

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021122\
 Data File : BG052371.D
 Acq On : 11 Feb 2022 15:39
 Operator : CG/JU
 Sample : M4068-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022

Quant Time: Feb 11 16:14:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 11 13:59:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.235	152	23117	20.000	ng	0.01
21) Naphthalene-d8	11.067	136	92838	20.000	ng	# 0.00
39) Acenaphthene-d10	14.873	164	70255	20.000	ng	0.00
64) Phenanthrene-d10	17.622	188	179050	20.000	ng	0.00
76) Chrysene-d12	21.940	240	188994	20.000	ng	# 0.00
86) Perylene-d12	25.412	264	191554	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	126963	95.721	ng	0.01
7) Phenol-d6	7.377	99	184332	90.070	ng	0.00
23) Nitrobenzene-d5	9.404	82	138250	64.720	ng	0.00
42) 2,4,6-Tribromophenol	16.359	330	103018	102.066	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	332538	65.771	ng	0.00
79) Terphenyl-d14	20.219	244	695048	64.942	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.588	88	4840	7.925	ng	97
3) Pyridine	4.006	79	13540	7.644	ng	92
4) n-Nitrosodimethylamine	3.906	42	8277	9.050	ng	# 82
6) Aniline	7.542	93	22435	9.436	ng	92
8) 2-Chlorophenol	7.795	128	12595	8.632	ng	98
9) Benzaldehyde	7.354	77	14686	11.690	ng	88
10) Phenol	7.407	94	17256	8.486	ng	91
11) bis(2-Chloroethyl)ether	7.636	93	13083	8.417	ng	92
12) 1,3-Dichlorobenzene	8.123	146	14911	8.969	ng	94
13) 1,4-Dichlorobenzene	8.270	146	14633	8.634	ng	95
14) 1,2-Dichlorobenzene	8.593	146	14474	8.660	ng	94
15) Benzyl Alcohol	8.464	79	14539	8.560	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.764	45	18884	8.414	ng	98
17) 2-Methylphenol	8.676	107	11683	8.707	ng	# 87
18) Hexachloroethane	9.334	117	5455	9.257	ng	89
19) n-Nitroso-di-n-propyla...	9.028	70	12856	8.333	ng	# 87
20) 3+4-Methylphenols	8.999	107	14996	7.812	ng	88
22) Acetophenone	9.058	105	23265	9.482	ng	# 91
24) Nitrobenzene	9.445	77	19065	9.409	ng	# 89
25) Isophorone	9.968	82	34557	9.508	ng	# 95
26) 2-Nitrophenol	10.174	139	7888	9.184	ng	# 81
27) 2,4-Dimethylphenol	10.221	122	13688	10.764	ng	96
28) bis(2-Chloroethoxy)met...	10.450	93	19024	9.223	ng	96
29) 2,4-Dichlorophenol	10.714	162	12493	8.197	ng	92
30) 1,2,4-Trichlorobenzene	10.926	180	15887	8.926	ng	97
31) Naphthalene	11.119	128	45504	9.350	ng	95
32) Benzoic acid	10.309	122	5042m	6.751	ng	
33) 4-Chloroaniline	11.225	127	19290	9.493	ng	96
34) Hexachlorobutadiene	11.407	225	10485	8.723	ng	92
35) Caprolactam	11.965	113	4873	8.773	ng	95
36) 4-Chloro-3-methylphenol	12.335	107	15676	9.040	ng	94
37) 2-Methylnaphthalene	12.717	142	33140	9.168	ng	98
38) 1-Methylnaphthalene	12.935	142	33005	9.422	ng	# 99
40) 1,2,4,5-Tetrachloroben...	13.081	216	21315	9.224	ng	95
41) Hexachlorocyclopentadiene	13.064	237	9405	9.640	ng	91
43) 2,4,6-Trichlorophenol	13.316	196	12040m	7.967	ng	

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44) 2,4,5-Trichlorophenol	13.393	196	13464	8.221	ng	88
46) 1,1'-Biphenyl	13.710	154	48736	9.460	ng	97
47) 2-Chloronaphthalene	13.757	162	37085	9.344	ng	98
48) 2-Nitroaniline	13.951	65	12605	8.920	ng	92
49) Acenaphthylene	14.603	152	63360	9.807	ng	95
50) Dimethylphthalate	14.309	163	48854	9.077	ng	96
51) 2,6-Dinitrotoluene	14.438	165	10611	9.137	ng	# 81
52) Acenaphthene	14.938	154	38832m	9.177	ng	
53) 3-Nitroaniline	14.767	138	11217	9.292	ng	# 89
54) 2,4-Dinitrophenol	14.979	184	5831	9.260	ng	87
55) Dibenzofuran	15.273	168	60348	9.069	ng	96
56) 4-Nitrophenol	15.085	139	7309	8.062	ng	# 76
57) 2,4-Dinitrotoluene	15.220	165	15876	9.604	ng	# 82
58) Fluorene	15.919	166	49966	9.406	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.502	232	13600	8.692	ng	# 95
60) Diethylphthalate	15.666	149	50669	9.320	ng	98
61) 4-Chlorophenyl-phenyle...	15.901	204	26752	8.841	ng	96
62) 4-Nitroaniline	15.925	138	12606	9.919	ng	# 84
63) Azobenzene	16.195	77	49957	8.976	ng	96
65) 4,6-Dinitro-2-methylph...	15.995	198	7820	7.260	ng	87
66) n-Nitrosodiphenylamine	16.113	169	44027	8.924	ng	99
67) 4-Bromophenyl-phenylether	16.800	248	18165	8.342	ng	94
68) Hexachlorobenzene	16.929	284	20566	8.708	ng	94
69) Atrazine	17.053	200	18437	9.244	ng	97
70) Pentachlorophenol	17.282	266	11872	10.275	ng	87
71) Phenanthrene	17.664	178	83385	9.034	ng	98
72) Anthracene	17.758	178	84944	9.391	ng	97
73) Carbazole	18.022	167	79027	8.958	ng	97
74) Di-n-butylphthalate	18.562	149	90222	9.387	ng	98
75) Fluoranthene	19.667	202	112781	9.596	ng	98
77) Benzidine	19.837	184	58129	14.394	ng	99
78) Pyrene	20.031	202	114501	9.054	ng	98
80) Butylbenzylphthalate	20.900	149	38377	8.736	ng	91
81) Benzo(a)anthracene	21.917	228	115183	9.210	ng	98
82) 3,3'-Dichlorobenzidine	21.823	252	43573	9.980	ng	98
83) Chrysene	21.987	228	104068	8.781	ng	98
84) Bis(2-ethylhexyl)phtha...	21.793	149	53539	8.790	ng	# 96
85) Di-n-octyl phthalate	23.091	149	94423	9.246	ng	98
87) Indeno(1,2,3-cd)pyrene	29.412	276	118643	8.464	ng	98
88) Benzo(b)fluoranthene	24.302	252	112544	9.428	ng	99
89) Benzo(k)fluoranthene	24.366	252	106968	9.071	ng	98
90) Benzo(a)pyrene	25.241	252	107263	10.638	ng	98
91) Dibenzo(a,h)anthracene	29.471	278	104333	9.010	ng	97
92) Benzo(g,h,i)perylene	30.664	276	100646	8.856	ng	98

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

