Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040323\
Data File : BG056953.D
Acq On : 3 Apr 2023 11:47
Operator : CG/JU
Sample : 01627-03
Misc : MDL-MDL-SOIL 8ppm
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 04 04:53:46 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 :
MDL-SOIL-03-QT1-2023

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/04/2023
Supervised By :Jagrut Upadhyay 04/05/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.414	152	16388	20.000	ng		0.00
21) Naphthalene-d8	11.257	136	68547	20.000	ng	#	0.00
39) Acenaphthene-d10	15.028	164	53681	20.000	ng		0.00
64) Phenanthrene-d10	17.772	188	135337	20.000	ng		0.00
76) Chrysene-d12	22.095	240	127220	20.000	ng		0.00
86) Perylene-d12	25.638	264	139644	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.917	112	105363	102.897	ng		0.00
7) Phenol-d6	7.539	99	154320	100.766	ng		0.00
23) Nitrobenzene-d5	9.589	82	126409	75.457	ng		0.00
42) 2,4,6-Tribromophenol	16.509	330	91989	107.267	ng		0.00
45) 2-Fluorobiphenyl	13.654	172	302372	76.381	ng		0.00
79) Terphenyl-d14	20.339	244	584277	77.715	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.726	88	3395	7.563	ng		89
3) Pyridine	4.155	79	8873	6.137	ng		90
4) n-Nitrosodimethylamine	4.055	42	4468	6.722	ng	#	76
6) Aniline	7.727	93	13399	6.844	ng	#	89
8) 2-Chlorophenol	7.967	128	6964	6.828	ng		86
9) Benzaldehyde	7.539	77	9225	9.604	ng	#	87
10) Phenol	7.562	94	11043	7.277	ng		93
11) bis(2-Chloroethyl)ether	7.809	93	7506	6.944	ng		97
12) 1,3-Dichlorobenzene	8.302	146	8624	7.652	ng		93
13) 1,4-Dichlorobenzene	8.449	146	8453	7.432	ng		94
14) 1,2-Dichlorobenzene	8.772	146	8135	7.403	ng		90
15) Benzyl Alcohol	8.643	79	8331	6.547	ng		92
16) 2,2'-oxybis(1-Chloropr...	8.931	45	9733	7.471	ng		94
17) 2-Methylphenol	8.837	107	7342	6.782	ng		90
18) Hexachloroethane	9.518	117	2886	6.942	ng	#	80
19) n-Nitroso-di-n-propyla...	9.213	70	7943	7.251	ng	#	95
20) 3+4-Methylphenols	9.166	107	10045	6.635	ng		97
22) Acetophenone	9.236	105	14271	6.997	ng	#	89
24) Nitrobenzene	9.636	77	12527	7.314	ng	#	84
25) Isophorone	10.153	82	21688	6.799	ng		97
26) 2-Nitrophenol	10.352	139	4248	6.426	ng	#	86
27) 2,4-Dimethylphenol	10.394	122	7804	6.686	ng		98
28) bis(2-Chloroethoxy)met...	10.629	93	11034	6.909	ng		96
29) 2,4-Dichlorophenol	10.893	162	7932	6.319	ng		97
30) 1,2,4-Trichlorobenzene	11.110	180	9901	7.423	ng		97
31) Naphthalene	11.310	128	25235	6.754	ng		95
32) Benzoic acid	10.458	122	3364	4.196	ng		94
33) 4-Chloroaniline	11.404	127	10868	6.440	ng		99
34) Hexachlorobutadiene	11.586	225	6879	6.866	ng		98
35) Caprolactam	12.138	113	2889	6.673	ng	#	85
36) 4-Chloro-3-methylphenol	12.491	107	8633	6.150	ng	#	81
37) 2-Methylnaphthalene	12.878	142	20097	6.777	ng		94
38) 1-Methylnaphthalene	13.096	142	19144m	6.875	ng		
40) 1,2,4,5-Tetrachloroben...	13.237	216	13448	7.224	ng		99
41) Hexachlorocyclopentadiene	13.219	237	7247	7.066	ng		94
43) 2,4,6-Trichlorophenol	13.472	196	7729	6.506	ng		98

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44) 2,4,5-Trichlorophenol	13.542	196	8518	6.053	ng		96
46) 1,1'-Biphenyl	13.865	154	27634	7.032	ng		93
47) 2-Chloronaphthalene	13.918	162	20497	7.053	ng		97
48) 2-Nitroaniline	14.106	65	6587	6.338	ng		94
49) Acenaphthylene	14.758	152	33347	6.983	ng		97
50) Dimethylphthalate	14.459	163	29283	6.923	ng	#	99
51) 2,6-Dinitrotoluene	14.588	165	5874	6.428	ng		97
52) Acenaphthene	15.093	154	21475	6.521	ng		92
53) 3-Nitroaniline	14.917	138	5990	6.622	ng		91
54) 2,4-Dinitrophenol	15.122	184	2515	4.889	ng		94
55) Dibenzofuran	15.422	168	35515	7.185	ng		97
56) 4-Nitrophenol	15.205	139	4403	6.583	ng		86
57) 2,4-Dinitrotoluene	15.369	165	8474	6.575	ng	#	97
58) Fluorene	16.068	166	29698	7.261	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.639	232	8823	6.886	ng	#	91
60) Diethylphthalate	15.810	149	29430	6.941	ng		95
61) 4-Chlorophenyl-phenyle...	16.051	204	16729	6.966	ng		96
62) 4-Nitroaniline	16.074	138	6997	7.466	ng	#	71
63) Azobenzene	16.344	77	28391	6.719	ng		99
65) 4,6-Dinitro-2-methylph...	16.127	198	4229	5.159	ng		96
66) n-Nitrosodiphenylamine	16.262	169	23996	6.605	ng		95
67) 4-Bromophenyl-phenylether	16.944	248	11106	6.632	ng		95
68) Hexachlorobenzene	17.073	284	12341	7.454	ng		94
69) Atrazine	17.190	200	10792	7.156	ng		96
70) Pentachlorophenol	17.413	266	5418m	4.562	ng		
71) Phenanthrene	17.813	178	46870	6.793	ng		99
72) Anthracene	17.901	178	49599	7.012	ng		96
73) Carbazole	18.165	167	42915	6.959	ng		97
74) Di-n-butylphthalate	18.688	149	47604	6.666	ng		98
75) Fluoranthene	19.798	202	58281	6.663	ng		99
77) Benzidine	19.963	184	33395	9.604	ng		98
78) Pyrene	20.157	202	59699	6.785	ng		98
80) Butylbenzylphthalate	21.020	149	19696	6.505	ng		93
81) Benzo(a)anthracene	22.072	228	60751	6.901	ng		96
82) 3,3'-Dichlorobenzidine	21.966	252	23823	8.014	ng		99
83) Chrysene	22.142	228	57843	7.017	ng		99
84) Bis(2-ethylhexyl)phtha...	21.925	149	29202	6.660	ng		93
85) Di-n-octyl phthalate	23.247	149	48194	6.523	ng		98
87) Indeno(1,2,3-cd)pyrene	29.720	276	72298	7.005	ng	#	82
88) Benzo(b)fluoranthene	24.498	252	60778	6.960	ng		95
89) Benzo(k)fluoranthene	24.574	252	63433	7.276	ng		97
90) Benzo(a)pyrene	25.467	252	53502	6.235	ng		93
91) Dibenzo(a,h)anthracene	29.797	278	59580	7.023	ng	#	92
92) Benzo(g,h,i)perylene	31.019	276	56772	6.835	ng		98

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

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