

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032122\
 Data File : BM034293.D
 Acq On : 21 Mar 2022 18:16
 Operator : CG/JU
 Sample : M4068-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Quant Time: Mar 22 04:10:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 02:38:26 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/22/2022
 Supervised By : Jagrut Upadhyay 03/22/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	176052	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	728743	20.000	ng	-0.01
39) Acenaphthene-d10	14.583	164	495371	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	1052427	20.000	ng	0.00
76) Chrysene-d12	21.494	240	1102467	20.000	ng	0.00
86) Perylene-d12	23.906	264	1067867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	1259282	128.320	ng	0.00
7) Phenol-d6	7.101	99	1795431	127.782	ng	0.00
23) Nitrobenzene-d5	9.107	82	1240065	82.848	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	904819	135.513	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	2953670	81.478	ng	0.00
79) Terphenyl-d14	19.942	244	5081102	80.084	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.354	88	39424	8.879	ng	95
3) Pyridine	3.766	79	100448	8.360	ng	97
4) n-Nitrosodimethylamine	3.666	42	54089	9.481	ng	95
6) Aniline	7.266	93	162076	10.094	ng	95
8) 2-Chlorophenol	7.507	128	106221	9.254	ng	98
9) Benzaldehyde	7.072	77	98630m	13.029	ng	
10) Phenol	7.125	94	130779	9.358	ng	95
11) bis(2-Chloroethyl)ether	7.360	93	108564	9.465	ng	98
12) 1,3-Dichlorobenzene	7.836	146	122698	9.424	ng	97
13) 1,4-Dichlorobenzene	7.983	146	124124	9.312	ng	97
14) 1,2-Dichlorobenzene	8.301	146	118412	9.113	ng	99
15) Benzyl Alcohol	8.183	79	100267	8.967	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.478	45	151537	9.627	ng	100
17) 2-Methylphenol	8.383	107	87236	8.913	ng	97
18) Hexachloroethane	9.036	117	46379	9.434	ng	97
19) n-Nitroso-di-n-propyla...	8.754	70	97269	9.571	ng	99
20) 3+4-Methylphenols	8.713	107	118951	8.788	ng	98
22) Acetophenone	8.766	105	177234	9.477	ng	97
24) Nitrobenzene	9.148	77	139558	9.987	ng	99
25) Isophorone	9.677	82	253996	10.141	ng	98
26) 2-Nitrophenol	9.866	139	52954	8.545	ng	97
27) 2,4-Dimethylphenol	9.925	122	94993	9.789	ng	99
28) bis(2-Chloroethoxy)met...	10.160	93	150286	9.372	ng	100
29) 2,4-Dichlorophenol	10.401	162	99689	8.842	ng	97
30) 1,2,4-Trichlorobenzene	10.619	180	117933	9.202	ng	98
31) Naphthalene	10.807	128	358542	9.444	ng	99
32) Benzoic acid	10.013	122	73797	9.196	ng	99
33) 4-Chloroaniline	10.913	127	136980	9.146	ng	99
34) Hexachlorobutadiene	11.101	225	73782	9.089	ng	97
35) Caprolactam	11.666	113	35509	9.060	ng	97
36) 4-Chloro-3-methylphenol	12.036	107	116184	8.992	ng	96
37) 2-Methylnaphthalene	12.418	142	255848	9.444	ng	99
38) 1-Methylnaphthalene	12.636	142	248746	9.386	ng	98
40) 1,2,4,5-Tetrachloroben...	12.783	216	139300	9.318	ng	99
41) Hexachlorocyclopentadiene	12.771	237	92648	10.703	ng	99
43) 2,4,6-Trichlorophenol	13.018	196	86039	8.336	ng	100

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44) 2,4,5-Trichlorophenol	13.089	196	93725	8.460	ng	98
46) 1,1'-Biphenyl	13.424	154	354508	9.386	ng	99
47) 2-Chloronaphthalene	13.465	162	264837	9.135	ng	98
48) 2-Nitroaniline	13.660	65	73989	8.347	ng	99
49) Acenaphthylene	14.307	152	443118	9.806	ng	99
50) Dimethylphthalate	14.036	163	355525	9.430	ng	99
51) 2,6-Dinitrotoluene	14.148	165	73180	9.463	ng	94
52) Acenaphthene	14.648	154	282086	9.268	ng	99
53) 3-Nitroaniline	14.477	138	65933	8.498	ng	97
54) 2,4-Dinitrophenol	14.683	184	39012	9.004	ng	95
55) Dibenzofuran	14.977	168	419055	9.238	ng	99
56) 4-Nitrophenol	14.777	139	66829	10.625	ng	96
57) 2,4-Dinitrotoluene	14.936	165	96636	9.245	ng	98
58) Fluorene	15.624	166	341664	9.278	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.207	232	88756	8.885	ng	99
60) Diethylphthalate	15.395	149	369044	9.541	ng	100
61) 4-Chlorophenyl-phenyle...	15.624	204	171129	9.102	ng	100
62) 4-Nitroaniline	15.636	138	60268m	8.075	ng	
63) Azobenzene	15.912	77	350228	9.389	ng	99
65) 4,6-Dinitro-2-methylph...	15.695	198	61869	9.041	ng	94
66) n-Nitrosodiphenylamine	15.830	169	301924	9.030	ng	99
67) 4-Bromophenyl-phenylether	16.512	248	107361	8.874	ng	100
68) Hexachlorobenzene	16.636	284	125269	9.283	ng	96
69) Atrazine	16.777	200	111336	10.102	ng	98
70) Pentachlorophenol	16.971	266	87365	10.124	ng	94
71) Phenanthrene	17.365	178	555453	9.424	ng	99
72) Anthracene	17.453	178	534443	9.316	ng	99
73) Carbazole	17.724	167	467627	8.741	ng	99
74) Di-n-butylphthalate	18.289	149	619809	9.319	ng	99
75) Fluoranthene	19.377	202	642976	9.732	ng	99
77) Benzidine	19.559	184	167641m	10.376	ng	
78) Pyrene	19.736	202	672310	8.655	ng	99
80) Butylbenzylphthalate	20.630	149	274631	8.360	ng	99
81) Benzo(a)anthracene	21.477	228	656091	9.429	ng	99
82) 3,3'-Dichlorobenzidine	21.412	252	201238	8.659	ng	98
83) Chrysene	21.530	228	638505	8.986	ng	99
84) Bis(2-ethylhexyl)phtha...	21.406	149	425583	8.773	ng	99
85) Di-n-octyl phthalate	22.335	149	695042	9.026	ng	99
87) Indeno(1,2,3-cd)pyrene	26.418	276	557943	8.122	ng	98
88) Benzo(b)fluoranthene	23.171	252	619798	9.706	ng	99
89) Benzo(k)fluoranthene	23.218	252	651343	9.629	ng	100
90) Benzo(a)pyrene	23.800	252	565044	10.438	ng	99
91) Dibenzo(a,h)anthracene	26.435	278	471201	8.460	ng	100
92) Benzo(g,h,i)perylene	27.188	276	507322	8.800	ng	99

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

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