

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090922\
 Data File : BG054904.D
 Acq On : 9 Sep 2022 19:50
 Operator : CG/JU
 Sample : N4545-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908MS

Quant Time: Sep 10 02:01:14 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

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo

09/12/2022
 Supervised By :Jagrut
 Upadhyay

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.144	152	34683	20.000	ng	0.00
21) Naphthalene-d8	10.970	136	151921	20.000	ng	# 0.00
39) Acenaphthene-d10	14.777	164	108411	20.000	ng	0.00
64) Phenanthrene-d10	17.527	188	240957	20.000	ng	0.00
76) Chrysene-d12	21.822	240	223321	20.000	ng	0.00
86) Perylene-d12	25.194	264	245543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.688	112	287721	144.459	ng	0.00
7) Phenol-d6	7.304	99	393997	144.648	ng	0.00
23) Nitrobenzene-d5	9.319	82	229288	79.231	ng	0.00
42) 2,4,6-Tribromophenol	16.270	330	195784	144.526	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	595530	82.565	ng	0.00
79) Terphenyl-d14	20.124	244	936601	83.099	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.514	88	32702	34.385	ng	98
3) Pyridine	3.925	79	91268	34.405	ng	91
4) n-Nitrosodimethylamine	3.843	42	43837	38.228	ng	85
6) Aniline	7.462	93	148841	45.991	ng	95
8) 2-Chlorophenol	7.709	128	123269	56.648	ng	95
9) Benzaldehyde	7.274	77	81360m	45.574	ng	
10) Phenol	7.327	94	153610	54.837	ng	96
11) bis(2-Chloroethyl)ether	7.550	93	109079	48.418	ng	95
12) 1,3-Dichlorobenzene	8.032	146	127782	50.743	ng	97
13) 1,4-Dichlorobenzene	8.179	146	129605	51.024	ng	98
14) 1,2-Dichlorobenzene	8.502	146	126599	52.562	ng	98
15) Benzyl Alcohol	8.385	79	103943m	52.822	ng	
16) 2,2'-oxybis(1-Chloropr...	8.667	45	147181	41.752	ng	94
17) 2-Methylphenol	8.590	107	107632	55.808	ng	97
18) Hexachloroethane	9.231	117	45318	49.201	ng	95
19) n-Nitroso-di-n-propyla...	8.949	70	90208	48.160	ng	# 93
20) 3+4-Methylphenols	8.919	107	148882	55.669	ng	95
22) Acetophenone	8.972	105	179829	47.314	ng	# 95
24) Nitrobenzene	9.360	77	129411	44.366	ng	97
25) Isophorone	9.883	82	262122	48.578	ng	98
26) 2-Nitrophenol	10.077	139	70930	55.050	ng	99
27) 2,4-Dimethylphenol	10.130	122	122294	59.905	ng	96
28) bis(2-Chloroethoxy)met...	10.359	93	158809	51.649	ng	99
29) 2,4-Dichlorophenol	10.617	162	128392	55.294	ng	98
30) 1,2,4-Trichlorobenzene	10.829	180	130884	49.324	ng	98
31) Naphthalene	11.023	128	390836	47.950	ng	100
32) Benzoic acid	10.329	122	21734	20.291	ng	92
33) 4-Chloroaniline	11.129	127	115215	34.672	ng	97
34) Hexachlorobutadiene	11.293	225	86485	50.869	ng	98
35) Caprolactam	11.916	113	44742m	54.617	ng	
36) 4-Chloro-3-methylphenol	12.245	107	137172	54.022	ng	98
37) 2-Methylnaphthalene	12.615	142	291509	51.027	ng	99
38) 1-Methylnaphthalene	12.838	142	276668	49.777	ng	99
40) 1,2,4,5-Tetrachloroben...	12.979	216	168096	51.437	ng	99
41) Hexachlorocyclopentadiene	12.950	237	96131	55.467	ng	99
43) 2,4,6-Trichlorophenol	13.220	196	106256	48.986	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	13.297	196	116748	47.926	ng	98	
46) 1,1'-Biphenyl	13.614	154	396977	49.310	ng	99	
47) 2-Chloronaphthalene	13.661	162	295783	48.377	ng	99	
48) 2-Nitroaniline	13.867	65	87595	45.714	ng	90	
49) Acenaphthylene	14.507	152	486847	48.253	ng	99	
50) Dimethylphthalate	14.225	163	391083	46.825	ng	99	
51) 2,6-Dinitrotoluene	14.354	165	86626	50.708	ng	#	83
52) Acenaphthene	14.848	154	323024m	49.842	ng		
53) 3-Nitroaniline	14.689	138	74994	39.215	ng	92	
54) 2,4-Dinitrophenol	14.901	184	53220	57.278	ng	99	
55) Dibenzofuran	15.177	168	467694	49.111	ng	99	
56) 4-Nitrophenol	15.001	139	124834	84.352	ng	93	
57) 2,4-Dinitrotoluene	15.142	165	121714	51.510	ng	#	83
58) Fluorene	15.823	166	390970	48.733	ng	99	
59) 2,3,4,6-Tetrachlorophenol	15.406	232	96600	43.991	ng	98	
60) Diethylphthalate	15.576	149	391693	46.965	ng	98	
61) 4-Chlorophenyl-phenyle...	15.811	204	201101	50.813	ng	97	
62) 4-Nitroaniline	15.852	138	89777	45.981	ng	93	
63) Azobenzene	16.105	77	340166	42.917	ng	93	
65) 4,6-Dinitro-2-methylph...	15.905	198	51960	42.363	ng	94	
66) n-Nitrosodiphenylamine	16.029	169	345912	49.780	ng	99	
67) 4-Bromophenyl-phenylether	16.704	248	141519	53.494	ng	97	
68) Hexachlorobenzene	16.828	284	157681	53.020	ng	95	
69) Atrazine	16.969	200	135797	55.394	ng	99	
70) Pentachlorophenol	17.180	266	114533	70.880	ng	100	
71) Phenanthrene	17.568	178	648450	50.518	ng	99	
72) Anthracene	17.662	178	622920	49.915	ng	99	
73) Carbazole	17.932	167	563769	49.032	ng	99	
74) Di-n-butylphthalate	18.467	149	667763	45.896	ng	99	
75) Fluoranthene	19.577	202	789774	50.578	ng	98	
77) Benzidine	19.754	184	424868	76.810	ng	100	
78) Pyrene	19.936	202	794947	51.050	ng	99	
80) Butylbenzylphthalate	20.805	149	303139	46.670	ng	93	
81) Benzo(a)anthracene	21.798	228	749396	49.492	ng	100	
82) 3,3'-Dichlorobenzidine	21.710	252	184904	34.830	ng	99	
83) Chrysene	21.869	228	703747	48.609	ng	99	
84) Bis(2-ethylhexyl)phtha...	21.675	149	478563	51.139	ng	99	
85) Di-n-octyl phthalate	22.932	149	735868	46.368	ng	#	93
87) Indeno(1,2,3-cd)pyrene	29.102	276	897168	48.129	ng	#	96
88) Benzo(b)fluoranthene	24.119	252	800453	51.967	ng	98	
89) Benzo(k)fluoranthene	24.190	252	753906	48.634	ng	98	
90) Benzo(a)pyrene	25.042	252	701374	53.297	ng	99	
91) Dibenzo(a,h)anthracene	29.154	278	761617	50.151	ng	99	
92) Benzo(g,h,i)perylene	30.324	276	775843	50.570	ng	97	

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

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