Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012723\
Data File : BF132206.D
Acq On : 27 Jan 2023 19:23
Operator : CG\JU
Sample : N3980-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 28 04:01:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 28 02:25:45 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.078	152	218552	20.000	ng		0.00
21) Naphthalene-d8	8.366	136	793749	20.000	ng		0.00
39) Acenaphthene-d10	10.130	164	423695	20.000	ng		0.00
64) Phenanthrene-d10	11.630	188	790863	20.000	ng		0.00
76) Chrysene-d12	14.289	240	486728	20.000	ng		0.00
86) Perylene-d12	15.877	264	385271	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.695	112	1376617	104.801	ng		0.00
7) Phenol-d6	6.695	99	1705885	103.574	ng		0.00
23) Nitrobenzene-d5	7.642	82	1063138	70.121	ng		0.00
42) 2,4,6-Tribromophenol	10.925	330	458659	116.905	ng		0.00
45) 2-Fluorobiphenyl	9.442	172	1902284	66.064	ng		0.00
79) Terphenyl-d14	13.224	244	2103494	67.899	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.019	88	25188	3.810	ng		98
3) Pyridine	3.819	79	55007	3.029	ng		98
4) n-Nitrosodimethylamine	3.719	42	19643	3.232	ng	#	88
6) Aniline	6.742	93	86481m	3.750	ng		
8) 2-Chlorophenol	6.860	128	54672	4.151	ng		97
9) Benzaldehyde	6.631	77	46719	3.799	ng		96
10) Phenol	6.701	94	70409	4.106	ng		96
11) bis(2-Chloroethyl)ether	6.807	93	58020	3.923	ng		96
12) 1,3-Dichlorobenzene	7.019	146	63750	4.354	ng		99
13) 1,4-Dichlorobenzene	7.095	146	63139	4.325	ng		97
14) 1,2-Dichlorobenzene	7.248	146	59747	4.406	ng		98
15) Benzyl Alcohol	7.207	79	59314m	4.901	ng		
16) 2,2'-oxybis(1-Chloropr...	7.342	45	66562	3.963	ng		100
17) 2-Methylphenol	7.307	107	45787	3.823	ng		96
18) Hexachloroethane	7.595	117	22216	4.142	ng		93
19) n-Nitroso-di-n-propyla...	7.472	70	38761	3.910	ng		96
20) 3+4-Methylphenols	7.460	107	57730	3.836	ng		88
22) Acetophenone	7.478	105	84141	4.335	ng		98
24) Nitrobenzene	7.660	77	62204	3.968	ng		92
25) Isophorone	7.889	82	106945	3.668	ng		97
26) 2-Nitrophenol	7.972	139	21638	5.663	ng		94
27) 2,4-Dimethylphenol	7.995	122	46024	3.775	ng		97
28) bis(2-Chloroethoxy)met...	8.095	93	70725	3.940	ng		96
29) 2,4-Dichlorophenol	8.207	162	43967	3.862	ng		99
30) 1,2,4-Trichlorobenzene	8.301	180	53089	4.059	ng		97
31) Naphthalene	8.383	128	167967	4.277	ng		99
32) Benzoic acid	8.031	122	12065	8.550	ng		97
33) 4-Chloroaniline	8.425	127	67283	3.952	ng		97
34) Hexachlorobutadiene	8.501	225	33280	4.073	ng		96
35) Caprolactam	8.748	113	11576	3.591	ng		98
36) 4-Chloro-3-methylphenol	8.889	107	42878	3.678	ng		99
37) 2-Methylnaphthalene	9.078	142	109944	4.080	ng		100
38) 1-Methylnaphthalene	9.178	142	104302	4.173	ng		99
40) 1,2,4,5-Tetrachloroben...	9.242	216	56070	3.943	ng		98
41) Hexachlorocyclopentadiene	9.230	237	25628	3.548	ng		96
43) 2,4,6-Trichlorophenol	9.348	196	31224	3.599	ng		98

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LOD-MDL-SOIL-01-QT3-2022

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.383	196	34571	3.403	ng		97
46) 1,1'-Biphenyl	9.542	154	139743	4.280	ng		99
47) 2-Chloronaphthalene	9.572	162	107187	4.229	ng		94
48) 2-Nitroaniline	9.660	65	21696	3.188	ng	#	83
49) Acenaphthylene	9.989	152	157674	4.004	ng		98
50) Dimethylphthalate	9.830	163	115518	4.017	ng		98
51) 2,6-Dinitrotoluene	9.895	165	22354	3.659	ng		95
52) Acenaphthene	10.160	154	96519	3.987	ng		95
53) 3-Nitroaniline	10.066	138	22995	3.402	ng		97
54) 2,4-Dinitrophenol	10.172	184	4039	7.953	ng	#	1
55) Dibenzofuran	10.336	168	150625	4.153	ng		92
56) 4-Nitrophenol	10.207	139	13210	2.705	ng		98
57) 2,4-Dinitrotoluene	10.301	165	25055	3.332	ng		90
58) Fluorene	10.677	166	116191	4.194	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.448	232	24485	3.392	ng		99
60) Diethylphthalate	10.536	149	109307	3.900	ng		98
61) 4-Chlorophenyl-phenyle...	10.672	204	59298	4.058	ng	#	87
62) 4-Nitroaniline	10.677	138	21216	3.345	ng		89
63) Azobenzene	10.830	77	110813	3.746	ng		98
65) 4,6-Dinitro-2-methylph...	10.707	198	7253	6.897	ng		94
66) n-Nitrosodiphenylamine	10.783	169	96528	3.887	ng		99
67) 4-Bromophenyl-phenylether	11.166	248	33474	3.677	ng		98
68) Hexachlorobenzene	11.230	284	36880	4.088	ng		91
69) Atrazine	11.301	200	28630	4.017	ng		97
71) Phenanthrene	11.648	178	165741	4.120	ng		97
72) Anthracene	11.701	178	162831	3.974	ng		98
73) Carbazole	11.854	167	139578	3.966	ng		97
74) Di-n-butylphthalate	12.177	149	146508	3.659	ng		98
75) Fluoranthene	12.848	202	160177	3.913	ng		97
77) Benzidine	12.966	184	43287	3.407	ng		94
78) Pyrene	13.083	202	167027	3.663	ng		97
80) Butylbenzylphthalate	13.695	149	41350	4.342	ng		89
81) Benzo(a)anthracene	14.277	228	125280	3.661	ng		96
82) 3,3'-Dichlorobenzidine	14.236	252	30259	3.263	ng		100
83) Chrysene	14.313	228	120903	3.791	ng		97
84) Bis(2-ethylhexyl)phtha...	14.254	149	57633	3.590	ng		99
85) Di-n-octyl phthalate	14.889	149	59629	7.063	ng		99
87) Indeno(1,2,3-cd)pyrene	17.518	276	67536	2.651	ng		99
88) Benzo(b)fluoranthene	15.395	252	86268	3.646	ng		100
89) Benzo(k)fluoranthene	15.430	252	92383	3.784	ng		97
90) Benzo(a)pyrene	15.807	252	70531	3.158	ng		97
91) Dibenzo(a,h)anthracene	17.548	278	58783	2.823	ng		97
92) Benzo(g,h,i)perylene	18.024	276	59238	2.790	ng		98

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

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