Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021921\
Data File : BF123238.D
Acq On : 19 Feb 2021 21:44
Operator : JU/CG
Sample : M1434-03MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILEMSD

Manual Integrations APPROVED
mohammad
2/22/2021 2:10:12 PM

Quant Time: Feb 19 23:10:04 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 19 16:08:53 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.857	152	178283	20.00	ng	#	0.00
21) Naphthalene-d8	8.145	136	742238	20.00	ng	#	0.00
39) Acenaphthene-d10	9.904	164	385785	20.00	ng		0.00
64) Phenanthrene-d10	11.392	188	699310	20.00	ng	#	0.00
76) Chrysene-d12	14.051	240	499772	20.00	ng		0.00
86) Perylene-d12	15.515	264	401589	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1427745	115.27	ng		0.02
7) Phenol-d6	6.498	99	1791283	106.45	ng		0.00
23) Nitrobenzene-d5	7.422	82	1284030	79.19	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	461440	117.47	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	2033599	75.72	ng		0.00
79) Terphenyl-d14	12.986	244	2146001	82.57	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.804	88	196754	27.53	ng	#	78
3) Pyridine	3.516	79	301924	17.34	ng		94
4) n-Nitrosodimethylamine	3.445	42	308994	38.37	ng		90
6) Aniline	6.522	93	251643	12.66	ng	#	84
8) 2-Chlorophenol	6.645	128	587775	44.17	ng		91
9) Benzaldehyde	6.410	77	210260	20.78	ng		91
10) Phenol	6.510	94	742523	40.49	ng		96
11) bis(2-Chloroethyl)ether	6.598	93	645305	49.06	ng		95
12) 1,3-Dichlorobenzene	6.798	146	566712	40.94	ng	#	93
13) 1,4-Dichlorobenzene	6.875	146	578880	41.04	ng	#	94
14) 1,2-Dichlorobenzene	7.028	146	561525	42.79	ng		95
15) Benzyl Alcohol	7.004	79	580025	44.21	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.133	45	852578	47.26	ng		99
17) 2-Methylphenol	7.116	107	500738	44.74	ng		95
18) Hexachloroethane	7.375	117	228394	44.82	ng		99
19) n-Nitroso-di-n-propyla...	7.275	70	459860	45.94	ng		93
20) 3+4-Methylphenols	7.269	107	599474	40.79	ng	#	88
22) Acetophenone	7.269	105	818918	42.53	ng	#	90
24) Nitrobenzene	7.439	77	704826	41.23	ng		90
25) Isophorone	7.686	82	1304249	43.02	ng		97
26) 2-Nitrophenol	7.757	139	311034	43.43	ng		89
27) 2,4-Dimethylphenol	7.798	122	495871	44.73	ng		96
28) bis(2-Chloroethoxy)met...	7.892	93	779864	49.14	ng		99
29) 2,4-Dichlorophenol	8.004	162	477241	41.70	ng		94
30) 1,2,4-Trichlorobenzene	8.080	180	501065	40.26	ng		99
31) Naphthalene	8.163	128	1649812	40.56	ng		99
32) Benzoic acid	7.933	122	394539	48.25	ng		89
33) 4-Chloroaniline	8.210	127	147759	8.93	ng	#	93
34) Hexachlorobutadiene	8.280	225	276992	39.46	ng		96
35) Caprolactam	8.592	113	148225m	38.59	ng		
36) 4-Chloro-3-methylphenol	8.704	107	598749	44.01	ng		90
37) 2-Methylnaphthalene	8.857	142	1134817	41.88	ng		99
38) 1-Methylnaphthalene	8.957	142	1052950	41.55	ng		99
40) 1,2,4,5-Tetrachloroben...	9.027	216	468654	40.65	ng	#	97
41) Hexachlorocyclopentadiene	9.016	237	482883	89.41	ng		98
43) 2,4,6-Trichlorophenol	9.139	196	352743	43.15	ng		95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	361031	41.26	ng	#	90
46) 1,1'-Biphenyl	9.322	154	1370579	42.83	ng		99
47) 2-Chloronaphthalene	9.351	162	1047106	41.47	ng		100
48) 2-Nitroaniline	9.445	65	412899	45.64	ng	#	76
49) Acenaphthylene	9.769	152	1597914	41.72	ng		100
50) Dimethylphthalate	9.627	163	1313267	45.52	ng		99
51) 2,6-Dinitrotoluene	9.686	165	295540	44.45	ng	#	70
52) Acenaphthene	9.939	154	1167592m	44.21	ng		
53) 3-Nitroaniline	9.857	138	132050	17.89	ng	#	83
54) 2,4-Dinitrophenol	9.963	184	224051	64.15	ng	#	81
55) Dibenzofuran	10.116	168	1453095	40.64	ng		98
56) 4-Nitrophenol	10.027	139	485857	82.62	ng	#	67
57) 2,4-Dinitrotoluene	10.098	165	400401	44.78	ng		93
58) Fluorene	10.457	166	1154518	41.03	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	301752	43.23	ng	#	83
60) Diethylphthalate	10.333	149	1303871	45.64	ng		100
61) 4-Chlorophenyl-phenyle...	10.445	204	561403	41.91	ng		94
62) 4-Nitroaniline	10.480	138	278144	37.44	ng		97
63) Azobenzene	10.610	77	1435518	43.61	ng		98
65) 4,6-Dinitro-2-methylph...	10.504	198	169399	35.99	ng		75
66) n-Nitrosodiphenylamine	10.568	169	1037943	42.92	ng		99
67) 4-Bromophenyl-phenylether	10.939	248	334393	43.86	ng		96
68) Hexachlorobenzene	11.004	284	344981	42.96	ng	#	85
69) Atrazine	11.098	200	302830	39.63	ng		98
70) Pentachlorophenol	11.204	266	417323	82.30	ng		100
71) Phenanthrene	11.421	178	1740865	42.10	ng		100
72) Anthracene	11.474	178	1789334	43.36	ng		100
73) Carbazole	11.627	167	1560954	40.17	ng		99
74) Di-n-butylphthalate	11.957	149	2013653	46.35	ng		99
75) Fluoranthene	12.615	202	1814755	41.40	ng		99
77) Benzidine	12.727	184	106045	6.57	ng	#	95
78) Pyrene	12.845	202	1830375	46.91	ng		100
80) Butylbenzylphthalate	13.462	149	859173	52.09	ng		91
81) Benzo(a)anthracene	14.039	228	1453998	42.81	ng		98
82) 3,3'-Dichlorobenzidine	13.998	252	264192	23.40	ng	#	98
83) Chrysene	14.074	228	1423547	42.68	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1188470	52.34	ng		99
85) Di-n-octyl phthalate	14.639	149	1951504	50.31	ng		96
87) Indeno(1,2,3-cd)pyrene	17.003	276	1223271	44.08	ng	#	94
88) Benzo(b)fluoranthene	15.092	252	1279235	45.36	ng		99
89) Benzo(k)fluoranthene	15.121	252	1238215	48.42	ng		99
90) Benzo(a)pyrene	15.462	252	1084457	43.12	ng		99
91) Dibenzo(a,h)anthracene	17.027	278	1024995	43.05	ng		97
92) Benzo(g,h,i)perylene	17.456	276	1024841	46.73	ng		95

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

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