Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071321\
Data File : BF124546.D
Acq On : 13 Jul 2021 14:35
Operator : JU/CG
Sample : M2940-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2021

Quant Time: Jul 13 15:00:34 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	8637	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	33909	20.000	ng		0.00
39) Acenaphthene-d10	9.969	164	18310	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	32340	20.000	ng		0.00
76) Chrysene-d12	14.092	240	21922	20.000	ng		0.00
86) Perylene-d12	15.586	264	15867	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.545	112	49481	99.258	ng		0.00
7) Phenol-d6	6.545	99	60928	100.469	ng		0.00
23) Nitrobenzene-d5	7.486	82	30531	56.838	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	14015	98.361	ng		0.00
45) 2-Fluorobiphenyl	9.286	172	71216	56.718	ng		0.00
79) Terphenyl-d14	13.045	244	73091	55.987	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.828	88	499	3.060	ng	#	100
3) Pyridine	3.628	79	743	1.777	ng	#	65
4) n-Nitrosodimethylamine	3.510	42	1001	2.945	ng		97
6) Aniline	6.592	93	2451	3.836	ng	#	90
8) 2-Chlorophenol	6.710	128	1964	3.514	ng		93
9) Benzaldehyde	6.475	77	1450	4.076	ng	#	86
10) Phenol	6.557	94	1966	3.321	ng		96
11) bis(2-Chloroethyl)ether	6.657	93	1815	3.954	ng		99
12) 1,3-Dichlorobenzene	6.939	146	2300	3.760	ng		97
13) 1,4-Dichlorobenzene	6.939	146	2300	3.681	ng		95
14) 1,2-Dichlorobenzene	7.098	146	2113	3.559	ng		90
15) Benzyl Alcohol	7.057	79	1733	4.130	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.192	45	2848	3.600	ng		75
17) 2-Methylphenol	7.157	107	1309	3.200	ng		91
18) Hexachloroethane	7.439	117	667	2.835	ng	#	68
19) n-Nitroso-di-n-propyla...	7.328	70	1196	3.508	ng	#	86
20) 3+4-Methylphenols	7.310	107	1935	3.593	ng	#	84
22) Acetophenone	7.328	105	2744	3.566	ng	#	93
24) Nitrobenzene	7.504	77	1782	3.346	ng	#	83
25) Isophorone	7.733	82	3281	3.327	ng		98
26) 2-Nitrophenol	7.816	139	825	2.871	ng	#	67
27) 2,4-Dimethylphenol	7.845	122	1677	3.522	ng		95
28) bis(2-Chloroethoxy)met...	7.951	93	2174	3.780	ng		95
29) 2,4-Dichlorophenol	8.051	162	1472	2.997	ng		93
30) 1,2,4-Trichlorobenzene	8.145	180	1627	2.994	ng		95
31) Naphthalene	8.228	128	6205	3.538	ng		99
32) Benzoic acid	7.886	122	504	1.519	ng	#	82
33) 4-Chloroaniline	8.269	127	2213	3.339	ng		94
34) Hexachlorobutadiene	8.345	225	908	2.960	ng		90
35) Caprolactam	8.604	113	258	2.077	ng	#	70
36) 4-Chloro-3-methylphenol	8.739	107	1624	3.344	ng		96
37) 2-Methylnaphthalene	8.922	142	4093	3.458	ng		93
38) 1-Methylnaphthalene	9.016	142	3581	3.222	ng		94
40) 1,2,4,5-Tetrachloroben...	9.080	216	1797	3.680	ng	#	94
41) Hexachlorocyclopentadiene	9.075	237	1208	3.960	ng		94
43) 2,4,6-Trichlorophenol	9.222	196	1159	3.287	ng		92

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.222	196	1159	3.187	ng		96
46) 1,1'-Biphenyl	9.386	154	5258	3.781	ng		91
47) 2-Chloronaphthalene	9.410	162	3849	3.530	ng		97
48) 2-Nitroaniline	9.498	65	732	2.792	ng		85
49) Acenaphthylene	9.822	152	6274	3.687	ng		99
50) Dimethylphthalate	9.675	163	4726	3.710	ng	#	97
51) 2,6-Dinitrotoluene	9.739	165	693	2.759	ng		94
52) Acenaphthene	9.998	154	3650	3.355	ng		97
53) 3-Nitroaniline	9.904	138	1015	3.622	ng	#	88
55) Dibenzofuran	10.169	168	5048	3.156	ng		97
56) 4-Nitrophenol	10.045	139	741	3.177	ng		95
57) 2,4-Dinitrotoluene	10.139	165	931	2.708	ng	#	67
58) Fluorene	10.510	166	4362	3.525	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.280	232	878	3.127	ng	#	77
60) Diethylphthalate	10.380	149	4474	3.359	ng		96
61) 4-Chlorophenyl-phenyle...	10.504	204	1960	3.490	ng	#	85
62) 4-Nitroaniline	10.510	138	883	3.126	ng		92
63) Azobenzene	10.663	77	3803	3.266	ng		99
65) 4,6-Dinitro-2-methylph...	10.545	198	188	1.018	ng	#	64
66) n-Nitrosodiphenylamine	10.621	169	3556	3.377	ng		92
67) 4-Bromophenyl-phenylether	10.992	248	1023	3.059	ng	#	85
68) Hexachlorobenzene	11.057	284	1241	3.622	ng		96
69) Atrazine	11.139	200	1091	3.383	ng		98
70) Pentachlorophenol	11.245	266	467	2.155	ng		93
71) Phenanthrene	11.474	178	6135	3.477	ng		97
72) Anthracene	11.527	178	6314	3.567	ng		97
73) Carbazole	11.674	167	5484	3.353	ng		93
74) Di-n-butylphthalate	12.010	149	8087	3.671	ng	#	96
75) Fluoranthene	12.663	202	6108	3.431	ng		95
77) Benzidine	12.780	184	3135	3.825	ng	#	93
78) Pyrene	12.892	202	6118	3.359	ng		98
80) Butylbenzylphthalate	13.510	149	2691	3.056	ng		98
81) Benzo(a)anthracene	14.115	228	4856	3.340	ng		99
82) 3,3'-Dichlorobenzidine	14.039	252	1679	4.409	ng	#	89
83) Chrysene	14.115	228	4856	3.487	ng		97
84) Bis(2-ethylhexyl)phtha...	14.068	149	3708	3.136	ng	#	92
85) Di-n-octyl phthalate	14.686	149	4924	2.878	ng	#	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	2813	3.057	ng	#	78
88) Benzo(b)fluoranthene	15.139	252	3885	3.411	ng	#	91
89) Benzo(k)fluoranthene	15.174	252	3427	3.280	ng		97
90) Benzo(a)pyrene	15.515	252	3224	3.429	ng	#	89
91) Dibenzo(a,h)anthracene	17.115	278	2175	2.777	ng	#	54
92) Benzo(g,h,i)perylene	17.545	276	2281	2.983	ng	#	47

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

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