Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
Data File : BF131292.D
Acq On : 18 Nov 2022 10:11
Operator : CG\JU
Sample : N4955-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

Quant Time: Nov 21 00:58:58 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 21 00:46:51 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	80986	20.000	ng		0.00
21) Naphthalene-d8	8.257	136	288562	20.000	ng		0.00
39) Acenaphthene-d10	10.022	164	168472	20.000	ng		0.00
64) Phenanthrene-d10	11.522	188	320169	20.000	ng		0.00
76) Chrysene-d12	14.174	240	216886	20.000	ng		0.00
86) Perylene-d12	15.716	264	158093	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.575	112	462439	104.514	ng		0.00
7) Phenol-d6	6.581	99	587741	104.781	ng		0.00
23) Nitrobenzene-d5	7.534	82	434929	80.512	ng		0.00
42) 2,4,6-Tribromophenol	10.816	330	157295	104.882	ng		0.00
45) 2-Fluorobiphenyl	9.339	172	903548	76.600	ng		0.00
79) Terphenyl-d14	13.116	244	1049648	72.341	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.781	88	8525	4.167	ng		96
3) Pyridine	3.587	79	18791	3.297	ng		93
4) n-Nitrosodimethylamine	3.493	42	12825	3.626	ng	#	88
6) Aniline	6.628	93	30171	4.298	ng		98
8) 2-Chlorophenol	6.751	128	21313	4.352	ng		88
9) Benzaldehyde	6.516	77	19368	4.756	ng		95
10) Phenol	6.593	94	24530	3.951	ng		97
11) bis(2-Chloroethyl)ether	6.698	93	20266	4.056	ng		97
12) 1,3-Dichlorobenzene	6.910	146	24772	4.251	ng		91
13) 1,4-Dichlorobenzene	6.987	146	24041	4.058	ng		98
14) 1,2-Dichlorobenzene	7.140	146	22173	4.021	ng		96
15) Benzyl Alcohol	7.128	79	8718	1.825	ng	#	51
16) 2,2'-oxybis(1-Chloropr...	7.240	45	39526	4.178	ng		96
17) 2-Methylphenol	7.210	107	16229	3.790	ng		92
18) Hexachloroethane	7.487	117	8303	3.942	ng		95
19) n-Nitroso-di-n-propyla...	7.369	70	16134	3.999	ng		89
20) 3+4-Methylphenols	7.363	107	21836m	3.993	ng		
22) Acetophenone	7.375	105	32582	4.273	ng		97
24) Nitrobenzene	7.551	77	24423	4.467	ng		92
25) Isophorone	7.787	82	44469	4.312	ng		97
26) 2-Nitrophenol	7.869	139	5378	3.105	ng		97
27) 2,4-Dimethylphenol	7.904	122	19384m	4.780	ng		
28) bis(2-Chloroethoxy)met...	7.998	93	26306	4.566	ng		98
29) 2,4-Dichlorophenol	8.104	162	16370	3.770	ng		94
30) 1,2,4-Trichlorobenzene	8.198	180	21166	3.926	ng		95
31) Naphthalene	8.281	128	63897	4.084	ng		99
32) Benzoic acid	7.940	122	1875m	0.773	ng		
33) 4-Chloroaniline	8.322	127	25054	4.122	ng		94
34) Hexachlorobutadiene	8.392	225	14059	3.946	ng		95
35) Caprolactam	8.651	113	4663	3.857	ng	#	74
36) 4-Chloro-3-methylphenol	8.798	107	17313m	3.699	ng		
37) 2-Methylnaphthalene	8.975	142	43997	4.172	ng		94
38) 1-Methylnaphthalene	9.075	142	43047	4.213	ng		100
40) 1,2,4,5-Tetrachloroben...	9.134	216	23292	4.225	ng		98
41) Hexachlorocyclopentadiene	9.128	237	8665	3.634	ng		96
43) 2,4,6-Trichlorophenol	9.245	196	9424	2.875	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.287	196	14134	3.958	ng		92
46) 1,1'-Biphenyl	9.439	154	58878	4.526	ng		96
47) 2-Chloronaphthalene	9.463	162	43191	4.135	ng		94
48) 2-Nitroaniline	9.557	65	8548	2.961	ng	#	88
49) Acenaphthylene	9.881	152	67002	4.199	ng		98
50) Dimethylphthalate	9.734	163	51605	4.230	ng		99
51) 2,6-Dinitrotoluene	9.798	165	6659	3.323	ng		94
52) Acenaphthene	10.057	154	40531	4.071	ng		97
53) 3-Nitroaniline	9.969	138	7460	3.518	ng	#	97
54) 2,4-Dinitrophenol	10.069	184	1062	1.505	ng	#	50
55) Dibenzofuran	10.228	168	63673	4.411	ng		96
56) 4-Nitrophenol	10.116	139	3642	2.282	ng	#	83
57) 2,4-Dinitrotoluene	10.198	165	6987	2.884	ng		97
58) Fluorene	10.575	166	50026	4.364	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.339	232	9008	2.978	ng	#	92
60) Diethylphthalate	10.439	149	48462	4.164	ng		99
61) 4-Chlorophenyl-phenyle...	10.569	204	25610	4.407	ng		94
62) 4-Nitroaniline	10.575	138	7510	3.486	ng		96
63) Azobenzene	10.728	77	49226	4.072	ng		98
65) 4,6-Dinitro-2-methylph...	10.604	198	1851	1.668	ng		93
66) n-Nitrosodiphenylamine	10.681	169	40727	3.947	ng		97
67) 4-Bromophenyl-phenylether	11.063	248	15563	4.051	ng	#	84
68) Hexachlorobenzene	11.122	284	17249	4.138	ng		99
69) Atrazine	11.204	200	14787	4.493	ng		96
70) Pentachlorophenol	11.316	266	4374m	1.964	ng		
71) Phenanthrene	11.539	178	74497	4.208	ng		99
72) Anthracene	11.592	178	74256	4.289	ng		99
73) Carbazole	11.745	167	60710	4.171	ng		99
74) Di-n-butylphthalate	12.080	149	70881	4.033	ng		99
75) Fluoranthene	12.739	202	76376	4.157	ng		98
77) Benzidine	12.863	184	24465	4.987	ng		94
78) Pyrene	12.969	202	78199	3.747	ng		97
80) Butylbenzylphthalate	13.592	149	19314	3.060	ng		93
81) Benzo(a)anthracene	14.163	228	58879	3.851	ng		100
82) 3,3'-Dichlorobenzidine	14.127	252	15055	3.709	ng		94
83) Chrysene	14.198	228	57937	3.962	ng		98
84) Bis(2-ethylhexyl)phtha...	14.151	149	26354	3.587	ng		96
85) Di-n-octyl phthalate	14.780	149	30135	2.889	ng		96
87) Indeno(1,2,3-cd)pyrene	17.286	276	35133	2.930	ng		96
88) Benzo(b)fluoranthene	15.251	252	43620	4.100	ng		97
89) Benzo(k)fluoranthene	15.280	252	42911	3.946	ng		99
90) Benzo(a)pyrene	15.645	252	33229	3.804	ng		99
91) Dibenzo(a,h)anthracene	17.310	278	31221	3.164	ng	#	95
92) Benzo(g,h,i)perylene	17.762	276	31725	3.180	ng		98

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

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