
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/19/2023
Supervised By :Jagrut Upadhyay 01/19/2023

Quant Time: Jan 19 06:14:58 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.975	152	54505	20.000	ng		0.00
21) Naphthalene-d8	10.786	136	194318	20.000	ng		0.00
39) Acenaphthene-d10	14.610	164	116321	20.000	ng		0.00
64) Phenanthrene-d10	17.351	188	248506	20.000	ng		0.00
76) Chrysene-d12	21.521	240	240139	20.000	ng		0.00
86) Perylene-d12	23.944	264	278092	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	422522	118.248	ng		0.00
7) Phenol-d6	7.139	99	531815	116.189	ng		0.00
23) Nitrobenzene-d5	9.151	82	385919	80.921	ng		0.00
42) 2,4,6-Tribromophenol	16.098	330	220793	112.283	ng		0.00
45) 2-Fluorobiphenyl	13.239	172	731743	78.452	ng		0.00
79) Terphenyl-d14	19.962	244	1166416	90.929	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.381	88	7616	4.664	ng		88
3) Pyridine	3.822	79	13544m	2.867	ng		
4) n-Nitrosodimethylamine	3.716	42	10117	3.620	ng	#	96
6) Aniline	7.304	93	20133	3.482	ng		99
8) 2-Chlorophenol	7.534	128	13762	3.890	ng		96
9) Benzaldehyde	7.122	77	16064	5.248	ng		95
10) Phenol	7.163	94	17759	3.723	ng		84
11) bis(2-Chloroethyl)ether	7.398	93	14098	3.647	ng		99
12) 1,3-Dichlorobenzene	7.863	146	14453	3.814	ng		94
13) 1,4-Dichlorobenzene	8.010	146	14304	3.752	ng		95
14) 1,2-Dichlorobenzene	8.328	146	13972	3.748	ng		97
15) Benzyl Alcohol	8.228	79	12335	3.365	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.510	45	22176	4.115	ng		95
17) 2-Methylphenol	8.422	107	10093	3.133	ng	#	92
18) Hexachloroethane	9.051	117	5943	3.805	ng		90
19) n-Nitroso-di-n-propyla...	8.786	70	12030	3.621	ng		95
20) 3+4-Methylphenols	8.751	107	12888	2.980	ng		89
22) Acetophenone	8.810	105	21301	3.709	ng	#	95
24) Nitrobenzene	9.192	77	21130m	4.193	ng		
25) Isophorone	9.716	82	31902	3.776	ng		98
26) 2-Nitrophenol	9.904	139	5572	3.150	ng		92
27) 2,4-Dimethylphenol	9.957	122	9919	3.293	ng		93
28) bis(2-Chloroethoxy)met...	10.198	93	16563	3.486	ng		96
29) 2,4-Dichlorophenol	10.439	162	10369	3.116	ng		94
30) 1,2,4-Trichlorobenzene	10.651	180	13146	3.416	ng		97
31) Naphthalene	10.833	128	36077	3.503	ng		98
32) Benzoic acid	10.033	122	3822m	6.459	ng		
33) 4-Chloroaniline	10.963	127	13462	2.978	ng		96
34) Hexachlorobutadiene	11.116	225	8945	3.314	ng		94
35) Caprolactam	11.739	113	1984	2.109	ng	#	82
36) 4-Chloro-3-methylphenol	12.074	107	11311	3.117	ng		89
37) 2-Methylnaphthalene	12.445	142	23696	3.147	ng		95
38) 1-Methylnaphthalene	12.663	142	21618m	3.058	ng		
40) 1,2,4,5-Tetrachloroben...	12.804	216	15383	3.533	ng		97
41) Hexachlorocyclopentadiene	12.780	237	7874	3.181	ng		99
43) 2,4,6-Trichlorophenol	13.051	196	8826	3.207	ng		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.127	196	9597	2.958	ng		93
46) 1,1'-Biphenyl	13.445	154	33155	3.674	ng		95
47) 2-Chloronaphthalene	13.492	162	25590	3.603	ng		97
48) 2-Nitroaniline	13.704	65	7850	4.896	ng		85
49) Acenaphthylene	14.333	152	35916	3.207	ng		98
50) Dimethylphthalate	14.068	163	29884	3.170	ng	#	96
51) 2,6-Dinitrotoluene	14.192	165	5332	2.780	ng	#	76
52) Acenaphthene	14.674	154	22853	3.358	ng		95
53) 3-Nitroaniline	14.527	138	4347	4.596	ng		99
54) 2,4-Dinitrophenol	14.739	184	2628	7.023	ng	#	75
55) Dibenzofuran	15.004	168	38264	3.302	ng		98
56) 4-Nitrophenol	14.839	139	3108	5.648	ng		94
57) 2,4-Dinitrotoluene	14.980	165	6713	2.518	ng	#	80
58) Fluorene	15.651	166	29216	3.018	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.233	232	8027	2.790	ng	#	95
60) Diethylphthalate	15.421	149	30054	3.108	ng		99
61) 4-Chlorophenyl-phenyle...	15.645	204	15740	2.962	ng		92
62) 4-Nitroaniline	15.686	138	4030	4.615	ng		91
63) Azobenzene	15.939	77	35341	3.321	ng		96
65) 4,6-Dinitro-2-methylph...	15.739	198	3816	2.263	ng		94
66) n-Nitrosodiphenylamine	15.862	169	23350	3.202	ng		95
67) 4-Bromophenyl-phenylether	16.539	248	8915	3.101	ng		95
68) Hexachlorobenzene	16.657	284	11348	3.525	ng		96
69) Atrazine	16.809	200	9111	3.533	ng		95
70) Pentachlorophenol	17.004	266	5437	2.314	ng		88
71) Phenanthrene	17.392	178	47330	3.443	ng		98
72) Anthracene	17.486	178	43907	3.107	ng		98
73) Carbazole	17.756	167	37835	3.062	ng		98
74) Di-n-butylphthalate	18.309	149	45337	3.089	ng		99
75) Fluoranthene	19.403	202	50463	2.920	ng		99
77) Benzidine	19.597	184	17066m	3.243	ng		
78) Pyrene	19.768	202	53485	3.347	ng		99
80) Butylbenzylphthalate	20.650	149	18084	3.096	ng		88
81) Benzo(a)anthracene	21.509	228	57942	3.355	ng		99
82) 3,3'-Dichlorobenzidine	21.444	252	19850	3.569	ng		98
83) Chrysene	21.562	228	55829	3.326	ng		98
84) Bis(2-ethylhexyl)phtha...	21.421	149	25405	3.025	ng		98
85) Di-n-octyl phthalate	22.350	149	44864	3.036	ng	#	95
87) Indeno(1,2,3-cd)pyrene	26.456	276	64375	3.128	ng		97
88) Benzo(b)fluoranthene	23.203	252	58365	3.385	ng		98
89) Benzo(k)fluoranthene	23.250	252	58131m	3.260	ng		
90) Benzo(a)pyrene	23.833	252	50727	2.998	ng	#	96
91) Dibenzo(a,h)anthracene	26.474	278	57322	3.319	ng		98
92) Benzo(g,h,i)perylene	27.238	276	57054	3.330	ng		96

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

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