Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080321\
Data File : BG049629.D
Acq On : 3 Aug 2021 18:30
Operator : CG/JU
Sample : M2262-03
Misc : MDL-MDL-SOIL 4ppm
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2021

Manual Integrations APPROVED
mohammad
8/4/2021 3:44:46 PM

Quant Time: Aug 04 01:48:35 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 04 01:47:52 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.042	152	18178	20.000	ng		0.00
21) Naphthalene-d8	10.862	136	78576	20.000	ng	#	0.00
39) Acenaphthene-d10	14.692	164	56654	20.000	ng		0.00
64) Phenanthrene-d10	17.441	188	123825	20.000	ng	#	0.00
76) Chrysene-d12	21.724	240	128175	20.000	ng	#	0.00
86) Perylene-d12	24.996	264	130332	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.587	112	136107	134.221	ng		0.00
7) Phenol-d6	7.196	99	204193	133.024	ng		0.00
23) Nitrobenzene-d5	9.211	82	136812	77.048	ng		0.00
42) 2,4,6-Tribromophenol	16.184	330	104369	125.332	ng		0.00
45) 2-Fluorobiphenyl	13.311	172	303230	77.880	ng		0.00
79) Terphenyl-d14	20.055	244	611175	86.602	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.460	88	2923	6.596	ng	#	78
3) Pyridine	3.895	79	4634m	3.815	ng		
4) n-Nitrosodimethylamine	3.795	42	2417	3.700	ng	#	87
6) Aniline	7.361	93	8840	5.434	ng	#	88
8) 2-Chlorophenol	7.602	128	5270	4.767	ng	#	79
9) Benzaldehyde	7.179	77	6447	6.294	ng		85
10) Phenol	7.220	94	7643	5.139	ng		96
11) bis(2-Chloroethyl)ether	7.461	93	5025	5.004	ng	#	76
12) 1,3-Dichlorobenzene	7.925	146	6504m	5.137	ng		
13) 1,4-Dichlorobenzene	8.072	146	6775	5.286	ng		90
14) 1,2-Dichlorobenzene	8.400	146	6242m	5.141	ng		
15) Benzyl Alcohol	8.283	79	6098	4.730	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.577	45	5897	5.168	ng		96
17) 2-Methylphenol	8.489	107	4716	4.815	ng	#	83
18) Hexachloroethane	9.135	117	2835	5.754	ng	#	64
19) n-Nitroso-di-n-propyla...	8.841	70	4865	4.736	ng	#	84
20) 3+4-Methylphenols	8.812	107	6654	4.837	ng		84
22) Acetophenone	8.865	105	8922	4.179	ng	#	89
24) Nitrobenzene	9.258	77	7800	4.163	ng		100
25) Isophorone	9.775	82	13118	4.140	ng		94
26) 2-Nitrophenol	9.969	139	3184	4.453	ng	#	64
27) 2,4-Dimethylphenol	10.028	122	4743	4.488	ng	#	84
28) bis(2-Chloroethoxy)met...	10.263	93	7258	5.236	ng	#	82
29) 2,4-Dichlorophenol	10.515	162	4685	3.612	ng		87
30) 1,2,4-Trichlorobenzene	10.727	180	6361	4.454	ng		95
31) Naphthalene	10.909	128	18788	4.566	ng	#	94
32) Benzoic acid	10.227	122	497m	0.727	ng		
33) 4-Chloroaniline	11.032	127	7437	4.578	ng	#	91
34) Hexachlorobutadiene	11.197	225	4622	4.454	ng	#	81
35) Caprolactam	11.790	113	1824	4.552	ng		92
36) 4-Chloro-3-methylphenol	12.142	107	6662	4.447	ng	#	89
