Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022422\
Data File : BM034073.D
Acq On : 24 Feb 2022 18:40
Operator : CG/JU
Sample : N1650-02MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MSD

Quant Time: Feb 25 01:11:17 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 22 17:55:56 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.013	152	163779	20.000	ng		-0.01
21) Naphthalene-d8	10.831	136	602981	20.000	ng		# 0.00
39) Acenaphthene-d10	14.648	164	369818	20.000	ng		0.00
64) Phenanthrene-d10	17.389	188	733984	20.000	ng		# 0.00
76) Chrysene-d12	21.559	240	688859	20.000	ng		# 0.00
86) Perylene-d12	24.018	264	682223	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.566	112	1209433	131.638	ng		0.00
7) Phenol-d6	7.166	99	1351573	112.028	ng		0.00
23) Nitrobenzene-d5	9.178	82	1027677	91.975	ng		0.00
42) 2,4,6-Tribromophenol	16.130	330	690183	153.771	ng		0.00
45) 2-Fluorobiphenyl	13.278	172	2648440	95.412	ng		-0.01
79) Terphenyl-d14	20.001	244	3893047	98.411	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.437	88	148067	41.917	ng	#	47
3) Pyridine	3.849	79	269033	27.111	ng		88
4) n-Nitrosodimethylamine	3.743	42	243148	48.984	ng	#	82
6) Aniline	7.331	93	157668	11.827	ng		91
8) 2-Chlorophenol	7.572	128	515626	50.165	ng		83
9) Benzaldehyde	7.143	77	198469	29.304	ng		86
10) Phenol	7.196	94	516997	43.567	ng		91
11) bis(2-Chloroethyl)ether	7.425	93	443894	46.881	ng		90
12) 1,3-Dichlorobenzene	7.901	146	607028	50.242	ng	#	94
13) 1,4-Dichlorobenzene	8.048	146	623351	50.477	ng		93
14) 1,2-Dichlorobenzene	8.372	146	595798	49.433	ng		94
15) Benzyl Alcohol	8.248	79	427620	45.965	ng		92
16) 2,2'-oxybis(1-Chloropr...	8.548	45	513785	40.809	ng		93
17) 2-Methylphenol	8.454	107	391453	46.833	ng		95
18) Hexachloroethane	9.107	117	216124	51.137	ng	#	86
19) n-Nitroso-di-n-propyla...	8.825	70	346742	44.465	ng	#	93
20) 3+4-Methylphenols	8.784	107	518208	44.900	ng		94
22) Acetophenone	8.837	105	730398	50.149	ng	#	92
24) Nitrobenzene	9.219	77	539511	51.865	ng	#	88
25) Isophorone	9.748	82	917130	50.851	ng	#	93
26) 2-Nitrophenol	9.931	139	280764	57.285	ng	#	80
27) 2,4-Dimethylphenol	9.995	122	457190	57.737	ng		92
28) bis(2-Chloroethoxy)met...	10.231	93	548712	44.994	ng		98
29) 2,4-Dichlorophenol	10.472	162	513628	52.462	ng		94
30) 1,2,4-Trichlorobenzene	10.689	180	595036	51.771	ng		96
31) Naphthalene	10.878	128	1556738	50.251	ng		99
32) Benzoic acid	10.113	122	301115	50.211	ng	#	85
33) 4-Chloroaniline	10.984	127	112562	8.874	ng	#	89
34) Hexachlorobutadiene	11.178	225	379280	51.936	ng		96
35) Caprolactam	11.748	113	112430	56.967	ng	#	62
36) 4-Chloro-3-methylphenol	12.101	107	467647	48.509	ng	#	82
37) 2-Methylnaphthalene	12.483	142	1137383	50.323	ng		98
38) 1-Methylnaphthalene	12.701	142	1067134	48.424	ng		98
40) 1,2,4,5-Tetrachloroben...	12.854	216	671343	56.781	ng		98
41) Hexachlorocyclopentadiene	12.842	237	930383	134.707	ng		98
43) 2,4,6-Trichlorophenol	13.083	196	428331	57.288	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.154	196	449946	59.239	ng	#	90
46) 1,1'-Biphenyl	13.489	154	1495626	52.932	ng		96
47) 2-Chloronaphthalene	13.530	162	1164438	52.777	ng		94
48) 2-Nitroaniline	13.719	65	290171	55.379	ng	#	77
49) Acenaphthylene	14.372	152	1811081	54.773	ng		99
50) Dimethylphthalate	14.107	163	1413473	51.554	ng		98
51) 2,6-Dinitrotoluene	14.213	165	307516	56.682	ng	#	82
52) Acenaphthene	14.713	154	1304133	59.690	ng		99
53) 3-Nitroaniline	14.536	138	158169	29.147	ng		80
54) 2,4-Dinitrophenol	14.742	184	389972	126.499	ng	#	80
55) Dibenzofuran	15.048	168	1718778	50.363	ng		98
56) 4-Nitrophenol	14.842	139	468117	106.725	ng	#	80
57) 2,4-Dinitrotoluene	14.995	165	414753	58.788	ng	#	77
58) Fluorene	15.695	166	1422961	51.868	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.266	232	391791	52.661	ng	#	90
60) Diethylphthalate	15.466	149	1402606	51.159	ng		98
61) 4-Chlorophenyl-phenyle...	15.683	204	745895	50.770	ng		95
62) 4-Nitroaniline	15.695	138	279468	49.624	ng		85
63) Azobenzene	15.977	77	1131803	47.523	ng		93
65) 4,6-Dinitro-2-methylph...	15.760	198	231188	53.737	ng	#	70
66) n-Nitrosodiphenylamine	15.895	169	1163498	50.633	ng		99
67) 4-Bromophenyl-phenylether	16.577	248	457441	55.169	ng		93
68) Hexachlorobenzene	16.701	284	524724	54.924	ng	#	88
69) Atrazine	16.842	200	379719	49.955	ng		96
70) Pentachlorophenol	17.036	266	682207	118.202	ng		98
71) Phenanthrene	17.430	178	2135699	52.456	ng		99
72) Anthracene	17.518	178	2159185	54.496	ng		99
73) Carbazole	17.783	167	1829350	49.037	ng		99
74) Di-n-butylphthalate	18.360	149	2262160	53.306	ng		99
75) Fluoranthene	19.442	202	2421336	54.132	ng		96
77) Benzidine	19.612	184	313957	24.473	ng		98
78) Pyrene	19.801	202	2456219	51.918	ng		99
80) Butylbenzylphthalate	20.695	149	944520	52.428	ng		86
81) Benzo(a)anthracene	21.542	228	2322786	51.823	ng		99
82) 3,3'-Dichlorobenzidine	21.471	252	439963	29.065	ng		98
83) Chrysene	21.601	228	2221222	51.879	ng		99
84) Bis(2-ethylhexyl)phtha...	21.477	149	1396701	50.752	ng	#	98
85) Di-n-octyl phthalate	22.424	149	2212797	50.732	ng	#	90
87) Indeno(1,2,3-cd)pyrene	26.594	276	2983169	61.505	ng	#	95
88) Benzo(b)fluoranthene	23.271	252	2444420	57.175	ng	#	97
89) Benzo(k)fluoranthene	23.318	252	2277382	53.397	ng	#	97
90) Benzo(a)pyrene	23.912	252	2294506	65.311	ng		98
91) Dibenzo(a,h)anthracene	26.612	278	2587607	63.436	ng		96
92) Benzo(g,h,i)perylene	27.382	276	2594643	65.660	ng		96

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

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