Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080221\
Data File : BG049604.D
Acq On : 2 Aug 2021 14:34
Operator : CG/JU
Sample : M2262-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
8/3/2021 11:49:39 AM

Quant Time: Aug 02 15:12:21 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 02 14:56:43 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.046	152	27819	20.000	ng	0.00
21) Naphthalene-d8	10.865	136	119820	20.000	ng	-0.01
39) Acenaphthene-d10	14.701	164	84835	20.000	ng	0.00
64) Phenanthrene-d10	17.451	188	193834	20.000	ng	# 0.00
76) Chrysene-d12	21.727	240	195197	20.000	ng	0.00
86) Perylene-d12	25.011	264	197970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.590	112	159846	97.486	ng	-0.02
7) Phenol-d6	7.200	99	226374	94.797	ng	-0.01
23) Nitrobenzene-d5	9.215	82	141633	52.961	ng	-0.01
42) 2,4,6-Tribromophenol	16.188	330	115577	101.732	ng	0.00
45) 2-Fluorobiphenyl	13.315	172	307417	52.142	ng	-0.01
79) Terphenyl-d14	20.059	244	521413	52.168	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.464	88	2640	3.554	ng	# 71
3) Pyridine	3.898	79	5215m	2.755	ng	
4) n-Nitrosodimethylamine	3.799	42	2743	2.951	ng	# 75
6) Aniline	7.364	93	9757	3.778	ng	# 94
8) 2-Chlorophenol	7.605	128	5992	3.564	ng	88
9) Benzaldehyde	7.182	77	6855	4.321	ng	97
10) Phenol	7.223	94	7680	3.376	ng	86
11) bis(2-Chloroethyl)ether	7.458	93	5688	3.650	ng	91
12) 1,3-Dichlorobenzene	7.934	146	7129	3.586	ng	92
13) 1,4-Dichlorobenzene	8.087	146	7166m	3.620	ng	
14) 1,2-Dichlorobenzene	8.404	146	6433m	3.364	ng	
15) Benzyl Alcohol	8.287	79	6220	3.187	ng	# 88
16) 2,2'-oxybis(1-Chloropr...	8.574	45	6349	3.488	ng	96
17) 2-Methylphenol	8.486	107	5506	3.636	ng	# 84
18) Hexachloroethane	9.133	117	2681	3.485	ng	84
19) n-Nitroso-di-n-propyla...	8.851	70	6245	3.980	ng	# 81
20) 3+4-Methylphenols	8.827	107	6757	3.256	ng	89
22) Acetophenone	8.874	105	11703	3.647	ng	# 92
24) Nitrobenzene	9.262	77	9613	3.423	ng	99
25) Isophorone	9.779	82	14991	3.164	ng	# 94
26) 2-Nitrophenol	9.978	139	3279	3.216	ng	# 70
27) 2,4-Dimethylphenol	10.025	122	5469	3.355	ng	93
28) bis(2-Chloroethoxy)met...	10.266	93	7160	3.387	ng	# 81
29) 2,4-Dichlorophenol	10.513	162	5676	3.003	ng	97
30) 1,2,4-Trichlorobenzene	10.730	180	7313	3.426	ng	93
31) Naphthalene	10.918	128	19991	3.164	ng	# 93
32) Benzoic acid	10.184	122	340m	0.317	ng	
33) 4-Chloroaniline	11.030	127	7992	3.314	ng	# 93
34) Hexachlorobutadiene	11.200	225	4905	3.207	ng	89
35) Caprolactam	11.788	113	1637m	2.789	ng	
36) 4-Chloro-3-methylphenol	12.152	107	6415	2.878	ng	# 87
37) 2-Methylnaphthalene	12.522	142	16239	3.521	ng	95
38) 1-Methylnaphthalene	12.745	142	13782	3.125	ng	89
40) 1,2,4,5-Tetrachloroben...	12.892	216	7600	3.029	ng	93
41) Hexachlorocyclopentadiene	12.863	237	2942	2.627	ng	75
43) 2,4,6-Trichlorophenol	13.133	196	5041	3.081	ng	84

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.215	196	5056	2.856	ng	#	77
46) 1,1'-Biphenyl	13.532	154	20985	3.374	ng		98
47) 2-Chloronaphthalene	13.574	162	15947	3.338	ng		99
48) 2-Nitroaniline	13.779	65	5288	3.181	ng	#	90
49) Acenaphthylene	14.419	152	25956	3.351	ng		94
50) Dimethylphthalate	14.143	163	21287	3.454	ng	#	92
51) 2,6-Dinitrotoluene	14.267	165	4260	3.184	ng		85
52) Acenaphthene	14.760	154	14619	3.127	ng		97
53) 3-Nitroaniline	14.607	138	4091	3.049	ng		89
54) 2,4-Dinitrophenol	14.825	184	774	1.374	ng	#	81
55) Dibenzofuran	15.095	168	23604	3.147	ng		97
56) 4-Nitrophenol	14.919	139	2602	2.458	ng	#	83
57) 2,4-Dinitrotoluene	15.060	165	6231	3.369	ng	#	83
58) Fluorene	15.747	166	19986	3.288	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.318	232	5069	3.133	ng	#	99
60) Diethylphthalate	15.506	149	21751	3.514	ng		97
61) 4-Chlorophenyl-phenyle...	15.735	204	11031	3.568	ng	#	92
62) 4-Nitroaniline	15.759	138	3421	2.422	ng		86
63) Azobenzene	16.029	77	22200	3.238	ng		92
65) 4,6-Dinitro-2-methylph...	15.823	198	2321	2.210	ng		88
66) n-Nitrosodiphenylamine	15.947	169	17297	3.107	ng		98
67) 4-Bromophenyl-phenylether	16.634	248	7404	3.372	ng	#	89
68) Hexachlorobenzene	16.757	284	8030	3.230	ng		96
69) Atrazine	16.893	200	7727	3.502	ng		86
70) Pentachlorophenol	17.104	266	2713m	2.428	ng		
71) Phenanthrene	17.492	178	31351	3.009	ng		99
72) Anthracene	17.580	178	32302	3.154	ng		97
73) Carbazole	17.850	167	29444	3.023	ng	#	92
74) Di-n-butylphthalate	18.402	149	35013	3.152	ng		97
75) Fluoranthene	19.501	202	38830	2.993	ng		96
77) Benzidine	19.677	184	18917	3.502	ng		99
78) Pyrene	19.859	202	40427	3.155	ng		96
80) Butylbenzylphthalate	20.740	149	14998	3.220	ng		85
81) Benzo(a)anthracene	21.710	228	40402	3.268	ng		99
82) 3,3'-Dichlorobenzidine	21.621	252	14324	4.016	ng	#	96
83) Chrysene	21.780	228	38191	3.203	ng		97
84) Bis(2-ethylhexyl)phtha...	21.604	149	21711	3.108	ng		95
85) Di-n-octyl phthalate	22.837	149	35883	2.974	ng		98
87) Indeno(1,2,3-cd)pyrene	28.759	276	47079	3.359	ng	#	83
88) Benzo(b)fluoranthene	23.959	252	38463m	3.015	ng		
89) Benzo(k)fluoranthene	24.030	252	40370	3.402	ng	#	98
90) Benzo(a)pyrene	24.847	252	39089	3.381	ng	#	97
91) Dibenzo(a,h)anthracene	28.818	278	39147	3.326	ng	#	90
92) Benzo(g,h,i)perylene	29.922	276	37787	3.245	ng		97

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

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