Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042821\
Data File : BF123756.D
Acq On : 28 Apr 2021 12:05
Operator : JU/CG
Sample : M1458-02
Misc : LOQ-SOIL-5PPM
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Apr 28 12:24:56 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	224789	20.00	ng		0.00
21) Naphthalene-d8	8.092	136	826998	20.00	ng		0.00
39) Acenaphthene-d10	9.851	164	415400	20.00	ng		0.00
64) Phenanthrene-d10	11.333	188	811684	20.00	ng		0.00
76) Chrysene-d12	13.974	240	718230	20.00	ng		-0.01
86) Perylene-d12	15.433	264	650518	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	1791067	126.23	ng		0.00
7) Phenol-d6	6.445	99	2439443	124.81	ng		0.00
23) Nitrobenzene-d5	7.375	82	1565641	85.46	ng		0.00
42) 2,4,6-Tribromophenol	10.639	330	693038	134.02	ng		0.00
45) 2-Fluorobiphenyl	9.175	172	2353720	82.52	ng		0.00
79) Terphenyl-d14	12.927	244	2838634	76.11	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.516	88	38339	5.02	ng		94
3) Pyridine	3.322	79	77978	4.17	ng		93
4) n-Nitrosodimethylamine	3.187	42	53398	5.19	ng		96
6) Aniline	6.469	93	137011	6.06	ng		99
8) 2-Chlorophenol	6.592	128	84562	5.54	ng		95
9) Benzaldehyde	6.357	77	79873	8.44	ng		96
10) Phenol	6.457	94	113595	5.41	ng		99
11) bis(2-Chloroethyl)ether	6.545	93	84688	5.52	ng		94
12) 1,3-Dichlorobenzene	6.745	146	86295	5.60	ng		97
13) 1,4-Dichlorobenzene	6.828	146	88667	5.68	ng		94
14) 1,2-Dichlorobenzene	6.981	146	81966	5.41	ng		96
15) Benzyl Alcohol	6.945	79	98277	6.41	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.081	45	184794	5.67	ng		99
17) 2-Methylphenol	7.057	107	72399	5.57	ng		96
18) Hexachloroethane	7.322	117	33037	5.35	ng		99
19) n-Nitroso-di-n-propyla...	7.216	70	65779	5.45	ng		96
20) 3+4-Methylphenols	7.216	107	91817	5.55	ng	#	83
22) Acetophenone	7.210	105	133517	5.94	ng		96
24) Nitrobenzene	7.386	77	103703	5.43	ng		94
25) Isophorone	7.622	82	175276	5.10	ng		98
26) 2-Nitrophenol	7.704	139	40146	5.16	ng		95
27) 2,4-Dimethylphenol	7.745	122	71917	5.88	ng		93
28) bis(2-Chloroethoxy)met...	7.839	93	106313	6.07	ng		95
29) 2,4-Dichlorophenol	7.951	162	63102	5.23	ng		96
30) 1,2,4-Trichlorobenzene	8.033	180	70872	5.61	ng		95
31) Naphthalene	8.116	128	242112	5.69	ng		96
32) Benzoic acid	7.822	122	12261	1.59	ng		90
33) 4-Chloroaniline	8.163	127	101887	5.73	ng		93
34) Hexachlorobutadiene	8.233	225	41570	5.40	ng		98
35) Caprolactam	8.486	113	21289	5.03	ng	#	90
36) 4-Chloro-3-methylphenol	8.639	107	76779	5.10	ng		95
37) 2-Methylnaphthalene	8.804	142	159614	5.75	ng		99
38) 1-Methylnaphthalene	8.904	142	146263	5.61	ng		98
40) 1,2,4,5-Tetrachloroben...	8.969	216	68820	5.63	ng		98
41) Hexachlorocyclopentadiene	8.963	237	17297	3.57	ng		96
43) 2,4,6-Trichlorophenol	9.086	196	40752	4.84	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	44758	4.95	ng		95
46) 1,1'-Biphenyl	9.269	154	200624	5.90	ng		98
47) 2-Chloronaphthalene	9.292	162	143953	5.61	ng		98
48) 2-Nitroaniline	9.386	65	57301	5.07	ng		96
49) Acenaphthylene	9.710	152	238924	5.77	ng		99
50) Dimethylphthalate	9.563	163	164709	5.63	ng		98
51) 2,6-Dinitrotoluene	9.627	165	34639	5.12	ng		90
52) Acenaphthene	9.880	154	147031	5.83	ng		96
53) 3-Nitroaniline	9.792	138	41904	5.19	ng		98
54) 2,4-Dinitrophenol	9.904	184	7625	2.12	ng	#	68
55) Dibenzofuran	10.051	168	215391	5.64	ng		96
56) 4-Nitrophenol	9.963	139	25984	4.42	ng		88
57) 2,4-Dinitrotoluene	10.027	165	45853	4.97	ng	#	86
58) Fluorene	10.392	166	167798	5.72	ng		95
59) 2,3,4,6-Tetrachlorophenol	10.169	232	32008	4.47	ng		96
60) Diethylphthalate	10.269	149	180955	5.81	ng		99
61) 4-Chlorophenyl-phenyle...	10.386	204	80092	5.86	ng		94
62) 4-Nitroaniline	10.398	138	42168	5.27	ng		95
63) Azobenzene	10.551	77	191847	5.36	ng		98
65) 4,6-Dinitro-2-methylph...	10.439	198	16930	3.37	ng		93
66) n-Nitrosodiphenylamine	10.504	169	148592	5.60	ng		98
67) 4-Bromophenyl-phenylether	10.880	248	47819	5.59	ng		93
68) Hexachlorobenzene	10.945	284	54697	5.62	ng		95
69) Atrazine	11.027	200	45416	5.66	ng		94
70) Pentachlorophenol	11.139	266	16526	3.33	ng		97
71) Phenanthrene	11.357	178	244203	5.74	ng		99
72) Anthracene	11.410	178	255052	6.03	ng		98
73) Carbazole	11.563	167	247301	5.78	ng		98
74) Di-n-butylphthalate	11.898	149	282275	5.88	ng		97
75) Fluoranthene	12.545	202	269671	5.81	ng		99
77) Benzidine	12.668	184	165708	8.91	ng		98
78) Pyrene	12.774	202	282556	5.07	ng		97
80) Butylbenzylphthalate	13.398	149	117332	4.93	ng		93
81) Benzo(a)anthracene	13.962	228	237415	5.45	ng		98
82) 3,3'-Dichlorobenzidine	13.927	252	84726	6.34	ng	#	92
83) Chrysene	14.004	228	233285	5.33	ng		98
84) Bis(2-ethylhexyl)phtha...	13.962	149	161382	5.45	ng		96
85) Di-n-octyl phthalate	14.574	149	255998	5.41	ng		98
87) Indeno(1,2,3-cd)pyrene	16.868	276	199873	5.28	ng		96
88) Benzo(b)fluoranthene	15.004	252	220141	5.02	ng		95
89) Benzo(k)fluoranthene	15.033	252	214135	5.12	ng		97
90) Benzo(a)pyrene	15.368	252	203657	5.43	ng		98
91) Dibenzo(a,h)anthracene	16.886	278	165548	5.18	ng		97
92) Benzo(g,h,i)perylene	17.303	276	163149	5.09	ng		96

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

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