Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091720\
Data File : BF121603.D
Acq On : 17 Sep 2020 18:24
Operator : JU/CG
Sample : L4032-02MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-BORINGMSD

Manual Integrations APPROVED
mohammad
9/21/2020 10:32:23 AM

Quant Time: Sep 18 08:59:30 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	199376	20.00	ng		-0.01
21) Naphthalene-d8	8.11	136	779500	20.00	ng		0.00
39) Acenaphthene-d10	9.86	164	399269	20.00	ng		0.00
64) Phenanthrene-d10	11.35	188	708514	20.00	ng		0.00
76) Chrysene-d12	13.98	240	416358	20.00	ng		-0.01
86) Perylene-d12	15.43	264	382117	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	1373827	102.40	ng		0.02
7) Phenol-d6	6.47	99	1818985	103.35	ng		0.00
23) Nitrobenzene-d5	7.39	82	1288497	88.75	ng		0.00
42) 2,4,6-Tribromophenol	10.66	330	575266	115.93	ng		0.00
45) 2-Fluorobiphenyl	9.19	172	2127478	80.70	ng		0.00
79) Terphenyl-d14	12.93	244	1922311	93.54	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.69	88	233354	37.861	ng		99
3) Pyridine	3.42	79	685732	40.245	ng		100
4) n-Nitrosodimethylamine	3.38	42	333769	42.231	ng		99
6) Aniline	6.49	93	593231	25.879	ng	#	37
8) 2-Chlorophenol	6.62	128	605985	44.365	ng		95
9) Benzaldehyde	6.37	77	264515	22.989	ng		98
10) Phenol	6.48	94	735855	39.261	ng		79
11) bis(2-Chloroethyl)ether	6.56	93	612274	43.343	ng		98
12) 1,3-Dichlorobenzene	6.76	146	629898	41.316	ng		96
13) 1,4-Dichlorobenzene	6.84	146	635057	41.484	ng		98
14) 1,2-Dichlorobenzene	6.99	146	617483	43.786	ng		99
15) Benzyl Alcohol	6.97	79	543670	45.446	ng		99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	913510	40.187	ng		85
17) 2-Methylphenol	7.09	107	493117	42.429	ng		93
18) Hexachloroethane	7.33	117	236059	43.066	ng		98
19) n-Nitroso-di-n-propylamine	7.25	70	420771	41.481	ng		99
20) 3+4-Methylphenols	7.24	107	564557	40.430	ng		91
22) Acetophenone	7.23	105	781953	39.538	ng		95
24) Nitrobenzene	7.41	77	649270	41.349	ng		99
25) Isophorone	7.65	82	1191152	40.758	ng		99
26) 2-Nitrophenol	7.72	139	323163	43.946	ng		92
27) 2,4-Dimethylphenol	7.77	122	526958	40.394	ng		100
28) bis(2-Chloroethoxy)methane	7.86	93	750622	41.488	ng		99
29) 2,4-Dichlorophenol	7.97	162	493942	41.571	ng		99
30) 1,2,4-Trichlorobenzene	8.05	180	520720	41.612	ng		99
31) Naphthalene	8.13	128	1664037	40.440	ng		100
32) Benzoic acid	7.92	122	398518	41.964	ng		96
33) 4-Chloroaniline	8.17	127	397228	22.270	ng		98
34) Hexachlorobutadiene	8.25	225	311048	42.347	ng		99
35) Caprolactam	8.56	113	170277m	43.034	ng		
36) 4-Chloro-3-methylphenol	8.67	107	537118	41.963	ng		100
37) 2-Methylnaphthalene	8.82	142	1091136	40.463	ng		99
38) 1-Methylnaphthalene	8.92	142	1011876	40.319	ng		99
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	503019	40.332	ng		99

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Quant Time: Sep 18 08:59:30 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	463392	65.062 ng	99
43) 2,4,6-Trichlorophenol	9.10	196	362266	42.615 ng	100
44) 2,4,5-Trichlorophenol	9.15	196	374797	41.705 ng	94
46) 1,1'-Biphenyl	9.29	154	1279015	40.014 ng	99
47) 2-Chloronaphthalene	9.31	162	1013812	40.249 ng	100
48) 2-Nitroaniline	9.40	65	356626	45.562 ng	98
49) Acenaphthylene	9.73	152	1565354	40.447 ng	100
50) Dimethylphthalate	9.59	163	1434681	49.577 ng	99
51) 2,6-Dinitrotoluene	9.65	165	277484	45.025 ng	95
52) Acenaphthene	9.90	154	1042067m	42.630 ng	
53) 3-Nitroaniline	9.82	138	187237	26.226 ng	96
54) 2,4-Dinitrophenol	9.93	184	229880	66.405 ng	98
55) Dibenzofuran	10.07	168	1373014	39.885 ng	99
56) 4-Nitrophenol	9.99	139	451775	79.347 ng	98
57) 2,4-Dinitrotoluene	10.05	165	362975	46.815 ng	94
58) Fluorene	10.41	166	1046983	39.771 ng	99
59) 2,3,4,6-Tetrachlorophenol	10.19	232	314158	42.999 ng	97
60) Diethylphthalate	10.29	149	1189644	42.165 ng	100
61) 4-Chlorophenyl-phenylether	10.40	204	518824	41.142 ng	97
62) 4-Nitroaniline	10.43	138	253516	35.763 ng	99
63) Azobenzene	10.56	77	1185966	39.472 ng	98
65) 4,6-Dinitro-2-methylphenol	10.46	198	160326	38.464 ng	87
66) n-Nitrosodiphenylamine	10.52	169	1010153	41.557 ng	99
67) 4-Bromophenyl-phenylether	10.89	248	350881	43.497 ng	95
68) Hexachlorobenzene	10.96	284	386196	42.423 ng	98
69) Atrazine	11.05	200	238006	39.411 ng	98
70) Pentachlorophenol	11.16	266	409162	81.840 ng	99
71) Phenanthrene	11.37	178	1563530	40.503 ng	100
72) Anthracene	11.42	178	1579829	39.658 ng	100
73) Carbazole	11.58	167	1402748	39.021 ng	99
74) Di-n-butylphthalate	11.91	149	1716375	41.368 ng	100
75) Fluoranthene	12.56	202	1597556	38.768 ng	98
77) Benzidine	12.67	184	551345	39.944 ng	100
78) Pyrene	12.79	202	1554862	51.113 ng	100
80) Butylbenzylphthalate	13.40	149	653338	53.104 ng	96
81) Benzo(a)anthracene	13.97	228	1130707	42.926 ng	100
82) 3,3'-Dichlorobenzidine	13.93	252	365282	35.521 ng	99
83) Chrysene	14.01	228	1148792	43.069 ng	100
84) Bis(2-ethylhexyl)phthalate	13.96	149	831678	50.602 ng	100
85) Di-n-octyl phthalate	14.57	149	1346649	46.427 ng	99
87) Indeno(1,2,3-cd)pyrene	16.87	276	1280676	51.464 ng	98
88) Benzo(b)fluoranthene	15.02	252	1151824	45.090 ng	99
89) Benzo(k)fluoranthene	15.04	252	1001649m	42.819 ng	
90) Benzo(a)pyrene	15.37	252	981406	45.197 ng	100
91) Dibenzo(a,h)anthracene	16.90	278	1015921	49.043 ng	97
92) Benzo(g,h,i)perylene	17.32	276	1083499	53.212 ng	96

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

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