

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090922\
 Data File : BG054905.D
 Acq On : 9 Sep 2022 20:32
 Operator : CG/JU
 Sample : N4545-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908MSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/12/2022
 Supervised By : Jagrut Upadhyay 09/12/2022

Quant Time: Sep 10 02:02:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.143	152	37579	20.000	ng	0.00
21) Naphthalene-d8	10.969	136	163638	20.000	ng	0.00
39) Acenaphthene-d10	14.776	164	118689	20.000	ng	0.00
64) Phenanthrene-d10	17.526	188	256552	20.000	ng	0.00
76) Chrysene-d12	21.821	240	242435	20.000	ng	0.00
86) Perylene-d12	25.194	264	261562	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	301884	139.889	ng	0.00
7) Phenol-d6	7.303	99	411606	139.467	ng	0.00
23) Nitrobenzene-d5	9.318	82	238845	76.623	ng	0.00
42) 2,4,6-Tribromophenol	16.269	330	202165	136.313	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	625467	79.206	ng	0.00
79) Terphenyl-d14	20.123	244	970805	79.343	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.513	88	34225	33.213	ng	97
3) Pyridine	3.924	79	94506	32.880	ng	92
4) n-Nitrosodimethylamine	3.842	42	46029	37.046	ng	90
6) Aniline	7.461	93	155897	44.459	ng	94
8) 2-Chlorophenol	7.708	128	129612	54.972	ng	95
9) Benzaldehyde	7.273	77	85286m	44.091	ng	
10) Phenol	7.326	94	160946	53.028	ng	97
11) bis(2-Chloroethyl)ether	7.555	93	113996	46.701	ng	94
12) 1,3-Dichlorobenzene	8.031	146	133968	49.100	ng	98
13) 1,4-Dichlorobenzene	8.178	146	135050	49.070	ng	97
14) 1,2-Dichlorobenzene	8.501	146	132901	50.927	ng	99
15) Benzyl Alcohol	8.384	79	109241m	51.236	ng	
16) 2,2'-oxybis(1-Chloropr...	8.666	45	154732	40.511	ng	96
17) 2-Methylphenol	8.589	107	112995	54.073	ng	99
18) Hexachloroethane	9.230	117	47421	47.516	ng	93
19) n-Nitroso-di-n-propyla...	8.948	70	93445	46.043	ng	# 94
20) 3+4-Methylphenols	8.919	107	156242	53.919	ng	97
22) Acetophenone	8.971	105	188030	45.929	ng	# 95
24) Nitrobenzene	9.359	77	136140	43.331	ng	97
25) Isophorone	9.882	82	274094	47.159	ng	98
26) 2-Nitrophenol	10.076	139	74235	53.490	ng	99
27) 2,4-Dimethylphenol	10.129	122	128570	58.470	ng	95
28) bis(2-Chloroethoxy)met...	10.358	93	165518	49.977	ng	98
29) 2,4-Dichlorophenol	10.617	162	133975	53.567	ng	99
30) 1,2,4-Trichlorobenzene	10.828	180	137448	48.089	ng	99
31) Naphthalene	11.022	128	409169	46.605	ng	99
32) Benzoic acid	10.335	122	22199m	19.645	ng	
33) 4-Chloroaniline	11.128	127	122603	34.254	ng	96
34) Hexachlorobutadiene	11.292	225	90503	49.421	ng	98
35) Caprolactam	11.915	113	47555m	53.894	ng	
36) 4-Chloro-3-methylphenol	12.250	107	145644	53.251	ng	98
37) 2-Methylnaphthalene	12.620	142	303541	49.329	ng	99
38) 1-Methylnaphthalene	12.837	142	288980	48.269	ng	98
40) 1,2,4,5-Tetrachloroben...	12.978	216	177643	49.651	ng	98
41) Hexachlorocyclopentadiene	12.949	237	93641	49.352	ng	98
43) 2,4,6-Trichlorophenol	13.219	196	112326	47.300	ng	99

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44) 2,4,5-Trichlorophenol	13.296	196	123030	46.131	ng	99
46) 1,1'-Biphenyl	13.613	154	416739	47.282	ng	99
47) 2-Chloronaphthalene	13.666	162	309379	46.219	ng	98
48) 2-Nitroaniline	13.866	65	92686	44.182	ng	90
49) Acenaphthylene	14.506	152	512612	46.407	ng	100
50) Dimethylphthalate	14.230	163	411944	45.051	ng	100
51) 2,6-Dinitrotoluene	14.353	165	91408	48.874	ng	# 83
52) Acenaphthene	14.841	154	342158m	48.223	ng	
53) 3-Nitroaniline	14.688	138	78360	37.427	ng	91
54) 2,4-Dinitrophenol	14.900	184	57410	56.535	ng	98
55) Dibenzofuran	15.176	168	489513	46.951	ng	99
56) 4-Nitrophenol	15.006	139	131608	81.228	ng	89
57) 2,4-Dinitrotoluene	15.141	165	128729	49.761	ng	# 83
58) Fluorene	15.822	166	411036	46.797	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.405	232	100998	42.011	ng	99
60) Diethylphthalate	15.581	149	410611	44.970	ng	98
61) 4-Chlorophenyl-phenyle...	15.810	204	211891	48.903	ng	97
62) 4-Nitroaniline	15.852	138	93282	43.639	ng	96
63) Azobenzene	16.104	77	358081	41.265	ng	94
65) 4,6-Dinitro-2-methylph...	15.904	198	53944	41.307	ng	96
66) n-Nitrosodiphenylamine	16.028	169	363687	49.157	ng	99
67) 4-Bromophenyl-phenylether	16.704	248	147758	52.457	ng	96
68) Hexachlorobenzene	16.827	284	165452	52.251	ng	95
69) Atrazine	16.968	200	140777	53.935	ng	100
70) Pentachlorophenol	17.179	266	118023	68.600	ng	100
71) Phenanthrene	17.573	178	675799	49.449	ng	100
72) Anthracene	17.661	178	647725	48.748	ng	99
73) Carbazole	17.932	167	581568	47.506	ng	100
74) Di-n-butylphthalate	18.466	149	693320	44.756	ng	99
75) Fluoranthene	19.577	202	825262	49.638	ng	99
77) Benzidine	19.753	184	460851	76.747	ng	100
78) Pyrene	19.941	202	820523	48.538	ng	99
80) Butylbenzylphthalate	20.805	149	318938	45.231	ng	94
81) Benzo(a)anthracene	21.798	228	783512	47.665	ng	99
82) 3,3'-Dichlorobenzidine	21.709	252	205325	35.627	ng	99
83) Chrysene	21.868	228	736568	46.865	ng	99
84) Bis(2-ethylhexyl)phtha...	21.674	149	498213	49.041	ng	98
85) Di-n-octyl phthalate	22.932	149	765732	44.446	ng	# 93
87) Indeno(1,2,3-cd)pyrene	29.101	276	940721	47.375	ng	# 94
88) Benzo(b)fluoranthene	24.118	252	831921	50.702	ng	99
89) Benzo(k)fluoranthene	24.189	252	788384	47.743	ng	98
90) Benzo(a)pyrene	25.041	252	736668	52.550	ng	99
91) Dibenzo(a,h)anthracene	29.160	278	801266	49.530	ng	98
92) Benzo(g,h,i)perylene	30.329	276	811063	49.628	ng	97

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

