

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110822\
 Data File : BM037424.D
 Acq On : 08 Nov 2022 12:17
 Operator : CG/JU
 Sample : N5451-01MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103MS

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/09/2022
 Supervised By : Jagrut Upadhyay 11/09/2022

Quant Time: Nov 08 14:54:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 14:43:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	376628	20.000	ng	0.00
21) Naphthalene-d8	10.628	136	1492102	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	807334	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1407398	20.000	ng	0.00
76) Chrysene-d12	21.380	240	1015907	20.000	ng	0.00
86) Perylene-d12	23.709	264	1036025	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	2516446	115.433	ng	0.00
7) Phenol-d6	7.010	99	3320106	112.213	ng	0.00
23) Nitrobenzene-d5	8.998	82	1832666	61.968	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1050699	110.435	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	3558241	58.561	ng	0.00
79) Terphenyl-d14	19.821	244	3559349	62.829	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.287	88	340439	38.137	ng	96
3) Pyridine	3.693	79	969561	36.456	ng	98
4) n-Nitrosodimethylamine	3.604	42	505214	43.462	ng	94
6) Aniline	7.163	93	1760878	48.682	ng	100
8) 2-Chlorophenol	7.392	128	1315790	49.591	ng	99
9) Benzaldehyde	6.975	77	747196	49.891	ng	99
10) Phenol	7.034	94	1630576	49.184	ng	99
11) bis(2-Chloroethyl)ether	7.263	93	1224699	46.075	ng	99
12) 1,3-Dichlorobenzene	7.710	146	1353581	46.686	ng	98
13) 1,4-Dichlorobenzene	7.863	146	1389439	46.458	ng	99
14) 1,2-Dichlorobenzene	8.175	146	1331988	46.373	ng	99
15) Benzyl Alcohol	8.081	79	1052521	49.757	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.363	45	1709289	45.107	ng	99
17) 2-Methylphenol	8.281	107	1026978	47.400	ng	98
18) Hexachloroethane	8.898	117	510544	48.406	ng	97
19) n-Nitroso-di-n-propyla...	8.645	70	931049	45.899	ng	98
20) 3+4-Methylphenols	8.616	107	1510910	50.770	ng	100
22) Acetophenone	8.663	105	1831954	47.237	ng	# 99
24) Nitrobenzene	9.039	77	1344938	44.856	ng	99
25) Isophorone	9.569	82	2395337	48.462	ng	99
26) 2-Nitrophenol	9.745	139	667975	49.764	ng	96
27) 2,4-Dimethylphenol	9.810	122	1127544	56.602	ng	98
28) bis(2-Chloroethoxy)met...	10.051	93	1548933	50.367	ng	100
29) 2,4-Dichlorophenol	10.281	162	1117728	48.879	ng	99
30) 1,2,4-Trichlorobenzene	10.486	180	1207013	46.546	ng	98
31) Naphthalene	10.675	128	3680019	43.532	ng	100
32) Benzoic acid	9.969	122	593776	34.968	ng	97
33) 4-Chloroaniline	10.798	127	1127969	33.497	ng	100
34) Hexachlorobutadiene	10.951	225	694312	47.949	ng	97
35) Caprolactam	11.627	113	296246	42.614	ng	100
36) 4-Chloro-3-methylphenol	11.927	107	1066505	45.258	ng	100
37) 2-Methylnaphthalene	12.286	142	2557196	44.647	ng	99
38) 1-Methylnaphthalene	12.510	142	2373465	42.410	ng	100
40) 1,2,4,5-Tetrachloroben...	12.657	216	1270202	52.327	ng	99
41) Hexachlorocyclopentadiene	12.627	237	1544786	133.570	ng	99
43) 2,4,6-Trichlorophenol	12.898	196	838882	50.201	ng	99

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44) 2,4,5-Trichlorophenol	12.974	196	877581	47.608	ng	99
46) 1,1'-Biphenyl	13.298	154	3196355	49.061	ng	100
47) 2-Chloronaphthalene	13.345	162	2429433	46.859	ng	99
48) 2-Nitroaniline	13.563	65	690228	46.069	ng	98
49) Acenaphthylene	14.186	152	3679782	45.722	ng	100
50) Dimethylphthalate	13.939	163	2777603	45.043	ng	99
51) 2,6-Dinitrotoluene	14.057	165	608256	46.578	ng	98
52) Acenaphthene	14.527	154	2212499	44.467	ng	99
53) 3-Nitroaniline	14.386	138	489919	33.581	ng	100
54) 2,4-Dinitrophenol	14.598	184	515062	61.520	ng	95
55) Dibenzofuran	14.863	168	3395534	44.308	ng	99
56) 4-Nitrophenol	14.704	139	990082	85.070	ng	96
57) 2,4-Dinitrotoluene	14.845	165	792902	46.143	ng	99
58) Fluorene	15.510	166	2835518	44.327	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.092	232	689339	44.616	ng	97
60) Diethylphthalate	15.292	149	2707202	45.169	ng	100
61) 4-Chlorophenyl-phenyle...	15.504	204	1421415	48.030	ng	99
62) 4-Nitroaniline	15.551	138	580273m	39.659	ng	
63) Azobenzene	15.798	77	2618763	44.353	ng	98
65) 4,6-Dinitro-2-methylph...	15.604	198	342483	36.252	ng	98
66) n-Nitrosodiphenylamine	15.727	169	2287569	48.087	ng	100
67) 4-Bromophenyl-phenylether	16.398	248	807066	51.101	ng	99
68) Hexachlorobenzene	16.504	284	941675	49.268	ng	99
69) Atrazine	16.680	200	695073	58.070	ng	99
70) Pentachlorophenol	16.857	266	1039721	93.485	ng	98
71) Phenanthrene	17.251	178	3840220	43.980	ng	100
72) Anthracene	17.339	178	3880572	46.945	ng	100
73) Carbazole	17.615	167	3360279	44.316	ng	99
74) Di-n-butylphthalate	18.174	149	4466130	53.342	ng	100
75) Fluoranthene	19.262	202	3934826	42.631	ng	98
77) Benzidine	19.456	184	1486715	98.142	ng	99
78) Pyrene	19.621	202	3869276	49.530	ng	100
80) Butylbenzylphthalate	20.521	149	1686701	60.458	ng	98
81) Benzo(a)anthracene	21.362	228	3242219	44.828	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1114995	52.489	ng	98
83) Chrysene	21.415	228	3064392	43.977	ng	100
84) Bis(2-ethylhexyl)phtha...	21.292	149	2878050	76.863	ng	99
85) Di-n-octyl phthalate	22.192	149	3489218	59.168	ng	100
87) Indeno(1,2,3-cd)pyrene	26.127	276	4280127	50.457	ng	98
88) Benzo(b)fluoranthene	23.003	252	3441930	47.854	ng	99
89) Benzo(k)fluoranthene	23.050	252	3217502	43.855	ng	99
90) Benzo(a)pyrene	23.609	252	2940141	50.170	ng	99
91) Dibenzo(a,h)anthracene	26.144	278	3641071	51.688	ng	98
92) Benzo(g,h,i)perylene	26.874	276	3527073	51.445	ng	98

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

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