

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
 Data File : BM034305.D
 Acq On : 22 Mar 2022 11:33
 Operator : CG/JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Quant Time: Mar 22 14:39:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 22 14:39:10 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/23/2022
 Supervised By : Jagrut Upadhyay 03/23/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	145563	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	606446	20.000	ng	-0.01
39) Acenaphthene-d10	14.583	164	419587	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	879271	20.000	ng	-0.01
76) Chrysene-d12	21.494	240	938273	20.000	ng	0.00
86) Perylene-d12	23.906	264	980677	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	947177	116.733	ng	-0.01
7) Phenol-d6	7.095	99	1401584	120.645	ng	-0.01
23) Nitrobenzene-d5	9.101	82	1083499	86.986	ng	-0.01
42) 2,4,6-Tribromophenol	16.065	330	683314	120.823	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	2558185	83.314	ng	0.00
79) Terphenyl-d14	19.942	244	4178593	77.384	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.348	88	28587	7.787	ng	97
3) Pyridine	3.766	79	67530	6.798	ng	92
4) n-Nitrosodimethylamine	3.666	42	33295	7.059	ng	# 98
6) Aniline	7.260	93	110473	8.321	ng	99
8) 2-Chlorophenol	7.501	128	70254	7.403	ng	99
9) Benzaldehyde	7.072	77	68078m	10.877	ng	
10) Phenol	7.125	94	86037	7.446	ng	99
11) bis(2-Chloroethyl)ether	7.360	93	73292	7.728	ng	99
12) 1,3-Dichlorobenzene	7.831	146	80135	7.444	ng	95
13) 1,4-Dichlorobenzene	7.978	146	83267	7.555	ng	98
14) 1,2-Dichlorobenzene	8.295	146	78685	7.324	ng	99
15) Benzyl Alcohol	8.178	79	61780	6.682	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.472	45	101448	7.795	ng	98
17) 2-Methylphenol	8.383	107	58467	7.225	ng	99
18) Hexachloroethane	9.030	117	29632	7.290	ng	98
19) n-Nitroso-di-n-propyla...	8.748	70	62599	7.449	ng	98
20) 3+4-Methylphenols	8.713	107	76312	6.819	ng	97
22) Acetophenone	8.766	105	115714	7.435	ng	# 97
24) Nitrobenzene	9.142	77	94008	8.084	ng	98
25) Isophorone	9.672	82	166232	7.975	ng	98
26) 2-Nitrophenol	9.860	139	34506	6.691	ng	99
27) 2,4-Dimethylphenol	9.919	122	66213	8.199	ng	95
28) bis(2-Chloroethoxy)met...	10.160	93	99200	7.434	ng	98
29) 2,4-Dichlorophenol	10.395	162	63006	6.715	ng	99
30) 1,2,4-Trichlorobenzene	10.619	180	78394	7.350	ng	94
31) Naphthalene	10.801	128	242993	7.691	ng	99
32) Benzoic acid	9.983	122	27619m	4.136	ng	
33) 4-Chloroaniline	10.913	127	87681	7.035	ng	98
34) Hexachlorobutadiene	11.101	225	48506	7.180	ng	97
35) Caprolactam	11.660	113	21701	6.653	ng	99
36) 4-Chloro-3-methylphenol	12.030	107	74803	6.957	ng	97
37) 2-Methylnaphthalene	12.413	142	171788	7.620	ng	99
38) 1-Methylnaphthalene	12.630	142	167746	7.606	ng	98
40) 1,2,4,5-Tetrachloroben...	12.783	216	91407	7.219	ng	99
41) Hexachlorocyclopentadiene	12.766	237	55277	7.539	ng	99
43) 2,4,6-Trichlorophenol	13.018	196	54253	6.206	ng	100

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44) 2,4,5-Trichlorophenol	13.083	196	57558	6.134	ng	97
46) 1,1'-Biphenyl	13.418	154	240753	7.525	ng	98
47) 2-Chloronaphthalene	13.460	162	174719	7.115	ng	98
48) 2-Nitroaniline	13.660	65	46819	6.236	ng	99
49) Acenaphthylene	14.301	152	293478	7.668	ng	99
50) Dimethylphthalate	14.036	163	234437	7.341	ng	99
51) 2,6-Dinitrotoluene	14.148	165	47439	7.242	ng	97
52) Acenaphthene	14.648	154	182287	7.071	ng	99
53) 3-Nitroaniline	14.477	138	39660	6.035	ng	100
54) 2,4-Dinitrophenol	14.683	184	14782	4.028	ng	99
55) Dibenzofuran	14.977	168	282287	7.347	ng	98
56) 4-Nitrophenol	14.783	139	26668m	5.006	ng	
57) 2,4-Dinitrotoluene	14.936	165	60065	6.784	ng	98
58) Fluorene	15.624	166	226869	7.274	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.201	232	54457	6.436	ng	97
60) Diethylphthalate	15.395	149	239244	7.302	ng	98
61) 4-Chlorophenyl-phenyle...	15.618	204	115227	7.236	ng	98
62) 4-Nitroaniline	15.636	138	35469m	5.611	ng	
63) Azobenzene	15.912	77	227069	7.187	ng	99
65) 4,6-Dinitro-2-methylph...	15.695	198	28323	4.954	ng	93
66) n-Nitrosodiphenylamine	15.830	169	197149	7.058	ng	98
67) 4-Bromophenyl-phenylether	16.512	248	71592	7.083	ng	95
68) Hexachlorobenzene	16.636	284	83047	7.366	ng	96
69) Atrazine	16.777	200	70423	7.648	ng	98
70) Pentachlorophenol	16.971	266	43768	6.071	ng	95
71) Phenanthrene	17.359	178	365052	7.414	ng	100
72) Anthracene	17.453	178	360740	7.527	ng	99
73) Carbazole	17.718	167	303275	6.785	ng	100
74) Di-n-butylphthalate	18.289	149	380505	6.848	ng	99
75) Fluoranthene	19.377	202	422659	7.657	ng	99
77) Benzidine	19.559	184	121849m	8.862	ng	
78) Pyrene	19.736	202	448455	6.784	ng	99
80) Butylbenzylphthalate	20.630	149	168915	6.042	ng	98
81) Benzo(a)anthracene	21.477	228	435948	7.361	ng	98
82) 3,3'-Dichlorobenzidine	21.406	252	130240	6.585	ng	99
83) Chrysene	21.530	228	440944	7.291	ng	100
84) Bis(2-ethylhexyl)phtha...	21.406	149	266007	6.443	ng	99
85) Di-n-octyl phthalate	22.335	149	447301	6.826	ng	99
87) Indeno(1,2,3-cd)pyrene	26.412	276	402817	6.385	ng	97
88) Benzo(b)fluoranthene	23.165	252	411288	7.013	ng	99
89) Benzo(k)fluoranthene	23.212	252	461973	7.437	ng	98
90) Benzo(a)pyrene	23.794	252	399671	8.040	ng	99
91) Dibenzo(a,h)anthracene	26.429	278	332567	6.501	ng	98
92) Benzo(g,h,i)perylene	27.182	276	378039	7.140	ng	98

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

