Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072021\
Data File : BM031029.D
Acq On : 20 Jul 2021 19:00
Operator : CG/JU
Sample : M2940-02
Misc : LOQ-SOIL 5ppm
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations APPROVED
mohammad
7/21/2021 11:26:46 AM

Quant Time: Jul 21 01:39:31 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	51860	20.000	ng		0.00
21) Naphthalene-d8	10.404	136	226840	20.000	ng		0.00
39) Acenaphthene-d10	14.269	164	164413	20.000	ng		0.00
64) Phenanthrene-d10	17.016	188	375152	20.000	ng		0.00
76) Chrysene-d12	21.204	240	451221	20.000	ng		0.00
86) Perylene-d12	23.380	264	502610	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.258	112	364915	126.355	ng		0.00
7) Phenol-d6	6.816	99	509409	121.677	ng		0.00
23) Nitrobenzene-d5	8.787	82	354459	78.457	ng		0.00
42) 2,4,6-Tribromophenol	15.763	330	255204	118.868	ng		0.00
45) 2-Fluorobiphenyl	12.886	172	830746	75.391	ng		0.00
79) Terphenyl-d14	19.657	244	1743917	76.468	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.240	88	6516	5.615	ng		92
3) Pyridine	3.634	79	13825	4.211	ng	#	90
4) n-Nitrosodimethylamine	3.546	42	8436	4.521	ng	#	75
6) Aniline	6.981	93	23134	5.147	ng		96
8) 2-Chlorophenol	7.204	128	15675	4.611	ng		95
9) Benzaldehyde	6.793	77	14941m	5.989	ng		
10) Phenol	6.840	94	18526	4.567	ng		79
11) bis(2-Chloroethyl)ether	7.081	93	14774	4.920	ng		94
12) 1,3-Dichlorobenzene	7.528	146	17402m	4.708	ng		
13) 1,4-Dichlorobenzene	7.675	146	18683	4.966	ng		94
14) 1,2-Dichlorobenzene	7.981	146	17591	4.787	ng		97
15) Benzyl Alcohol	7.881	79	15640	4.438	ng		93
16) 2,2'-oxybis(1-Chloropr...	8.157	45	18773	4.997	ng		95
17) 2-Methylphenol	8.075	107	12277	4.326	ng	#	90
18) Hexachloroethane	8.704	117	6472	4.457	ng		88
19) n-Nitroso-di-n-propyla...	8.440	70	12602	4.262	ng	#	85
20) 3+4-Methylphenols	8.399	107	17242	4.297	ng		93
22) Acetophenone	8.451	105	27148	4.835	ng	#	91
24) Nitrobenzene	8.828	77	21493	4.711	ng		94
25) Isophorone	9.351	82	33603	4.159	ng		97
26) 2-Nitrophenol	9.534	139	7530	3.920	ng		98
27) 2,4-Dimethylphenol	9.593	122	15053	4.974	ng		96
28) bis(2-Chloroethoxy)met...	9.834	93	19675	4.830	ng		94
29) 2,4-Dichlorophenol	10.057	162	14326	4.002	ng		98
30) 1,2,4-Trichlorobenzene	10.269	180	17887	4.550	ng		89
31) Naphthalene	10.451	128	53445	4.579	ng		98
32) Benzoic acid	9.651	122	7278	2.822	ng		92
33) 4-Chloroaniline	10.569	127	22350	4.439	ng		96
34) Hexachlorobutadiene	10.740	225	11356	4.499	ng		92
35) Caprolactam	11.334	113	4667	3.878	ng		91
36) 4-Chloro-3-methylphenol	11.692	107	16235	3.974	ng		97
37) 2-Methylnaphthalene	12.069	142	39020m	4.337	ng		
38) 1-Methylnaphthalene	12.292	142	36566	4.268	ng		95
40) 1,2,4,5-Tetrachloroben...	12.445	216	21109	4.608	ng		98
41) Hexachlorocyclopentadiene	12.422	237	13015	5.107	ng		98
43) 2,4,6-Trichlorophenol	12.686	196	11837	3.679	ng		95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.751	196	13912	3.905	ng		93
46) 1,1'-Biphenyl	13.098	154	54987	4.717	ng		99
47) 2-Chloronaphthalene	13.134	162	41067	4.497	ng	#	92
48) 2-Nitroaniline	13.345	65	10699	3.677	ng		95
49) Acenaphthylene	13.986	152	62806	4.303	ng		98
50) Dimethylphthalate	13.733	163	54684	4.434	ng		99
51) 2,6-Dinitrotoluene	13.851	165	10839	3.924	ng		91
52) Acenaphthene	14.328	154	40299	4.388	ng		92
53) 3-Nitroaniline	14.180	138	10792	3.867	ng		94
54) 2,4-Dinitrophenol	14.380	184	4693	2.881	ng	#	79
55) Dibenzofuran	14.669	168	64136	4.258	ng		93
56) 4-Nitrophenol	14.486	139	9316	3.775	ng		88
57) 2,4-Dinitrotoluene	14.639	165	13044	3.391	ng	#	87
58) Fluorene	15.322	166	52187	4.107	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.892	232	12906	3.887	ng	#	88
60) Diethylphthalate	15.110	149	55644	4.209	ng		98
61) 4-Chlorophenyl-phenyle...	15.322	204	26497	4.211	ng	#	84
62) 4-Nitroaniline	15.339	138	11477	3.728	ng		92
63) Azobenzene	15.616	77	52101	3.959	ng		94
65) 4,6-Dinitro-2-methylph...	15.398	198	7361	3.128	ng		91
66) n-Nitrosodiphenylamine	15.539	169	43942	3.985	ng		99
67) 4-Bromophenyl-phenylether	16.216	248	16088	4.145	ng	#	87
68) Hexachlorobenzene	16.316	284	19082	4.363	ng	#	87
69) Atrazine	16.492	200	17745	4.384	ng		92
70) Pentachlorophenol	16.669	266	10796	3.775	ng		86
71) Phenanthrene	17.057	178	89447	4.306	ng		98
72) Anthracene	17.145	178	88568	4.323	ng		98
73) Carbazole	17.421	167	82255	4.056	ng		98
74) Di-n-butylphthalate	17.998	149	91834	3.855	ng	#	98
75) Fluoranthene	19.074	202	106785	4.107	ng		99
77) Benzidine	19.268	184	57805	5.189	ng		100
78) Pyrene	19.433	202	113754	4.037	ng		99
80) Butylbenzylphthalate	20.357	149	43471	3.613	ng		93
81) Benzo(a)anthracene	21.186	228	125836	4.208	ng		97
82) 3,3'-Dichlorobenzidine	21.127	252	44911	5.479	ng		98
83) Chrysene	21.239	228	124872	4.298	ng		97
84) Bis(2-ethylhexyl)phtha...	21.139	149	70285	3.771	ng		94
85) Di-n-octyl phthalate	22.004	149	121704	3.813	ng		96
87) Indeno(1,2,3-cd)pyrene	25.539	276	158906	4.424	ng		99
88) Benzo(b)fluoranthene	22.727	252	139934	4.202	ng		99
89) Benzo(k)fluoranthene	22.774	252	132471	4.253	ng		100
90) Benzo(a)pyrene	23.280	252	132132	4.407	ng		98
91) Dibenzo(a,h)anthracene	25.556	278	133869	4.306	ng		98
92) Benzo(g,h,i)perylene	26.203	276	132441	4.471	ng		97

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

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