Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
Data File : BF120809.D
Acq On : 9 Jul 2020 10:36
Operator : JU/CG
Sample : L3216-01
Misc : LOD-MDL-SOIL-4PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2020

Manual Integrations APPROVED
mohammad
7/10/2020 11:47:32 AM

Quant Time: Jul 09 12:55:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 02 18:51:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	136779	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	514480	20.00	ng		0.00
39) Acenaphthene-d10	9.88	164	251987	20.00	ng		0.00
64) Phenanthrene-d10	11.37	188	447120	20.00	ng		0.00
76) Chrysene-d12	14.00	240	320705	20.00	ng		0.00
86) Perylene-d12	15.46	264	272507	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	1203598	135.83	ng		0.00
7) Phenol-d6	6.47	99	1479562	130.75	ng		0.00
23) Nitrobenzene-d5	7.41	82	692166	77.95	ng		0.00
42) 2,4,6-Tribromophenol	10.67	330	362437	143.17	ng		0.00
45) 2-Fluorobiphenyl	9.20	172	1263514	75.86	ng		0.00
79) Terphenyl-d14	12.96	244	1045983	63.86	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.59	88	16604	4.102	ng		96
3) Pyridine	3.42	79	31179	2.812	ng		99
4) n-Nitrosodimethylamine	3.27	42	17841	3.217	ng	#	93
6) Aniline	6.51	93	52923	3.642	ng		100
8) 2-Chlorophenol	6.63	128	34250	3.631	ng		98
9) Benzaldehyde	6.40	77	29282	4.351	ng		99
10) Phenol	6.49	94	43797	3.763	ng		98
11) bis(2-Chloroethyl)ether	6.58	93	34366	3.628	ng		99
12) 1,3-Dichlorobenzene	6.79	146	38034	3.663	ng		96
13) 1,4-Dichlorobenzene	6.86	146	38238	3.677	ng		99
14) 1,2-Dichlorobenzene	7.02	146	36007	3.639	ng		98
15) Benzyl Alcohol	6.98	79	39374m	4.631	ng		
16) 2,2'-oxybis(1-Chloropropan	7.12	45	50079	3.390	ng		99
17) 2-Methylphenol	7.09	107	27195	3.222	ng		96
18) Hexachloroethane	7.36	117	13628	3.486	ng		94
19) n-Nitroso-di-n-propylamine	7.25	70	22696	3.331	ng		96
20) 3+4-Methylphenols	7.24	107	33080	3.183	ng		95
22) Acetophenone	7.25	105	50958	3.985	ng		96
24) Nitrobenzene	7.42	77	40216	4.034	ng		92
25) Isophorone	7.66	82	61756	3.225	ng		98
26) 2-Nitrophenol	7.74	139	9678	2.655	ng		93
27) 2,4-Dimethylphenol	7.77	122	26875	3.516	ng		94
28) bis(2-Chloroethoxy)methane	7.87	93	40517	3.575	ng		96
29) 2,4-Dichlorophenol	7.97	162	24046	3.151	ng		96
30) 1,2,4-Trichlorobenzene	8.07	180	30135	3.516	ng		98
31) Naphthalene	8.15	128	103004	3.746	ng		99
33) 4-Chloroaniline	8.19	127	37321	3.199	ng	#	94
34) Hexachlorobutadiene	8.27	225	16319	3.166	ng		98
35) Caprolactam	8.52	113	5502	2.474	ng		99
36) 4-Chloro-3-methylphenol	8.66	107	24458	3.081	ng		95
37) 2-Methylnaphthalene	8.84	142	64114	3.587	ng		96
38) 1-Methylnaphthalene	8.94	142	60334	3.604	ng		97
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	28506	3.743	ng		99
41) Hexachlorocyclopentadiene	9.00	237	11866	2.637	ng		93

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) 2,4,6-Trichlorophenol	9.12	196	14473	2.789	ng		97
44) 2,4,5-Trichlorophenol	9.15	196	15807	2.745	ng		94
46) 1,1'-Biphenyl	9.30	154	82600	4.064	ng		99
47) 2-Chloronaphthalene	9.33	162	57137	3.509	ng		99
48) 2-Nitroaniline	9.42	65	13307	3.054	ng	#	80
49) Acenaphthylene	9.74	152	89505	3.506	ng		98
50) Dimethylphthalate	9.60	163	62378	3.393	ng		98
51) 2,6-Dinitrotoluene	9.66	165	10034	3.022	ng		92
52) Acenaphthene	9.92	154	52831	3.336	ng		97
53) 3-Nitroaniline	9.82	138	11835	2.885	ng		93
55) Dibenzofuran	10.09	168	82414	3.610	ng		99
56) 4-Nitrophenol	9.97	139	6779	2.250	ng		96
57) 2,4-Dinitrotoluene	10.06	165	11590	2.907	ng		98
58) Fluorene	10.43	166	60639	3.569	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.20	232	11944m	2.787	ng		
60) Diethylphthalate	10.30	149	61659	3.220	ng		99
61) 4-Chlorophenyl-phenylether	10.42	204	29626	3.468	ng		95
62) 4-Nitroaniline	10.43	138	10608	2.716	ng		97
63) Azobenzene	10.59	77	68395	3.492	ng		97
66) n-Nitrosodiphenylamine	10.54	169	51447	3.433	ng		99
67) 4-Bromophenyl-phenylether	10.92	248	16027	3.090	ng		98
68) Hexachlorobenzene	10.97	284	17771	3.265	ng		96
69) Atrazine	11.06	200	13017	3.372	ng		96
71) Phenanthrene	11.39	178	85583	3.528	ng		99
72) Anthracene	11.44	178	84828	3.460	ng		99
73) Carbazole	11.59	167	74578	3.166	ng		99
74) Di-n-butylphthalate	11.93	149	79454	2.724	ng		98
75) Fluoranthene	12.57	202	81533	3.155	ng		99
77) Benzidine	12.70	184	21952	2.425	ng	#	95
78) Pyrene	12.80	202	86865	3.391	ng		96
80) Butylbenzylphthalate	13.43	149	23339	2.111	ng		92
81) Benzo(a)anthracene	13.99	228	71576	3.482	ng		99
82) 3,3'-Dichlorobenzidine	13.96	252	18450	2.659	ng	#	96
83) Chrysene	14.03	228	70490	3.362	ng		98
84) Bis(2-ethylhexyl)phthalate	13.99	149	38360	2.645	ng	#	100
87) Indeno(1,2,3-cd)pyrene	16.90	276	50304	2.878	ng		98
88) Benzo(b)fluoranthene	15.03	252	54255	3.028	ng	#	95
89) Benzo(k)fluoranthene	15.06	252	55534m	3.186	ng		
90) Benzo(a)pyrene	15.40	252	44920	2.811	ng		98
91) Dibenzo(a,h)anthracene	16.93	278	41743	2.865	ng		99
92) Benzo(g,h,i)perylene	17.34	276	41811	3.140	ng		98

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

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