

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071922\
 Data File : BG054317.D
 Acq On : 19 Jul 2022 14:06
 Operator : CG/JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jul 19 14:41:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 14:41:07 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 07/20/2022
 Supervised By : Jagrut Upadhyay 07/20/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.994	152	17595	20.000	ng	# 0.00
21) Naphthalene-d8	10.802	136	62224	20.000	ng	# 0.00
39) Acenaphthene-d10	14.627	164	49684	20.000	ng	0.00
64) Phenanthrene-d10	17.377	188	136826	20.000	ng	# 0.00
76) Chrysene-d12	21.642	240	178657	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	191174	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.555	112	95907	113.807	ng	-0.01
7) Phenol-d6	7.159	99	131515	113.892	ng	-0.01
23) Nitrobenzene-d5	9.157	82	98990	86.634	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	126677	121.434	ng	0.00
45) 2-Fluorobiphenyl	13.252	172	310136	88.058	ng	0.00
79) Terphenyl-d14	19.985	244	739103	82.070	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.422	88	2637m	7.865	ng	Qvalue
3) Pyridine	3.840	79	5526	6.497	ng	96
4) n-Nitrosodimethylamine	3.746	42	3184	6.695	ng	# 69
6) Aniline	7.312	93	10671	8.006	ng	93
8) 2-Chlorophenol	7.565	128	7272	7.509	ng	92
9) Benzaldehyde	7.130	77	6481	9.991	ng	88
10) Phenol	7.189	94	8220	7.165	ng	82
11) bis(2-Chloroethyl)ether	7.406	93	5910	7.065	ng	87
12) 1,3-Dichlorobenzene	7.882	146	8846	7.497	ng	95
13) 1,4-Dichlorobenzene	8.029	146	8796	7.218	ng	98
14) 1,2-Dichlorobenzene	8.346	146	8891	7.737	ng	89
15) Benzyl Alcohol	8.235	79	6092	6.414	ng	88
16) 2,2'-oxybis(1-Chloropr...	8.528	45	7036	6.679	ng	77
17) 2-Methylphenol	8.446	107	5736	6.937	ng	94
18) Hexachloroethane	9.081	117	3013	7.468	ng	# 67
19) n-Nitroso-di-n-propyla...	8.799	70	5044	6.541	ng	# 85
20) 3+4-Methylphenols	8.769	107	7871	6.755	ng	95
22) Acetophenone	8.816	105	11548	7.716	ng	# 96
24) Nitrobenzene	9.198	77	8713	7.803	ng	92
25) Isophorone	9.721	82	15051	7.574	ng	# 90
26) 2-Nitrophenol	9.915	139	4202	7.465	ng	# 85
27) 2,4-Dimethylphenol	9.974	122	6379	8.204	ng	90
28) bis(2-Chloroethoxy)met...	10.203	93	8266	8.247	ng	95
29) 2,4-Dichlorophenol	10.461	162	8525	7.264	ng	87
30) 1,2,4-Trichlorobenzene	10.667	180	11228	7.724	ng	# 96
31) Naphthalene	10.849	128	22959	7.350	ng	97
32) Benzoic acid	10.162	122	2319m	9.350	ng	
33) 4-Chloroaniline	10.961	127	9402	7.402	ng	# 88
34) Hexachlorobutadiene	11.143	225	10127	7.883	ng	95
35) Caprolactam	11.707	113	1833	6.203	ng	# 75
36) 4-Chloro-3-methylphenol	12.089	107	7751	7.259	ng	# 96
37) 2-Methylnaphthalene	12.459	142	17706	7.382	ng	94
38) 1-Methylnaphthalene	12.676	142	17089	7.311	ng	94
40) 1,2,4,5-Tetrachloroben...	12.829	216	17395	7.991	ng	# 94
41) Hexachlorocyclopentadiene	12.811	237	1898	3.717	ng	87
43) 2,4,6-Trichlorophenol	13.070	196	8616	7.270	ng	97

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44) 2,4,5-Trichlorophenol	13.152	196	9099	6.795	ng	# 90
46) 1,1'-Biphenyl	13.464	154	27266	8.022	ng	95
47) 2-Chloronaphthalene	13.505	162	21944	7.714	ng	98
48) 2-Nitroaniline	13.705	65	5221	7.033	ng	89
49) Acenaphthylene	14.351	152	33122	7.836	ng	97
50) Dimethylphthalate	14.075	163	29202	7.525	ng	# 99
51) 2,6-Dinitrotoluene	14.198	165	6144	7.218	ng	# 71
52) Acenaphthene	14.692	154	19253	7.522	ng	96
53) 3-Nitroaniline	14.533	138	4927	6.921	ng	92
54) 2,4-Dinitrophenol	14.750	184	1245	3.010	ng	# 68
55) Dibenzofuran	15.027	168	34922	7.668	ng	94
56) 4-Nitrophenol	14.856	139	2579	5.430	ng	# 87
57) 2,4-Dinitrotoluene	14.991	165	9091	7.450	ng	# 83
58) Fluorene	15.679	166	28597	7.637	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.262	232	8934	6.852	ng	# 82
60) Diethylphthalate	15.438	149	28225	7.581	ng	97
61) 4-Chlorophenyl-phenyle...	15.667	204	19157	7.794	ng	# 85
62) 4-Nitroaniline	15.690	138	5349	7.152	ng	91
63) Azobenzene	15.961	77	20316	7.552	ng	# 75
65) 4,6-Dinitro-2-methylph...	15.761	198	4392	5.196	ng	# 76
66) n-Nitrosodiphenylamine	15.878	169	25838	7.564	ng	93
67) 4-Bromophenyl-phenylether	16.560	248	14350	7.468	ng	92
68) Hexachlorobenzene	16.689	284	17082	7.773	ng	# 90
69) Atrazine	16.824	200	12558	8.261	ng	96
70) Pentachlorophenol	17.042	266	3341	3.885	ng	96
71) Phenanthrene	17.418	178	50755	7.449	ng	99
72) Anthracene	17.506	178	51548	7.709	ng	97
73) Carbazole	17.776	167	42923	7.797	ng	98
74) Di-n-butylphthalate	18.334	149	46767	7.199	ng	96
75) Fluoranthene	19.427	202	70433	7.583	ng	97
77) Benzidine	19.604	184	33473	10.345	ng	97
78) Pyrene	19.792	202	73778	7.197	ng	99
80) Butylbenzylphthalate	20.673	149	20751	6.496	ng	# 81
81) Benzo(a)anthracene	21.619	228	84449	7.446	ng	98
82) 3,3'-Dichlorobenzidine	21.531	252	32121	9.107	ng	# 98
83) Chrysene	21.683	228	76467	7.137	ng	98
84) Bis(2-ethylhexyl)phtha...	21.525	149	30971	6.851	ng	# 93
85) Di-n-octyl phthalate	22.723	149	53827	6.980	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.499	276	103742	7.133	ng	# 96
88) Benzo(b)fluoranthene	23.822	252	88256	7.806	ng	# 96
89) Benzo(k)fluoranthene	23.893	252	84895	7.545	ng	# 96
90) Benzo(a)pyrene	24.692	252	84101	8.710	ng	# 95
91) Dibenzo(a,h)anthracene	28.558	278	88563	7.406	ng	# 96
92) Benzo(g,h,i)perylene	29.633	276	88333	7.484	ng	# 95

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

