

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031722\
 Data File : BG052687.D
 Acq On : 17 Mar 2022 11:32
 Operator : CG/JU
 Sample : N1645-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 17 12:13:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 17 12:13:08 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/18/2022
 Supervised By : Jagrut Upadhyay 03/18/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	42127	20.000	ng	0.00
21) Naphthalene-d8	10.966	136	183674	20.000	ng	0.00
39) Acenaphthene-d10	14.773	164	132699	20.000	ng	0.00
64) Phenanthrene-d10	17.516	188	308903	20.000	ng	0.00
76) Chrysene-d12	21.804	240	335152	20.000	ng	0.00
86) Perylene-d12	25.123	264	343837	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.708	112	340157	140.619	ng	0.00
7) Phenol-d6	7.300	99	507036	139.033	ng	0.00
23) Nitrobenzene-d5	9.315	82	287579	78.583	ng	0.00
42) 2,4,6-Tribromophenol	16.253	330	220938	123.905	ng	0.00
45) 2-Fluorobiphenyl	13.404	172	658951	73.237	ng	0.00
79) Terphenyl-d14	20.118	244	1315411	69.817	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.600	88	8594	7.102	ng	90
3) Pyridine	4.005	79	22745	7.333	ng	# 86
4) n-Nitrosodimethylamine	3.911	42	10679m	7.761	ng	
6) Aniline	7.471	93	34099	7.974	ng	95
8) 2-Chlorophenol	7.712	128	18312	7.204	ng	90
9) Benzaldehyde	7.289	77	21334	9.524	ng	98
10) Phenol	7.324	94	24850	6.903	ng	# 73
11) bis(2-Chloroethyl)ether	7.565	93	20402	7.505	ng	90
12) 1,3-Dichlorobenzene	8.041	146	22347m	7.302	ng	
13) 1,4-Dichlorobenzene	8.187	146	23270m	7.568	ng	
14) 1,2-Dichlorobenzene	8.511	146	19848	6.825	ng	88
15) Benzyl Alcohol	8.381	79	21605	7.036	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.687	45	35164	7.427	ng	97
17) 2-Methylphenol	8.581	107	17252	7.189	ng	94
18) Hexachloroethane	9.245	117	8658	7.675	ng	86
19) n-Nitroso-di-n-propyla...	8.957	70	18422	7.132	ng	# 87
20) 3+4-Methylphenols	8.910	107	23707	7.059	ng	87
22) Acetophenone	8.975	105	35784	7.528	ng	# 94
24) Nitrobenzene	9.351	77	27985	7.643	ng	# 89
25) Isophorone	9.885	82	51862	7.319	ng	98
26) 2-Nitrophenol	10.073	139	8432	6.631	ng	94
27) 2,4-Dimethylphenol	10.120	122	21069	8.099	ng	96
28) bis(2-Chloroethoxy)met...	10.355	93	28973	6.915	ng	# 93
29) 2,4-Dichlorophenol	10.602	162	18911	6.460	ng	92
30) 1,2,4-Trichlorobenzene	10.831	180	23520	6.811	ng	# 89
31) Naphthalene	11.019	128	69540	7.321	ng	97
32) Benzoic acid	10.185	122	9762m	5.583	ng	
33) 4-Chloroaniline	11.113	127	29492	7.326	ng	# 87
34) Hexachlorobutadiene	11.313	225	16573	6.694	ng	95
35) Caprolactam	11.865	113	5151	6.444	ng	# 88
36) 4-Chloro-3-methylphenol	12.217	107	21695	6.382	ng	96
37) 2-Methylnaphthalene	12.611	142	50705	7.290	ng	99
38) 1-Methylnaphthalene	12.828	142	47999	7.071	ng	100
40) 1,2,4,5-Tetrachloroben...	12.975	216	29642	7.150	ng	99
41) Hexachlorocyclopentadiene	12.963	237	19448	7.914	ng	96
43) 2,4,6-Trichlorophenol	13.210	196	16791	6.324	ng	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.275	196	18525	6.874	ng	# 91
46) 1,1'-Biphenyl	13.610	154	67792	7.305	ng	95
47) 2-Chloronaphthalene	13.651	162	53636	7.339	ng	97
48) 2-Nitroaniline	13.839	65	13102	6.555	ng	96
49) Acenaphthylene	14.497	152	88632	7.608	ng	98
50) Dimethylphthalate	14.215	163	66358	6.728	ng	97
51) 2,6-Dinitrotoluene	14.326	165	12231	7.345	ng	93
52) Acenaphthene	14.837	154	51171	6.856	ng	97
53) 3-Nitroaniline	14.655	138	12502	6.416	ng	# 94
54) 2,4-Dinitrophenol	14.861	184	5485	6.043	ng	# 66
55) Dibenzofuran	15.166	168	83587	6.858	ng	99
56) 4-Nitrophenol	14.949	139	10516	6.616	ng	98
57) 2,4-Dinitrotoluene	15.113	165	14835	6.421	ng	# 83
58) Fluorene	15.818	166	69989	7.045	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.389	232	17364	6.028	ng	96
60) Diethylphthalate	15.577	149	67952	6.527	ng	98
61) 4-Chlorophenyl-phenyle...	15.807	204	36690	6.696	ng	97
62) 4-Nitroaniline	15.812	138	14031	6.815	ng	89
63) Azobenzene	16.100	77	74513	6.697	ng	96
65) 4,6-Dinitro-2-methylph...	15.871	198	8108	5.888	ng	96
66) n-Nitrosodiphenylamine	16.018	169	61110	7.027	ng	96
67) 4-Bromophenyl-phenylether	16.699	248	23200	6.230	ng	96
68) Hexachlorobenzene	16.823	284	27705	6.921	ng	94
69) Atrazine	16.958	200	23229	7.244	ng	96
70) Pentachlorophenol	17.158	266	14595	5.877	ng	86
71) Phenanthrene	17.557	178	116975	7.078	ng	96
72) Anthracene	17.645	178	120023	7.347	ng	98
73) Carbazole	17.910	167	108118	6.682	ng	99
74) Di-n-butylphthalate	18.474	149	122508	6.931	ng	99
75) Fluoranthene	19.560	202	150979	7.197	ng	99
77) Benzidine	19.731	184	67099	7.762	ng	98
78) Pyrene	19.925	202	157328	6.767	ng	96
80) Butylbenzylphthalate	20.806	149	48972	5.938	ng	96
81) Benzo(a)anthracene	21.781	228	157155	7.003	ng	98
82) 3,3'-Dichlorobenzidine	21.687	252	52628	6.641	ng	100
83) Chrysene	21.851	228	142793	6.768	ng	99
84) Bis(2-ethylhexyl)phtha...	21.693	149	71514	6.376	ng	95
85) Di-n-octyl phthalate	22.944	149	114387	6.127	ng	97
87) Indeno(1,2,3-cd)pyrene	28.906	276	160554	6.822	ng	# 72
88) Benzo(b)fluoranthene	24.066	252	153981	7.213	ng	96
89) Benzo(k)fluoranthene	24.136	252	149921	7.138	ng	99
90) Benzo(a)pyrene	24.959	252	145351	8.043	ng	# 95
91) Dibenzo(a,h)anthracene	28.983	278	142438	7.345	ng	94
92) Benzo(g,h,i)perylene	30.087	276	139150	7.252	ng	# 93

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

