Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102022\
Data File : BG055224.D
Acq On : 20 Oct 2022 17:51
Operator : CG/JU
Sample : N5183-02MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 20 18:27:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 20 09:21:42 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PIT-14-EXCAVATION-SOILMSD

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 10/21/2022
Supervised By :Jagrut Upadhyay 10/21/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.285	152	49998	20.000	ng	0.00
21) Naphthalene-d8	11.117	136	215308	20.000	ng	0.00
39) Acenaphthene-d10	14.901	164	129034	20.000	ng	0.00
64) Phenanthrene-d10	17.633	188	265353	20.000	ng	0.00
76) Chrysene-d12	21.916	240	226290	20.000	ng	0.00
86) Perylene-d12	25.318	264	239304	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.812	112	439956	158.315	ng	0.00
7) Phenol-d6	7.427	99	543965	128.458	ng	0.00
23) Nitrobenzene-d5	9.460	82	402350	90.217	ng	0.00
42) 2,4,6-Tribromophenol	16.376	330	189198	141.504	ng	0.00
45) 2-Fluorobiphenyl	13.526	172	752081	93.100	ng	0.00
79) Terphenyl-d14	20.206	244	1029110	84.738	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.632	88	57528	42.568	ng	# 27
3) Pyridine	4.055	79	135927	31.941	ng	99
4) n-Nitrosodimethylamine	3.955	42	85589	42.980	ng	98
6) Aniline	7.604	93	117856	21.468	ng	99
8) 2-Chlorophenol	7.844	128	165742	49.329	ng	100
9) Benzaldehyde	7.410	77	95926	32.588	ng	98
10) Phenol	7.457	94	197869	41.360	ng	97
11) bis(2-Chloroethyl)ether	7.692	93	172570	46.850	ng	98
12) 1,3-Dichlorobenzene	8.173	146	167659	46.000	ng	99
13) 1,4-Dichlorobenzene	8.326	146	168754	45.326	ng	99
14) 1,2-Dichlorobenzene	8.649	146	166411	46.909	ng	97
15) Benzyl Alcohol	8.520	79	162313m	44.631	ng	
16) 2,2'-oxybis(1-Chloropr...	8.808	45	292715	44.094	ng	99
17) 2-Methylphenol	8.720	107	147371	44.503	ng	96
18) Hexachloroethane	9.384	117	63047	46.784	ng	97
19) n-Nitroso-di-n-propyla...	9.090	70	148218	40.810	ng	98
20) 3+4-Methylphenols	9.049	107	198798	42.711	ng	99
22) Acetophenone	9.114	105	266038	45.680	ng	99
24) Nitrobenzene	9.501	77	210204	44.079	ng	99
25) Isophorone	10.024	82	393031	43.074	ng	99
26) 2-Nitrophenol	10.218	139	92645	49.386	ng	100
27) 2,4-Dimethylphenol	10.265	122	162294	54.327	ng	98
28) bis(2-Chloroethoxy)met...	10.500	93	230759	52.630	ng	99
29) 2,4-Dichlorophenol	10.753	162	150801	47.279	ng	99
30) 1,2,4-Trichlorobenzene	10.976	180	149350	45.733	ng	99
31) Naphthalene	11.170	128	556373	48.972	ng	99
32) Benzoic acid	10.389	122	59494	27.822	ng	94
33) 4-Chloroaniline	11.270	127	29803	6.370	ng	98
34) Hexachlorobutadiene	11.446	225	85929	43.575	ng	98
35) Caprolactam	12.034	113	42692m	30.457	ng	
36) 4-Chloro-3-methylphenol	12.369	107	173264	41.777	ng	99
37) 2-Methylnaphthalene	12.750	142	357954	41.422	ng	100
38) 1-Methylnaphthalene	12.968	142	342090	40.099	ng	100
40) 1,2,4,5-Tetrachloroben...	13.109	216	157221	51.837	ng	99
41) Hexachlorocyclopentadiene	13.085	237	134268	97.209	ng	98
43) 2,4,6-Trichlorophenol	13.338	196	109934	47.623	ng	98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.414	196	117747	46.494	ng		96
46)	1,1'-Biphenyl	13.738	154	457833	50.109	ng		99
47)	2-Chloronaphthalene	13.785	162	344009	48.905	ng		98
48)	2-Nitroaniline	13.978	65	128287	44.941	ng		98
49)	Acenaphthylene	14.625	152	566506	47.077	ng		99
50)	Dimethylphthalate	14.343	163	427859	42.155	ng		99
51)	2,6-Dinitrotoluene	14.460	165	92910	45.621	ng		93
52)	Acenaphthene	14.966	154	373512	48.751	ng		99
53)	3-Nitroaniline	14.795	138	53121	20.940	ng		98
54)	2,4-Dinitrophenol	15.001	184	70389	68.559	ng		98
55)	Dibenzofuran	15.295	168	517583	46.900	ng		99
56)	4-Nitrophenol	15.089	139	156732	87.868	ng		100
57)	2,4-Dinitrotoluene	15.248	165	129181	45.365	ng		97
58)	Fluorene	15.941	166	417485	44.921	ng		100
59)	2,3,4,6-Tetrachlorophenol	15.512	232	96795	43.889	ng		99
60)	Diethylphthalate	15.688	149	443787	41.795	ng		99
61)	4-Chlorophenyl-phenyle...	15.923	204	197448	45.772	ng		99
62)	4-Nitroaniline	15.953	138	101164	39.313	ng		99
63)	Azobenzene	16.211	77	477059	44.454	ng		99
65)	4,6-Dinitro-2-methylph...	16.005	198	52425	36.986	ng		98
66)	n-Nitrosodiphenylamine	16.135	169	359369	48.526	ng		100
67)	4-Bromophenyl-phenylether	16.810	248	123444	47.729	ng		98
68)	Hexachlorobenzene	16.940	284	136539	48.236	ng		96
69)	Atrazine	17.069	200	130967	53.656	ng		99
70)	Pentachlorophenol	17.280	266	145591	95.303	ng		96
71)	Phenanthrene	17.674	178	645762	45.606	ng		100
72)	Anthracene	17.762	178	650345	47.001	ng		100
73)	Carbazole	18.027	167	618361	48.529	ng		100
74)	Di-n-butylphthalate	18.561	149	786463	47.321	ng		100
75)	Fluoranthene	19.660	202	711099	45.337	ng		99
77)	Benzidine	19.830	184	185272	32.196	ng		99
78)	Pyrene	20.024	202	721328	42.304	ng		99
80)	Butylbenzylphthalate	20.882	149	351234	44.070	ng		98
81)	Benzo(a)anthracene	21.893	228	659885	44.957	ng		99
82)	3,3'-Dichlorobenzidine	21.793	252	112788	22.379	ng		98
83)	Chrysene	21.963	228	614711	44.970	ng		98
84)	Bis(2-ethylhexyl)phtha...	21.769	149	510284	48.934	ng		98
85)	Di-n-octyl phthalate	23.038	149	851297	54.755	ng	#	95
87)	Indeno(1,2,3-cd)pyrene	29.249	276	775947	46.620	ng	#	86
88)	Benzo(b)fluoranthene	24.237	252	696648	49.023	ng	#	96
89)	Benzo(k)fluoranthene	24.308	252	664979	46.205	ng	#	96
90)	Benzo(a)pyrene	25.159	252	606862	49.754	ng	#	95
91)	Dibenzo(a,h)anthracene	29.313	278	661950	48.545	ng	#	93
92)	Benzo(g,h,i)perylene	30.489	276	652989	49.434	ng	#	89

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

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