

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012323\
 Data File : BM038513.D
 Acq On : 23 Jan 2023 17:49
 Operator : CG/JU
 Sample : N4955-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/24/2023
 Supervised By : Jagrut Upadhyay 01/24/2023

Quant Time: Jan 24 05:14:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 01:21:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	55712	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	183253	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	115162	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	267778	20.000	ng	# 0.00
76) Chrysene-d12	21.515	240	293590	20.000	ng	0.00
86) Perylene-d12	23.933	264	374173	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	411607	122.135	ng	0.00
7) Phenol-d6	7.128	99	509934	118.594	ng	0.00
23) Nitrobenzene-d5	9.140	82	335415	79.483	ng	0.00
42) 2,4,6-Tribromophenol	16.086	330	230717	139.123	ng	0.00
45) 2-Fluorobiphenyl	13.228	172	764715	81.797	ng	0.00
79) Terphenyl-d14	19.957	244	1225740	81.392	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	6403	4.051	ng	93
3) Pyridine	3.816	79	11519m	2.775	ng	
4) n-Nitrosodimethylamine	3.711	42	7199m	3.653	ng	
6) Aniline	7.293	93	18162	3.403	ng	# 92
8) 2-Chlorophenol	7.522	128	12809	3.721	ng	96
9) Benzaldehyde	7.104	77	14317m	5.613	ng	
10) Phenol	7.152	94	17131	3.987	ng	90
11) bis(2-Chloroethyl)ether	7.387	93	12754	3.762	ng	97
12) 1,3-Dichlorobenzene	7.846	146	14910	3.809	ng	97
13) 1,4-Dichlorobenzene	7.999	146	16131	4.079	ng	98
14) 1,2-Dichlorobenzene	8.316	146	15203	3.969	ng	99
15) Benzyl Alcohol	8.216	79	11163	3.472	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.493	45	13069	3.671	ng	87
17) 2-Methylphenol	8.410	107	9925	3.264	ng	97
18) Hexachloroethane	9.040	117	5674	3.859	ng	# 81
19) n-Nitroso-di-n-propyla...	8.775	70	10371	3.374	ng	93
20) 3+4-Methylphenols	8.740	107	13308	3.265	ng	95
22) Acetophenone	8.798	105	19263	3.816	ng	# 98
24) Nitrobenzene	9.181	77	18202m	4.263	ng	
25) Isophorone	9.704	82	25306	3.634	ng	97
26) 2-Nitrophenol	9.898	139	5317	3.137	ng	93
27) 2,4-Dimethylphenol	9.951	122	9523	3.376	ng	94
28) bis(2-Chloroethoxy)met...	10.187	93	14804	3.634	ng	98
29) 2,4-Dichlorophenol	10.428	162	10762	3.252	ng	94
30) 1,2,4-Trichlorobenzene	10.640	180	14810	3.913	ng	92
31) Naphthalene	10.828	128	35533	3.569	ng	97
32) Benzoic acid	10.034	122	3626m	7.040	ng	
33) 4-Chloroaniline	10.951	127	13414	3.228	ng	# 89
34) Hexachlorobutadiene	11.098	225	10004	4.019	ng	95
35) Caprolactam	11.728	113	2202	2.745	ng	# 65
36) 4-Chloro-3-methylphenol	12.063	107	9866	3.279	ng	94
37) 2-Methylnaphthalene	12.434	142	24443	3.416	ng	95
38) 1-Methylnaphthalene	12.651	142	22723m	3.368	ng	
40) 1,2,4,5-Tetrachloroben...	12.798	216	17356	4.006	ng	97
41) Hexachlorocyclopentadiene	12.769	237	8849	3.717	ng	90
43) 2,4,6-Trichlorophenol	13.039	196	9101	3.282	ng	96

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44) 2,4,5-Trichlorophenol	13.116	196	10676	3.287	ng	98
46) 1,1'-Biphenyl	13.439	154	34285	3.717	ng	97
47) 2-Chloronaphthalene	13.480	162	27655	3.841	ng	97
48) 2-Nitroaniline	13.698	65	5900	2.790	ng	95
49) Acenaphthylene	14.322	152	37411	3.321	ng	99
50) Dimethylphthalate	14.057	163	32201	3.632	ng	99
51) 2,6-Dinitrotoluene	14.186	165	5672	3.040	ng	96
52) Acenaphthene	14.663	154	23655	3.443	ng	98
53) 3-Nitroaniline	14.522	138	4709	2.540	ng	94
54) 2,4-Dinitrophenol	14.733	184	2606	6.545	ng	91
55) Dibenzofuran	14.998	168	41238	3.590	ng	91
56) 4-Nitrophenol	14.827	139	3500	2.292	ng	90
57) 2,4-Dinitrotoluene	14.975	165	7289	2.882	ng	# 94
58) Fluorene	15.645	166	31239	3.354	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.227	232	8419	3.171	ng	# 95
60) Diethylphthalate	15.410	149	29294	3.374	ng	96
61) 4-Chlorophenyl-phenylether	15.633	204	17490	3.577	ng	96
62) 4-Nitroaniline	15.680	138	4890m	5.531	ng	
63) Azobenzene	15.927	77	29376	3.194	ng	97
65) 4,6-Dinitro-2-methylph...	15.733	198	4237	2.438	ng	91
66) n-Nitrosodiphenylamine	15.851	169	26161	3.254	ng	98
67) 4-Bromophenyl-phenylether	16.533	248	10814	3.641	ng	97
68) Hexachlorobenzene	16.645	284	13146	4.102	ng	96
69) Atrazine	16.804	200	9524	3.551	ng	89
70) Pentachlorophenol	16.992	266	6148	2.694	ng	92
71) Phenanthrene	17.386	178	52534	3.513	ng	99
72) Anthracene	17.474	178	49954	3.283	ng	97
73) Carbazole	17.751	167	43798	3.268	ng	98
74) Di-n-butylphthalate	18.298	149	43116	2.929	ng	# 97
75) Fluoranthene	19.398	202	61508	3.422	ng	96
77) Benzidine	19.586	184	23591	3.526	ng	97
78) Pyrene	19.757	202	66093	3.233	ng	99
80) Butylbenzylphthalate	20.645	149	19500	2.758	ng	94
81) Benzo(a)anthracene	21.504	228	75580	3.633	ng	97
82) 3,3'-Dichlorobenzidine	21.439	252	25860	3.870	ng	# 98
83) Chrysene	21.556	228	73771	3.626	ng	99
84) Bis(2-ethylhexyl)phtha...	21.415	149	28263	2.759	ng	# 95
85) Di-n-octyl phthalate	22.339	149	51955	2.852	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.444	276	96597	3.489	ng	96
88) Benzo(b)fluoranthene	23.192	252	81000	3.589	ng	98
89) Benzo(k)fluoranthene	23.239	252	83141	3.560	ng	97
90) Benzo(a)pyrene	23.821	252	73003	3.262	ng	96
91) Dibenzo(a,h)anthracene	26.456	278	83795	3.636	ng	98
92) Benzo(g,h,i)perylene	27.215	276	86243	3.653	ng	97

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

