

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072221\
 Data File : BG049407.D
 Acq On : 22 Jul 2021 11:45
 Operator : CG/JU
 Sample : M2940-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
 APPROVED

mohammad
 7/23/2021 11:50:29 AM

Quant Time: Jul 22 12:19:54 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 10:56:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.060	152	22785	20.00	ng	0.01
21) Naphthalene-d8	10.880	136	91416	20.00	ng	# 0.00
39) Acenaphthene-d10	14.704	164	62317	20.00	ng	0.00
64) Phenanthrene-d10	17.454	188	131583	20.00	ng	# 0.00
76) Chrysene-d12	21.730	240	144213	20.00	ng	0.00
86) Perylene-d12	25.014	264	152167	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.605	112	170191	126.73	ng	0.00
7) Phenol-d6	7.215	99	246695	126.13	ng	0.00
23) Nitrobenzene-d5	9.229	82	171591	84.10	ng	0.00
42) 2,4,6-Tribromophenol	16.196	330	106745	127.91	ng	0.00
45) 2-Fluorobiphenyl	13.330	172	356040	82.21	ng	0.00
79) Terphenyl-d14	20.062	244	605440	81.99	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.473	88	5453	8.96	ng	94
3) Pyridine	3.896	79	11565m	7.46	ng	
4) n-Nitrosodimethylamine	3.807	42	5398	7.09	ng	# 68
6) Aniline	7.379	93	18795	8.89	ng	# 88
8) 2-Chlorophenol	7.620	128	10980	7.97	ng	81
9) Benzaldehyde	7.191	77	13032	10.03	ng	# 83
10) Phenol	7.238	94	15365	8.25	ng	95
11) bis(2-Chloroethyl)ether	7.467	93	10497	8.22	ng	99
12) 1,3-Dichlorobenzene	7.949	146	12470	7.66	ng	91
13) 1,4-Dichlorobenzene	8.090	146	13582m	8.38	ng	
14) 1,2-Dichlorobenzene	8.413	146	12246	7.82	ng	91
15) Benzyl Alcohol	8.295	79	11532	7.21	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.589	45	12641	8.48	ng	97
17) 2-Methylphenol	8.501	107	10181	8.21	ng	92
18) Hexachloroethane	9.153	117	5123	8.13	ng	# 79
19) n-Nitroso-di-n-propyla...	8.865	70	9875	7.68	ng	# 82
20) 3+4-Methylphenols	8.830	107	13930	8.19	ng	90
22) Acetophenone	8.883	105	20480	8.37	ng	# 88
24) Nitrobenzene	9.271	77	17048	7.96	ng	# 97
25) Isophorone	9.788	82	26415	7.31	ng	# 93
26) 2-Nitrophenol	9.987	139	5163	6.64	ng	# 85
27) 2,4-Dimethylphenol	10.040	122	10324	8.30	ng	87
28) bis(2-Chloroethoxy)met...	10.275	93	13821	8.57	ng	# 94
29) 2,4-Dichlorophenol	10.522	162	10125	7.02	ng	97
30) 1,2,4-Trichlorobenzene	10.739	180	12588	7.73	ng	96
31) Naphthalene	10.927	128	37120	7.70	ng	97
32) Benzoic acid	10.140	122	2686m	3.29	ng	
33) 4-Chloroaniline	11.039	127	14011	7.62	ng	# 95
34) Hexachlorobutadiene	11.221	225	8319	7.13	ng	97
35) Caprolactam	11.797	113	3181	7.10	ng	# 79
36) 4-Chloro-3-methylphenol	12.161	107	12930	7.60	ng	86
37) 2-Methylnaphthalene	12.531	142	28199	8.01	ng	96
38) 1-Methylnaphthalene	12.754	142	24843	7.38	ng	100
40) 1,2,4,5-Tetrachloroben...	12.895	216	14032	7.61	ng	96
41) Hexachlorocyclopentadiene	12.877	237	6695	8.14	ng	91
43) 2,4,6-Trichlorophenol	13.136	196	8349	6.95	ng	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.218	196	9584	7.37	ng	# 84
46) 1,1'-Biphenyl	13.535	154	35928	7.86	ng	99
47) 2-Chloronaphthalene	13.582	162	26412	7.53	ng	99
48) 2-Nitroaniline	13.776	65	9890	8.10	ng	# 82
49) Acenaphthylene	14.428	152	43448	7.64	ng	97
50) Dimethylphthalate	14.152	163	35345	7.81	ng	97
51) 2,6-Dinitrotoluene	14.276	165	7205	7.33	ng	92
52) Acenaphthene	14.769	154	25582	7.45	ng	99
53) 3-Nitroaniline	14.605	138	7532	7.64	ng	93
54) 2,4-Dinitrophenol	14.816	184	2495	6.03	ng	# 74
55) Dibenzofuran	15.104	168	41731	7.57	ng	# 96
56) 4-Nitrophenol	14.916	139	4476	5.76	ng	# 88
57) 2,4-Dinitrotoluene	15.063	165	9966	7.34	ng	93
58) Fluorene	15.756	166	33268	7.45	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.333	232	8289	6.97	ng	# 96
60) Diethylphthalate	15.515	149	35631	7.84	ng	# 91
61) 4-Chlorophenyl-phenyle...	15.744	204	17383	7.65	ng	# 88
62) 4-Nitroaniline	15.768	138	7665	7.39	ng	# 79
63) Azobenzene	16.038	77	39215	7.79	ng	86
65) 4,6-Dinitro-2-methylph...	15.826	198	3757	5.27	ng	86
66) n-Nitrosodiphenylamine	15.956	169	27826	7.36	ng	98
67) 4-Bromophenyl-phenylether	16.637	248	11575	7.77	ng	96
68) Hexachlorobenzene	16.760	284	12967	7.68	ng	96
69) Atrazine	16.901	200	12578	8.40	ng	89
70) Pentachlorophenol	17.107	266	3717	4.90	ng	97
71) Phenanthrene	17.495	178	54515	7.71	ng	95
72) Anthracene	17.589	178	56715	8.16	ng	96
73) Carbazole	17.859	167	49753	7.52	ng	96
74) Di-n-butylphthalate	18.411	149	59116	7.84	ng	99
75) Fluoranthene	19.504	202	67145	7.62	ng	97
77) Benzidine	19.686	184	35809	8.97	ng	99
78) Pyrene	19.868	202	70625	7.46	ng	96
80) Butylbenzylphthalate	20.743	149	26019	7.56	ng	97
81) Benzo(a)anthracene	21.713	228	69307	7.59	ng	99
82) 3,3'-Dichlorobenzidine	21.624	252	26705	10.13	ng	# 99
83) Chrysene	21.777	228	63878	7.25	ng	98
84) Bis(2-ethylhexyl)phtha...	21.613	149	39023	7.56	ng	97
85) Di-n-octyl phthalate	22.840	149	66220	7.43	ng	100
87) Indeno(1,2,3-cd)pyrene	28.750	276	82422	7.65	ng	# 59
88) Benzo(b)fluoranthene	23.968	252	70989m	7.24	ng	
89) Benzo(k)fluoranthene	24.033	252	72178	7.91	ng	97
90) Benzo(a)pyrene	24.855	252	71211	8.01	ng	99
91) Dibenzo(a,h)anthracene	28.821	278	70072	7.75	ng	98
92) Benzo(g,h,i)perylene	29.925	276	69346	7.75	ng	98

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

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