

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020322\
 Data File : BF126790.D
 Acq On : 03 Feb 2022 10:27
 Operator : CG/JU
 Sample : M4068-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Quant Time: Feb 03 11:34:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 02 15:08:47 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/10/2022
 Supervised By : mohammad ahmed 02/10/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	150448	20.000	ng	0.00
21) Naphthalene-d8	8.234	136	563626	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	316545	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	552645	20.000	ng	0.00
76) Chrysene-d12	14.127	240	419855	20.000	ng	# 0.00
86) Perylene-d12	15.639	264	286354	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1295085	117.903	ng	0.00
7) Phenol-d6	6.569	99	1900660	125.091	ng	0.00
23) Nitrobenzene-d5	7.510	82	1214442	80.640	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	414792	126.260	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	1519470	79.483	ng	0.00
79) Terphenyl-d14	13.069	244	1620527	64.567	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.793	88	21647	3.894	ng	# 87
3) Pyridine	3.622	79	52396	3.476	ng	# 80
4) n-Nitrosodimethylamine	3.505	42	18862	4.051	ng	# 76
6) Aniline	6.616	93	93228	4.808	ng	96
8) 2-Chlorophenol	6.734	128	44627	4.443	ng	98
9) Benzaldehyde	6.504	77	50172	5.249	ng	89
10) Phenol	6.581	94	71237	4.380	ng	99
11) bis(2-Chloroethyl)ether	6.681	93	59010	4.504	ng	93
12) 1,3-Dichlorobenzene	6.887	146	50706	4.484	ng	96
13) 1,4-Dichlorobenzene	6.963	146	51318m	4.489	ng	
14) 1,2-Dichlorobenzene	7.116	146	46590	4.194	ng	97
15) Benzyl Alcohol	7.081	79	62571m	5.154	ng	
16) 2,2'-oxybis(1-Chloropr...	7.216	45	64437	4.565	ng	83
17) 2-Methylphenol	7.181	107	42994	4.353	ng	94
18) Hexachloroethane	7.457	117	19172	4.282	ng	90
19) n-Nitroso-di-n-propyla...	7.345	70	45114	4.509	ng	# 83
20) 3+4-Methylphenols	7.334	107	54711	4.398	ng	# 68
22) Acetophenone	7.351	105	72713	4.458	ng	# 87
24) Nitrobenzene	7.528	77	71813	4.804	ng	# 85
25) Isophorone	7.757	82	116785	4.518	ng	# 93
26) 2-Nitrophenol	7.840	139	19960	4.006	ng	# 72
27) 2,4-Dimethylphenol	7.869	122	43368	4.984	ng	93
28) bis(2-Chloroethoxy)met...	7.969	93	72034	4.394	ng	98
29) 2,4-Dichlorophenol	8.081	162	35581	4.153	ng	96
30) 1,2,4-Trichlorobenzene	8.169	180	39669	4.306	ng	96
31) Naphthalene	8.251	128	138472	4.700	ng	100
32) Benzoic acid	7.910	122	15816	2.355	ng	88
33) 4-Chloroaniline	8.298	127	55788	4.687	ng	# 94
34) Hexachlorobutadiene	8.363	225	24089	4.172	ng	97
35) Caprolactam	8.622	113	11770	3.776	ng	# 78
36) 4-Chloro-3-methylphenol	8.763	107	46339	4.244	ng	90
37) 2-Methylnaphthalene	8.939	142	88746	4.889	ng	95
38) 1-Methylnaphthalene	9.039	142	83567	4.782	ng	98
40) 1,2,4,5-Tetrachloroben...	9.104	216	39713	4.357	ng	96
41) Hexachlorocyclopentadiene	9.092	237	22731	4.327	ng	96
43) 2,4,6-Trichlorophenol	9.216	196	26349	4.104	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	27786	4.145	ng	93
46) 1,1'-Biphenyl	9.404	154	107072	4.619	ng	96
47) 2-Chloronaphthalene	9.434	162	84241	4.584	ng	98
48) 2-Nitroaniline	9.522	65	30705	4.098	ng	92
49) Acenaphthylene	9.851	152	135399	4.772	ng	97
50) Dimethylphthalate	9.698	163	97365	4.450	ng	99
51) 2,6-Dinitrotoluene	9.763	165	19644	4.371	ng	89
52) Acenaphthene	10.022	154	80765	4.464	ng	96
53) 3-Nitroaniline	9.934	138	21967	4.289	ng	# 86
54) 2,4-Dinitrophenol	10.039	184	4378	1.849	ng	87
55) Dibenzofuran	10.192	168	122443	4.585	ng	97
56) 4-Nitrophenol	10.075	139	13810	3.560	ng	83
57) 2,4-Dinitrotoluene	10.163	165	25833	4.241	ng	# 92
58) Fluorene	10.533	166	96953	4.907	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.304	232	22191	3.825	ng	# 85
60) Diethylphthalate	10.398	149	95311	4.433	ng	99
61) 4-Chlorophenyl-phenyle...	10.528	204	46954	4.698	ng	# 86
62) 4-Nitroaniline	10.539	138	19023	3.914	ng	# 76
63) Azobenzene	10.686	77	136278	4.568	ng	88
65) 4,6-Dinitro-2-methylph...	10.569	198	8543	2.548	ng	96
66) n-Nitrosodiphenylamine	10.645	169	81141	4.566	ng	99
67) 4-Bromophenyl-phenylether	11.022	248	26826	4.241	ng	# 89
68) Hexachlorobenzene	11.081	284	30822	4.453	ng	93
69) Atrazine	11.163	200	25496	4.421	ng	93
70) Pentachlorophenol	11.275	266	13030	3.227	ng	97
71) Phenanthrene	11.504	178	147926	4.833	ng	98
72) Anthracene	11.551	178	151166	4.931	ng	99
73) Carbazole	11.704	167	124283	4.297	ng	98
74) Di-n-butylphthalate	12.033	149	144483	4.309	ng	99
75) Fluoranthene	12.692	202	136592	4.387	ng	98
77) Benzidine	12.816	184	55449	5.757	ng	98
78) Pyrene	12.922	202	141801	4.226	ng	100
80) Butylbenzylphthalate	13.539	149	50738	3.644	ng	# 92
81) Benzo(a)anthracene	14.116	228	117309	4.187	ng	97
82) 3,3'-Dichlorobenzidine	14.074	252	29117	3.629	ng	93
83) Chrysene	14.151	228	115997	4.373	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	68708	3.793	ng	# 99
85) Di-n-octyl phthalate	14.716	149	89284	3.457	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.180	276	64577	3.697	ng	# 91
88) Benzo(b)fluoranthene	15.186	252	88135	4.707	ng	# 92
89) Benzo(k)fluoranthene	15.216	252	78725	4.215	ng	# 94
90) Benzo(a)pyrene	15.574	252	70320	4.711	ng	# 94
91) Dibenzo(a,h)anthracene	17.204	278	53594	3.746	ng	# 93
92) Benzo(g,h,i)perylene	17.651	276	54085	3.828	ng	# 89

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

