Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071321\
Data File : BF124551.D
Acq On : 13 Jul 2021 18:04
Operator : JU/CG
Sample : M2940-02
Misc : LOQ-SOIL-10ppm
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations APPROVED
mohammad
7/14/2021 12:15:54 PM

Quant Time: Jul 13 18:28:24 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 13 14:57:42 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	7163	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	27912	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	15241	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	28032	20.000	ng		0.00
76) Chrysene-d12	14.092	240	17849	20.000	ng		0.00
86) Perylene-d12	15.586	264	13020	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.545	112	47802	115.623	ng		0.00
7) Phenol-d6	6.551	99	58498	116.312	ng		0.00
23) Nitrobenzene-d5	7.492	82	33493	75.749	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	14121	119.061	ng		0.00
45) 2-Fluorobiphenyl	9.286	172	80560	77.079	ng		0.00
79) Terphenyl-d14	13.045	244	85600	80.531	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.804	88	1309	9.680	ng	#	100
3) Pyridine	3.587	79	2412	6.954	ng		92
4) n-Nitrosodimethylamine	3.498	42	2684	9.521	ng		93
6) Aniline	6.592	93	5372	10.137	ng		96
8) 2-Chlorophenol	6.710	128	4149	8.951	ng		96
9) Benzaldehyde	6.475	77	2800	9.490	ng	#	84
10) Phenol	6.557	94	4411	8.983	ng		88
11) bis(2-Chloroethyl)ether	6.657	93	3655	9.601	ng		93
12) 1,3-Dichlorobenzene	6.869	146	4878m	9.616	ng		
13) 1,4-Dichlorobenzene	6.945	146	5192	10.020	ng		97
14) 1,2-Dichlorobenzene	7.098	146	4560	9.260	ng		92
15) Benzyl Alcohol	7.057	79	3666m	10.534	ng		
16) 2,2'-oxybis(1-Chloropr...	7.198	45	6381	9.725	ng		98
17) 2-Methylphenol	7.163	107	2898	8.542	ng		93
18) Hexachloroethane	7.439	117	1653	8.472	ng	#	76
19) n-Nitroso-di-n-propyla...	7.328	70	2538	8.976	ng	#	94
20) 3+4-Methylphenols	7.316	107	4489	10.050	ng	#	86
22) Acetophenone	7.328	105	6335	10.001	ng	#	97
24) Nitrobenzene	7.504	77	3939	8.984	ng		97
25) Isophorone	7.739	82	6774	8.346	ng		97
26) 2-Nitrophenol	7.822	139	2246	9.497	ng	#	90
27) 2,4-Dimethylphenol	7.845	122	4028	10.278	ng		93
28) bis(2-Chloroethoxy)met...	7.951	93	4586	9.686	ng		98
29) 2,4-Dichlorophenol	8.051	162	3824	9.460	ng		99
30) 1,2,4-Trichlorobenzene	8.145	180	4179	9.342	ng		97
31) Naphthalene	8.228	128	13427	9.301	ng		99
32) Benzoic acid	7.904	122	1866m	6.831	ng		
33) 4-Chloroaniline	8.269	127	5362	9.829	ng	#	97
34) Hexachlorobutadiene	8.345	225	2387	9.454	ng		96
35) Caprolactam	8.610	113	657	6.426	ng	#	83
36) 4-Chloro-3-methylphenol	8.739	107	3520	8.806	ng		96
37) 2-Methylnaphthalene	8.922	142	9261	9.507	ng		98
38) 1-Methylnaphthalene	9.022	142	8443	9.228	ng		98
40) 1,2,4,5-Tetrachloroben...	9.086	216	4034	9.924	ng		99
41) Hexachlorocyclopentadiene	9.075	237	2997	11.803	ng		93
43) 2,4,6-Trichlorophenol	9.192	196	2387	8.134	ng		92

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.227	196	2766	9.139	ng		87
46) 1,1'-Biphenyl	9.380	154	11766	10.165	ng		100
47) 2-Chloronaphthalene	9.410	162	8613	9.490	ng		97
48) 2-Nitroaniline	9.498	65	2156	9.879	ng		94
49) Acenaphthylene	9.822	152	13702	9.675	ng		98
50) Dimethylphthalate	9.675	163	10348	9.759	ng		97
51) 2,6-Dinitrotoluene	9.739	165	1963	9.391	ng		97
52) Acenaphthene	9.998	154	8536	9.426	ng		98
53) 3-Nitroaniline	9.904	138	2343	10.044	ng		98
54) 2,4-Dinitrophenol	10.010	184	695	6.372	ng	#	77
55) Dibenzofuran	10.169	168	12071	9.066	ng		97
56) 4-Nitrophenol	10.045	139	1542	7.942	ng	#	77
57) 2,4-Dinitrotoluene	10.139	165	2837	9.913	ng	#	90
58) Fluorene	10.510	166	9665	9.384	ng		97
59) 2,3,4,6-Tetrachlorophenol	10.280	232	2055	8.791	ng	#	88
60) Diethylphthalate	10.380	149	10774	9.718	ng		97
61) 4-Chlorophenyl-phenyle...	10.504	204	4828	10.328	ng		90
62) 4-Nitroaniline	10.516	138	2352	10.004	ng	#	84
63) Azobenzene	10.663	77	8902	9.185	ng		96
65) 4,6-Dinitro-2-methylph...	10.545	198	973	6.076	ng		91
66) n-Nitrosodiphenylamine	10.622	169	8088	8.861	ng		93
67) 4-Bromophenyl-phenylether	10.998	248	2587	8.925	ng		94
68) Hexachlorobenzene	11.057	284	2522	8.492	ng		91
69) Atrazine	11.139	200	2724	9.744	ng		95
70) Pentachlorophenol	11.245	266	1681	8.949	ng		91
71) Phenanthrene	11.474	178	13692	8.953	ng		100
72) Anthracene	11.527	178	14825	9.663	ng		99
73) Carbazole	11.680	167	12464	8.792	ng		99
74) Di-n-butylphthalate	12.010	149	17941	9.394	ng		98
75) Fluoranthene	12.663	202	14033	9.095	ng		98
77) Benzidine	12.786	184	7949	11.913	ng	#	96
78) Pyrene	12.892	202	14135	9.532	ng		97
80) Butylbenzylphthalate	13.510	149	6732	9.389	ng		89
81) Benzo(a)anthracene	14.080	228	11226	9.483	ng		98
82) 3,3'-Dichlorobenzidine	14.039	252	3974	12.816	ng	#	97
83) Chrysene	14.115	228	11100	9.788	ng		98
84) Bis(2-ethylhexyl)phtha...	14.068	149	8555	8.887	ng		99
85) Di-n-octyl phthalate	14.686	149	11388	8.175	ng	#	99
87) Indeno(1,2,3-cd)pyrene	17.092	276	7175	9.502	ng		90
88) Benzo(b)fluoranthene	15.145	252	8668	9.275	ng		95
89) Benzo(k)fluoranthene	15.174	252	8339m	9.725	ng		
90) Benzo(a)pyrene	15.515	252	7603	9.856	ng		95
91) Dibenzo(a,h)anthracene	17.109	278	5950	9.257	ng		94
92) Benzo(g,h,i)perylene	17.539	276	6176	9.842	ng		92

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

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