Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042821\
Data File : BF123757.D
Acq On : 28 Apr 2021 16:06
Operator : JU/CG
Sample : M1458-02
Misc : LOQ-SOIL-10PPM
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Apr 28 18:04:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 28 11:20:04 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.810	152	227505	20.00	ng		0.00
21) Naphthalene-d8	8.092	136	805579	20.00	ng		0.00
39) Acenaphthene-d10	9.851	164	396756	20.00	ng		0.00
64) Phenanthrene-d10	11.333	188	783454	20.00	ng		0.00
76) Chrysene-d12	13.974	240	667128	20.00	ng		-0.01
86) Perylene-d12	15.433	264	581101	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	1412695	98.37	ng		0.00
7) Phenol-d6	6.445	99	1919689	97.04	ng		0.00
23) Nitrobenzene-d5	7.369	82	1263280	70.79	ng		0.00
42) 2,4,6-Tribromophenol	10.639	330	516499	104.57	ng		0.00
45) 2-Fluorobiphenyl	9.169	172	1964497	72.11	ng		0.00
79) Terphenyl-d14	12.927	244	2292865	66.18	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.510	88	56445	7.30	ng		96
3) Pyridine	3.281	79	108780	5.75	ng		93
4) n-Nitrosodimethylamine	3.175	42	78173	7.51	ng		97
6) Aniline	6.469	93	196503	8.59	ng		98
8) 2-Chlorophenol	6.592	128	117047	7.58	ng		98
9) Benzaldehyde	6.357	77	116508	12.17	ng		96
10) Phenol	6.457	94	163064	7.67	ng		92
11) bis(2-Chloroethyl)ether	6.540	93	123192	7.94	ng		99
12) 1,3-Dichlorobenzene	6.745	146	122796	7.87	ng		97
13) 1,4-Dichlorobenzene	6.828	146	126292	8.00	ng		95
14) 1,2-Dichlorobenzene	6.981	146	117364	7.65	ng		98
15) Benzyl Alcohol	6.945	79	129757	8.37	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.081	45	266847	8.09	ng		98
17) 2-Methylphenol	7.057	107	99467	7.56	ng		99
18) Hexachloroethane	7.322	117	47338	7.57	ng		90
19) n-Nitroso-di-n-propyla...	7.216	70	95077	7.78	ng		99
20) 3+4-Methylphenols	7.216	107	132719	7.92	ng	#	82
22) Acetophenone	7.210	105	186271	8.51	ng		94
24) Nitrobenzene	7.387	77	148423	7.98	ng		99
25) Isophorone	7.622	82	246402	7.36	ng		98
26) 2-Nitrophenol	7.704	139	59292	7.82	ng		94
27) 2,4-Dimethylphenol	7.745	122	103045	8.65	ng		97
28) bis(2-Chloroethoxy)met...	7.839	93	149648	8.78	ng		96
29) 2,4-Dichlorophenol	7.951	162	88820	7.56	ng		95
30) 1,2,4-Trichlorobenzene	8.034	180	101007	8.21	ng		99
31) Naphthalene	8.116	128	343865	8.29	ng		98
32) Benzoic acid	7.822	122	20116	2.68	ng	#	85
33) 4-Chloroaniline	8.163	127	143075	8.27	ng		94
34) Hexachlorobutadiene	8.234	225	58725	7.83	ng		99
35) Caprolactam	8.492	113	31034	7.53	ng	#	90
36) 4-Chloro-3-methylphenol	8.639	107	113720	7.76	ng		94
37) 2-Methylnaphthalene	8.804	142	228477	8.45	ng		95
38) 1-Methylnaphthalene	8.904	142	203170	8.00	ng		100
40) 1,2,4,5-Tetrachloroben...	8.969	216	100169	8.58	ng		98
41) Hexachlorocyclopentadiene	8.963	237	52608	11.36	ng		97
43) 2,4,6-Trichlorophenol	9.081	196	59345	7.38	ng		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	64711	7.50	ng		96
46) 1,1'-Biphenyl	9.269	154	279772	8.61	ng		97
47) 2-Chloronaphthalene	9.292	162	200949	8.20	ng		97
48) 2-Nitroaniline	9.386	65	79953	7.41	ng		97
49) Acenaphthylene	9.710	152	334465	8.45	ng		99
50) Dimethylphthalate	9.563	163	233252	8.35	ng		99
51) 2,6-Dinitrotoluene	9.628	165	49447	7.65	ng		84
52) Acenaphthene	9.880	154	204652	8.49	ng		98
53) 3-Nitroaniline	9.792	138	60850	7.89	ng	#	98
54) 2,4-Dinitrophenol	9.904	184	73249	21.35	ng		91
55) Dibenzofuran	10.051	168	300307	8.24	ng		97
56) 4-Nitrophenol	9.963	139	67502	12.01	ng		90
57) 2,4-Dinitrotoluene	10.028	165	66039	7.50	ng		88
58) Fluorene	10.392	166	232808	8.31	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.169	232	48415	7.09	ng		98
60) Diethylphthalate	10.269	149	252237	8.48	ng		98
61) 4-Chlorophenyl-phenyle...	10.386	204	109453	8.38	ng		98
62) 4-Nitroaniline	10.404	138	59626	7.80	ng		98
63) Azobenzene	10.551	77	269279	7.88	ng		98
65) 4,6-Dinitro-2-methylph...	10.439	198	29768	6.13	ng	#	79
66) n-Nitrosodiphenylamine	10.504	169	208340	8.13	ng		96
67) 4-Bromophenyl-phenylether	10.880	248	65998	8.00	ng		95
68) Hexachlorobenzene	10.945	284	74088	7.89	ng		92
69) Atrazine	11.027	200	63557	8.20	ng		95
70) Pentachlorophenol	11.139	266	45796	9.57	ng		98
71) Phenanthrene	11.357	178	338798	8.24	ng		99
72) Anthracene	11.410	178	342479	8.38	ng		96
73) Carbazole	11.563	167	332801	8.06	ng		97
74) Di-n-butylphthalate	11.898	149	385277	8.31	ng		97
75) Fluoranthene	12.545	202	369307	8.24	ng		99
77) Benzidine	12.669	184	227380	13.16	ng		100
78) Pyrene	12.774	202	385299	7.44	ng		98
80) Butylbenzylphthalate	13.398	149	162072	7.33	ng		93
81) Benzo(a)anthracene	13.968	228	317927	7.86	ng		99
82) 3,3'-Dichlorobenzidine	13.927	252	119797	9.65	ng		98
83) Chrysene	14.004	228	327899	8.06	ng		96
84) Bis(2-ethylhexyl)phtha...	13.963	149	216927	7.89	ng		99
85) Di-n-octyl phthalate	14.574	149	351807	8.01	ng		97
87) Indeno(1,2,3-cd)pyrene	16.868	276	251055	7.42	ng		97
88) Benzo(b)fluoranthene	15.010	252	297750	7.60	ng		96
89) Benzo(k)fluoranthene	15.033	252	291185	7.79	ng		97
90) Benzo(a)pyrene	15.368	252	263770	7.88	ng		98
91) Dibenzo(a,h)anthracene	16.886	278	220376	7.71	ng		98
92) Benzo(g,h,i)perylene	17.304	276	211966	7.41	ng		100

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

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