

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021622\
 Data File : BG052410.D
 Acq On : 16 Feb 2022 15:48
 Operator : CG/JU
 Sample : M4068-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/17/2022
 Supervised By : Jagrut Upadhyay 02/17/2022

Quant Time: Feb 16 17:32:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 12:53:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.225	152	26569	20.000	ng	0.00
21) Naphthalene-d8	11.062	136	111861	20.000	ng	# 0.00
39) Acenaphthene-d10	14.869	164	83636	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	212036	20.000	ng	0.00
76) Chrysene-d12	21.930	240	223135	20.000	ng	# 0.00
86) Perylene-d12	25.390	264	224109	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.752	112	160860	105.520	ng	0.00
7) Phenol-d6	7.367	99	237490	100.968	ng	0.00
23) Nitrobenzene-d5	9.400	82	178306	69.277	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	131432	109.384	ng	0.00
45) 2-Fluorobiphenyl	13.489	172	425745	70.733	ng	0.00
79) Terphenyl-d14	20.209	244	884626	70.008	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.579	88	5945	8.469	ng	# 87
3) Pyridine	4.001	79	20515	10.077	ng	98
4) n-Nitrosodimethylamine	3.902	42	10916	10.384	ng	# 83
6) Aniline	7.538	93	33573	12.286	ng	94
8) 2-Chlorophenol	7.790	128	19583	11.677	ng	86
9) Benzaldehyde	7.344	77	16603	11.499	ng	96
10) Phenol	7.397	94	26052	11.147	ng	98
11) bis(2-Chloroethyl)ether	7.626	93	19191	10.743	ng	94
12) 1,3-Dichlorobenzene	8.114	146	21462	11.232	ng	93
13) 1,4-Dichlorobenzene	8.260	146	21940	11.264	ng	99
14) 1,2-Dichlorobenzene	8.589	146	21653	11.271	ng	96
15) Benzyl Alcohol	8.460	79	20818	10.664	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.748	45	28098	10.893	ng	99
17) 2-Methylphenol	8.666	107	18222	11.816	ng	90
18) Hexachloroethane	9.330	117	7660	11.310	ng	99
19) n-Nitroso-di-n-propyla...	9.024	70	20391	11.499	ng	95
20) 3+4-Methylphenols	8.995	107	24729	11.208	ng	86
22) Acetophenone	9.053	105	26195	8.860	ng	# 91
24) Nitrobenzene	9.441	77	30092	12.325	ng	99
25) Isophorone	9.964	82	54366	12.414	ng	98
26) 2-Nitrophenol	10.164	139	12109	11.701	ng	# 87
27) 2,4-Dimethylphenol	10.211	122	20684	13.500	ng	89
28) bis(2-Chloroethoxy)met...	10.446	93	29836	12.005	ng	99
29) 2,4-Dichlorophenol	10.704	162	20576	11.204	ng	91
30) 1,2,4-Trichlorobenzene	10.922	180	25712	11.990	ng	99
31) Naphthalene	11.115	128	70071	11.949	ng	# 90
32) Benzoic acid	10.334	122	7838m	8.710	ng	
33) 4-Chloroaniline	11.215	127	29300	11.967	ng	94
34) Hexachlorobutadiene	11.403	225	16458	11.364	ng	93
35) Caprolactam	11.961	113	5658	8.454	ng	# 67
36) 4-Chloro-3-methylphenol	12.325	107	24012	11.493	ng	94
37) 2-Methylnaphthalene	12.707	142	53188	12.211	ng	98
38) 1-Methylnaphthalene	12.925	142	51082	12.103	ng	# 97
40) 1,2,4,5-Tetrachloroben...	13.077	216	23798	8.651	ng	98
41) Hexachlorocyclopentadiene	13.054	237	14481	12.468	ng	98
43) 2,4,6-Trichlorophenol	13.307	196	19192	10.667	ng	97

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44) 2,4,5-Trichlorophenol	13.389	196	21498	11.026	ng	95
46) 1,1'-Biphenyl	13.700	154	56262	9.174	ng	98
47) 2-Chloronaphthalene	13.747	162	57401	12.148	ng	95
48) 2-Nitroaniline	13.941	65	18663	11.095	ng	92
49) Acenaphthylene	14.593	152	100171	13.024	ng	98
50) Dimethylphthalate	14.305	163	76720	11.974	ng	99
51) 2,6-Dinitrotoluene	14.429	165	17488	12.649	ng	# 85
52) Acenaphthene	14.934	154	56440	11.205	ng	99
53) 3-Nitroaniline	14.757	138	17567	12.224	ng	96
54) 2,4-Dinitrophenol	14.981	184	5342m	7.126	ng	
55) Dibenzofuran	15.263	168	96021	12.121	ng	99
56) 4-Nitrophenol	15.075	139	11662m	10.806	ng	
57) 2,4-Dinitrotoluene	15.216	165	23989	12.191	ng	# 94
58) Fluorene	15.915	166	79518	12.574	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.492	232	19196	10.306	ng	# 97
60) Diethylphthalate	15.662	149	80030	12.365	ng	97
61) 4-Chlorophenyl-phenyle...	15.897	204	42683	11.849	ng	93
62) 4-Nitroaniline	15.921	138	19251	12.725	ng	88
63) Azobenzene	16.191	77	79330	11.973	ng	93
65) 4,6-Dinitro-2-methylph...	15.985	198	11927	9.351	ng	82
66) n-Nitrosodiphenylamine	16.109	169	70991	12.152	ng	96
67) 4-Bromophenyl-phenylether	16.790	248	30100	11.673	ng	93
68) Hexachlorobenzene	16.925	284	33422	11.950	ng	98
69) Atrazine	17.049	200	20425	8.648	ng	94
70) Pentachlorophenol	17.272	266	15857m	11.589	ng	
71) Phenanthrene	17.659	178	134144	12.272	ng	97
72) Anthracene	17.748	178	135366	12.638	ng	99
73) Carbazole	18.018	167	126734	12.131	ng	98
74) Di-n-butylphthalate	18.552	149	145572	12.789	ng	99
75) Fluoranthene	19.663	202	179722	12.913	ng	99
77) Benzidine	19.827	184	60259	12.638	ng	97
78) Pyrene	20.021	202	185596	12.430	ng	97
80) Butylbenzylphthalate	20.890	149	59539	11.480	ng	98
81) Benzo(a)anthracene	21.907	228	179183	12.135	ng	99
82) 3,3'-Dichlorobenzidine	21.807	252	46667	9.053	ng	99
83) Chrysene	21.977	228	162611	11.622	ng	98
84) Bis(2-ethylhexyl)phtha...	21.783	149	83396	11.596	ng	97
85) Di-n-octyl phthalate	23.076	149	144132	11.954	ng	95
87) Indeno(1,2,3-cd)pyrene	29.379	276	186258	11.357	ng	# 98
88) Benzo(b)fluoranthene	24.280	252	174193	12.473	ng	98
89) Benzo(k)fluoranthene	24.350	252	173916	12.606	ng	99
90) Benzo(a)pyrene	25.226	252	167160	14.170	ng	97
91) Dibenzo(a,h)anthracene	29.449	278	165349	12.205	ng	# 97
92) Benzo(g,h,i)perylene	30.630	276	161773	12.167	ng	98

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

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