Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072221\
Data File : BG049408.D
Acq On : 22 Jul 2021 12:27
Operator : CG/JU
Sample : M2940-02
Misc : LOQ-SOIL 5ppm
ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
7/23/2021 11:50:32 AM

Quant Time: Jul 22 15:34:08 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 14:51:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.049	152	27433	20.00	ng		0.00
21) Naphthalene-d8	10.874	136	106756	20.00	ng		# 0.00
39) Acenaphthene-d10	14.698	164	74725	20.00	ng		0.00
64) Phenanthrene-d10	17.448	188	157237	20.00	ng		# 0.00
76) Chrysene-d12	21.730	240	164925	20.00	ng		0.00
86) Perylene-d12	25.008	264	174442	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.599	112	175411	108.48	ng		0.00
7) Phenol-d6	7.209	99	251410	106.76	ng		0.00
23) Nitrobenzene-d5	9.218	82	167874	70.45	ng		0.00
42) 2,4,6-Tribromophenol	16.191	330	111871	111.79	ng		0.00
45) 2-Fluorobiphenyl	13.324	172	348574	67.12	ng		0.00
79) Terphenyl-d14	20.056	244	595331	70.50	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.478	88	3550	4.85	ng		97
3) Pyridine	3.901	79	7396m	3.96	ng		
4) n-Nitrosodimethylamine	3.813	42	4335	4.73	ng	#	96
6) Aniline	7.373	93	13872	5.45	ng	#	90
8) 2-Chlorophenol	7.614	128	7730	4.66	ng		78
9) Benzaldehyde	7.185	77	9445	6.04	ng	#	75
10) Phenol	7.232	94	11185	4.99	ng		88
11) bis(2-Chloroethyl)ether	7.467	93	7782	5.06	ng		85
12) 1,3-Dichlorobenzene	7.937	146	9099	4.64	ng		87
13) 1,4-Dichlorobenzene	8.084	146	9207	4.72	ng		94
14) 1,2-Dichlorobenzene	8.413	146	9273	4.92	ng		91
15) Benzyl Alcohol	8.290	79	9216	4.79	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.583	45	9153	5.10	ng		93
17) 2-Methylphenol	8.495	107	7311	4.90	ng		87
18) Hexachloroethane	9.147	117	3967	5.23	ng		85
19) n-Nitroso-di-n-propyla...	8.853	70	6974	4.51	ng		94
20) 3+4-Methylphenols	8.824	107	9339	4.56	ng	#	79
22) Acetophenone	8.883	105	15492	5.42	ng	#	93
24) Nitrobenzene	9.265	77	13129	5.25	ng		96
25) Isophorone	9.787	82	20376	4.83	ng	#	96
26) 2-Nitrophenol	9.975	139	4094	4.51	ng	#	86
27) 2,4-Dimethylphenol	10.034	122	7540	5.19	ng		97
28) bis(2-Chloroethoxy)met...	10.269	93	10682	5.67	ng		97
29) 2,4-Dichlorophenol	10.516	162	7625	4.53	ng		92
30) 1,2,4-Trichlorobenzene	10.733	180	9256	4.87	ng		89
31) Naphthalene	10.921	128	27480	4.88	ng		99
32) Benzoic acid	10.169	122	1610m	1.69	ng		
33) 4-Chloroaniline	11.033	127	9834	4.58	ng	#	94
34) Hexachlorobutadiene	11.209	225	6902	5.06	ng		96
35) Caprolactam	11.791	113	2389	4.57	ng		97
36) 4-Chloro-3-methylphenol	12.149	107	8815	4.44	ng		99
37) 2-Methylnaphthalene	12.531	142	20636	5.02	ng		96
38) 1-Methylnaphthalene	12.748	142	20143m	5.13	ng		
40) 1,2,4,5-Tetrachloroben...	12.895	216	11025	4.99	ng		96
41) Hexachlorocyclopentadiene	12.872	237	4475	4.54	ng		93
43) 2,4,6-Trichlorophenol	13.136	196	6265m	4.35	ng		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.212	196	6996	4.49	ng	#	82
46) 1,1'-Biphenyl	13.530	154	27267	4.98	ng		97
47) 2-Chloronaphthalene	13.576	162	20076	4.77	ng		96
48) 2-Nitroaniline	13.782	65	6977	4.76	ng		95
49) Acenaphthylene	14.422	152	33711	4.94	ng	#	94
50) Dimethylphthalate	14.146	163	26360	4.86	ng	#	94
51) 2,6-Dinitrotoluene	14.264	165	5173	4.39	ng	#	83
52) Acenaphthene	14.763	154	19680	4.78	ng		99
53) 3-Nitroaniline	14.605	138	4801	4.06	ng		82
54) 2,4-Dinitrophenol	14.828	184	384	0.77	ng	#	46
55) Dibenzofuran	15.098	168	30339	4.59	ng		97
56) 4-Nitrophenol	14.922	139	3409	3.66	ng	#	64
57) 2,4-Dinitrotoluene	15.051	165	7445	4.57	ng	#	93
58) Fluorene	15.744	166	26225	4.90	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.327	232	5763	4.04	ng	#	38
60) Diethylphthalate	15.509	149	26845	4.92	ng		92
61) 4-Chlorophenyl-phenyle...	15.738	204	13452	4.94	ng		97
62) 4-Nitroaniline	15.762	138	5479	4.40	ng	#	68
63) Azobenzene	16.032	77	28640	4.74	ng		88
65) 4,6-Dinitro-2-methylph...	15.821	198	2457	2.88	ng	#	73
66) n-Nitrosodiphenylamine	15.950	169	23276	5.15	ng		92
67) 4-Bromophenyl-phenylether	16.631	248	9021	5.07	ng		99
68) Hexachlorobenzene	16.755	284	10059	4.99	ng	#	93
69) Atrazine	16.896	200	9540	5.33	ng		87
70) Pentachlorophenol	17.107	266	1922	2.12	ng	#	67
71) Phenanthrene	17.495	178	40728	4.82	ng		96
72) Anthracene	17.583	178	40516	4.88	ng		97
73) Carbazole	17.853	167	35180	4.45	ng		95
74) Di-n-butylphthalate	18.405	149	44881	4.98	ng		96
75) Fluoranthene	19.498	202	50850	4.83	ng		98
77) Benzidine	19.680	184	24449m	5.36	ng		
78) Pyrene	19.862	202	51114	4.72	ng		97
80) Butylbenzylphthalate	20.743	149	18183	4.62	ng		99
81) Benzo(a)anthracene	21.707	228	49714	4.76	ng		100
82) 3,3'-Dichlorobenzidine	21.624	252	19402	6.44	ng	#	97
83) Chrysene	21.777	228	47473	4.71	ng		99
84) Bis(2-ethylhexyl)phtha...	21.607	149	28438	4.82	ng	#	90
85) Di-n-octyl phthalate	22.835	149	46046	4.52	ng	#	100
87) Indeno(1,2,3-cd)pyrene	28.738	276	60005	4.86	ng	#	80
88) Benzo(b)fluoranthene	23.962	252	53750	4.78	ng		99
89) Benzo(k)fluoranthene	24.027	252	48192	4.61	ng	#	93
90) Benzo(a)pyrene	24.849	252	50132	4.92	ng	#	97
91) Dibenzo(a,h)anthracene	28.809	278	51902	5.00	ng		95
92) Benzo(g,h,i)perylene	29.907	276	49316	4.81	ng	#	89

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

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