Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072021\
Data File : BM031028.D
Acq On : 20 Jul 2021 18:23
Operator : CG/JU
Sample : M2940-01
Misc : LOD-MDL-SOIL 8ppm
ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
7/21/2021 11:26:42 AM

Quant Time: Jul 21 01:39:08 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	64547	20.000	ng		0.00
21) Naphthalene-d8	10.404	136	271848	20.000	ng		# 0.00
39) Acenaphthene-d10	14.269	164	202908	20.000	ng		0.00
64) Phenanthrene-d10	17.015	188	478266	20.000	ng		0.00
76) Chrysene-d12	21.203	240	612337	20.000	ng		0.00
86) Perylene-d12	23.380	264	698911	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.257	112	454453	126.429	ng		0.00
7) Phenol-d6	6.822	99	655432	125.784	ng		0.00
23) Nitrobenzene-d5	8.787	82	489826	90.469	ng		0.00
42) 2,4,6-Tribromophenol	15.763	330	367817	138.818	ng		0.00
45) 2-Fluorobiphenyl	12.886	172	1179253	86.715	ng		0.00
79) Terphenyl-d14	19.656	244	2690081	86.920	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.246	88	12978	8.985	ng	#	92
3) Pyridine	3.628	79	27928	6.835	ng	#	84
4) n-Nitrosodimethylamine	3.546	42	18358	7.905	ng	#	79
6) Aniline	6.981	93	47818	8.548	ng		97
8) 2-Chlorophenol	7.204	128	32817	7.756	ng		98
9) Benzaldehyde	6.793	77	30694m	9.886	ng		
10) Phenol	6.846	94	38634	7.653	ng		85
11) bis(2-Chloroethyl)ether	7.081	93	29056	7.775	ng		95
12) 1,3-Dichlorobenzene	7.528	146	36195	7.867	ng	#	93
13) 1,4-Dichlorobenzene	7.675	146	36334	7.760	ng		94
14) 1,2-Dichlorobenzene	7.987	146	35534	7.770	ng		96
15) Benzyl Alcohol	7.881	79	33459	7.628	ng		93
16) 2,2'-oxybis(1-Chloropr...	8.169	45	37218	7.960	ng		97
17) 2-Methylphenol	8.075	107	27226	7.709	ng		92
18) Hexachloroethane	8.704	117	14055	7.777	ng		95
19) n-Nitroso-di-n-propyla...	8.440	70	27197	7.390	ng		99
20) 3+4-Methylphenols	8.398	107	36181	7.244	ng		96
22) Acetophenone	8.451	105	55879	8.303	ng	#	93
24) Nitrobenzene	8.828	77	46094	8.431	ng		97
25) Isophorone	9.351	82	72147	7.452	ng		98
26) 2-Nitrophenol	9.528	139	16886	7.335	ng	#	89
27) 2,4-Dimethylphenol	9.592	122	31745	8.752	ng		94
28) bis(2-Chloroethoxy)met...	9.834	93	41728	8.548	ng		96
29) 2,4-Dichlorophenol	10.057	162	31820	7.417	ng		97
30) 1,2,4-Trichlorobenzene	10.269	180	36730	7.797	ng		94
31) Naphthalene	10.451	128	110689	7.914	ng		99
32) Benzoic acid	9.663	122	15989	5.174	ng		93
33) 4-Chloroaniline	10.569	127	49082	8.134	ng		96
34) Hexachlorobutadiene	10.739	225	23365	7.724	ng		91
35) Caprolactam	11.345	113	10828	7.508	ng		95
36) 4-Chloro-3-methylphenol	11.692	107	36800	7.516	ng		97
37) 2-Methylnaphthalene	12.069	142	82033	7.609	ng	#	95
38) 1-Methylnaphthalene	12.292	142	78514m	7.648	ng		
40) 1,2,4,5-Tetrachloroben...	12.439	216	43984	7.780	ng	#	96
41) Hexachlorocyclopentadiene	12.422	237	30228	9.612	ng		98
43) 2,4,6-Trichlorophenol	12.686	196	27514	6.928	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.757	196	32317	7.350	ng	#	94
46) 1,1'-Biphenyl	13.098	154	113332	7.877	ng		97
47) 2-Chloronaphthalene	13.133	162	87108	7.730	ng	#	93
48) 2-Nitroaniline	13.345	65	26405	7.353	ng		94
49) Acenaphthylene	13.986	152	138071	7.665	ng		99
50) Dimethylphthalate	13.733	163	117553	7.724	ng		99
51) 2,6-Dinitrotoluene	13.851	165	24305	7.129	ng	#	77
52) Acenaphthene	14.333	154	84534	7.457	ng		98
53) 3-Nitroaniline	14.180	138	24766	7.191	ng		99
54) 2,4-Dinitrophenol	14.386	184	12539	6.236	ng		93
55) Dibenzofuran	14.669	168	142313	7.655	ng		93
56) 4-Nitrophenol	14.486	139	21933	7.201	ng	#	76
57) 2,4-Dinitrotoluene	14.639	165	33854	7.132	ng	#	83
58) Fluorene	15.321	166	115907	7.391	ng		97
59) 2,3,4,6-Tetrachlorophenol	14.892	232	28931	7.061	ng	#	91
60) Diethylphthalate	15.110	149	127645	7.823	ng		97
61) 4-Chlorophenyl-phenyle...	15.321	204	60354	7.772	ng	#	89
62) 4-Nitroaniline	15.345	138	27409	7.214	ng	#	82
63) Azobenzene	15.616	77	124646	7.675	ng		90
65) 4,6-Dinitro-2-methylph...	15.398	198	18037	6.013	ng		82
66) n-Nitrosodiphenylamine	15.539	169	103740	7.380	ng		98
67) 4-Bromophenyl-phenylether	16.215	248	37269	7.532	ng		90
68) Hexachlorobenzene	16.316	284	42449	7.613	ng	#	90
69) Atrazine	16.492	200	41953	8.129	ng		97
70) Pentachlorophenol	16.663	266	25027	6.865	ng		98
71) Phenanthrene	17.057	178	201569	7.611	ng		99
72) Anthracene	17.145	178	206431	7.904	ng		99
73) Carbazole	17.421	167	192525	7.447	ng		98
74) Di-n-butylphthalate	17.998	149	227895	7.504	ng	#	97
75) Fluoranthene	19.074	202	250509	7.558	ng		99
77) Benzidine	19.268	184	149071	9.861	ng		99
78) Pyrene	19.439	202	269058	7.036	ng		99
80) Butylbenzylphthalate	20.356	149	113879	6.975	ng		97
81) Benzo(a)anthracene	21.186	228	303736	7.485	ng		98
82) 3,3'-Dichlorobenzidine	21.127	252	111879	10.057	ng		100
83) Chrysene	21.239	228	292270	7.413	ng		99
84) Bis(2-ethylhexyl)phtha...	21.139	149	185647	7.339	ng		94
85) Di-n-octyl phthalate	22.003	149	327072	7.551	ng		97
87) Indeno(1,2,3-cd)pyrene	25.544	276	386029	7.729	ng		99
88) Benzo(b)fluoranthene	22.727	252	331817	7.165	ng		99
89) Benzo(k)fluoranthene	22.774	252	320762	7.406	ng		100
90) Benzo(a)pyrene	23.286	252	327421	7.854	ng		99
91) Dibenzo(a,h)anthracene	25.556	278	326109	7.543	ng		98
92) Benzo(g,h,i)perylene	26.203	276	317436	7.706	ng		99

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

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