Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041123\
Data File : BF132857.D
Acq On : 11 Apr 2023 19:12
Operator : CG\JU
Sample : 01627-01
Misc : LOD-MDL-SOIL 8ppm
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 12 04:17:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 12 04:14:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/12/2023
Supervised By :Jagrut Upadhyay 04/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	237398	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	917980	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	465165	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	847800	20.000	ng	0.00
76) Chrysene-d12	13.916	240	630669	20.000	ng	0.00
86) Perylene-d12	15.345	264	533925	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1521183	99.546	ng	0.00
7) Phenol-d6	6.398	99	1939161	98.391	ng	0.00
23) Nitrobenzene-d5	7.334	82	1337370	75.387	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	478461	115.737	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	2220912	75.529	ng	0.00
79) Terphenyl-d14	12.874	244	2441788	67.084	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.746	88	61	5.928	ng	# 100
3) Pyridine	3.222	79	129910	6.194	ng	98
4) n-Nitrosodimethylamine	3.116	42	67940	6.705	ng	# 96
6) Aniline	6.434	93	181017	7.106	ng	97
8) 2-Chlorophenol	6.551	128	117671	7.656	ng	94
9) Benzaldehyde	6.316	77	110456	9.338	ng	95
10) Phenol	6.410	94	168185m	7.579	ng	
11) bis(2-Chloroethyl)ether	6.504	93	121217	7.368	ng	99
12) 1,3-Dichlorobenzene	6.710	146	135309	7.978	ng	97
13) 1,4-Dichlorobenzene	6.787	146	134574	7.872	ng	98
14) 1,2-Dichlorobenzene	6.940	146	124174	7.735	ng	99
15) Benzyl Alcohol	6.904	79	112446	8.775	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.051	45	208947	7.607	ng	100
17) 2-Methylphenol	7.016	107	97434	6.952	ng	98
18) Hexachloroethane	7.287	117	44262	7.521	ng	95
19) n-Nitroso-di-n-propyla...	7.181	70	84118	7.497	ng	98
20) 3+4-Methylphenols	7.169	107	123791	7.391	ng	98
22) Acetophenone	7.175	105	177805	8.173	ng	99
24) Nitrobenzene	7.351	77	133400	7.421	ng	97
25) Isophorone	7.587	82	232588	7.353	ng	100
26) 2-Nitrophenol	7.663	139	43702	6.816	ng	98
27) 2,4-Dimethylphenol	7.698	122	103462	7.987	ng	99
28) bis(2-Chloroethoxy)met...	7.798	93	141836	7.557	ng	99
29) 2,4-Dichlorophenol	7.898	162	93045	7.566	ng	98
30) 1,2,4-Trichlorobenzene	7.992	180	106783	7.865	ng	98
31) Naphthalene	8.075	128	363709	7.764	ng	98
32) Benzoic acid	7.757	122	25174m	4.642	ng	
33) 4-Chloroaniline	8.116	127	133443	7.171	ng	96
34) Hexachlorobutadiene	8.198	225	55287	7.480	ng	98
35) Caprolactam	8.451	113	25648	7.857	ng	99
36) 4-Chloro-3-methylphenol	8.592	107	97137	7.404	ng	97
37) 2-Methylnaphthalene	8.763	142	239859	7.656	ng	100
38) 1-Methylnaphthalene	8.863	142	223949	7.664	ng	99
40) 1,2,4,5-Tetrachloroben...	8.928	216	100079	7.707	ng	99
41) Hexachlorocyclopentadiene	8.922	237	48435	6.929	ng	95
43) 2,4,6-Trichlorophenol	9.039	196	57636	7.225	ng	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.075	196	61703	6.549	ng		97
46) 1,1'-Biphenyl	9.228	154	304666	8.126	ng		100
47) 2-Chloronaphthalene	9.251	162	217124	7.911	ng		97
48) 2-Nitroaniline	9.339	65	42930	5.805	ng		96
49) Acenaphthylene	9.663	152	343498	7.742	ng		96
50) Dimethylphthalate	9.522	163	232445	7.738	ng		99
51) 2,6-Dinitrotoluene	9.581	165	44986	6.565	ng		94
52) Acenaphthene	9.833	154	220727	7.743	ng		98
53) 3-Nitroaniline	9.745	138	50173	6.329	ng		85
54) 2,4-Dinitrophenol	9.851	184	12983	4.483	ng	#	86
55) Dibenzofuran	10.004	168	308919	7.645	ng		97
56) 4-Nitrophenol	9.892	139	42834	6.855	ng		94
57) 2,4-Dinitrotoluene	9.981	165	53812	6.321	ng		98
58) Fluorene	10.351	166	244491	8.203	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.122	232	51425	7.167	ng		98
60) Diethylphthalate	10.228	149	199351	7.808	ng		99
61) 4-Chlorophenyl-phenyle...	10.345	204	111986	7.897	ng		98
62) 4-Nitroaniline	10.351	138	48792	6.444	ng		97
63) Azobenzene	10.504	77	248372	7.468	ng		98
65) 4,6-Dinitro-2-methylph...	10.386	198	17699	4.448	ng		94
66) n-Nitrosodiphenylamine	10.463	169	199386	7.707	ng		97
67) 4-Bromophenyl-phenylether	10.833	248	65523	7.281	ng		97
68) Hexachlorobenzene	10.898	284	72962	7.831	ng		96
69) Atrazine	10.986	200	51812	8.169	ng		97
70) Pentachlorophenol	11.086	266	36307	5.917	ng		98
71) Phenanthrene	11.310	178	365370	7.858	ng		99
72) Anthracene	11.357	178	366572	7.711	ng		99
73) Carbazole	11.510	167	317601	7.637	ng		98
74) Di-n-butylphthalate	11.857	149	205809	7.714	ng		99
75) Fluoranthene	12.492	202	341806	7.342	ng		99
77) Benzidine	12.616	184	41936m	10.066	ng		
78) Pyrene	12.722	202	360927	6.700	ng		99
80) Butylbenzylphthalate	13.345	149	15351	5.131	ng		92
81) Benzo(a)anthracene	13.904	228	307563	7.090	ng		98
82) 3,3'-Dichlorobenzidine	13.874	252	51539	7.485	ng		99
83) Chrysene	13.939	228	294285	6.892	ng		99
84) Bis(2-ethylhexyl)phtha...	13.916	149	29053	6.331	ng	#	99
85) Di-n-octyl phthalate	14.521	149	37993	5.083	ng		97
87) Indeno(1,2,3-cd)pyrene	16.733	276	166453	5.465	ng		98
88) Benzo(b)fluoranthene	14.933	252	242771	7.045	ng		99
89) Benzo(k)fluoranthene	14.963	252	260153	7.350	ng		96
90) Benzo(a)pyrene	15.280	252	195785	6.335	ng		98
91) Dibenzo(a,h)anthracene	16.751	278	139117	5.518	ng		97
92) Benzo(g,h,i)perylene	17.151	276	134888	5.253	ng		95

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

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