Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120824.D
Acq On : 10 Jul 2020 11:11
Operator : JU/CG
Sample : L3216-03
Misc : MDL-MDL-SOIL-4PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Manual Integrations APPROVED
mohammad
7/13/2020 1:04:25 PM

Quant Time: Jul 10 11:49:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 10 11:06:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	163768	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	622767	20.00	ng		0.00
39) Acenaphthene-d10	9.88	164	306382	20.00	ng		0.00
64) Phenanthrene-d10	11.37	188	539553	20.00	ng		0.00
76) Chrysene-d12	14.00	240	391018	20.00	ng		0.00
86) Perylene-d12	15.46	264	331436	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	1378030	129.89	ng		0.00
7) Phenol-d6	6.48	99	1703645	125.75	ng		0.00
23) Nitrobenzene-d5	7.41	82	827107	76.95	ng		0.00
42) 2,4,6-Tribromophenol	10.67	330	428276	139.14	ng		0.00
45) 2-Fluorobiphenyl	9.21	172	1452915	71.75	ng		0.00
79) Terphenyl-d14	12.96	244	1196381	59.90	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.59	88	18659	3.850	ng		99
3) Pyridine	3.43	79	34567	2.604	ng		97
4) n-Nitrosodimethylamine	3.27	42	22045m	3.320	ng		
6) Aniline	6.51	93	64349	3.698	ng		99
8) 2-Chlorophenol	6.63	128	41229	3.650	ng		98
9) Benzaldehyde	6.40	77	34938	4.336	ng		100
10) Phenol	6.49	94	52177	3.744	ng		92
11) bis(2-Chloroethyl)ether	6.58	93	41793	3.685	ng		96
12) 1,3-Dichlorobenzene	6.79	146	45354	3.648	ng		97
13) 1,4-Dichlorobenzene	6.86	146	46379	3.725	ng		97
14) 1,2-Dichlorobenzene	7.02	146	43423	3.665	ng		97
15) Benzyl Alcohol	6.98	79	45767m	4.496	ng		
16) 2,2'-oxybis(1-Chloropropan	7.12	45	60862	3.441	ng		100
17) 2-Methylphenol	7.09	107	32232	3.190	ng		98
18) Hexachloroethane	7.36	117	16260	3.474	ng		92
19) n-Nitroso-di-n-propylamine	7.25	70	28443	3.487	ng		98
20) 3+4-Methylphenols	7.24	107	40464	3.251	ng		98
22) Acetophenone	7.25	105	61633	3.982	ng	#	87
24) Nitrobenzene	7.42	77	48899	4.052	ng		95
25) Isophorone	7.66	82	76578	3.303	ng		94
26) 2-Nitrophenol	7.74	139	13064	2.961	ng		94
27) 2,4-Dimethylphenol	7.77	122	31224	3.374	ng		97
28) bis(2-Chloroethoxy)methane	7.87	93	48604	3.543	ng		96
29) 2,4-Dichlorophenol	7.97	162	28720	3.109	ng		95
30) 1,2,4-Trichlorobenzene	8.07	180	35444	3.416	ng		98
31) Naphthalene	8.15	128	123183	3.701	ng		97
32) Benzoic acid	7.82	122	7671	1.532	ng		96
33) 4-Chloroaniline	8.19	127	46106	3.265	ng	#	93
34) Hexachlorobutadiene	8.27	225	20587	3.299	ng		94
35) Caprolactam	8.52	113	7402	2.750	ng		89
36) 4-Chloro-3-methylphenol	8.66	107	30005	3.122	ng		93
37) 2-Methylnaphthalene	8.84	142	77517	3.583	ng		97
38) 1-Methylnaphthalene	8.94	142	73141	3.609	ng		98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	34652	3.742	ng		97

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	14051	2.568	ng		99
43) 2,4,6-Trichlorophenol	9.12	196	17873	2.833	ng		94
44) 2,4,5-Trichlorophenol	9.15	196	20044	2.862	ng	#	90
46) 1,1'-Biphenyl	9.30	154	99111	4.010	ng		98
47) 2-Chloronaphthalene	9.33	162	69427	3.507	ng		99
48) 2-Nitroaniline	9.42	65	16922	3.194	ng		90
49) Acenaphthylene	9.74	152	107784	3.472	ng		98
50) Dimethylphthalate	9.60	163	76055	3.403	ng		98
51) 2,6-Dinitrotoluene	9.66	165	13134	3.253	ng		89
52) Acenaphthene	9.92	154	65680	3.411	ng		97
53) 3-Nitroaniline	9.82	138	15401	3.087	ng		97
54) 2,4-Dinitrophenol	9.93	184	1655	1.241	ng	#	38
55) Dibenzofuran	10.09	168	99441	3.582	ng		99
56) 4-Nitrophenol	9.97	139	8814	2.406	ng	#	82
57) 2,4-Dinitrotoluene	10.06	165	14879	3.069	ng		98
58) Fluorene	10.43	166	74048	3.584	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.20	232	16026	3.076	ng		91
60) Diethylphthalate	10.30	149	74847	3.215	ng		98
61) 4-Chlorophenyl-phenylether	10.42	204	36510	3.515	ng		95
62) 4-Nitroaniline	10.43	138	14102	2.970	ng		99
63) Azobenzene	10.59	77	80480	3.379	ng		97
65) 4,6-Dinitro-2-methylphenol	10.46	198	3123	1.802	ng		99
66) n-Nitrosodiphenylamine	10.54	169	61699	3.412	ng		99
67) 4-Bromophenyl-phenylether	10.91	248	19208	3.069	ng	#	86
68) Hexachlorobenzene	10.97	284	20437	3.112	ng		96
69) Atrazine	11.06	200	15809	3.393	ng		94
70) Pentachlorophenol	11.17	266	7633	2.054	ng		91
71) Phenanthrene	11.39	178	105801	3.614	ng		98
72) Anthracene	11.44	178	101645	3.436	ng		97
73) Carbazole	11.59	167	92824	3.265	ng		99
74) Di-n-butylphthalate	11.93	149	94135	2.675	ng		99
75) Fluoranthene	12.57	202	99564	3.193	ng		98
77) Benzidine	12.70	184	30374	2.752	ng	#	90
78) Pyrene	12.80	202	104432	3.344	ng		96
80) Butylbenzylphthalate	13.43	149	28544	2.117	ng		97
81) Benzo(a)anthracene	13.99	228	85413	3.408	ng		99
82) 3,3'-Dichlorobenzidine	13.96	252	22411	2.650	ng		98
83) Chrysene	14.03	228	83881	3.281	ng		98
84) Bis(2-ethylhexyl)phthalate	13.99	149	45755	2.588	ng		99
85) Di-n-octyl phthalate	14.60	149	55365	1.770	ng	#	95
87) Indeno(1,2,3-cd)pyrene	16.90	276	61947	2.914	ng		96
88) Benzo(b)fluoranthene	15.03	252	66070	3.032	ng		96
89) Benzo(k)fluoranthene	15.06	252	65189	3.075	ng		97
90) Benzo(a)pyrene	15.40	252	54682	2.813	ng		99
91) Dibenzo(a,h)anthracene	16.92	278	50846	2.870	ng		96
92) Benzo(g,h,i)perylene	17.33	276	53302	3.292	ng		97

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

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