Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020123\
Data File : BG056497.D
Acq On : 1 Feb 2023 11:10
Operator : CG/JU
Sample : N4955-02
Misc : LOQ-SOIL 5ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 02 04:59:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 01:15:52 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.273	152	34941	20.000	ng		0.00
21) Naphthalene-d8	11.105	136	131355	20.000	ng	#	0.00
39) Acenaphthene-d10	14.895	164	105411	20.000	ng		0.00
64) Phenanthrene-d10	17.633	188	271287	20.000	ng		0.00
76) Chrysene-d12	21.922	240	257206	20.000	ng		0.00
86) Perylene-d12	25.342	264	281101	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.794	112	211514	111.358	ng		0.00
7) Phenol-d6	7.415	99	299893	106.561	ng		0.00
23) Nitrobenzene-d5	9.448	82	169015	73.065	ng		0.00
42) 2,4,6-Tribromophenol	16.381	330	157297	112.245	ng		0.00
45) 2-Fluorobiphenyl	13.520	172	569352	74.884	ng		0.00
79) Terphenyl-d14	20.212	244	1043774	71.275	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.596	88	4282	5.414	ng		94
3) Pyridine	4.025	79	10344	4.387	ng		98
4) n-Nitrosodimethylamine	3.931	42	2378	4.743	ng	#	92
6) Aniline	7.592	93	16340	4.435	ng		97
8) 2-Chlorophenol	7.838	128	10027	4.805	ng		93
9) Benzaldehyde	7.398	77	8781	5.016	ng		91
10) Phenol	7.445	94	12903	4.511	ng		96
11) bis(2-Chloroethyl)ether	7.680	93	9558	4.861	ng		96
12) 1,3-Dichlorobenzene	8.162	146	12476	5.193	ng		99
13) 1,4-Dichlorobenzene	8.314	146	12409	5.100	ng		99
14) 1,2-Dichlorobenzene	8.638	146	11834m	5.013	ng		
15) Benzyl Alcohol	8.502	79	8028	4.158	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.802	45	1985	4.765	ng		83
17) 2-Methylphenol	8.720	107	9015	4.143	ng		93
18) Hexachloroethane	9.372	117	4099	5.570	ng		86
19) n-Nitroso-di-n-propyla...	9.072	70	7609	4.692	ng		97
20) 3+4-Methylphenols	9.043	107	12471	4.089	ng		93
22) Acetophenone	9.102	105	17527	5.022	ng	#	94
24) Nitrobenzene	9.495	77	11827	5.301	ng		95
25) Isophorone	10.012	82	23208	4.863	ng		99
26) 2-Nitrophenol	10.212	139	6192	4.574	ng		90
27) 2,4-Dimethylphenol	10.253	122	9717	4.289	ng		94
28) bis(2-Chloroethoxy)met...	10.494	93	12818	4.862	ng		91
29) 2,4-Dichlorophenol	10.753	162	12197	4.783	ng		99
30) 1,2,4-Trichlorobenzene	10.970	180	14852	5.241	ng		87
31) Naphthalene	11.158	128	34470	4.972	ng		99
33) 4-Chloroaniline	11.264	127	14832	4.583	ng	#	91
34) Hexachlorobutadiene	11.434	225	10647	5.352	ng		94
35) Caprolactam	12.010	113	3624	4.214	ng		91
36) 4-Chloro-3-methylphenol	12.363	107	11036	4.481	ng		95
37) 2-Methylnaphthalene	12.745	142	26002	4.549	ng		96
38) 1-Methylnaphthalene	12.962	142	25803	4.834	ng		93
40) 1,2,4,5-Tetrachloroben...	13.109	216	20322	5.277	ng		97
41) Hexachlorocyclopentadiene	13.079	237	4222	8.275	ng		90
43) 2,4,6-Trichlorophenol	13.344	196	11841	4.771	ng		99
44) 2,4,5-Trichlorophenol	13.420	196	11856	4.080	ng		92

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.732	154	40456	5.291	ng		98
47) 2-Chloronaphthalene	13.779	162	30971	5.182	ng		99
48) 2-Nitroaniline	13.978	65	5453	4.414	ng		96
49) Acenaphthylene	14.619	152	47923	4.929	ng		97
50) Dimethylphthalate	14.331	163	42036	4.929	ng		98
51) 2,6-Dinitrotoluene	14.460	165	8759	4.710	ng		95
52) Acenaphthene	14.960	154	28003	4.857	ng		98
53) 3-Nitroaniline	14.795	138	7758	4.303	ng	#	99
55) Dibenzofuran	15.289	168	50412	4.875	ng		98
56) 4-Nitrophenol	15.112	139	4247	3.447	ng		84
57) 2,4-Dinitrotoluene	15.247	165	12044	4.598	ng	#	92
58) Fluorene	15.935	166	41449	5.038	ng		95
59) 2,3,4,6-Tetrachlorophenol	15.518	232	10557	4.086	ng	#	98
60) Diethylphthalate	15.682	149	38306	4.783	ng		97
61) 4-Chlorophenyl-phenyle...	15.917	204	24561	4.892	ng		97
62) 4-Nitroaniline	15.947	138	7730	4.285	ng		95
63) Azobenzene	16.211	77	27135	4.925	ng		94
65) 4,6-Dinitro-2-methylph...	16.017	198	6158	3.229	ng		94
66) n-Nitrosodiphenylamine	16.129	169	36776	4.788	ng		99
67) 4-Bromophenyl-phenylether	16.810	248	16601	4.780	ng		98
68) Hexachlorobenzene	16.940	284	17502	5.145	ng		100
69) Atrazine	17.063	200	15542	5.245	ng		96
70) Pentachlorophenol	17.292	266	4404m	2.140	ng		
71) Phenanthrene	17.674	178	70251	4.948	ng		98
72) Anthracene	17.768	178	71885	4.932	ng		98
73) Carbazole	18.032	167	59016	4.754	ng		98
74) Di-n-butylphthalate	18.561	149	59174	4.540	ng		98
75) Fluoranthene	19.666	202	87049	4.858	ng		97
77) Benzidine	19.836	184	41374	5.944	ng		98
78) Pyrene	20.030	202	87988	4.810	ng		98
80) Butylbenzylphthalate	20.882	149	25771	4.613	ng		97
81) Benzo(a)anthracene	21.898	228	86763	4.825	ng		95
82) 3,3'-Dichlorobenzidine	21.804	252	34506	5.329	ng		100
83) Chrysene	21.969	228	82282	4.871	ng		95
84) Bis(2-ethylhexyl)phtha...	21.763	149	36345	4.538	ng		99
85) Di-n-octyl phthalate	23.032	149	60702	4.551	ng		99
87) Indeno(1,2,3-cd)pyrene	29.272	276	94737	4.604	ng	#	92
88) Benzo(b)fluoranthene	24.249	252	89158	5.110	ng		97
89) Benzo(k)fluoranthene	24.319	252	87296	4.956	ng		98
90) Benzo(a)pyrene	25.177	252	76778	4.467	ng		98
91) Dibenzo(a,h)anthracene	29.331	278	84648	4.901	ng		96
92) Benzo(g,h,i)perylene	30.500	276	80344	4.821	ng		96

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

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