Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
Data File : BF129308.D
Acq On : 22 Jul 2022 10:18
Operator : CG\JU
Sample : N3214-03
Misc : MDL-MDL-SOIL 8ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 22 10:58:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 13:42:18 2022
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.893	152	139027	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	532235	20.000	ng		0.00
39) Acenaphthene-d10	9.934	164	280368	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	488003	20.000	ng		0.00
76) Chrysene-d12	14.069	240	367735	20.000	ng		-0.01
86) Perylene-d12	15.563	264	274738	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	941447	110.449	ng		0.00
7) Phenol-d6	6.522	99	1254423	115.446	ng		0.00
23) Nitrobenzene-d5	7.457	82	882384	89.193	ng		0.00
42) 2,4,6-Tribromophenol	10.728	330	353242	130.590	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	1551324	85.120	ng		0.00
79) Terphenyl-d14	13.016	244	1579237	79.982	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	26129	6.913	ng		90
3) Pyridine	3.558	79	63960m	6.129	ng		
4) n-Nitrosodimethylamine	3.416	42	35246m	7.523	ng		
6) Aniline	6.557	93	109591	8.197	ng		98
8) 2-Chlorophenol	6.681	128	73194	7.833	ng		94
9) Benzaldehyde	6.446	77	61587	8.263	ng		95
10) Phenol	6.534	94	86009	7.532	ng		97
11) bis(2-Chloroethyl)ether	6.628	93	67228	7.437	ng		94
12) 1,3-Dichlorobenzene	6.834	146	79155	7.860	ng		96
13) 1,4-Dichlorobenzene	6.910	146	79864	7.837	ng		98
14) 1,2-Dichlorobenzene	7.063	146	74682	7.931	ng		98
15) Benzyl Alcohol	7.028	79	72965	9.256	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.163	45	98602	7.155	ng		93
17) 2-Methylphenol	7.134	107	56951	7.478	ng		96
18) Hexachloroethane	7.404	117	30190	7.896	ng	#	88
19) n-Nitroso-di-n-propyla...	7.293	70	51480	7.952	ng		98
20) 3+4-Methylphenols	7.287	107	74533	7.504	ng	#	83
22) Acetophenone	7.298	105	105896	8.474	ng		98
24) Nitrobenzene	7.475	77	82036	8.051	ng		98
25) Isophorone	7.704	82	139286	8.019	ng		98
26) 2-Nitrophenol	7.787	139	37311	7.589	ng		96
27) 2,4-Dimethylphenol	7.822	122	65007m	8.789	ng		
28) bis(2-Chloroethoxy)met...	7.916	93	84016	8.350	ng		99
29) 2,4-Dichlorophenol	8.028	162	57058	7.417	ng		98
30) 1,2,4-Trichlorobenzene	8.116	180	64438	8.059	ng		93
31) Naphthalene	8.198	128	215298	7.887	ng		99
32) Benzoic acid	7.881	122	21538m	3.984	ng		
33) 4-Chloroaniline	8.245	127	87880	7.893	ng		95
34) Hexachlorobutadiene	8.310	225	38165	8.351	ng		95
35) Caprolactam	8.581	113	18605	7.583	ng	#	76
36) 4-Chloro-3-methylphenol	8.716	107	63872	7.815	ng		97
37) 2-Methylnaphthalene	8.887	142	142361	8.048	ng		96
38) 1-Methylnaphthalene	8.987	142	132162	7.723	ng		100
40) 1,2,4,5-Tetrachloroben...	9.051	216	62590	8.504	ng		97
41) Hexachlorocyclopentadiene	9.040	237	27623	8.514	ng		96
43) 2,4,6-Trichlorophenol	9.163	196	40025	7.441	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	44147	7.566	ng		95
46) 1,1'-Biphenyl	9.351	154	174636	8.429	ng		98
47) 2-Chloronaphthalene	9.381	162	132322	7.974	ng		97
48) 2-Nitroaniline	9.469	65	41556	7.456	ng		97
49) Acenaphthylene	9.792	152	216223	8.485	ng		99
50) Dimethylphthalate	9.645	163	154325	8.012	ng		99
51) 2,6-Dinitrotoluene	9.710	165	33596	7.790	ng		92
52) Acenaphthene	9.963	154	129697	7.842	ng		99
53) 3-Nitroaniline	9.881	138	37350	7.278	ng		96
54) 2,4-Dinitrophenol	9.986	184	10867	4.979	ng	#	85
55) Dibenzofuran	10.139	168	190508	8.289	ng		99
56) 4-Nitrophenol	10.034	139	25008	6.673	ng		84
57) 2,4-Dinitrotoluene	10.116	165	44937	7.948	ng		89
58) Fluorene	10.481	166	148441	8.092	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	32234m	7.166	ng		
60) Diethylphthalate	10.345	149	150309	8.111	ng		98
61) 4-Chlorophenyl-phenyle...	10.475	204	66046	8.230	ng		95
62) 4-Nitroaniline	10.492	138	35869	7.077	ng		97
63) Azobenzene	10.634	77	150655	7.858	ng		95
65) 4,6-Dinitro-2-methylph...	10.522	198	18418	6.136	ng		95
66) n-Nitrosodiphenylamine	10.592	169	128305	7.953	ng		96
67) 4-Bromophenyl-phenylether	10.963	248	41665	7.913	ng		92
68) Hexachlorobenzene	11.028	284	46695	8.097	ng		96
69) Atrazine	11.110	200	40944	8.304	ng		94
70) Pentachlorophenol	11.222	266	19615	6.187	ng		95
71) Phenanthrene	11.445	178	217526	8.121	ng		98
72) Anthracene	11.498	178	219381	8.266	ng		99
73) Carbazole	11.651	167	200983	8.118	ng		98
74) Di-n-butylphthalate	11.975	149	226161	7.906	ng		99
75) Fluoranthene	12.639	202	221403	8.111	ng		98
77) Benzidine	12.757	184	113648	7.755	ng		99
78) Pyrene	12.869	202	225392	7.166	ng		98
80) Butylbenzylphthalate	13.480	149	85425	6.656	ng		99
81) Benzo(a)anthracene	14.057	228	183796	7.258	ng		99
82) 3,3'-Dichlorobenzidine	14.016	252	61587	7.409	ng	#	98
83) Chrysene	14.092	228	174823	7.315	ng		98
84) Bis(2-ethylhexyl)phtha...	14.033	149	107556	6.824	ng	#	99
85) Di-n-octyl phthalate	14.651	149	146432	6.492	ng		99
87) Indeno(1,2,3-cd)pyrene	17.068	276	120186	6.381	ng		98
88) Benzo(b)fluoranthene	15.116	252	149186	8.158	ng		98
89) Benzo(k)fluoranthene	15.145	252	141062	7.945	ng		97
90) Benzo(a)pyrene	15.492	252	128418	8.679	ng		100
91) Dibenzo(a,h)anthracene	17.080	278	104660	6.894	ng		100
92) Benzo(g,h,i)perylene	17.521	276	105052	6.660	ng		98

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

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