Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080521\
Data File : BF124945.D
Acq On : 5 Aug 2021 11:09
Operator : JU/CG
Sample : M2262-01
Misc : LOD-MDL-SOIL 8ppm
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2021

Manual Integrations APPROVED
mohammad
8/6/2021 2:46:41 PM

Quant Time: Aug 05 11:47:42 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 04 17:59:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.834	152	7348	20.000	ng		0.00
21) Naphthalene-d8	8.122	136	26618	20.000	ng	#	0.00
39) Acenaphthene-d10	9.875	164	14680	20.000	ng		0.00
64) Phenanthrene-d10	11.357	188	25493	20.000	ng		0.00
76) Chrysene-d12	13.998	240	19276	20.000	ng	#	0.00
86) Perylene-d12	15.457	264	16471	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.451	112	45374	101.154	ng		0.00
7) Phenol-d6	6.469	99	56151	99.275	ng		0.00
23) Nitrobenzene-d5	7.404	82	34550	67.902	ng		0.00
42) 2,4,6-Tribromophenol	10.663	330	14118	107.647	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	69306	69.081	ng		0.00
79) Terphenyl-d14	12.945	244	73258	64.107	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.593	88	1456	8.676	ng	#	100
3) Pyridine	3.404	79	2175m	5.578	ng		
4) n-Nitrosodimethylamine	3.281	42	1705	6.157	ng		92
6) Aniline	6.498	93	5467	9.150	ng		95
8) 2-Chlorophenol	6.622	128	4183	8.501	ng		82
9) Benzaldehyde	6.387	77	2928	9.515	ng		87
10) Phenol	6.481	94	4627	7.928	ng		93
11) bis(2-Chloroethyl)ether	6.575	93	3825	8.737	ng		90
12) 1,3-Dichlorobenzene	6.775	146	4614	8.616	ng		99
13) 1,4-Dichlorobenzene	6.851	146	4380	8.181	ng		93
14) 1,2-Dichlorobenzene	7.004	146	4213	8.397	ng		96
15) Benzyl Alcohol	6.975	79	3103	7.606	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.110	45	5628	8.024	ng		95
17) 2-Methylphenol	7.081	107	2976	8.080	ng		88
18) Hexachloroethane	7.351	117	1709	8.153	ng		89
19) n-Nitroso-di-n-propyla...	7.239	70	2518	7.503	ng	#	96
20) 3+4-Methylphenols	7.239	107	3985	8.150	ng	#	57
22) Acetophenone	7.239	105	5603	8.595	ng	#	88
24) Nitrobenzene	7.416	77	4006	8.136	ng	#	93
25) Isophorone	7.651	82	7197	8.287	ng	#	90
26) 2-Nitrophenol	7.734	139	1949	7.795	ng	#	86
27) 2,4-Dimethylphenol	7.769	122	3334	9.407	ng		88
28) bis(2-Chloroethoxy)met...	7.863	93	4671	9.450	ng		98
29) 2,4-Dichlorophenol	7.975	162	3385	8.572	ng		91
30) 1,2,4-Trichlorobenzene	8.057	180	3659	8.269	ng		97
31) Naphthalene	8.139	128	11542	8.440	ng		97
32) Benzoic acid	7.863	122	137	7.992	ng	#	49
33) 4-Chloroaniline	8.186	127	4809	9.436	ng		98
34) Hexachlorobutadiene	8.257	225	2042	7.727	ng		95
35) Caprolactam	8.528	113	890	8.488	ng	#	83
36) 4-Chloro-3-methylphenol	8.663	107	3141	7.604	ng		97
37) 2-Methylnaphthalene	8.828	142	7790	8.472	ng		98
38) 1-Methylnaphthalene	8.928	142	6923	8.047	ng		100
40) 1,2,4,5-Tetrachloroben...	8.998	216	3646	8.653	ng		97
41) Hexachlorocyclopentadiene	8.981	237	835	10.246	ng		95
43) 2,4,6-Trichlorophenol	9.110	196	2190	7.807	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.145	196	2237	7.878	ng		91
46) 1,1'-Biphenyl	9.292	154	9699	8.866	ng		95
47) 2-Chloronaphthalene	9.322	162	7446	8.555	ng		98
48) 2-Nitroaniline	9.410	65	2220	8.683	ng	#	77
49) Acenaphthylene	9.733	152	11406	8.628	ng		96
50) Dimethylphthalate	9.586	163	8540	8.585	ng	#	95
51) 2,6-Dinitrotoluene	9.651	165	1761	7.950	ng	#	84
52) Acenaphthene	9.904	154	6640	8.285	ng		97
53) 3-Nitroaniline	9.822	138	1925	8.251	ng	#	89
54) 2,4-Dinitrophenol	9.933	184	287	7.808	ng		93
55) Dibenzofuran	10.075	168	10457	8.349	ng		99
56) 4-Nitrophenol	9.980	139	1029	6.691	ng		87
57) 2,4-Dinitrotoluene	10.057	165	2318	7.707	ng		90
58) Fluorene	10.422	166	8062	8.394	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.192	232	1622	7.613	ng	#	78
60) Diethylphthalate	10.292	149	8820	8.640	ng		93
61) 4-Chlorophenyl-phenyle...	10.410	204	3876	8.546	ng		99
62) 4-Nitroaniline	10.433	138	1723	7.606	ng	#	81
63) Azobenzene	10.575	77	8340	8.354	ng		93
65) 4,6-Dinitro-2-methylph...	10.463	198	938	5.873	ng		86
66) n-Nitrosodiphenylamine	10.527	169	6954	8.416	ng		93
67) 4-Bromophenyl-phenylether	10.904	248	2222	7.958	ng	#	87
68) Hexachlorobenzene	10.969	284	2585	8.510	ng	#	84
69) Atrazine	11.051	200	2195	8.841	ng		94
70) Pentachlorophenol	11.163	266	390	6.185	ng	#	71
71) Phenanthrene	11.380	178	11850	8.569	ng		98
72) Anthracene	11.433	178	12136	8.748	ng		97
73) Carbazole	11.586	167	10750	8.450	ng		97
74) Di-n-butylphthalate	11.916	149	13721	8.486	ng		97
75) Fluoranthene	12.569	202	11468	8.016	ng		94
77) Benzidine	12.692	184	6407	12.422	ng	#	97
78) Pyrene	12.798	202	12741	8.392	ng		97
80) Butylbenzylphthalate	13.416	149	5709	8.449	ng		99
81) Benzo(a)anthracene	13.986	228	10021	7.977	ng		96
82) 3,3'-Dichlorobenzidine	13.951	252	3560	10.750	ng		88
83) Chrysene	14.021	228	9899	8.152	ng		96
84) Bis(2-ethylhexyl)phtha...	13.974	149	7619	8.129	ng	#	98
85) Di-n-octyl phthalate	14.586	149	12341	8.346	ng	#	98
87) Indeno(1,2,3-cd)pyrene	16.915	276	7223	7.364	ng	#	92
88) Benzo(b)fluoranthene	15.027	252	9185	7.942	ng		98
89) Benzo(k)fluoranthene	15.057	252	8473	8.054	ng	#	95
90) Benzo(a)pyrene	15.392	252	8400	8.529	ng	#	93
91) Dibenzo(a,h)anthracene	16.927	278	5905	6.847	ng	#	92
92) Benzo(g,h,i)perylene	17.356	276	6127	7.406	ng	#	87

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

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