

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
 Data File : BG055476.D
 Acq On : 5 Nov 2022 18:56
 Operator : CG/JU
 Sample : N5451-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LFR-SOIL-1103MSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/07/2022
 Supervised By : Jagrut Upadhyay 11/07/2022

Quant Time: Nov 07 00:57:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 07 00:51:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	31547	20.000	ng	0.00
21) Naphthalene-d8	11.056	136	128105	20.000	ng	# 0.00
39) Acenaphthene-d10	14.846	164	85567	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	189370	20.000	ng	0.00
76) Chrysene-d12	21.855	240	193016	20.000	ng	0.00
86) Perylene-d12	25.216	264	213685	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.757	112	198921	113.238	ng	0.00
7) Phenol-d6	7.384	99	257278	105.613	ng	0.00
23) Nitrobenzene-d5	9.405	82	143048	59.512	ng	0.00
42) 2,4,6-Tribromophenol	16.327	330	124249	106.455	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	327331	56.718	ng	0.00
79) Terphenyl-d14	20.151	244	519735	52.361	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.553	88	31605	39.666	ng	98
3) Pyridine	3.976	79	84611	35.782	ng	99
4) n-Nitrosodimethylamine	3.888	42	40995	43.885	ng	97
6) Aniline	7.543	93	128334	40.618	ng	99
8) 2-Chlorophenol	7.795	128	101602	47.603	ng	99
9) Benzaldehyde	7.355	77	64823	45.262	ng	98
10) Phenol	7.413	94	126140	45.748	ng	99
11) bis(2-Chloroethyl)ether	7.637	93	86586	41.974	ng	97
12) 1,3-Dichlorobenzene	8.119	146	111943	46.272	ng	100
13) 1,4-Dichlorobenzene	8.265	146	112238	45.551	ng	99
14) 1,2-Dichlorobenzene	8.589	146	108859	46.157	ng	100
15) Benzyl Alcohol	8.471	79	83134m	42.789	ng	
16) 2,2'-oxybis(1-Chloropr...	8.753	45	107791	39.274	ng	98
17) 2-Methylphenol	8.677	107	85840	43.269	ng	99
18) Hexachloroethane	9.323	117	37619	44.755	ng	91
19) n-Nitroso-di-n-propyla...	9.035	70	70930	37.263	ng	95
20) 3+4-Methylphenols	9.006	107	129588	45.972	ng	98
22) Acetophenone	9.059	105	146797	43.719	ng	# 99
24) Nitrobenzene	9.446	77	106955	42.679	ng	97
25) Isophorone	9.969	82	196295	41.235	ng	98
26) 2-Nitrophenol	10.163	139	59937	46.448	ng	96
27) 2,4-Dimethylphenol	10.216	122	95120	52.571	ng	97
28) bis(2-Chloroethoxy)met...	10.445	93	115756	45.653	ng	98
29) 2,4-Dichlorophenol	10.710	162	103134	46.727	ng	99
30) 1,2,4-Trichlorobenzene	10.915	180	108345	45.332	ng	98
31) Naphthalene	11.109	128	308974	42.838	ng	99
32) Benzoic acid	10.375	122	35978	35.717	ng	100
33) 4-Chloroaniline	11.215	127	108962	36.358	ng	99
34) Hexachlorobutadiene	11.379	225	67676	45.554	ng	99
35) Caprolactam	11.996	113	32387	39.632	ng	93
36) 4-Chloro-3-methylphenol	12.325	107	104362	43.184	ng	99
37) 2-Methylnaphthalene	12.695	142	220458	41.612	ng	99
38) 1-Methylnaphthalene	12.913	142	208208	40.293	ng	99
40) 1,2,4,5-Tetrachloroben...	13.060	216	122822	48.591	ng	99
41) Hexachlorocyclopentadiene	13.030	237	123144	100.295	ng	95
43) 2,4,6-Trichlorophenol	13.295	196	85529	48.590	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.371	196	92921	47.393	ng	98
46) 1,1'-Biphenyl	13.683	154	294513	46.776	ng	98
47) 2-Chloronaphthalene	13.735	162	230697	45.599	ng	99
48) 2-Nitroaniline	13.935	65	65676	42.264	ng	96
49) Acenaphthylene	14.576	152	367460	44.233	ng	100
50) Dimethylphthalate	14.288	163	291101	40.757	ng	99
51) 2,6-Dinitrotoluene	14.417	165	64030	42.822	ng	98
52) Acenaphthene	14.911	154	212881	43.057	ng	99
53) 3-Nitroaniline	14.752	138	60966	36.277	ng	94
54) 2,4-Dinitrophenol	14.963	184	69224	76.815	ng	95
55) Dibenzofuran	15.240	168	355093	43.390	ng	99
56) 4-Nitrophenol	15.069	139	106108	92.082	ng	99
57) 2,4-Dinitrotoluene	15.204	165	91508	42.800	ng	98
58) Fluorene	15.886	166	283650	42.666	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.469	232	81108	46.007	ng	97
60) Diethylphthalate	15.633	149	295451	39.804	ng	99
61) 4-Chlorophenyl-phenyle...	15.868	204	151301	44.020	ng	99
62) 4-Nitroaniline	15.909	138	73647	41.420	ng	97
63) Azobenzene	16.162	77	250202	40.551	ng	98
65) 4,6-Dinitro-2-methylph...	15.968	198	56015	45.921	ng	98
66) n-Nitrosodiphenylamine	16.086	169	254372	45.181	ng	99
67) 4-Bromophenyl-phenylether	16.761	248	102600	45.833	ng	97
68) Hexachlorobenzene	16.891	284	117008	45.835	ng	95
69) Atrazine	17.020	200	100142	52.981	ng	98
70) Pentachlorophenol	17.237	266	120944	90.810	ng	97
71) Phenanthrene	17.625	178	464010	43.561	ng	100
72) Anthracene	17.713	178	473885	45.388	ng	100
73) Carbazole	17.983	167	447123	46.030	ng	100
74) Di-n-butylphthalate	18.506	149	527700	43.496	ng	99
75) Fluoranthene	19.611	202	564446	44.054	ng	98
77) Benzidine	19.787	184	350350	87.185	ng	99
78) Pyrene	19.975	202	578366	42.476	ng	99
80) Butylbenzylphthalate	20.827	149	244176	43.012	ng	98
81) Benzo(a)anthracene	21.832	228	574961	43.394	ng	99
82) 3,3'-Dichlorobenzidine	21.738	252	185168	40.753	ng	99
83) Chrysene	21.902	228	541469	42.835	ng	100
84) Bis(2-ethylhexyl)phtha...	21.691	149	416772	50.505	ng	99
85) Di-n-octyl phthalate	22.942	149	605352	42.814	ng	100
87) Indeno(1,2,3-cd)pyrene	29.106	276	739169	43.084	ng	# 91
88) Benzo(b)fluoranthene	24.147	252	616715	45.436	ng	99
89) Benzo(k)fluoranthene	24.211	252	607447	44.534	ng	99
90) Benzo(a)pyrene	25.063	252	552560	47.081	ng	99
91) Dibenzo(a,h)anthracene	29.153	278	619806	43.788	ng	99
92) Benzo(g,h,i)perylene	30.328	276	617190	43.842	ng	98

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

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