

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020322\
 Data File : BF126791.D
 Acq On : 03 Feb 2022 11:12
 Operator : CG/JU
 Sample : M4068-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 03 11:38:13 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	146199	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	554310	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	308627	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	543810	20.000	ng	0.00
76) Chrysene-d12	14.127	240	459391	20.000	ng	# 0.00
86) Perylene-d12	15.645	264	378321	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1314916	123.188	ng	0.00
7) Phenol-d6	6.569	99	1919616	130.010	ng	0.00
23) Nitrobenzene-d5	7.510	82	1213809	81.952	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	424304	132.469	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1537898	82.511	ng	0.00
79) Terphenyl-d14	13.074	244	1692206	61.620	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.787	88	44206	8.184	ng	# 87
3) Pyridine	3.593	79	103417	7.060	ng	# 80
4) n-Nitrosodimethylamine	3.505	42	38874	8.592	ng	# 66
6) Aniline	6.616	93	187946	9.975	ng	95
8) 2-Chlorophenol	6.734	128	87119	8.926	ng	98
9) Benzaldehyde	6.498	77	99023	10.660	ng	87
10) Phenol	6.581	94	139161	8.805	ng	98
11) bis(2-Chloroethyl)ether	6.681	93	117747	9.248	ng	92
12) 1,3-Dichlorobenzene	6.887	146	100974	9.188	ng	95
13) 1,4-Dichlorobenzene	6.963	146	99973	9.000	ng	96
14) 1,2-Dichlorobenzene	7.116	146	93568	8.668	ng	95
15) Benzyl Alcohol	7.081	79	114255	9.685	ng	93
16) 2,2'-oxybis(1-Chloropr...	7.216	45	124939	9.109	ng	84
17) 2-Methylphenol	7.181	107	84622	8.817	ng	# 94
18) Hexachloroethane	7.457	117	39626	9.107	ng	97
19) n-Nitroso-di-n-propyla...	7.351	70	88042	9.055	ng	# 82
20) 3+4-Methylphenols	7.334	107	111720	9.242	ng	# 69
22) Acetophenone	7.351	105	145211	9.053	ng	# 86
24) Nitrobenzene	7.528	77	136867	9.309	ng	# 87
25) Isophorone	7.763	82	227488	8.949	ng	95
26) 2-Nitrophenol	7.840	139	41999	8.571	ng	# 72
27) 2,4-Dimethylphenol	7.869	122	86222	10.075	ng	89
28) bis(2-Chloroethoxy)met...	7.969	93	144785	8.981	ng	# 98
29) 2,4-Dichlorophenol	8.075	162	73657	8.743	ng	96
30) 1,2,4-Trichlorobenzene	8.169	180	81997	9.050	ng	98
31) Naphthalene	8.251	128	277174	9.567	ng	98
32) Benzoic acid	7.928	122	34591	5.237	ng	# 83
33) 4-Chloroaniline	8.298	127	112347	9.597	ng	97
34) Hexachlorobutadiene	8.363	225	47870	8.429	ng	95
35) Caprolactam	8.634	113	25843	8.430	ng	# 69
36) 4-Chloro-3-methylphenol	8.763	107	93095	8.669	ng	87
37) 2-Methylnaphthalene	8.939	142	176937	9.911	ng	100
38) 1-Methylnaphthalene	9.039	142	163140	9.493	ng	98
40) 1,2,4,5-Tetrachloroben...	9.104	216	78319	8.814	ng	96
41) Hexachlorocyclopentadiene	9.092	237	47913	9.354	ng	95
43) 2,4,6-Trichlorophenol	9.216	196	51384	8.208	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	56424m	8.633	ng	
46) 1,1'-Biphenyl	9.404	154	207364	9.174	ng	97
47) 2-Chloronaphthalene	9.434	162	167686	9.359	ng	98
48) 2-Nitroaniline	9.522	65	63436	8.683	ng	92
49) Acenaphthylene	9.851	152	263833	9.537	ng	98
50) Dimethylphthalate	9.698	163	191333	8.969	ng	# 99
51) 2,6-Dinitrotoluene	9.763	165	40396	9.218	ng	90
52) Acenaphthene	10.022	154	161100	9.133	ng	96
53) 3-Nitroaniline	9.934	138	45240	9.060	ng	# 83
54) 2,4-Dinitrophenol	10.039	184	12317	5.336	ng	88
55) Dibenzofuran	10.192	168	237273	9.114	ng	98
56) 4-Nitrophenol	10.075	139	31763	8.399	ng	# 67
57) 2,4-Dinitrotoluene	10.163	165	52870	8.902	ng	# 92
58) Fluorene	10.533	166	187090	9.712	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.304	232	45815	8.099	ng	# 85
60) Diethylphthalate	10.404	149	186798	8.912	ng	96
61) 4-Chlorophenyl-phenyle...	10.528	204	91100	9.350	ng	# 87
62) 4-Nitroaniline	10.545	138	42793	9.031	ng	83
63) Azobenzene	10.692	77	268108	9.218	ng	91
65) 4,6-Dinitro-2-methylph...	10.575	198	20936	6.346	ng	88
66) n-Nitrosodiphenylamine	10.645	169	161874	9.256	ng	97
67) 4-Bromophenyl-phenylether	11.022	248	54242	8.714	ng	91
68) Hexachlorobenzene	11.081	284	59287	8.705	ng	91
69) Atrazine	11.169	200	50860	8.963	ng	92
70) Pentachlorophenol	11.275	266	29308	7.375	ng	96
71) Phenanthrene	11.504	178	285186	9.469	ng	98
72) Anthracene	11.557	178	292178	9.686	ng	98
73) Carbazole	11.710	167	254665	8.949	ng	98
74) Di-n-butylphthalate	12.033	149	292042	8.851	ng	# 99
75) Fluoranthene	12.698	202	280865	9.168	ng	97
77) Benzidine	12.816	184	163369	15.502	ng	98
78) Pyrene	12.927	202	290701	7.918	ng	99
80) Butylbenzylphthalate	13.539	149	114698	7.529	ng	# 90
81) Benzo(a)anthracene	14.116	228	262934	8.578	ng	99
82) 3,3'-Dichlorobenzidine	14.080	252	86246	9.824	ng	# 94
83) Chrysene	14.151	228	258797	8.917	ng	98
84) Bis(2-ethylhexyl)phtha...	14.098	149	171028	8.629	ng	# 99
85) Di-n-octyl phthalate	14.716	149	266872	9.444	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.186	276	163765	7.097	ng	# 91
88) Benzo(b)fluoranthene	15.192	252	217047	8.774	ng	# 93
89) Benzo(k)fluoranthene	15.221	252	215538	8.735	ng	# 94
90) Benzo(a)pyrene	15.574	252	194405	9.859	ng	# 94
91) Dibenzo(a,h)anthracene	17.204	278	136765	7.236	ng	# 94
92) Benzo(g,h,i)perylene	17.657	276	133306	7.141	ng	# 86

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

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