Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126311.D
Acq On : 21 Dec 2021 22:51
Operator : JU/CG
Sample : M5179-04MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EXCAVATION-BOTTOM-EASTMSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021

Quant Time: Dec 22 05:23:25 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.816	152	178263	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	785543	20.000	ng	#	0.00
39) Acenaphthene-d10	9.857	164	383451	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	603255	20.000	ng	#	0.01
76) Chrysene-d12	13.980	240	347217	20.000	ng	#	0.01
86) Perylene-d12	15.421	264	292469	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.440	112	1256561	103.806	ng		0.02
7) Phenol-d6	6.451	99	1670068	108.656	ng		0.00
23) Nitrobenzene-d5	7.381	82	1090290	75.170	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	337237	109.436	ng		0.01
45) 2-Fluorobiphenyl	9.181	172	1473468	67.395	ng		0.00
79) Terphenyl-d14	12.927	244	1251850	62.666	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.663	88	273096	46.218	ng	#	100
3) Pyridine	3.387	79	615346	39.215	ng	#	79
4) n-Nitrosodimethylamine	3.346	42	305814	50.709	ng	#	1
6) Aniline	6.481	93	658610	33.734	ng		97
8) 2-Chlorophenol	6.604	128	657227	53.540	ng		89
9) Benzaldehyde	6.363	77	467722	50.428	ng		95
10) Phenol	6.463	94	858155	49.739	ng		96
11) bis(2-Chloroethyl)ether	6.557	93	682048	50.929	ng		98
12) 1,3-Dichlorobenzene	6.757	146	594952	48.047	ng		96
13) 1,4-Dichlorobenzene	6.834	146	606900	48.535	ng		94
14) 1,2-Dichlorobenzene	6.987	146	588138	50.869	ng		96
15) Benzyl Alcohol	6.963	79	559062	49.825	ng		95
16) 2,2'-oxybis(1-Chloropr...	7.092	45	1102697	50.315	ng		92
17) 2-Methylphenol	7.075	107	567226	52.748	ng		98
18) Hexachloroethane	7.334	117	248731	50.569	ng		96
19) n-Nitroso-di-n-propyla...	7.240	70	457913	48.530	ng	#	73
20) 3+4-Methylphenols	7.228	107	590992	46.487	ng	#	78
22) Acetophenone	7.228	105	851623	47.106	ng	#	91
24) Nitrobenzene	7.398	77	715059	49.385	ng		90
25) Isophorone	7.645	82	1351824	49.355	ng	#	88
26) 2-Nitrophenol	7.716	139	346067	53.019	ng	#	81
27) 2,4-Dimethylphenol	7.757	122	604408	54.526	ng		97
28) bis(2-Chloroethoxy)met...	7.851	93	867255	48.159	ng	#	97
29) 2,4-Dichlorophenol	7.963	162	491079	49.839	ng		93
30) 1,2,4-Trichlorobenzene	8.045	180	481146	47.209	ng		99
31) Naphthalene	8.122	128	1770215	48.187	ng		99
32) Benzoic acid	7.904	122	456046	47.755	ng		95
33) 4-Chloroaniline	8.169	127	232233	15.140	ng		98
34) Hexachlorobutadiene	8.245	225	238888	47.724	ng		99
35) Caprolactam	8.557	113	198191m	80.935	ng		
36) 4-Chloro-3-methylphenol	8.663	107	608507	52.354	ng		91
37) 2-Methylnaphthalene	8.816	142	1155110	51.058	ng		99
38) 1-Methylnaphthalene	8.916	142	1061577	48.352	ng		95
40) 1,2,4,5-Tetrachloroben...	8.986	216	375145	45.329	ng	#	95
41) Hexachlorocyclopentadiene	8.975	237	453505	95.693	ng		96
43) 2,4,6-Trichlorophenol	9.092	196	293133	45.027	ng		92

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	310022	45.985	ng	#	92
46) 1,1'-Biphenyl	9.281	154	1319242	46.530	ng		97
47) 2-Chloronaphthalene	9.304	162	971893	45.560	ng		96
48) 2-Nitroaniline	9.398	65	387856	49.813	ng		89
49) Acenaphthylene	9.722	152	1533370	47.041	ng		98
50) Dimethylphthalate	9.586	163	1149106	47.308	ng		98
51) 2,6-Dinitrotoluene	9.645	165	263374	50.096	ng	#	85
52) Acenaphthene	9.892	154	1101563m	52.111	ng		
53) 3-Nitroaniline	9.810	138	161777	24.210	ng	#	80
54) 2,4-Dinitrophenol	9.922	184	270436	124.928	ng	#	87
55) Dibenzofuran	10.069	168	1294475	44.978	ng		99
56) 4-Nitrophenol	9.981	139	477730	98.974	ng		79
57) 2,4-Dinitrotoluene	10.051	165	343159	51.169	ng	#	96
58) Fluorene	10.410	166	920175	44.164	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	240075	48.027	ng	#	98
60) Diethylphthalate	10.286	149	1126271	46.140	ng		99
61) 4-Chlorophenyl-phenyle...	10.398	204	405359	43.210	ng		98
62) 4-Nitroaniline	10.428	138	303122	54.075	ng	#	74
63) Azobenzene	10.563	77	1330520	45.002	ng		85
65) 4,6-Dinitro-2-methylph...	10.457	198	167003	50.697	ng		93
66) n-Nitrosodiphenylamine	10.522	169	879443	45.425	ng		97
67) 4-Bromophenyl-phenylether	10.892	248	260231	45.964	ng		95
68) Hexachlorobenzene	10.957	284	311609	47.855	ng	#	85
69) Atrazine	11.051	200	271603	76.552	ng		96
70) Pentachlorophenol	11.151	266	330255	91.421	ng		91
71) Phenanthrene	11.369	178	1404145	45.097	ng		97
72) Anthracene	11.422	178	1462994	46.814	ng		98
73) Carbazole	11.575	167	1323418	44.967	ng		100
74) Di-n-butylphthalate	11.910	149	1725662	46.253	ng		100
75) Fluoranthene	12.557	202	1338626	47.718	ng		92
77) Benzidine	12.674	184	664396	121.372	ng		98
78) Pyrene	12.786	202	1360314	42.644	ng		97
80) Butylbenzylphthalate	13.404	149	691921	46.093	ng	#	80
81) Benzo(a)anthracene	13.968	228	882110	42.889	ng		99
82) 3,3'-Dichlorobenzidine	13.933	252	253102	26.937	ng		98
83) Chrysene	14.010	228	973926	45.576	ng		98
84) Bis(2-ethylhexyl)phtha...	13.963	149	770963	45.960	ng		99
85) Di-n-octyl phthalate	14.574	149	1497481	50.078	ng		99
87) Indeno(1,2,3-cd)pyrene	16.857	276	889432	45.593	ng		93
88) Benzo(b)fluoranthene	15.010	252	919032	52.298	ng		98
89) Benzo(k)fluoranthene	15.039	252	892043	53.064	ng	#	96
90) Benzo(a)pyrene	15.368	252	866562	59.331	ng	#	95
91) Dibenzo(a,h)anthracene	16.886	278	751536	47.391	ng		95
92) Benzo(g,h,i)perylene	17.292	276	728006	44.370	ng		93

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

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