37) 2-Methylnaphthalene	12.524	142	13852	4.468	ng		95
38) 1-Methylnaphthalene	12.742	142	12728	4.369	ng		92
40) 1,2,4,5-Tetrachloroben...	12.889	216	8023	4.806	ng		91
41) Hexachlorocyclopentadiene	12.865	237	2543	3.689	ng		85
43) 2,4,6-Trichlorophenol	13.129	196	4609	4.095	ng	#	94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.206	196	5219	4.275	ng	#	91
46) 1,1'-Biphenyl	13.523	154	18485	4.581	ng		99
47) 2-Chloronaphthalene	13.570	162	14644	4.544	ng	#	87
48) 2-Nitroaniline	13.776	65	4643	3.923	ng		90
49) Acenaphthylene	14.410	152	23812	4.662	ng		97
50) Dimethylphthalate	14.140	163	19624	4.591	ng	#	93
51) 2,6-Dinitrotoluene	14.257	165	3874	4.116	ng		92
52) Acenaphthene	14.757	154	13325	4.330	ng		94
53) 3-Nitroaniline	14.598	138	3539	3.856	ng		100
54) 2,4-Dinitrophenol	14.815	184	640	1.198	ng	#	52
55) Dibenzofuran	15.091	168	22386	4.485	ng	#	91
56) 4-Nitrophenol	14.903	139	2242	3.344	ng	#	51
57) 2,4-Dinitrotoluene	15.050	165	5062	3.830	ng	#	84
58) Fluorene	15.743	166	18204	4.487	ng	#	99
59) 2,3,4,6-Tetrachlorophenol	15.320	232	4763	4.200	ng	#	96
60) Diethylphthalate	15.497	149	19331	4.497	ng	#	92
61) 4-Chlorophenyl-phenyle...	15.732	204	9596	4.431	ng	#	71
62) 4-Nitroaniline	15.761	138	3785	4.009	ng	#	76
63) Azobenzene	16.020	77	20945	4.603	ng		89
65) 4,6-Dinitro-2-methylph...	15.826	198	2215	2.783	ng		79
66) n-Nitrosodiphenylamine	15.943	169	15794	4.514	ng		91
67) 4-Bromophenyl-phenylether	16.630	248	5646	3.872	ng	#	84
68) Hexachlorobenzene	16.748	284	7054	4.354	ng		97
69) Atrazine	16.889	200	7785	5.562	ng		92
70) Pentachlorophenol	17.106	266	1636	1.883	ng	#	84
71) Phenanthrene	17.482	178	30557	4.691	ng		98
72) Anthracene	17.576	178	31923	4.990	ng		98
73) Carbazole	17.846	167	25308	4.177	ng	#	92
74) Di-n-butylphthalate	18.399	149	32216	4.561	ng	#	94
75) Fluoranthene	19.497	202	36341	4.533	ng		100
77) Benzidine	19.673	184	18076	5.504	ng		98
78) Pyrene	19.856	202	38000m	4.349	ng		
80) Butylbenzylphthalate	20.737	149	13231	3.976	ng		95
81) Benzo(a)anthracene	21.700	228	36682	4.394	ng		95
82) 3,3'-Dichlorobenzidine	21.618	252	13996	5.743	ng		95
83) Chrysene	21.771	228	36000	4.512	ng		99
84) Bis(2-ethylhexyl)phtha...	21.600	149	20529	4.358	ng		93
85) Di-n-octyl phthalate	22.828	149	35265	4.431	ng	#	98
87) Indeno(1,2,3-cd)pyrene	28.744	276	45260	4.815	ng	#	80
88) Benzo(b)fluoranthene	23.950	252	37782	4.420	ng	#	90
89) Benzo(k)fluoranthene	24.020	252	37292	4.677	ng	#	94
90) Benzo(a)pyrene	24.837	252	35986	4.652	ng	#	98
91) Dibenzo(a,h)anthracene	28.791	278	39103	4.937	ng		94
92) Benzo(g,h,i)perylene	29.901	276	39959	5.150	ng	#	92

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

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