Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021822\
Data File : BF126955.D
Acq On : 18 Feb 2022 16:40
Operator : CG\JU
Sample : M4068-03
Misc : MDL-MDL-SOIL 8ppm
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

Quant Time: Feb 18 17:24:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 16 14:55:48 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	97425	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	387337	20.000	ng	#	0.00
39) Acenaphthene-d10	9.969	164	203370	20.000	ng		0.00
64) Phenanthrene-d10	11.463	188	365648	20.000	ng	#	0.00
76) Chrysene-d12	14.104	240	251643	20.000	ng	#	0.00
86) Perylene-d12	15.609	264	193217	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.551	112	917412	145.540	ng		0.00
7) Phenol-d6	6.563	99	1258783	147.994	ng		0.00
23) Nitrobenzene-d5	7.498	82	721500	84.078	ng		0.00
42) 2,4,6-Tribromophenol	10.763	330	373136	159.356	ng		0.00
45) 2-Fluorobiphenyl	9.292	172	1168824	84.609	ng		0.00
79) Terphenyl-d14	13.051	244	1387769	81.070	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.751	88	21885	7.587	ng	#	93
3) Pyridine	3.575	79	54131	7.155	ng		95
4) n-Nitrosodimethylamine	3.469	42	28475	7.683	ng	#	72
6) Aniline	6.598	93	87524	8.685	ng		96
8) 2-Chlorophenol	6.716	128	57355	8.480	ng		98
9) Benzaldehyde	6.486	77	52962	10.229	ng		97
10) Phenol	6.569	94	68929	8.020	ng		77
11) bis(2-Chloroethyl)ether	6.669	93	53623	7.955	ng		98
12) 1,3-Dichlorobenzene	6.869	146	61052	8.368	ng		95
13) 1,4-Dichlorobenzene	6.945	146	61334	8.292	ng		98
14) 1,2-Dichlorobenzene	7.098	146	57926	8.212	ng		99
15) Benzyl Alcohol	7.063	79	65924	9.200	ng		92
16) 2,2'-oxybis(1-Chloropr...	7.198	45	80129	7.549	ng		97
17) 2-Methylphenol	7.169	107	46547	7.955	ng		93
18) Hexachloroethane	7.439	117	23421	8.261	ng		97
19) n-Nitroso-di-n-propyla...	7.333	70	44501	8.119	ng	#	96
20) 3+4-Methylphenols	7.322	107	60409	7.950	ng	#	74
22) Acetophenone	7.333	105	86490	8.481	ng		95
24) Nitrobenzene	7.510	77	69611	8.587	ng		93
25) Isophorone	7.745	82	120554	8.490	ng		97
26) 2-Nitrophenol	7.828	139	27960	8.101	ng	#	84
27) 2,4-Dimethylphenol	7.851	122	53108	9.366	ng		92
28) bis(2-Chloroethoxy)met...	7.951	93	69292	8.049	ng		99
29) 2,4-Dichlorophenol	8.063	162	42412	7.956	ng		98
30) 1,2,4-Trichlorobenzene	8.151	180	46756	7.845	ng		99
31) Naphthalene	8.233	128	168015	8.309	ng		99
32) Benzoic acid	7.922	122	19053	4.738	ng		91
33) 4-Chloroaniline	8.280	127	67504	8.482	ng		98
34) Hexachlorobutadiene	8.345	225	27410	7.878	ng		96
35) Caprolactam	8.616	113	13833	7.431	ng		90
36) 4-Chloro-3-methylphenol	8.751	107	54650	8.022	ng		98
37) 2-Methylnaphthalene	8.922	142	110500	8.422	ng		94
38) 1-Methylnaphthalene	9.022	142	105851	8.425	ng		98
40) 1,2,4,5-Tetrachloroben...	9.086	216	45594	8.517	ng		98
41) Hexachlorocyclopentadiene	9.075	237	19839	6.833	ng		95
43) 2,4,6-Trichlorophenol	9.198	196	28634	7.293	ng		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	31736	7.681	ng		92
46) 1,1'-Biphenyl	9.386	154	137038	8.505	ng		97
47) 2-Chloronaphthalene	9.416	162	96727	8.095	ng		95
48) 2-Nitroaniline	9.504	65	36170	7.671	ng		92
49) Acenaphthylene	9.833	152	170955	8.808	ng		96
50) Dimethylphthalate	9.680	163	115933	7.975	ng		100
51) 2,6-Dinitrotoluene	9.745	165	25342	8.569	ng		89
52) Acenaphthene	10.004	154	99880	7.913	ng		98
53) 3-Nitroaniline	9.916	138	27043	7.480	ng		96
54) 2,4-Dinitrophenol	10.022	184	7554	4.826	ng	#	90
55) Dibenzofuran	10.174	168	143003	8.239	ng		94
56) 4-Nitrophenol	10.069	139	17656	6.612	ng	#	75
57) 2,4-Dinitrotoluene	10.145	165	31907	7.979	ng	#	87
58) Fluorene	10.516	166	112172	8.297	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	24594	7.508	ng		97
60) Diethylphthalate	10.380	149	125427	8.258	ng		98
61) 4-Chlorophenyl-phenyle...	10.510	204	52067	8.167	ng		99
62) 4-Nitroaniline	10.527	138	27121	7.597	ng	#	81
63) Azobenzene	10.669	77	130263	7.702	ng		95
65) 4,6-Dinitro-2-methylph...	10.557	198	11990	5.581	ng		91
66) n-Nitrosodiphenylamine	10.627	169	98226	8.192	ng		99
67) 4-Bromophenyl-phenylether	10.998	248	32305	7.907	ng	#	85
68) Hexachlorobenzene	11.063	284	36014	8.189	ng		94
69) Atrazine	11.145	200	32520	8.745	ng		95
70) Pentachlorophenol	11.257	266	14672	6.111	ng		98
71) Phenanthrene	11.486	178	169538	8.284	ng		98
72) Anthracene	11.533	178	174455	8.563	ng		98
73) Carbazole	11.686	167	146627	7.848	ng		99
74) Di-n-butylphthalate	12.015	149	199398	8.301	ng		98
75) Fluoranthene	12.674	202	162071	8.340	ng		94
77) Benzidine	12.798	184	70200	10.265	ng		97
78) Pyrene	12.904	202	165013	7.548	ng		99
80) Butylbenzylphthalate	13.515	149	78183	7.554	ng		91
81) Benzo(a)anthracene	14.092	228	132002	7.781	ng		100
82) 3,3'-Dichlorobenzidine	14.057	252	43579	8.151	ng	#	96
83) Chrysene	14.127	228	125131	7.844	ng		99
84) Bis(2-ethylhexyl)phtha...	14.074	149	110807	8.155	ng	#	95
85) Di-n-octyl phthalate	14.686	149	168636	8.620	ng		97
87) Indeno(1,2,3-cd)pyrene	17.133	276	81406	6.425	ng	#	88
88) Benzo(b)fluoranthene	15.162	252	107449	8.280	ng	#	95
89) Benzo(k)fluoranthene	15.192	252	104222	8.327	ng	#	92
90) Benzo(a)pyrene	15.539	252	96000	9.471	ng	#	95
91) Dibenzo(a,h)anthracene	17.156	278	70123	6.692	ng	#	93
92) Benzo(g,h,i)perylene	17.603	276	69441	6.722	ng	#	84

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

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