Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043021\
Data File : BF123767.D
Acq On : 30 Apr 2021 10:32
Operator : JU/CG
Sample : M1458-03
Misc : MDL-MDL-SOIL-4PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT1-2021

Quant Time: Apr 30 11:16:48 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 30 11:10:41 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.810	152	201039	20.00	ng		0.00
21) Naphthalene-d8	8.092	136	716237	20.00	ng		0.00
39) Acenaphthene-d10	9.845	164	356023	20.00	ng		0.00
64) Phenanthrene-d10	11.333	188	676496	20.00	ng		0.00
76) Chrysene-d12	13.974	240	563253	20.00	ng		-0.01
86) Perylene-d12	15.433	264	470148	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	1561479	123.05	ng		0.00
7) Phenol-d6	6.445	99	2119218	121.23	ng		0.00
23) Nitrobenzene-d5	7.369	82	1207181	76.09	ng		0.00
42) 2,4,6-Tribromophenol	10.639	330	573286	129.35	ng		0.00
45) 2-Fluorobiphenyl	9.169	172	1830961	74.89	ng		0.00
79) Terphenyl-d14	12.927	244	2032360	69.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.505	88	30329	4.44	ng		95
3) Pyridine	3.316	79	59885	3.58	ng	#	86
4) n-Nitrosodimethylamine	3.181	42	42544	4.62	ng	#	97
6) Aniline	6.469	93	104838	5.19	ng		98
8) 2-Chlorophenol	6.592	128	63912	4.68	ng		97
9) Benzaldehyde	6.357	77	62368	7.37	ng		98
10) Phenol	6.457	94	91401	4.87	ng		95
11) bis(2-Chloroethyl)ether	6.540	93	68176	4.97	ng		97
12) 1,3-Dichlorobenzene	6.745	146	69034	5.01	ng		95
13) 1,4-Dichlorobenzene	6.828	146	68626	4.92	ng		95
14) 1,2-Dichlorobenzene	6.981	146	63414	4.68	ng		99
15) Benzyl Alcohol	6.945	79	78294	5.71	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.087	45	146706	5.03	ng		98
17) 2-Methylphenol	7.057	107	55214	4.75	ng		98
18) Hexachloroethane	7.322	117	26732	4.84	ng		98
19) n-Nitroso-di-n-propyla...	7.216	70	49389	4.58	ng		95
20) 3+4-Methylphenols	7.216	107	69825	4.72	ng	#	68
22) Acetophenone	7.210	105	108841	5.59	ng	#	98
24) Nitrobenzene	7.387	77	84171	5.09	ng		96
25) Isophorone	7.622	82	135036	4.54	ng	#	97
26) 2-Nitrophenol	7.704	139	29875	4.43	ng		98
27) 2,4-Dimethylphenol	7.745	122	54806	5.17	ng		94
28) bis(2-Chloroethoxy)met...	7.839	93	82300	5.43	ng		97
29) 2,4-Dichlorophenol	7.951	162	48613	4.66	ng		95
30) 1,2,4-Trichlorobenzene	8.034	180	56173	5.13	ng		96
31) Naphthalene	8.116	128	192363	5.22	ng		99
32) Benzoic acid	7.845	122	10718	1.61	ng		93
33) 4-Chloroaniline	8.163	127	80384	5.22	ng		94
34) Hexachlorobutadiene	8.234	225	34328	5.15	ng		94
35) Caprolactam	8.486	113	15428	4.21	ng	#	77
36) 4-Chloro-3-methylphenol	8.639	107	60916	4.68	ng		95
37) 2-Methylnaphthalene	8.804	142	125841	5.24	ng		98
38) 1-Methylnaphthalene	8.904	142	112250	4.97	ng		98
40) 1,2,4,5-Tetrachloroben...	8.969	216	54827	5.23	ng		98
41) Hexachlorocyclopentadiene	8.963	237	10353	2.49	ng		93
43) 2,4,6-Trichlorophenol	9.081	196	31584	4.38	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	33361	4.31	ng		92
46) 1,1'-Biphenyl	9.269	154	155899	5.34	ng		98
47) 2-Chloronaphthalene	9.292	162	113820	5.18	ng		97
48) 2-Nitroaniline	9.386	65	42554	4.39	ng		98
49) Acenaphthylene	9.704	152	179936	5.07	ng		98
50) Dimethylphthalate	9.563	163	122461	4.88	ng		97
51) 2,6-Dinitrotoluene	9.628	165	25544	4.41	ng		89
52) Acenaphthene	9.881	154	108058	5.00	ng		96
53) 3-Nitroaniline	9.792	138	31115	4.49	ng		98
54) 2,4-Dinitrophenol	9.904	184	3816	1.24	ng	#	81
55) Dibenzofuran	10.051	168	167579	5.12	ng		94
56) 4-Nitrophenol	9.963	139	16098	3.19	ng		96
57) 2,4-Dinitrotoluene	10.028	165	34779	4.40	ng		90
58) Fluorene	10.392	166	128217	5.10	ng		97
59) 2,3,4,6-Tetrachlorophenol	10.169	232	26364	4.30	ng	#	90
60) Diethylphthalate	10.269	149	133045	4.98	ng		100
61) 4-Chlorophenyl-phenyle...	10.386	204	59771	5.10	ng		99
62) 4-Nitroaniline	10.398	138	29196	4.26	ng		95
63) Azobenzene	10.551	77	147607	4.81	ng		96
65) 4,6-Dinitro-2-methylph...	10.439	198	10883	2.60	ng		86
66) n-Nitrosodiphenylamine	10.504	169	109816	4.96	ng		99
67) 4-Bromophenyl-phenylether	10.880	248	36885	5.18	ng		90
68) Hexachlorobenzene	10.945	284	41757	5.15	ng	#	91
69) Atrazine	11.028	200	32608	4.87	ng		96
70) Pentachlorophenol	11.139	266	10520	2.55	ng		87
71) Phenanthrene	11.357	178	182972	5.16	ng		98
72) Anthracene	11.410	178	184252	5.22	ng		96
73) Carbazole	11.563	167	175265	4.92	ng		97
74) Di-n-butylphthalate	11.898	149	193394	4.83	ng		98
75) Fluoranthene	12.545	202	190928	4.93	ng		99
77) Benzidine	12.669	184	95370	6.54	ng		98
78) Pyrene	12.774	202	202502	4.63	ng		96
80) Butylbenzylphthalate	13.398	149	72709	3.89	ng		96
81) Benzo(a)anthracene	13.963	228	163328	4.79	ng		97
82) 3,3'-Dichlorobenzidine	13.927	252	56045	5.35	ng		96
83) Chrysene	14.004	228	167589	4.88	ng		95
84) Bis(2-ethylhexyl)phtha...	13.963	149	101382	4.37	ng	#	95
85) Di-n-octyl phthalate	14.574	149	150338	4.05	ng		100
87) Indeno(1,2,3-cd)pyrene	16.874	276	122491	4.47	ng		97
88) Benzo(b)fluoranthene	15.010	252	141383	4.46	ng		99
89) Benzo(k)fluoranthene	15.039	252	140760	4.66	ng		96
90) Benzo(a)pyrene	15.368	252	128738	4.75	ng		94
91) Dibenzo(a,h)anthracene	16.886	278	102890	4.45	ng		96
92) Benzo(g,h,i)perylene	17.309	276	100575	4.34	ng		98

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

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