Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102422\
Data File : BG055263.D
Acq On : 24 Oct 2022 19:27
Operator : CG/JU
Sample : N5211-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-SOILPILE-1020MSD

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

Quant Time: Oct 25 01:21:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 24 16:54:05 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.275	152	40504	20.000	ng		0.00
21) Naphthalene-d8	11.101	136	170133	20.000	ng		0.00
39) Acenaphthene-d10	14.885	164	111008	20.000	ng		0.00
64) Phenanthrene-d10	17.617	188	254082	20.000	ng		0.00
76) Chrysene-d12	21.901	240	231687	20.000	ng		0.00
86) Perylene-d12	25.291	264	245864	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.802	112	351282	151.858	ng		0.01
7) Phenol-d6	7.418	99	453138	135.211	ng		0.00
23) Nitrobenzene-d5	9.445	82	325514	97.699	ng		0.00
42) 2,4,6-Tribromophenol	16.366	330	212695	176.254	ng		0.00
45) 2-Fluorobiphenyl	13.516	172	679049	100.122	ng		0.00
79) Terphenyl-d14	20.191	244	1192741	106.961	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.616	88	49074	43.937	ng	#	51
3) Pyridine	4.039	79	126104	37.492	ng		97
4) n-Nitrosodimethylamine	3.939	42	69773	46.691	ng		96
6) Aniline	7.588	93	165856	37.804	ng		98
8) 2-Chlorophenol	7.835	128	139135	51.736	ng		99
9) Benzaldehyde	7.400	77	71335	31.175	ng		98
10) Phenol	7.447	94	167897	44.726	ng		99
11) bis(2-Chloroethyl)ether	7.676	93	137355	48.472	ng		97
12) 1,3-Dichlorobenzene	8.164	146	142781	48.659	ng		99
13) 1,4-Dichlorobenzene	8.311	146	144105	48.081	ng		99
14) 1,2-Dichlorobenzene	8.634	146	139006	48.171	ng		99
15) Benzyl Alcohol	8.505	79	143648	51.220	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.798	45	215802	46.535	ng		99
17) 2-Methylphenol	8.710	107	128213	48.295	ng		99
18) Hexachloroethane	9.368	117	51184	47.959	ng		100
19) n-Nitroso-di-n-propyla...	9.080	70	125778	45.195	ng		99
20) 3+4-Methylphenols	9.039	107	174409	45.869	ng		98
22) Acetophenone	9.098	105	223939	51.485	ng	#	99
24) Nitrobenzene	9.492	77	173328	49.962	ng		100
25) Isophorone	10.015	82	348128	51.730	ng		98
26) 2-Nitrophenol	10.203	139	80533	53.009	ng		98
27) 2,4-Dimethylphenol	10.250	122	147185m	62.057	ng		
28) bis(2-Chloroethoxy)met...	10.485	93	195375	57.500	ng		97
29) 2,4-Dichlorophenol	10.743	162	139659	54.890	ng		97
30) 1,2,4-Trichlorobenzene	10.960	180	126301	48.637	ng		98
31) Naphthalene	11.154	128	436777	48.124	ng		100
32) Benzoic acid	10.367	122	25991	17.396	ng		96
33) 4-Chloroaniline	11.254	127	93558	24.112	ng		99
34) Hexachlorobutadiene	11.430	225	74264	50.053	ng		98
35) Caprolactam	12.024	113	49125m	41.601	ng		
36) 4-Chloro-3-methylphenol	12.353	107	171656	53.616	ng		99
37) 2-Methylnaphthalene	12.735	142	315938	48.281	ng		99
38) 1-Methylnaphthalene	12.952	142	302946	46.927	ng		100
40) 1,2,4,5-Tetrachloroben...	13.099	216	146145	54.585	ng		99
41) Hexachlorocyclopentadiene	13.076	237	151407	116.761	ng		96
43) 2,4,6-Trichlorophenol	13.328	196	112721	57.003	ng		99

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.405	196	124630	56.981	ng		99
46)	1,1'-Biphenyl	13.728	154	426371	56.001	ng		98
47)	2-Chloronaphthalene	13.775	162	315549	52.558	ng		99
48)	2-Nitroaniline	13.969	65	129501	55.155	ng		99
49)	Acenaphthylene	14.615	152	544296	52.517	ng		100
50)	Dimethylphthalate	14.333	163	462178	53.028	ng		100
51)	2,6-Dinitrotoluene	14.450	165	98458	55.515	ng		99
52)	Acenaphthene	14.950	154	360587m	54.582	ng		
53)	3-Nitroaniline	14.785	138	91201	40.914	ng		95
54)	2,4-Dinitrophenol	14.991	184	63762	62.345	ng		97
55)	Dibenzofuran	15.279	168	522693	52.737	ng		99
56)	4-Nitrophenol	15.085	139	169980	106.615	ng		98
57)	2,4-Dinitrotoluene	15.238	165	143369	55.705	ng		95
58)	Fluorene	15.925	166	430829	52.242	ng		98
59)	2,3,4,6-Tetrachlorophenol	15.502	232	109086	55.944	ng		98
60)	Diethylphthalate	15.678	149	487601	52.593	ng		99
61)	4-Chlorophenyl-phenyle...	15.908	204	208460	55.007	ng		99
62)	4-Nitroaniline	15.943	138	120324	51.366	ng		99
63)	Azobenzene	16.201	77	481998	53.365	ng		100
65)	4,6-Dinitro-2-methylph...	15.996	198	60365	43.217	ng		97
66)	n-Nitrosodiphenylamine	16.119	169	386845	54.700	ng		99
67)	4-Bromophenyl-phenylether	16.801	248	139653	56.574	ng		99
68)	Hexachlorobenzene	16.924	284	153083	54.847	ng		98
69)	Atrazine	17.059	200	151332	62.929	ng		99
70)	Pentachlorophenol	17.265	266	169331	106.520	ng		96
71)	Phenanthrene	17.664	178	711694	52.522	ng		98
72)	Anthracene	17.752	178	719603	54.322	ng		99
73)	Carbazole	18.017	167	704076	55.259	ng		99
74)	Di-n-butylphthalate	18.552	149	889321	55.837	ng		100
75)	Fluoranthene	19.650	202	834770	52.869	ng		99
77)	Benzidine	19.815	184	286498	51.071	ng		99
78)	Pyrene	20.009	202	843765	53.132	ng		98
80)	Butylbenzylphthalate	20.866	149	395732	52.734	ng		99
81)	Benzo(a)anthracene	21.877	228	785116	50.463	ng		99
82)	3,3'-Dichlorobenzidine	21.777	252	229766	45.344	ng		99
83)	Chrysene	21.948	228	729743	49.379	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.748	149	573433	53.491	ng		99
85)	Di-n-octyl phthalate	23.011	149	962355	53.885	ng		100
87)	Indeno(1,2,3-cd)pyrene	29.204	276	927930	51.100	ng	#	91
88)	Benzo(b)fluoranthene	24.210	252	828938	56.050	ng		99
89)	Benzo(k)fluoranthene	24.286	252	792500	53.068	ng		99
90)	Benzo(a)pyrene	25.132	252	720651	56.823	ng		99
91)	Dibenzo(a,h)anthracene	29.274	278	802704	53.865	ng		99
92)	Benzo(g,h,i)perylene	30.438	276	792883	53.642	ng		98

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

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