Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080521\
Data File : BF124944.D
Acq On : 5 Aug 2021 10:36
Operator : JU/CG
Sample : M2262-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2021

Manual Integrations APPROVED
mohammad
8/6/2021 2:46:38 PM

Quant Time: Aug 05 11:10:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 04 17:59:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.834	152	7720	20.000	ng		0.00
21) Naphthalene-d8	8.116	136	29307	20.000	ng		# 0.00
39) Acenaphthene-d10	9.874	164	16332	20.000	ng		0.00
64) Phenanthrene-d10	11.357	188	29971	20.000	ng		# 0.00
76) Chrysene-d12	13.998	240	22811	20.000	ng		0.00
86) Perylene-d12	15.456	264	19275	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.451	112	50558	107.279	ng		0.00
7) Phenol-d6	6.469	99	63917	107.560	ng		0.00
23) Nitrobenzene-d5	7.398	82	36774	65.641	ng		0.00
42) 2,4,6-Tribromophenol	10.663	330	15821	108.430	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	75024	67.216	ng		0.00
79) Terphenyl-d14	12.945	244	92507	68.407	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.604	88	466	2.643	ng	#	100
3) Pyridine	3.446	79	391	0.954	ng	#	62
4) n-Nitrosodimethylamine	3.293	42	503	1.729	ng		84
6) Aniline	6.498	93	2872	4.575	ng		92
8) 2-Chlorophenol	6.622	128	1809	3.499	ng		87
9) Benzaldehyde	6.386	77	1578	4.881	ng	#	84
10) Phenol	6.481	94	2216	3.614	ng		99
11) bis(2-Chloroethyl)ether	6.575	93	1976	4.296	ng		96
12) 1,3-Dichlorobenzene	6.775	146	2109	3.748	ng		95
13) 1,4-Dichlorobenzene	6.851	146	2327	4.137	ng	#	93
14) 1,2-Dichlorobenzene	7.004	146	2077m	3.940	ng		
15) Benzyl Alcohol	6.975	79	1812	4.227	ng	#	88
16) 2,2'-oxybis(1-Chloropr...	7.110	45	2790	3.786	ng		75
17) 2-Methylphenol	7.081	107	1523	3.936	ng	#	86
18) Hexachloroethane	7.345	117	798	3.624	ng		94
19) n-Nitroso-di-n-propyla...	7.239	70	1293	3.667	ng	#	86
20) 3+4-Methylphenols	7.233	107	2011	3.915	ng	#	83
22) Acetophenone	7.239	105	2930	4.082	ng	#	94
24) Nitrobenzene	7.416	77	2144	3.955	ng		95
25) Isophorone	7.651	82	3334	3.487	ng	#	93
26) 2-Nitrophenol	7.733	139	872	3.168	ng	#	73
27) 2,4-Dimethylphenol	7.769	122	1647	4.221	ng		99
28) bis(2-Chloroethoxy)met...	7.863	93	2241	4.118	ng		97
29) 2,4-Dichlorophenol	7.975	162	1376	3.165	ng		97
30) 1,2,4-Trichlorobenzene	8.057	180	1796	3.686	ng		93
31) Naphthalene	8.139	128	6013	3.993	ng	#	95
32) Benzoic acid	7.769	122	1647	13.458	ng	#	18
33) 4-Chloroaniline	8.186	127	2292	4.085	ng	#	95
34) Hexachlorobutadiene	8.257	225	1077	3.702	ng	#	89
35) Caprolactam	8.516	113	283	2.451	ng		96
36) 4-Chloro-3-methylphenol	8.663	107	1633	3.591	ng		91
37) 2-Methylnaphthalene	8.828	142	3771	3.725	ng		96
38) 1-Methylnaphthalene	8.928	142	3677	3.882	ng		94
40) 1,2,4,5-Tetrachloroben...	8.998	216	1756	3.746	ng	#	97
43) 2,4,6-Trichlorophenol	9.110	196	954	3.057	ng		94
44) 2,4,5-Trichlorophenol	9.145	196	1016	3.216	ng		96

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	9.292	154	4838	3.975	ng		98
47)	2-Chloronaphthalene	9.322	162	3611	3.729	ng		93
48)	2-Nitroaniline	9.410	65	1065	3.744	ng	#	85
49)	Acenaphthylene	9.733	152	5677	3.860	ng	#	92
50)	Dimethylphthalate	9.586	163	4298	3.883	ng	#	88
51)	2,6-Dinitrotoluene	9.651	165	901	3.656	ng	#	91
52)	Acenaphthene	9.904	154	3194	3.582	ng		89
53)	3-Nitroaniline	9.822	138	1028	3.960	ng	#	79
55)	Dibenzofuran	10.074	168	5066	3.635	ng		95
56)	4-Nitrophenol	9.980	139	512	2.992	ng	#	81
57)	2,4-Dinitrotoluene	10.057	165	1154	3.449	ng		91
58)	Fluorene	10.422	166	4141	3.876	ng		97
59)	2,3,4,6-Tetrachlorophenol	10.198	232	724	3.055	ng	#	64
60)	Diethylphthalate	10.286	149	4518	3.978	ng		98
61)	4-Chlorophenyl-phenyle...	10.410	204	1999	3.962	ng	#	94
62)	4-Nitroaniline	10.427	138	863	3.424	ng	#	81
63)	Azobenzene	10.569	77	3886	3.499	ng		95
65)	4,6-Dinitro-2-methylph...	10.469	198	344	1.832	ng	#	22
66)	n-Nitrosodiphenylamine	10.527	169	3460	3.562	ng		97
67)	4-Bromophenyl-phenylether	10.904	248	1088	3.314	ng	#	80
68)	Hexachlorobenzene	10.969	284	1241	3.475	ng	#	78
69)	Atrazine	11.051	200	1083	3.710	ng		87
71)	Phenanthrene	11.380	178	6056	3.725	ng	#	94
72)	Anthracene	11.433	178	6350	3.893	ng	#	93
73)	Carbazole	11.586	167	5094	3.406	ng		98
74)	Di-n-butylphthalate	11.916	149	7217	3.797	ng	#	96
75)	Fluoranthene	12.568	202	6166	3.666	ng		99
77)	Benzidine	12.692	184	3104	5.086	ng		99
78)	Pyrene	12.798	202	6200	3.451	ng		97
80)	Butylbenzylphthalate	13.415	149	2898	3.624	ng		92
81)	Benzo(a)anthracene	13.986	228	5389	3.625	ng		97
82)	3,3'-Dichlorobenzidine	13.945	252	1845	4.708	ng	#	93
83)	Chrysene	14.021	228	5237	3.644	ng		99
84)	Bis(2-ethylhexyl)phtha...	13.974	149	3709	3.344	ng	#	92
85)	Di-n-octyl phthalate	14.586	149	6306	3.604	ng	#	99
87)	Indeno(1,2,3-cd)pyrene	16.915	276	3647	3.177	ng	#	92
88)	Benzo(b)fluoranthene	15.027	252	4919	3.635	ng	#	95
89)	Benzo(k)fluoranthene	15.057	252	4368	3.548	ng	#	90
90)	Benzo(a)pyrene	15.392	252	4361	3.784	ng		96
91)	Dibenzo(a,h)anthracene	16.927	278	3458	3.426	ng		95
92)	Benzo(g,h,i)perylene	17.350	276	3146	3.250	ng		91

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

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