Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033123\
Data File : BG056940.D
Acq On : 31 Mar 2023 12:03
Operator : CG/JU
Sample : 01627-02
Misc : LOQ-SOIL-10ppm
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 31 12:37:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 03:23:11 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.414	152	16438	20.000	ng		0.00
21) Naphthalene-d8	11.257	136	64234	20.000	ng		0.00
39) Acenaphthene-d10	15.028	164	50400	20.000	ng		0.00
64) Phenanthrene-d10	17.766	188	125253	20.000	ng		0.00
76) Chrysene-d12	22.089	240	120503	20.000	ng		0.00
86) Perylene-d12	25.638	264	131949	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.917	112	104529	101.772	ng		0.00
7) Phenol-d6	7.539	99	157789	102.718	ng		0.00
23) Nitrobenzene-d5	9.589	82	122485	78.024	ng		0.00
42) 2,4,6-Tribromophenol	16.509	330	89942	111.707	ng		0.00
45) 2-Fluorobiphenyl	13.654	172	299104	80.474	ng		0.00
79) Terphenyl-d14	20.339	244	568807	79.875	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.726	88	4731	10.508	ng		90
3) Pyridine	4.149	79	12151	8.379	ng		92
4) n-Nitrosodimethylamine	4.055	42	6271	9.406	ng	#	98
6) Aniline	7.721	93	17813	9.071	ng		95
8) 2-Chlorophenol	7.967	128	9033	8.830	ng		96
9) Benzaldehyde	7.533	77	11512	11.948	ng		86
10) Phenol	7.562	94	13345	8.767	ng		93
11) bis(2-Chloroethyl)ether	7.809	93	10180	9.389	ng		95
12) 1,3-Dichlorobenzene	8.302	146	11233	9.937	ng		90
13) 1,4-Dichlorobenzene	8.449	146	11248	9.859	ng		89
14) 1,2-Dichlorobenzene	8.772	146	10376	9.414	ng		96
15) Benzyl Alcohol	8.637	79	11280	8.837	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.931	45	12851	9.835	ng		97
17) 2-Methylphenol	8.837	107	9399	8.655	ng		91
18) Hexachloroethane	9.518	117	3853	9.240	ng		92
19) n-Nitroso-di-n-propyla...	9.207	70	10037	9.135	ng		96
20) 3+4-Methylphenols	9.172	107	12323	8.115	ng		95
22) Acetophenone	9.236	105	18688	9.777	ng	#	96
24) Nitrobenzene	9.630	77	15530	9.676	ng	#	97
25) Isophorone	10.153	82	27633	9.244	ng		94
26) 2-Nitrophenol	10.352	139	5928	9.569	ng		91
27) 2,4-Dimethylphenol	10.388	122	10385	9.494	ng		98
28) bis(2-Chloroethoxy)met...	10.629	93	14276	9.539	ng	#	95
29) 2,4-Dichlorophenol	10.887	162	10362	8.809	ng		96
30) 1,2,4-Trichlorobenzene	11.110	180	11744	9.396	ng		94
31) Naphthalene	11.304	128	33158	9.470	ng		98
32) Benzoic acid	10.458	122	7335m	9.763	ng		
33) 4-Chloroaniline	11.398	127	14342	9.070	ng	#	96
34) Hexachlorobutadiene	11.580	225	9012	9.599	ng		89
35) Caprolactam	12.132	113	3817	9.409	ng	#	85
36) 4-Chloro-3-methylphenol	12.485	107	12293	9.345	ng		98
37) 2-Methylnaphthalene	12.878	142	25363	9.127	ng		94
38) 1-Methylnaphthalene	13.096	142	22654	8.682	ng		97
40) 1,2,4,5-Tetrachloroben...	13.237	216	17155	9.816	ng		98
41) Hexachlorocyclopentadiene	13.219	237	9864	10.243	ng		98
43) 2,4,6-Trichlorophenol	13.466	196	10097	9.053	ng		89

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.536	196	11340	8.583	ng	#	88
46) 1,1'-Biphenyl	13.865	154	36410	9.869	ng		96
47) 2-Chloronaphthalene	13.918	162	26306	9.641	ng		96
48) 2-Nitroaniline	14.106	65	9228	9.458	ng		94
49) Acenaphthylene	14.752	152	43405	9.682	ng		94
50) Dimethylphthalate	14.459	163	37045	9.328	ng	#	95
51) 2,6-Dinitrotoluene	14.588	165	8556	9.972	ng		90
52) Acenaphthene	15.093	154	29384	9.503	ng		96
53) 3-Nitroaniline	14.911	138	7717	9.087	ng		94
54) 2,4-Dinitrophenol	15.117	184	4256	8.813	ng	#	84
55) Dibenzofuran	15.422	168	44923	9.680	ng		96
56) 4-Nitrophenol	15.205	139	5516	8.783	ng		92
57) 2,4-Dinitrotoluene	15.369	165	10674	8.821	ng	#	97
58) Fluorene	16.068	166	36790	9.580	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.639	232	11437	9.507	ng	#	99
60) Diethylphthalate	15.810	149	37570	9.437	ng		96
61) 4-Chlorophenyl-phenyle...	16.051	204	20906	9.272	ng		94
62) 4-Nitroaniline	16.068	138	8458	9.612	ng		88
63) Azobenzene	16.338	77	36955	9.314	ng		98
65) 4,6-Dinitro-2-methylph...	16.127	198	5784	7.625	ng		88
66) n-Nitrosodiphenylamine	16.262	169	31504	9.370	ng		96
67) 4-Bromophenyl-phenylether	16.943	248	14042	9.061	ng		95
68) Hexachlorobenzene	17.073	284	15577	10.166	ng		96
69) Atrazine	17.184	200	14656	10.501	ng		96
70) Pentachlorophenol	17.408	266	9717	8.840	ng		91
71) Phenanthrene	17.807	178	60908	9.538	ng		98
72) Anthracene	17.901	178	62641	9.569	ng		98
73) Carbazole	18.159	167	54704	9.584	ng		95
74) Di-n-butylphthalate	18.688	149	61861	9.360	ng		98
75) Fluoranthene	19.798	202	76635	9.467	ng		97
77) Benzidine	19.963	184	42460m	12.891	ng		
78) Pyrene	20.157	202	80670	9.679	ng		95
80) Butylbenzylphthalate	21.020	149	25341	8.836	ng		96
81) Benzo(a)anthracene	22.066	228	77519	9.296	ng		97
82) 3,3'-Dichlorobenzidine	21.960	252	32391	11.503	ng		98
83) Chrysene	22.142	228	72228	9.251	ng		100
84) Bis(2-ethylhexyl)phtha...	21.925	149	38544	9.281	ng		95
85) Di-n-octyl phthalate	23.247	149	62824	8.977	ng		98
87) Indeno(1,2,3-cd)pyrene	29.709	276	90643	9.295	ng	#	75
88) Benzo(b)fluoranthene	24.498	252	82600	10.011	ng		98
89) Benzo(k)fluoranthene	24.574	252	78267	9.501	ng		97
90) Benzo(a)pyrene	25.461	252	70327	8.674	ng		99
91) Dibenzo(a,h)anthracene	29.797	278	76611	9.558	ng		95
92) Benzo(g,h,i)perylene	31.007	276	72599	9.250	ng		96

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

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