Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011723\
Data File : BM038464.D
Acq On : 17 Jan 2023 13:34
Operator : CG/JU
Sample : N3980-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 19 04:48:50 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 :
LOD-MDL-SOIL-01-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	37876	20.000	ng		0.00
21) Naphthalene-d8	10.786	136	125806	20.000	ng		0.00
39) Acenaphthene-d10	14.610	164	77116	20.000	ng		0.00
64) Phenanthrene-d10	17.351	188	179369	20.000	ng		0.00
76) Chrysene-d12	21.527	240	207289	20.000	ng		0.00
86) Perylene-d12	23.950	264	260850	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	341079	137.364	ng		-0.01
7) Phenol-d6	7.140	99	423470	133.137	ng		0.00
23) Nitrobenzene-d5	9.151	82	336824	109.088	ng		0.00
42) 2,4,6-Tribromophenol	16.098	330	179413	137.624	ng		0.00
45) 2-Fluorobiphenyl	13.239	172	656941	106.239	ng		0.00
79) Terphenyl-d14	19.968	244	1287251	116.252	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.381	88	6153	5.422	ng		95
3) Pyridine	3.822	79	14054m	4.282	ng		
4) n-Nitrosodimethylamine	3.716	42	10917m	5.621	ng		
6) Aniline	7.304	93	18498	4.604	ng		96
8) 2-Chlorophenol	7.540	128	11999	4.881	ng		99
9) Benzaldehyde	7.122	77	14234	6.692	ng		94
10) Phenol	7.163	94	17080	5.153	ng		81
11) bis(2-Chloroethyl)ether	7.398	93	12981	4.833	ng		99
12) 1,3-Dichlorobenzene	7.863	146	14493	5.503	ng		92
13) 1,4-Dichlorobenzene	8.016	146	13474	5.085	ng		98
14) 1,2-Dichlorobenzene	8.328	146	13746	5.306	ng		95
15) Benzyl Alcohol	8.222	79	11610	4.557	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.504	45	18527	4.947	ng		99
17) 2-Methylphenol	8.422	107	9310	4.159	ng	#	95
18) Hexachloroethane	9.057	117	5693	5.246	ng		91
19) n-Nitroso-di-n-propyla...	8.787	70	10711	4.639	ng	#	89
20) 3+4-Methylphenols	8.751	107	11987	3.988	ng		97
22) Acetophenone	8.810	105	18968	5.101	ng	#	95
24) Nitrobenzene	9.192	77	18837m	5.774	ng		
25) Isophorone	9.716	82	25470	4.657	ng		100
26) 2-Nitrophenol	9.910	139	4620	4.034	ng	#	85
27) 2,4-Dimethylphenol	9.963	122	8986	4.607	ng		98
28) bis(2-Chloroethoxy)met...	10.198	93	15145	4.924	ng	#	93
29) 2,4-Dichlorophenol	10.439	162	9251	4.294	ng		93
30) 1,2,4-Trichlorobenzene	10.651	180	12238	4.912	ng		95
31) Naphthalene	10.839	128	32946	4.941	ng		98
32) Benzoic acid	10.039	122	3447	6.997	ng		85
33) 4-Chloroaniline	10.963	127	12110	4.138	ng	#	90
34) Hexachlorobutadiene	11.116	225	8661	4.957	ng		96
35) Caprolactam	11.739	113	2381	3.910	ng		96
36) 4-Chloro-3-methylphenol	12.075	107	10455	4.451	ng		97
37) 2-Methylnaphthalene	12.445	142	20820	4.271	ng		92
38) 1-Methylnaphthalene	12.663	142	20166m	4.406	ng		
40) 1,2,4,5-Tetrachloroben...	12.810	216	14091	4.882	ng		98
41) Hexachlorocyclopentadiene	12.780	237	7052	4.297	ng		99
43) 2,4,6-Trichlorophenol	13.051	196	7838	4.296	ng		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.127	196	8770	4.077	ng		94
46) 1,1'-Biphenyl	13.445	154	30163	5.042	ng		99
47) 2-Chloronaphthalene	13.492	162	22514	4.781	ng		96
48) 2-Nitroaniline	13.704	65	6806	5.728	ng		85
49) Acenaphthylene	14.333	152	33033	4.449	ng		97
50) Dimethylphthalate	14.069	163	28329	4.533	ng		98
51) 2,6-Dinitrotoluene	14.198	165	5062	3.981	ng	#	84
52) Acenaphthene	14.674	154	20449	4.532	ng		95
53) 3-Nitroaniline	14.533	138	4326	5.570	ng		82
54) 2,4-Dinitrophenol	14.739	184	2494	7.707	ng	#	85
55) Dibenzofuran	15.010	168	35376	4.605	ng		98
56) 4-Nitrophenol	14.839	139	3115	6.502	ng		92
57) 2,4-Dinitrotoluene	14.980	165	6506	3.681	ng	#	93
58) Fluorene	15.657	166	27479	4.281	ng		94
59) 2,3,4,6-Tetrachlorophenol	15.233	232	7575	3.972	ng	#	96
60) Diethylphthalate	15.421	149	29049	4.531	ng		99
61) 4-Chlorophenyl-phenyle...	15.645	204	15383	4.366	ng		97
62) 4-Nitroaniline	15.686	138	4274	5.628	ng	#	74
63) Azobenzene	15.939	77	31522	4.468	ng		97
65) 4,6-Dinitro-2-methylph...	15.739	198	3695	3.036	ng		86
66) n-Nitrosodiphenylamine	15.863	169	22139	4.207	ng		95
67) 4-Bromophenyl-phenylether	16.539	248	9460	4.559	ng		94
68) Hexachlorobenzene	16.657	284	10863	4.676	ng		95
69) Atrazine	16.810	200	8926	4.796	ng		94
70) Pentachlorophenol	17.004	266	5759	3.395	ng		94
71) Phenanthrene	17.392	178	44805	4.515	ng		97
72) Anthracene	17.486	178	44636	4.377	ng		99
73) Carbazole	17.762	167	38271	4.291	ng		98
74) Di-n-butylphthalate	18.309	149	50385	4.757	ng		99
75) Fluoranthene	19.404	202	54780	4.391	ng		98
77) Benzidine	19.598	184	19473	4.287	ng		99
78) Pyrene	19.768	202	59062	4.281	ng		98
80) Butylbenzylphthalate	20.656	149	22654	4.493	ng		97
81) Benzo(a)anthracene	21.509	228	68172	4.573	ng		95
82) 3,3'-Dichlorobenzidine	21.445	252	24466	5.096	ng		95
83) Chrysene	21.562	228	66174	4.568	ng		98
84) Bis(2-ethylhexyl)phtha...	21.427	149	32210	4.444	ng		93
85) Di-n-octyl phthalate	22.350	149	59963	4.702	ng		96
87) Indeno(1,2,3-cd)pyrene	26.462	276	85525	4.430	ng		99
88) Benzo(b)fluoranthene	23.203	252	74958	4.634	ng		96
89) Benzo(k)fluoranthene	23.256	252	72492	4.334	ng		98
90) Benzo(a)pyrene	23.844	252	66295	4.177	ng		97
91) Dibenzo(a,h)anthracene	26.480	278	73561	4.541	ng		97
92) Benzo(g,h,i)perylene	27.244	276	76607	4.767	ng		94

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

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