

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
 Data File : BM044053.D
 Acq On : 12 Feb 2024 12:53
 Operator : MA/JU
 Sample : 03572-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Feb 12 14:02:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 09 02:42:01 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/14/2024
 Supervised By :mohammad ahmed 02/14/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	471976	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	1926225	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1082116	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	2085038	20.000	ng	0.00
76) Chrysene-d12	21.503	240	1662047	20.000	ng	0.00
86) Perylene-d12	23.897	264	1832461	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	2731323	84.168	ng	0.00
7) Phenol-d6	7.075	99	3478441	84.247	ng	0.00
23) Nitrobenzene-d5	9.075	82	2257829	62.199	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	985253	84.092	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	4751835	61.975	ng	0.00
79) Terphenyl-d14	19.945	244	5767845	60.836	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	84609	6.570	ng	97
3) Pyridine	3.787	79	188622	5.548	ng	96
4) n-Nitrosodimethylamine	3.710	42	77808	6.031	ng	# 94
6) Aniline	7.240	93	287294	7.077	ng	97
8) 2-Chlorophenol	7.469	128	202460	5.974	ng	98
9) Benzaldehyde	7.051	77	182999m	8.625	ng	
10) Phenol	7.098	94	255056	6.121	ng	96
11) bis(2-Chloroethyl)ether	7.340	93	210866	6.111	ng	98
12) 1,3-Dichlorobenzene	7.793	146	229253	5.959	ng	99
13) 1,4-Dichlorobenzene	7.940	146	233590	6.023	ng	98
14) 1,2-Dichlorobenzene	8.257	146	221180	5.985	ng	97
15) Benzyl Alcohol	8.151	79	159233	5.923	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.445	45	274688	6.279	ng	99
17) 2-Methylphenol	8.351	107	159165	5.819	ng	98
18) Hexachloroethane	8.981	117	83516	5.751	ng	96
19) n-Nitroso-di-n-propyla...	8.722	70	153119	6.039	ng	99
20) 3+4-Methylphenols	8.681	107	211590	5.620	ng	98
22) Acetophenone	8.734	105	314855	6.440	ng	# 97
24) Nitrobenzene	9.116	77	230507	6.201	ng	98
25) Isophorone	9.639	82	398108	5.696	ng	100
26) 2-Nitrophenol	9.828	139	87173	5.058	ng	98
27) 2,4-Dimethylphenol	9.887	122	153470	6.964	ng	97
28) bis(2-Chloroethoxy)met...	10.134	93	273188	6.043	ng	98
29) 2,4-Dichlorophenol	10.351	162	161651	5.572	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	194010	5.947	ng	99
31) Naphthalene	10.757	128	636990	5.992	ng	100
32) Benzoic acid	9.957	122	67742	3.052	ng	92
33) 4-Chloroaniline	10.875	127	248023	6.161	ng	99
34) Hexachlorobutadiene	11.034	225	107945	5.780	ng	97
35) Caprolactam	11.645	113	44854	4.804	ng	96
36) 4-Chloro-3-methylphenol	11.998	107	169446	5.393	ng	98
37) 2-Methylnaphthalene	12.369	142	413800	5.843	ng	99
38) 1-Methylnaphthalene	12.592	142	401324	5.767	ng	99
40) 1,2,4,5-Tetrachloroben...	12.733	216	195572	6.218	ng	99
41) Hexachlorocyclopentadiene	12.704	237	99707	7.264	ng	98
43) 2,4,6-Trichlorophenol	12.980	196	113600	5.307	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	123832	5.272	ng	97
46) 1,1'-Biphenyl	13.386	154	547584	6.413	ng	99
47) 2-Chloronaphthalene	13.427	162	414157	6.123	ng	98
48) 2-Nitroaniline	13.639	65	101867	5.353	ng	92
49) Acenaphthylene	14.269	152	659291	6.534	ng	99
50) Dimethylphthalate	14.016	163	481070	5.996	ng	100
51) 2,6-Dinitrotoluene	14.139	165	92889	5.248	ng	93
52) Acenaphthene	14.610	154	378269	6.057	ng	98
53) 3-Nitroaniline	14.463	138	99355	5.223	ng	91
54) 2,4-Dinitrophenol	14.669	184	30692	8.274	ng	97
55) Dibenzofuran	14.951	168	612602	6.337	ng	99
56) 4-Nitrophenol	14.769	139	67039	4.335	ng	94
57) 2,4-Dinitrotoluene	14.922	165	111352	4.813	ng	93
58) Fluorene	15.598	166	474807	6.357	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.174	232	103121	5.594	ng	98
60) Diethylphthalate	15.380	149	461680	5.568	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	225732	6.237	ng	98
62) 4-Nitroaniline	15.627	138	90377	4.720	ng	93
63) Azobenzene	15.892	77	453050	5.824	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	48045	3.867	ng	96
66) n-Nitrosodiphenylamine	15.816	169	386216	6.097	ng	100
67) 4-Bromophenyl-phenylether	16.498	248	112583	5.461	ng	98
68) Hexachlorobenzene	16.592	284	151131	5.985	ng	98
69) Atrazine	16.774	200	117791	6.867	ng	100
70) Pentachlorophenol	16.945	266	70842	4.312	ng	96
71) Phenanthrene	17.345	178	703890	6.393	ng	99
72) Anthracene	17.433	178	665380	6.104	ng	100
73) Carbazole	17.710	167	614335	5.795	ng	99
74) Di-n-butylphthalate	18.286	149	678727	4.926	ng	99
75) Fluoranthene	19.362	202	708832	5.731	ng	99
77) Benzidine	19.562	184	226869	8.784	ng	99
78) Pyrene	19.727	202	748288	5.846	ng	99
80) Butylbenzylphthalate	20.651	149	246753	4.337	ng	98
81) Benzo(a)anthracene	21.486	228	692830	5.993	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	219514	5.787	ng	99
83) Chrysene	21.539	228	640773	5.867	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	369088	4.396	ng	100
85) Di-n-octyl phthalate	22.374	149	580634	3.960	ng	98
87) Indeno(1,2,3-cd)pyrene	26.380	276	755578	5.826	ng	99
88) Benzo(b)fluoranthene	23.168	252	653838	5.708	ng	99
89) Benzo(k)fluoranthene	23.215	252	641197	5.891	ng	99
90) Benzo(a)pyrene	23.791	252	554048	5.537	ng	100
91) Dibenzo(a,h)anthracene	26.409	278	643911	5.935	ng	98
92) Benzo(g,h,i)perylene	27.132	276	620409	5.639	ng	99

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

