Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112222\
Data File : BF131323.D
Acq On : 22 Nov 2022 10:55
Operator : CG\JU
Sample : N4955-03
Misc : MDL-MDL-SOIL-4ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 03:41:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 03:40:59 2022
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	107838	20.000	ng		0.00
21) Naphthalene-d8	8.257	136	393835	20.000	ng	#	0.00
39) Acenaphthene-d10	10.016	164	237577	20.000	ng		-0.01
64) Phenanthrene-d10	11.516	188	456610	20.000	ng		0.00
76) Chrysene-d12	14.168	240	335214	20.000	ng	#	-0.01
86) Perylene-d12	15.709	264	238970	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.569	112	538200	94.986	ng		0.00
7) Phenol-d6	6.581	99	672355	93.004	ng		0.00
23) Nitrobenzene-d5	7.533	82	521557	66.756	ng		0.00
42) 2,4,6-Tribromophenol	10.810	330	214946	107.540	ng		0.00
45) 2-Fluorobiphenyl	9.333	172	1031102	63.140	ng		0.00
79) Terphenyl-d14	13.115	244	1256995	61.320	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.769	88	9401	3.480	ng		95
3) Pyridine	3.587	79	24425m	3.256	ng		
4) n-Nitrosodimethylamine	3.487	42	14423	3.261	ng	#	96
6) Aniline	6.622	93	35711	3.769	ng		98
8) 2-Chlorophenol	6.745	128	23954	3.732	ng		96
9) Benzaldehyde	6.516	77	22450	4.420	ng		90
10) Phenol	6.586	94	29890	3.729	ng		85
11) bis(2-Chloroethyl)ether	6.692	93	24907	3.709	ng		92
12) 1,3-Dichlorobenzene	6.904	146	28931	3.782	ng		96
13) 1,4-Dichlorobenzene	6.981	146	28013	3.604	ng		97
14) 1,2-Dichlorobenzene	7.133	146	26737	3.735	ng		97
15) Benzyl Alcohol	7.122	79	21182	3.573	ng	#	63
16) 2,2'-oxybis(1-Chloropr...	7.233	45	46050	3.586	ng		96
17) 2-Methylphenol	7.198	107	19784	3.616	ng		97
18) Hexachloroethane	7.481	117	10214	3.673	ng		93
19) n-Nitroso-di-n-propyla...	7.369	70	19380	3.662	ng		97
20) 3+4-Methylphenols	7.351	107	25536m	3.655	ng		
22) Acetophenone	7.369	105	38867	3.877	ng	#	97
24) Nitrobenzene	7.545	77	30737	3.776	ng		95
25) Isophorone	7.781	82	51925	3.725	ng		98
26) 2-Nitrophenol	7.863	139	7113	3.266	ng	#	92
27) 2,4-Dimethylphenol	7.892	122	21974	4.067	ng		92
28) bis(2-Chloroethoxy)met...	7.992	93	31265	3.949	ng		99
29) 2,4-Dichlorophenol	8.098	162	20473	3.493	ng		97
30) 1,2,4-Trichlorobenzene	8.192	180	25340	3.490	ng		96
31) Naphthalene	8.275	128	76486	3.644	ng		99
33) 4-Chloroaniline	8.316	127	30259	3.655	ng		98
34) Hexachlorobutadiene	8.392	225	16208	3.447	ng		100
35) Caprolactam	8.645	113	5705	3.704	ng	#	86
36) 4-Chloro-3-methylphenol	8.786	107	20194	3.316	ng		89
37) 2-Methylnaphthalene	8.969	142	51378	3.613	ng		97
38) 1-Methylnaphthalene	9.069	142	49879	3.617	ng		96
40) 1,2,4,5-Tetrachloroben...	9.133	216	27907	3.620	ng		98
41) Hexachlorocyclopentadiene	9.122	237	12051	3.477	ng		99
43) 2,4,6-Trichlorophenol	9.239	196	13584	3.106	ng		95
44) 2,4,5-Trichlorophenol	9.275	196	16109	3.275	ng		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.433	154	70021	3.862	ng		96
47) 2-Chloronaphthalene	9.457	162	52087	3.581	ng		98
48) 2-Nitroaniline	9.551	65	13514	3.060	ng		97
49) Acenaphthylene	9.874	152	79325	3.578	ng		99
50) Dimethylphthalate	9.727	163	60690	3.666	ng		99
51) 2,6-Dinitrotoluene	9.792	165	10792	3.260	ng	#	84
52) Acenaphthene	10.051	154	48422	3.488	ng		98
53) 3-Nitroaniline	9.963	138	10904	3.206	ng		96
55) Dibenzofuran	10.222	168	73442	3.677	ng		96
56) 4-Nitrophenol	10.104	139	6984	2.958	ng		91
57) 2,4-Dinitrotoluene	10.192	165	13072	3.138	ng	#	94
58) Fluorene	10.569	166	59980	3.848	ng		97
59) 2,3,4,6-Tetrachlorophenol	10.333	232	13625	3.327	ng		97
60) Diethylphthalate	10.433	149	58642	3.752	ng		100
61) 4-Chlorophenyl-phenyle...	10.563	204	32428	4.058	ng		92
62) 4-Nitroaniline	10.569	138	11044	3.262	ng		94
63) Azobenzene	10.722	77	60699	3.612	ng		96
66) n-Nitrosodiphenylamine	10.674	169	51004	3.506	ng		99
67) 4-Bromophenyl-phenylether	11.051	248	19591	3.501	ng		97
68) Hexachlorobenzene	11.116	284	21328	3.591	ng	#	88
69) Atrazine	11.198	200	17459	3.897	ng		98
70) Pentachlorophenol	11.304	266	7317	2.401	ng		85
71) Phenanthrene	11.533	178	91666	3.715	ng		99
72) Anthracene	11.586	178	91214	3.761	ng		99
73) Carbazole	11.739	167	77255	3.735	ng		98
74) Di-n-butylphthalate	12.074	149	88780	3.642	ng		99
75) Fluoranthene	12.733	202	95221	3.662	ng		97
77) Benzidine	12.857	184	32870	5.309	ng		96
78) Pyrene	12.963	202	98090	3.317	ng		97
80) Butylbenzylphthalate	13.586	149	25082	2.943	ng		96
81) Benzo(a)anthracene	14.157	228	79125	3.444	ng		96
82) 3,3'-Dichlorobenzidine	14.121	252	20205	3.314	ng		99
83) Chrysene	14.198	228	73502	3.261	ng		99
84) Bis(2-ethylhexyl)phtha...	14.145	149	34373	2.989	ng	#	99
85) Di-n-octyl phthalate	14.774	149	38597	2.225	ng		100
87) Indeno(1,2,3-cd)pyrene	17.274	276	41596	2.592	ng		96
88) Benzo(b)fluoranthene	15.245	252	52246	3.291	ng		96
89) Benzo(k)fluoranthene	15.280	252	56075	3.437	ng		99
90) Benzo(a)pyrene	15.639	252	43439	3.335	ng	#	96
91) Dibenzo(a,h)anthracene	17.303	278	36850	2.781	ng	#	93
92) Benzo(g,h,i)perylene	17.750	276	35316	2.670	ng		99

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

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