Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072221\
Data File : BG049409.D
Acq On : 22 Jul 2021 15:26
Operator : CG/JU
Sample : M2940-02
Misc : LOQ-SOIL 10ppm
ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
7/23/2021 11:50:35 AM

Quant Time: Jul 22 16:21:40 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 16:21:28 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.061	152	24433	20.00	ng		0.01
21) Naphthalene-d8	10.880	136	96110	20.00	ng		# 0.00
39) Acenaphthene-d10	14.711	164	66674	20.00	ng		0.00
64) Phenanthrene-d10	17.454	188	143478	20.00	ng		# 0.00
76) Chrysene-d12	21.736	240	145825	20.00	ng		0.00
86) Perylene-d12	25.020	264	151519	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.605	112	156877	108.93	ng		0.00
7) Phenol-d6	7.215	99	233278	111.23	ng		0.00
23) Nitrobenzene-d5	9.230	82	156929	73.16	ng		0.00
42) 2,4,6-Tribromophenol	16.197	330	101368	113.53	ng		0.00
45) 2-Fluorobiphenyl	13.330	172	329668	71.15	ng		0.00
79) Terphenyl-d14	20.062	244	550969	73.79	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.479	88	7764	11.90	ng	#	94
3) Pyridine	3.896	79	15377	9.25	ng		89
4) n-Nitrosodimethylamine	3.808	42	10144	12.42	ng	#	62
6) Aniline	7.379	93	27060	11.93	ng	#	97
8) 2-Chlorophenol	7.620	128	15912	10.78	ng		91
9) Benzaldehyde	7.191	77	18068	12.97	ng		90
10) Phenol	7.244	94	22048	11.04	ng		90
11) bis(2-Chloroethyl)ether	7.473	93	15841	11.57	ng		86
12) 1,3-Dichlorobenzene	7.955	146	19151	10.97	ng		93
13) 1,4-Dichlorobenzene	8.096	146	19958m	11.48	ng		
14) 1,2-Dichlorobenzene	8.419	146	18169	10.82	ng		98
15) Benzyl Alcohol	8.302	79	18419	10.74	ng		92
16) 2,2'-oxybis(1-Chloropr...	8.589	45	17599	11.01	ng		95
17) 2-Methylphenol	8.501	107	15816	11.89	ng		91
18) Hexachloroethane	9.153	117	7334	10.85	ng		90
19) n-Nitroso-di-n-propyla...	8.866	70	15406	11.18	ng		92
20) 3+4-Methylphenols	8.830	107	20963	11.50	ng		94
22) Acetophenone	8.883	105	29761	11.56	ng	#	93
24) Nitrobenzene	9.271	77	25017	11.10	ng	#	90
25) Isophorone	9.794	82	39340	10.35	ng	#	96
26) 2-Nitrophenol	9.993	139	9482	11.59	ng		95
27) 2,4-Dimethylphenol	10.040	122	15239	11.66	ng		97
28) bis(2-Chloroethoxy)met...	10.281	93	21181	12.49	ng	#	93
29) 2,4-Dichlorophenol	10.528	162	16363	10.79	ng		100
30) 1,2,4-Trichlorobenzene	10.739	180	18499	10.80	ng		97
31) Naphthalene	10.933	128	56004	11.05	ng		98
32) Benzoic acid	10.140	122	6191m	7.21	ng		
33) 4-Chloroaniline	11.039	127	22799	11.79	ng		91
34) Hexachlorobutadiene	11.215	225	12571	10.25	ng		93
35) Caprolactam	11.791	113	5257	11.17	ng		86
36) 4-Chloro-3-methylphenol	12.161	107	18700	10.46	ng	#	84
37) 2-Methylnaphthalene	12.537	142	42330	11.44	ng		96
38) 1-Methylnaphthalene	12.760	142	36963	10.45	ng		93
40) 1,2,4,5-Tetrachloroben...	12.901	216	22316	11.32	ng		98
41) Hexachlorocyclopentadiene	12.884	237	10872	12.35	ng		95
43) 2,4,6-Trichlorophenol	13.142	196	13642m	10.61	ng		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.218	196	14944	10.74	ng	#	85
46) 1,1'-Biphenyl	13.542	154	53338	10.91	ng		96
47) 2-Chloronaphthalene	13.589	162	40646	10.83	ng		94
48) 2-Nitroaniline	13.788	65	12870	9.85	ng		93
49) Acenaphthylene	14.429	152	67246	11.05	ng		98
50) Dimethylphthalate	14.152	163	51839	10.70	ng		98
51) 2,6-Dinitrotoluene	14.276	165	11246	10.69	ng		95
52) Acenaphthene	14.769	154	39050	10.63	ng		96
53) 3-Nitroaniline	14.611	138	11655	11.05	ng		86
54) 2,4-Dinitrophenol	14.810	184	4503	10.17	ng		96
55) Dibenzofuran	15.104	168	61287	10.40	ng		95
56) 4-Nitrophenol	14.916	139	7510	9.03	ng		94
57) 2,4-Dinitrotoluene	15.063	165	15862	10.91	ng	#	86
58) Fluorene	15.756	166	51216	10.72	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.333	232	12980	10.21	ng	#	95
60) Diethylphthalate	15.515	149	52799	10.85	ng		96
61) 4-Chlorophenyl-phenyle...	15.744	204	25956	10.68	ng		98
62) 4-Nitroaniline	15.768	138	11684	10.53	ng		87
63) Azobenzene	16.038	77	56216	10.43	ng		87
65) 4,6-Dinitro-2-methylph...	15.827	198	6357	8.18	ng		88
66) n-Nitrosodiphenylamine	15.956	169	43488	10.55	ng		99
67) 4-Bromophenyl-phenylether	16.643	248	16913	10.41	ng		99
68) Hexachlorobenzene	16.761	284	19310	10.49	ng		98
69) Atrazine	16.902	200	18420	11.28	ng		98
70) Pentachlorophenol	17.107	266	6761m	8.17	ng		
71) Phenanthrene	17.495	178	81079	10.51	ng		96
72) Anthracene	17.589	178	82748	10.92	ng		94
73) Carbazole	17.859	167	72668	10.08	ng		95
74) Di-n-butylphthalate	18.411	149	87415	10.63	ng		96
75) Fluoranthene	19.510	202	99146	10.32	ng		98
77) Benzidine	19.686	184	51666	12.80	ng		97
78) Pyrene	19.868	202	101562	10.61	ng		97
80) Butylbenzylphthalate	20.749	149	38992	11.20	ng	#	92
81) Benzo(a)anthracene	21.719	228	98138	10.62	ng		96
82) 3,3'-Dichlorobenzidine	21.631	252	38912	14.60	ng		94
83) Chrysene	21.783	228	95110	10.68	ng		99
84) Bis(2-ethylhexyl)phtha...	21.619	149	54636	10.47	ng	#	93
85) Di-n-octyl phthalate	22.847	149	97227	10.79	ng		99
87) Indeno(1,2,3-cd)pyrene	28.768	276	116282	10.84	ng		97
88) Benzo(b)fluoranthene	23.974	252	106021	10.86	ng	#	97
89) Benzo(k)fluoranthene	24.039	252	100278	11.04	ng	#	97
90) Benzo(a)pyrene	24.862	252	99419	11.23	ng		99
91) Dibenzo(a,h)anthracene	28.833	278	100718	11.18	ng		99
92) Benzo(g,h,i)perylene	29.943	276	101354	11.37	ng	#	96

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

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