

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
 Data File : BM044062.D
 Acq On : 12 Feb 2024 18:19
 Operator : MA/JU
 Sample : P1187-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Feb 13 00:47:44 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	419462	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	2031908	20.000	ng	0.00
39) Acenaphthene-d10	14.551	164	1242301	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	2405845	20.000	ng	0.00
76) Chrysene-d12	21.498	240	1975095	20.000	ng	0.00
86) Perylene-d12	23.897	264	2182249	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	4011337	139.088	ng	0.00
7) Phenol-d6	7.075	99	5605000	152.746	ng	0.00
23) Nitrobenzene-d5	9.075	82	3096682	80.870	ng	0.00
42) 2,4,6-Tribromophenol	16.045	330	1770321	131.615	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	6846235	77.777	ng	0.00
79) Terphenyl-d14	19.945	244	8652375	76.796	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.387	88	48883	4.271	ng	99
3) Pyridine	3.793	79	118004	3.905	ng	94
4) n-Nitrosodimethylamine	3.710	42	45939	4.007	ng	# 89
6) Aniline	7.240	93	188227	5.217	ng	97
8) 2-Chlorophenol	7.463	128	118532	3.936	ng	96
9) Benzaldehyde	7.051	77	107118m	5.680	ng	
10) Phenol	7.098	94	170517	4.604	ng	93
11) bis(2-Chloroethyl)ether	7.340	93	131017	4.272	ng	99
12) 1,3-Dichlorobenzene	7.793	146	123481	3.611	ng	99
13) 1,4-Dichlorobenzene	7.940	146	126583	3.673	ng	99
14) 1,2-Dichlorobenzene	8.251	146	121770	3.708	ng	98
15) Benzyl Alcohol	8.151	79	110621	4.630	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.440	45	177032	4.554	ng	99
17) 2-Methylphenol	8.351	107	103971	4.277	ng	97
18) Hexachloroethane	8.975	117	44802	3.472	ng	97
19) n-Nitroso-di-n-propyla...	8.722	70	104158	4.623	ng	98
20) 3+4-Methylphenols	8.675	107	139080	4.157	ng	99
22) Acetophenone	8.734	105	210193	4.075	ng	# 98
24) Nitrobenzene	9.116	77	155133	3.956	ng	96
25) Isophorone	9.640	82	273104	3.704	ng	100
26) 2-Nitrophenol	9.828	139	55143	3.033	ng	98
27) 2,4-Dimethylphenol	9.887	122	98674	4.245	ng	97
28) bis(2-Chloroethoxy)met...	10.134	93	190400	3.993	ng	98
29) 2,4-Dichlorophenol	10.351	162	106449	3.478	ng	97
30) 1,2,4-Trichlorobenzene	10.569	180	120626	3.505	ng	98
31) Naphthalene	10.757	128	412335	3.677	ng	98
32) Benzoic acid	9.945	122	46223m	1.974	ng	
33) 4-Chloroaniline	10.875	127	170532	4.016	ng	99
34) Hexachlorobutadiene	11.034	225	67566	3.430	ng	99
35) Caprolactam	11.651	113	29260	2.971	ng	95
36) 4-Chloro-3-methylphenol	11.998	107	110731	3.341	ng	98
37) 2-Methylnaphthalene	12.369	142	282642	3.784	ng	96
38) 1-Methylnaphthalene	12.586	142	274819	3.744	ng	99
40) 1,2,4,5-Tetrachloroben...	12.733	216	133495	3.697	ng	99
41) Hexachlorocyclopentadiene	12.704	237	59571	3.780	ng	96
43) 2,4,6-Trichlorophenol	12.980	196	74158	3.018	ng	93

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44) 2,4,5-Trichlorophenol	13.045	196	83793	3.107	ng	96
46) 1,1'-Biphenyl	13.386	154	375504	3.831	ng	99
47) 2-Chloronaphthalene	13.422	162	284568	3.665	ng	97
48) 2-Nitroaniline	13.639	65	68071	3.116	ng	90
49) Acenaphthylene	14.269	152	451927	3.901	ng	99
50) Dimethylphthalate	14.016	163	337565	3.665	ng	99
51) 2,6-Dinitrotoluene	14.139	165	62102	3.056	ng	95
52) Acenaphthene	14.610	154	262703	3.664	ng	100
53) 3-Nitroaniline	14.469	138	63181	2.893	ng	98
54) 2,4-Dinitrophenol	14.669	184	19416	7.068	ng	92
55) Dibenzofuran	14.951	168	432989	3.902	ng	100
56) 4-Nitrophenol	14.769	139	40503	2.281	ng	# 86
57) 2,4-Dinitrotoluene	14.922	165	73512	2.768	ng	93
58) Fluorene	15.598	166	330491	3.854	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	71071	3.359	ng	97
60) Diethylphthalate	15.380	149	327581	3.441	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	161917	3.897	ng	96
62) 4-Nitroaniline	15.627	138	60560	2.755	ng	92
63) Azobenzene	15.892	77	315833	3.536	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	30931	2.158	ng	97
66) n-Nitrosodiphenylamine	15.816	169	265845	3.637	ng	98
67) 4-Bromophenyl-phenylether	16.498	248	78263	3.290	ng	98
68) Hexachlorobenzene	16.592	284	107313	3.683	ng	99
69) Atrazine	16.774	200	83266	4.207	ng	99
70) Pentachlorophenol	16.945	266	47766	2.520	ng	99
71) Phenanthrene	17.339	178	504832	3.974	ng	99
72) Anthracene	17.433	178	467689	3.718	ng	99
73) Carbazole	17.710	167	431139	3.525	ng	100
74) Di-n-butylphthalate	18.286	149	485096	3.051	ng	99
75) Fluoranthene	19.362	202	503398	3.527	ng	99
77) Benzidine	19.562	184	109598	3.571	ng	98
78) Pyrene	19.727	202	532760	3.502	ng	99
80) Butylbenzylphthalate	20.651	149	178093	2.634	ng	97
81) Benzo(a)anthracene	21.486	228	499272	3.634	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	151042	3.351	ng	99
83) Chrysene	21.539	228	476168	3.669	ng	98
84) Bis(2-ethylhexyl)phtha...	21.433	149	280999	2.817	ng	# 98
85) Di-n-octyl phthalate	22.374	149	421695	2.420	ng	97
87) Indeno(1,2,3-cd)pyrene	26.374	276	538255	3.485	ng	99
88) Benzo(b)fluoranthene	23.168	252	482367	3.536	ng	99
89) Benzo(k)fluoranthene	23.215	252	460882	3.556	ng	99
90) Benzo(a)pyrene	23.786	252	401274	3.368	ng	98
91) Dibenzo(a,h)anthracene	26.403	278	453538	3.511	ng	99
92) Benzo(g,h,i)perylene	27.127	276	438726	3.348	ng	99

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

