Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072321\
Data File : BG049425.D
Acq On : 23 Jul 2021 12:57
Operator : CG/JU
Sample : M2940-03
Misc : MDL-MDL-SOIL 4ppm
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2021

Manual Integrations APPROVED
mohammad
7/26/2021 1:24:59 PM

Quant Time: Jul 23 13:32:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 23 11:17:24 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.049	152	22953	20.000	ng		0.00
21) Naphthalene-d8	10.869	136	89079	20.000	ng	#	0.00
39) Acenaphthene-d10	14.699	164	60697	20.000	ng		0.00
64) Phenanthrene-d10	17.448	188	132869	20.000	ng	#	0.00
76) Chrysene-d12	21.730	240	146337	20.000	ng		0.00
86) Perylene-d12	25.008	264	156333	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.599	112	148573	109.820	ng		0.00
7) Phenol-d6	7.203	99	214199	108.715	ng		0.00
23) Nitrobenzene-d5	9.218	82	125795	63.271	ng		0.00
42) 2,4,6-Tribromophenol	16.191	330	94942	116.802	ng		0.00
45) 2-Fluorobiphenyl	13.318	172	264944	62.809	ng		0.00
79) Terphenyl-d14	20.056	244	454209	60.617	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.473	88	2698	4.402	ng	#	84
3) Pyridine	3.913	79	5514	3.530	ng	#	83
4) n-Nitrosodimethylamine	3.814	42	2879	3.754	ng	#	45
6) Aniline	7.373	93	8889	4.172	ng		98
8) 2-Chlorophenol	7.614	128	5450	3.929	ng		84
9) Benzaldehyde	7.185	77	6566	5.016	ng	#	79
10) Phenol	7.227	94	7345	3.914	ng	#	76
11) bis(2-Chloroethyl)ether	7.467	93	4719	3.670	ng		92
12) 1,3-Dichlorobenzene	7.943	146	6158m	3.754	ng		
13) 1,4-Dichlorobenzene	8.084	146	6796	4.161	ng		97
14) 1,2-Dichlorobenzene	8.407	146	6030	3.821	ng		96
15) Benzyl Alcohol	8.296	79	5842	3.627	ng		92
16) 2,2'-oxybis(1-Chloropr...	8.572	45	5877	3.913	ng		86
17) 2-Methylphenol	8.490	107	4449	3.560	ng	#	88
18) Hexachloroethane	9.142	117	2442	3.847	ng	#	71
19) n-Nitroso-di-n-propyla...	8.860	70	4698	3.629	ng	#	97
20) 3+4-Methylphenols	8.824	107	6554	3.827	ng	#	82
22) Acetophenone	8.883	105	9288	3.894	ng	#	88
24) Nitrobenzene	9.259	77	8442	4.043	ng	#	96
25) Isophorone	9.788	82	12599	3.577	ng	#	89
26) 2-Nitrophenol	9.976	139	2747	3.624	ng	#	79
27) 2,4-Dimethylphenol	10.029	122	5110	4.217	ng	#	89
28) bis(2-Chloroethoxy)met...	10.275	93	6865	4.368	ng		94
29) 2,4-Dichlorophenol	10.522	162	4979	3.543	ng		86
30) 1,2,4-Trichlorobenzene	10.728	180	6132	3.864	ng		94
31) Naphthalene	10.922	128	18276	3.890	ng		97
32) Benzoic acid	10.176	122	335m	0.421	ng		
33) 4-Chloroaniline	11.039	127	6677	3.724	ng		96
34) Hexachlorobutadiene	11.198	225	4074	3.583	ng	#	77
35) Caprolactam	11.791	113	1580	3.621	ng	#	83
36) 4-Chloro-3-methylphenol	12.149	107	5740	3.464	ng		90
37) 2-Methylnaphthalene	12.525	142	13464	3.927	ng		92
38) 1-Methylnaphthalene	12.749	142	13146	4.010	ng	#	97
40) 1,2,4,5-Tetrachloroben...	12.895	216	7241	4.034	ng	#	93
41) Hexachlorocyclopentadiene	12.872	237	3039	3.793	ng		95
43) 2,4,6-Trichlorophenol	13.136	196	3944	3.369	ng		93

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.213	196	4370	3.451	ng	#	75
46) 1,1'-Biphenyl	13.530	154	17341	3.897	ng		97
47) 2-Chloronaphthalene	13.577	162	13810	4.041	ng		92
48) 2-Nitroaniline	13.777	65	3898	3.277	ng	#	54
49) Acenaphthylene	14.423	152	22248	4.015	ng		98
50) Dimethylphthalate	14.147	163	17093	3.876	ng	#	95
51) 2,6-Dinitrotoluene	14.270	165	3714	3.879	ng		94
52) Acenaphthene	14.763	154	13226	3.954	ng		98
53) 3-Nitroaniline	14.605	138	3405	3.547	ng		85
54) 2,4-Dinitrophenol	14.816	184	67	0.166	ng	#	8
55) Dibenzofuran	15.098	168	20441	3.809	ng	#	95
56) 4-Nitrophenol	14.916	139	2292	3.027	ng	#	65
57) 2,4-Dinitrotoluene	15.057	165	4473	3.381	ng	#	90
58) Fluorene	15.744	166	17221	3.960	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.327	232	3863	3.337	ng	#	96
60) Diethylphthalate	15.509	149	16691	3.768	ng	#	96
61) 4-Chlorophenyl-phenyle...	15.739	204	8488	3.837	ng	#	82
62) 4-Nitroaniline	15.762	138	3198	3.165	ng		97
63) Azobenzene	16.032	77	18810	3.835	ng		87
65) 4,6-Dinitro-2-methylph...	15.821	198	1925	2.674	ng		88
66) n-Nitrosodiphenylamine	15.956	169	14708	3.854	ng		89
67) 4-Bromophenyl-phenylether	16.631	248	5876	3.904	ng	#	86
68) Hexachlorobenzene	16.755	284	6637	3.895	ng		98
69) Atrazine	16.896	200	6479	4.284	ng		79
70) Pentachlorophenol	17.101	266	1091	1.424	ng	#	73
71) Phenanthrene	17.495	178	26817	3.755	ng		99
72) Anthracene	17.583	178	26779	3.815	ng		96
73) Carbazole	17.853	167	23221	3.478	ng	#	94
74) Di-n-butylphthalate	18.406	149	28250	3.710	ng		99
75) Fluoranthene	19.504	202	32088	3.608	ng		95
77) Benzidine	19.680	184	17185	4.243	ng		98
78) Pyrene	19.862	202	34446	3.586	ng		99
80) Butylbenzylphthalate	20.738	149	12154	3.480	ng	#	92
81) Benzo(a)anthracene	21.713	228	36032	3.887	ng		96
82) 3,3'-Dichlorobenzidine	21.625	252	13091	4.895	ng		90
83) Chrysene	21.777	228	33203	3.714	ng		96
84) Bis(2-ethylhexyl)phtha...	21.607	149	18977	3.624	ng		91
85) Di-n-octyl phthalate	22.841	149	31474	3.479	ng		95
87) Indeno(1,2,3-cd)pyrene	28.750	276	42023	3.797	ng		99
88) Benzo(b)fluoranthene	23.963	252	35309m	3.505	ng		
89) Benzo(k)fluoranthene	24.033	252	37027	3.952	ng	#	89
90) Benzo(a)pyrene	24.856	252	35448	3.882	ng		99
91) Dibenzo(a,h)anthracene	28.827	278	34813m	3.746	ng		
92) Benzo(g,h,i)perylene	29.925	276	35329	3.842	ng	#	91

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

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