

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013123\
 Data File : BG056482.D
 Acq On : 31 Jan 2023 12:08
 Operator : CG/JU
 Sample : N3980-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/01/2023
 Supervised By : Jagrut Upadhyay 02/01/2023

Quant Time: Feb 01 01:22:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	25645	20.000	ng	0.00
21) Naphthalene-d8	11.108	136	100700	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	86071	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	242890	20.000	ng	0.00
76) Chrysene-d12	21.925	240	251734	20.000	ng	0.00
86) Perylene-d12	25.339	264	277081	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	165123	118.447	ng	0.00
7) Phenol-d6	7.418	99	233597	113.092	ng	0.00
23) Nitrobenzene-d5	9.451	82	137387	77.473	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	132742	116.007	ng	0.00
45) 2-Fluorobiphenyl	13.523	172	464076	74.753	ng	0.00
79) Terphenyl-d14	20.209	244	1061589	74.068	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.599	88	6403	11.030	ng	# 97
3) Pyridine	4.028	79	16785	9.700	ng	# 91
4) n-Nitrosodimethylamine	3.928	42	3615	9.824	ng	# 95
6) Aniline	7.589	93	26242	9.704	ng	98
8) 2-Chlorophenol	7.836	128	15051	9.828	ng	98
9) Benzaldehyde	7.401	77	13216	11.183	ng	96
10) Phenol	7.442	94	20647	9.835	ng	90
11) bis(2-Chloroethyl)ether	7.677	93	14451	10.015	ng	92
12) 1,3-Dichlorobenzene	8.165	146	18405	10.438	ng	98
13) 1,4-Dichlorobenzene	8.311	146	19287	10.801	ng	97
14) 1,2-Dichlorobenzene	8.635	146	18496	10.676	ng	95
15) Benzyl Alcohol	8.517	79	12592	8.885	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.799	45	2862	9.361	ng	87
17) 2-Methylphenol	8.717	107	13696	8.575	ng	89
18) Hexachloroethane	9.375	117	5792	10.724	ng	91
19) n-Nitroso-di-n-propyla...	9.075	70	11570	9.720	ng	94
20) 3+4-Methylphenols	9.046	107	19247	8.599	ng	94
22) Acetophenone	9.099	105	27148	10.147	ng	# 95
24) Nitrobenzene	9.492	77	17596	10.287	ng	89
25) Isophorone	10.015	82	35022	9.573	ng	97
26) 2-Nitrophenol	10.215	139	10179	9.808	ng	95
27) 2,4-Dimethylphenol	10.256	122	15446	8.893	ng	96
28) bis(2-Chloroethoxy)met...	10.491	93	20048	9.920	ng	90
29) 2,4-Dichlorophenol	10.756	162	18915	9.675	ng	94
30) 1,2,4-Trichlorobenzene	10.967	180	21660	9.970	ng	95
31) Naphthalene	11.161	128	52327	9.845	ng	96
32) Benzoic acid	10.374	122	11243m	11.570	ng	
33) 4-Chloroaniline	11.261	127	23878	9.624	ng	95
34) Hexachlorobutadiene	11.437	225	15639	10.255	ng	98
35) Caprolactam	12.007	113	6682	10.134	ng	96
36) 4-Chloro-3-methylphenol	12.360	107	18474	9.785	ng	93
37) 2-Methylnaphthalene	12.742	142	41090	9.377	ng	99
38) 1-Methylnaphthalene	12.959	142	39571	9.670	ng	98
40) 1,2,4,5-Tetrachloroben...	13.106	216	31082	9.885	ng	99
41) Hexachlorocyclopentadiene	13.076	237	8580	11.109	ng	99
43) 2,4,6-Trichlorophenol	13.341	196	18089	8.927	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.423	196	20573	8.671	ng	98
46) 1,1'-Biphenyl	13.729	154	60893	9.754	ng	95
47) 2-Chloronaphthalene	13.782	162	48388	9.916	ng	98
48) 2-Nitroaniline	13.975	65	10064	9.977	ng	85
49) Acenaphthylene	14.622	152	77324	9.740	ng	99
50) Dimethylphthalate	14.334	163	69347	9.959	ng	97
51) 2,6-Dinitrotoluene	14.463	165	14668	9.659	ng	93
52) Acenaphthene	14.957	154	45547	9.674	ng	98
53) 3-Nitroaniline	14.792	138	14586	9.908	ng	93
54) 2,4-Dinitrophenol	15.010	184	5635	5.919	ng	93
55) Dibenzofuran	15.292	168	83262	9.861	ng	99
56) 4-Nitrophenol	15.104	139	9430	9.374	ng	88
57) 2,4-Dinitrotoluene	15.245	165	21769	10.177	ng	97
58) Fluorene	15.932	166	68871	10.251	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.515	232	20285	9.616	ng	# 98
60) Diethylphthalate	15.679	149	68063	10.409	ng	99
61) 4-Chlorophenyl-phenylether	15.920	204	40618	9.908	ng	97
62) 4-Nitroaniline	15.950	138	15749	10.691	ng	91
63) Azobenzene	16.208	77	45519	10.117	ng	94
65) 4,6-Dinitro-2-methylph...	16.014	198	12736	7.458	ng	97
66) n-Nitrosodiphenylamine	16.132	169	61807	8.988	ng	95
67) 4-Bromophenyl-phenylether	16.813	248	27816	8.946	ng	92
68) Hexachlorobenzene	16.937	284	30001	9.851	ng	93
69) Atrazine	17.060	200	30555	11.517	ng	94
70) Pentachlorophenol	17.289	266	9695m	5.261	ng	
71) Phenanthrene	17.677	178	125113	9.842	ng	99
72) Anthracene	17.765	178	127396	9.762	ng	98
73) Carbazole	18.030	167	113676	10.228	ng	98
74) Di-n-butylphthalate	18.558	149	114288	9.793	ng	99
75) Fluoranthene	19.669	202	167222	10.422	ng	99
77) Benzidine	19.833	184	93691	13.753	ng	98
78) Pyrene	20.027	202	169272	9.455	ng	99
80) Butylbenzylphthalate	20.885	149	48654	8.898	ng	98
81) Benzo(a)anthracene	21.901	228	172498	9.802	ng	99
82) 3,3'-Dichlorobenzidine	21.802	252	71085	11.216	ng	95
83) Chrysene	21.972	228	161738	9.782	ng	96
84) Bis(2-ethylhexyl)phtha...	21.760	149	71277	9.092	ng	96
85) Di-n-octyl phthalate	23.030	149	120811	9.254	ng	99
87) Indeno(1,2,3-cd)pyrene	29.275	276	190868	9.410	ng	# 80
88) Benzo(b)fluoranthene	24.246	252	178298	10.367	ng	97
89) Benzo(k)fluoranthene	24.316	252	173334	9.982	ng	98
90) Benzo(a)pyrene	25.174	252	154744	9.134	ng	# 99
91) Dibenzo(a,h)anthracene	29.322	278	168132	9.875	ng	98
92) Benzo(g,h,i)perylene	30.515	276	163630	9.961	ng	99

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

Manual Integrations

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