Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091720\
Data File : BF121602.D
Acq On : 17 Sep 2020 17:53
Operator : JU/CG
Sample : L4032-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMS

Manual Integrations APPROVED
mohammad
9/21/2020 10:32:20 AM

Quant Time: Sep 18 09:01:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 10 16:47:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	186703	20.00	ng		-0.01
21) Naphthalene-d8	8.10	136	717130	20.00	ng		-0.01
39) Acenaphthene-d10	9.86	164	368500	20.00	ng		0.00
64) Phenanthrene-d10	11.35	188	679602	20.00	ng		0.00
76) Chrysene-d12	13.98	240	424422	20.00	ng		-0.01
86) Perylene-d12	15.43	264	378211	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	1302845	103.70	ng		0.01
7) Phenol-d6	6.47	99	1685898	102.29	ng		0.00
23) Nitrobenzene-d5	7.39	82	1189291	89.04	ng		0.00
42) 2,4,6-Tribromophenol	10.65	330	547062	119.45	ng		0.00
45) 2-Fluorobiphenyl	9.19	172	2000652	82.23	ng		0.00
79) Terphenyl-d14	12.93	244	1952377	93.19	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.68	88	222398	38.533	ng		99
3) Pyridine	3.41	79	645453	40.453	ng		100
4) n-Nitrosodimethylamine	3.37	42	312819	42.267	ng		98
6) Aniline	6.49	93	517636	24.114	ng	#	87
8) 2-Chlorophenol	6.61	128	560580	43.826	ng		98
9) Benzaldehyde	6.37	77	246531	22.880	ng		98
10) Phenol	6.48	94	687825	39.189	ng		84
11) bis(2-Chloroethyl)ether	6.56	93	568955	43.011	ng		97
12) 1,3-Dichlorobenzene	6.76	146	588589	41.227	ng		98
13) 1,4-Dichlorobenzene	6.84	146	594142	41.446	ng		98
14) 1,2-Dichlorobenzene	6.99	146	570722	43.217	ng		100
15) Benzyl Alcohol	6.97	79	492684	43.979	ng		99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	859130	40.360	ng		93
17) 2-Methylphenol	7.09	107	461034	42.361	ng		95
18) Hexachloroethane	7.33	117	219104	42.686	ng		99
19) n-Nitroso-di-n-propylamine	7.25	70	388054	40.852	ng		98
20) 3+4-Methylphenols	7.24	107	528740	40.435	ng		96
22) Acetophenone	7.23	105	731608	40.210	ng		94
24) Nitrobenzene	7.41	77	607719	42.069	ng		96
25) Isophorone	7.65	82	1089697	40.529	ng		99
26) 2-Nitrophenol	7.72	139	293417	43.404	ng		95
27) 2,4-Dimethylphenol	7.76	122	493189	41.093	ng		99
28) bis(2-Chloroethoxy)methane	7.86	93	692625	41.612	ng		99
29) 2,4-Dichlorophenol	7.97	162	458752	41.967	ng		99
30) 1,2,4-Trichlorobenzene	8.05	180	485598	42.180	ng		100
31) Naphthalene	8.13	128	1556032	41.104	ng		100
32) Benzoic acid	7.91	122	364290	41.740	ng		98
33) 4-Chloroaniline	8.17	127	350486	21.358	ng		98
34) Hexachlorobutadiene	8.25	225	286457	42.391	ng		100
35) Caprolactam	8.56	113	153501m	42.168	ng		
36) 4-Chloro-3-methylphenol	8.67	107	495162	42.050	ng		98
37) 2-Methylnaphthalene	8.82	142	1020882	41.150	ng		100
38) 1-Methylnaphthalene	8.92	142	946835	41.008	ng		99
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	465471	40.438	ng		99

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Quant Time: Sep 18 09:01:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 10 16:47:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	494667	75.252	ng		100
43) 2,4,6-Trichlorophenol	9.10	196	333930	42.561	ng		99
44) 2,4,5-Trichlorophenol	9.15	196	347961	41.952	ng		96
46) 1,1'-Biphenyl	9.28	154	1209568	41.001	ng		100
47) 2-Chloronaphthalene	9.31	162	947020	40.737	ng		99
48) 2-Nitroaniline	9.40	65	329937	45.671	ng		99
49) Acenaphthylene	9.72	152	1476235	41.329	ng		100
50) Dimethylphthalate	9.59	163	1336276	50.032	ng		98
51) 2,6-Dinitrotoluene	9.65	165	261959	46.055	ng	#	87
52) Acenaphthene	9.90	154	1010593m	44.795	ng		
53) 3-Nitroaniline	9.82	138	171284	25.995	ng		94
54) 2,4-Dinitrophenol	9.92	184	249290	76.441	ng	#	90
55) Dibenzofuran	10.07	168	1286034	40.478	ng		99
56) 4-Nitrophenol	9.99	139	420897	80.097	ng		96
57) 2,4-Dinitrotoluene	10.05	165	338057	47.242	ng		96
58) Fluorene	10.41	166	988999	40.706	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.19	232	291788	43.272	ng		99
60) Diethylphthalate	10.29	149	1117569	42.917	ng		100
61) 4-Chlorophenyl-phenylether	10.40	204	487246	41.864	ng		96
62) 4-Nitroaniline	10.43	138	241183	36.864	ng		100
63) Azobenzene	10.56	77	1127366	40.654	ng		97
65) 4,6-Dinitro-2-methylphenol	10.46	198	170264	41.852	ng		94
66) n-Nitrosodiphenylamine	10.52	169	952181	40.839	ng		99
67) 4-Bromophenyl-phenylether	10.89	248	327613	42.341	ng		94
68) Hexachlorobenzene	10.96	284	368591	42.211	ng		96
69) Atrazine	11.05	200	230304	39.758	ng		98
70) Pentachlorophenol	11.15	266	391879	81.717	ng		99
71) Phenanthrene	11.37	178	1514921	40.913	ng		100
72) Anthracene	11.42	178	1537079	40.226	ng		100
73) Carbazole	11.57	167	1375545	39.892	ng		99
74) Di-n-butylphthalate	11.90	149	1660193	41.716	ng		100
75) Fluoranthene	12.56	202	1601096	40.507	ng		98
77) Benzidine	12.67	184	525009	37.313	ng		100
78) Pyrene	12.79	202	1573821	50.753	ng		99
80) Butylbenzylphthalate	13.40	149	651128	51.919	ng		96
81) Benzo(a)anthracene	13.97	228	1154806	43.008	ng		99
82) 3,3'-Dichlorobenzidine	13.93	252	318354	30.370	ng		99
83) Chrysene	14.01	228	1163806	42.802	ng		99
84) Bis(2-ethylhexyl)phthalate	13.96	149	829807	49.528	ng		99
85) Di-n-octyl phthalate	14.57	149	1339321	45.297	ng		99
87) Indeno(1,2,3-cd)pyrene	16.87	276	1236638	50.208	ng		99
88) Benzo(b)fluoranthene	15.02	252	1163299	46.010	ng		98
89) Benzo(k)fluoranthene	15.04	252	951179	41.082	ng	#	97
90) Benzo(a)pyrene	15.37	252	960489	44.690	ng		100
91) Dibenzo(a,h)anthracene	16.89	278	992053	48.386	ng		98
92) Benzo(g,h,i)perylene	17.32	276	1063789	52.783	ng		97

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

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