Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072021\
Data File : BM031023.D
Acq On : 20 Jul 2021 14:38
Operator : CG/JU
Sample : M2940-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations APPROVED
mohammad
7/21/2021 11:26:30 AM

Quant Time: Jul 20 15:07:07 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 20 13:21:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.640	152	54468	20.000	ng		0.00
21) Naphthalene-d8	10.404	136	234178	20.000	ng	#	0.00
39) Acenaphthene-d10	14.269	164	170786	20.000	ng		0.00
64) Phenanthrene-d10	17.015	188	395531	20.000	ng		0.00
76) Chrysene-d12	21.203	240	485300	20.000	ng		0.00
86) Perylene-d12	23.386	264	564977	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.257	112	350362	115.507	ng		0.00
7) Phenol-d6	6.822	99	500757	113.883	ng		0.00
23) Nitrobenzene-d5	8.787	82	308699	66.187	ng		0.00
42) 2,4,6-Tribromophenol	15.763	330	268502	120.395	ng		0.00
45) 2-Fluorobiphenyl	12.886	172	736238	64.321	ng		0.00
79) Terphenyl-d14	19.656	244	1581396	64.473	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.246	88	5263	4.318	ng	#	94
3) Pyridine	3.634	79	11279	3.271	ng	#	83
4) n-Nitrosodimethylamine	3.546	42	7829	3.995	ng	#	79
6) Aniline	6.981	93	20240	4.287	ng		97
8) 2-Chlorophenol	7.204	128	14112	3.952	ng		97
9) Benzaldehyde	6.793	77	14202m	5.421	ng		
10) Phenol	6.846	94	16323	3.832	ng		87
11) bis(2-Chloroethyl)ether	7.075	93	13041	4.135	ng		96
12) 1,3-Dichlorobenzene	7.528	146	15720	4.049	ng		95
13) 1,4-Dichlorobenzene	7.675	146	17375	4.398	ng		96
14) 1,2-Dichlorobenzene	7.981	146	15560	4.032	ng		96
15) Benzyl Alcohol	7.875	79	14466	3.908	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.169	45	16709	4.235	ng		99
17) 2-Methylphenol	8.075	107	11553	3.876	ng		93
18) Hexachloroethane	8.698	117	5920	3.882	ng		92
19) n-Nitroso-di-n-propyla...	8.440	70	11696	3.766	ng		94
20) 3+4-Methylphenols	8.398	107	15685	3.722	ng		96
22) Acetophenone	8.451	105	24454	4.218	ng	#	96
24) Nitrobenzene	8.828	77	20568	4.367	ng		95
25) Isophorone	9.351	82	29708	3.562	ng		98
26) 2-Nitrophenol	9.534	139	7167	3.614	ng		90
27) 2,4-Dimethylphenol	9.592	122	13856	4.435	ng		89
28) bis(2-Chloroethoxy)met...	9.834	93	17892	4.255	ng		93
29) 2,4-Dichlorophenol	10.057	162	12938	3.501	ng		92
30) 1,2,4-Trichlorobenzene	10.269	180	16338	4.026	ng		94
31) Naphthalene	10.457	128	48063	3.989	ng		99
32) Benzoic acid	9.651	122	7472	2.807	ng		87
33) 4-Chloroaniline	10.569	127	20261	3.898	ng		96
34) Hexachlorobutadiene	10.739	225	10169	3.902	ng		96
35) Caprolactam	11.339	113	4166	3.353	ng		85
36) 4-Chloro-3-methylphenol	11.692	107	15035	3.565	ng		95
37) 2-Methylnaphthalene	12.069	142	35579	3.831	ng		95
38) 1-Methylnaphthalene	12.292	142	33159	3.749	ng	#	95
40) 1,2,4,5-Tetrachloroben...	12.439	216	19508	4.100	ng		96
41) Hexachlorocyclopentadiene	12.422	237	12711	4.802	ng		98
43) 2,4,6-Trichlorophenol	12.686	196	11745	3.514	ng		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.757	196	13740	3.713	ng		94
46) 1,1'-Biphenyl	13.098	154	49047	4.050	ng		99
47) 2-Chloronaphthalene	13.133	162	38003	4.007	ng		94
48) 2-Nitroaniline	13.345	65	10161	3.362	ng		93
49) Acenaphthylene	13.986	152	57127	3.768	ng		98
50) Dimethylphthalate	13.733	163	48888	3.816	ng		98
51) 2,6-Dinitrotoluene	13.851	165	10162	3.541	ng	#	80
52) Acenaphthene	14.333	154	36671	3.844	ng		96
53) 3-Nitroaniline	14.174	138	9738	3.359	ng		98
54) 2,4-Dinitrophenol	14.386	184	4868	2.877	ng	#	87
55) Dibenzofuran	14.669	168	60594	3.872	ng		92
56) 4-Nitrophenol	14.486	139	8392	3.273	ng	#	84
57) 2,4-Dinitrotoluene	14.639	165	13250	3.316	ng	#	79
58) Fluorene	15.321	166	48228	3.654	ng		98
59) 2,3,4,6-Tetrachlorophenol	14.898	232	11610	3.367	ng	#	91
60) Diethylphthalate	15.110	149	52761	3.842	ng		95
61) 4-Chlorophenyl-phenyle...	15.321	204	25991	3.976	ng	#	88
62) 4-Nitroaniline	15.345	138	10740	3.358	ng		86
63) Azobenzene	15.616	77	49578	3.627	ng		92
65) 4,6-Dinitro-2-methylph...	15.398	198	7216	2.909	ng		82
66) n-Nitrosodiphenylamine	15.539	169	43036	3.702	ng		95
67) 4-Bromophenyl-phenylether	16.216	248	15053	3.678	ng	#	86
68) Hexachlorobenzene	16.321	284	17951	3.893	ng		93
69) Atrazine	16.492	200	16629	3.896	ng		91
70) Pentachlorophenol	16.663	266	10264	3.404	ng		92
71) Phenanthrene	17.057	178	84693	3.867	ng		97
72) Anthracene	17.145	178	83799	3.880	ng		99
73) Carbazole	17.421	167	75761	3.543	ng		98
74) Di-n-butylphthalate	17.998	149	87660	3.490	ng	#	97
75) Fluoranthene	19.074	202	100696	3.674	ng		98
77) Benzidine	19.268	184	49942	4.168	ng		98
78) Pyrene	19.439	202	106405	3.511	ng		99
80) Butylbenzylphthalate	20.356	149	42411	3.278	ng		96
81) Benzo(a)anthracene	21.192	228	117835	3.664	ng		97
82) 3,3'-Dichlorobenzidine	21.133	252	41087	4.660	ng		96
83) Chrysene	21.239	228	117880	3.773	ng		99
84) Bis(2-ethylhexyl)phtha...	21.139	149	66205	3.302	ng	#	95
85) Di-n-octyl phthalate	22.009	149	117519	3.423	ng		98
87) Indeno(1,2,3-cd)pyrene	25.544	276	161321	3.996	ng		99
88) Benzo(b)fluoranthene	22.733	252	133237	3.559	ng		97
89) Benzo(k)fluoranthene	22.780	252	129918	3.711	ng		99
90) Benzo(a)pyrene	23.292	252	131722	3.909	ng		98
91) Dibenzo(a,h)anthracene	25.562	278	135734	3.884	ng		97
92) Benzo(g,h,i)perylene	26.209	276	135920	4.082	ng		97

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

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