Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042921\
Data File : BF123762.D
Acq On : 29 Apr 2021 13:45
Operator : JU/CG
Sample : M1458-02
Misc : LOQ-SOIL-10PPM
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 29 14:08:00 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 29 11:58:47 2021
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2021

Manual Integrations APPROVED
mohammad
5/3/2021 10:47:47 AM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.810	152	210163	20.00	ng		0.00
21) Naphthalene-d8	8.092	136	773200	20.00	ng		# 0.00
39) Acenaphthene-d10	9.845	164	373813	20.00	ng		0.00
64) Phenanthrene-d10	11.333	188	751265	20.00	ng		0.00
76) Chrysene-d12	13.974	240	612412	20.00	ng		-0.01
86) Perylene-d12	15.433	264	522409	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	1163407	87.70	ng		0.00
7) Phenol-d6	6.440	99	1593015	87.17	ng		0.00
23) Nitrobenzene-d5	7.369	82	1040055	60.72	ng		0.00
42) 2,4,6-Tribromophenol	10.639	330	432293	92.90	ng		0.00
45) 2-Fluorobiphenyl	9.169	172	1627950	63.42	ng		0.00
79) Terphenyl-d14	12.922	244	1877332	59.03	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.505	88	43356	6.07	ng		98
3) Pyridine	3.263	79	177947	10.19	ng		92
4) n-Nitrosodimethylamine	3.175	42	115004	11.95	ng		91
6) Aniline	6.469	93	293724	13.90	ng		99
8) 2-Chlorophenol	6.593	128	174795	12.25	ng		98
9) Benzaldehyde	6.351	77	164956	18.65	ng		95
10) Phenol	6.451	94	242287	12.34	ng		98
11) bis(2-Chloroethyl)ether	6.540	93	176540	12.32	ng		98
12) 1,3-Dichlorobenzene	6.745	146	179378	12.44	ng		98
13) 1,4-Dichlorobenzene	6.822	146	183551	12.58	ng		98
14) 1,2-Dichlorobenzene	6.981	146	168924	11.93	ng		96
15) Benzyl Alcohol	6.945	79	182489	12.74	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.081	45	392973	12.89	ng		99
17) 2-Methylphenol	7.057	107	149879	12.33	ng		98
18) Hexachloroethane	7.322	117	72306	12.52	ng		98
19) n-Nitroso-di-n-propyla...	7.216	70	136216	12.07	ng		96
20) 3+4-Methylphenols	7.216	107	187510	12.12	ng	#	81
22) Acetophenone	7.210	105	266527	12.68	ng	#	94
24) Nitrobenzene	7.387	77	214703	12.03	ng		97
25) Isophorone	7.628	82	364077	11.34	ng		98
26) 2-Nitrophenol	7.704	139	87803	12.06	ng		97
27) 2,4-Dimethylphenol	7.745	122	154271	13.49	ng		97
28) bis(2-Chloroethoxy)met...	7.840	93	221104	13.51	ng		96
29) 2,4-Dichlorophenol	7.951	162	133354	11.83	ng		96
30) 1,2,4-Trichlorobenzene	8.034	180	149264	12.64	ng		98
31) Naphthalene	8.116	128	505818	12.70	ng		98
32) Benzoic acid	7.834	122	51380m	7.14	ng		
33) 4-Chloroaniline	8.163	127	211458	12.73	ng		93
34) Hexachlorobutadiene	8.234	225	86640	12.03	ng		95
35) Caprolactam	8.492	113	24651	6.23	ng	#	92
36) 4-Chloro-3-methylphenol	8.639	107	170838	12.15	ng		96
37) 2-Methylnaphthalene	8.804	142	329598	12.70	ng		99
38) 1-Methylnaphthalene	8.904	142	301378	12.36	ng		99
40) 1,2,4,5-Tetrachloroben...	8.969	216	141619	12.87	ng		99
41) Hexachlorocyclopentadiene	8.963	237	51762	11.86	ng		93
43) 2,4,6-Trichlorophenol	9.081	196	88515	11.68	ng		97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	92051	11.32	ng	98
46) 1,1'-Biphenyl	9.269	154	399460	13.04	ng	99
47) 2-Chloronaphthalene	9.292	162	297116	12.87	ng	98
48) 2-Nitroaniline	9.386	65	124459	12.24	ng	98
49) Acenaphthylene	9.710	152	491101	13.18	ng	98
50) Dimethylphthalate	9.563	163	341690	12.98	ng	100
51) 2,6-Dinitrotoluene	9.628	165	73339	12.05	ng	86
52) Acenaphthene	9.881	154	292065	12.86	ng	99
53) 3-Nitroaniline	9.792	138	89821	12.35	ng	97
54) 2,4-Dinitrophenol	9.904	184	38454	11.89	ng	95
55) Dibenzofuran	10.051	168	442982	12.90	ng	97
56) 4-Nitrophenol	9.963	139	58206	10.99	ng	89
57) 2,4-Dinitrotoluene	10.028	165	103845	12.51	ng	91
58) Fluorene	10.392	166	346287	13.12	ng	95
59) 2,3,4,6-Tetrachlorophenol	10.169	232	76663	11.91	ng	94
60) Diethylphthalate	10.269	149	371336	13.25	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	164652	13.39	ng	99
62) 4-Nitroaniline	10.404	138	90091	12.51	ng	97
63) Azobenzene	10.551	77	401765	12.47	ng	98
65) 4,6-Dinitro-2-methylph...	10.439	198	41453	8.91	ng	85
66) n-Nitrosodiphenylamine	10.504	169	303447	12.35	ng	98
67) 4-Bromophenyl-phenylether	10.881	248	96580	12.21	ng	91
68) Hexachlorobenzene	10.945	284	109307	12.14	ng	92
69) Atrazine	11.028	200	52874	7.12	ng	98
70) Pentachlorophenol	11.139	266	39615	8.63	ng	92
71) Phenanthrene	11.357	178	491341	12.47	ng	99
72) Anthracene	11.410	178	507957	12.97	ng	98
73) Carbazole	11.563	167	473919	11.97	ng	99
74) Di-n-butylphthalate	11.898	149	570677	12.84	ng	99
75) Fluoranthene	12.545	202	533400	12.41	ng	100
77) Benzidine	12.669	184	165175	10.42	ng	97
78) Pyrene	12.774	202	558548	11.75	ng	99
80) Butylbenzylphthalate	13.398	149	240757	11.86	ng	95
81) Benzo(a)anthracene	13.969	228	460226	12.40	ng	96
82) 3,3'-Dichlorobenzidine	13.927	252	90205	7.91	ng	98
83) Chrysene	14.004	228	460613	12.34	ng	97
84) Bis(2-ethylhexyl)phtha...	13.963	149	311055	12.33	ng	99
85) Di-n-octyl phthalate	14.574	149	501736	12.44	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	355528	11.69	ng	98
88) Benzo(b)fluoranthene	15.010	252	406281	11.54	ng	99
89) Benzo(k)fluoranthene	15.039	252	404864	12.05	ng	99
90) Benzo(a)pyrene	15.368	252	377327	12.53	ng	97
91) Dibenzo(a,h)anthracene	16.886	278	298640	11.63	ng	98
92) Benzo(g,h,i)perylene	17.304	276	285099	11.08	ng	99

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

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