Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080621\
Data File : BF124958.D
Acq On : 6 Aug 2021 11:59
Operator : JU/CG
Sample : M2262-03
Misc : MDL-MDL-SOIL 4ppm
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2021

Manual Integrations APPROVED
mohammad
8/9/2021 12:16:04 PM

Quant Time: Aug 06 12:30:59 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 06 11:27:24 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	6516	20.000	ng		# 0.00
21) Naphthalene-d8	8.110	136	24956	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	13778	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	24674	20.000	ng		0.00
76) Chrysene-d12	13.986	240	18776	20.000	ng		0.00
86) Perylene-d12	15.445	264	16005	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.445	112	44337	111.463	ng		0.00
7) Phenol-d6	6.457	99	57705	115.049	ng		0.00
23) Nitrobenzene-d5	7.392	82	33639	70.514	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	13584	110.356	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	66662	70.796	ng		0.00
79) Terphenyl-d14	12.939	244	82461	74.082	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.598	88	394	2.648	ng	#	100
6) Aniline	6.492	93	2533	4.781	ng		93
8) 2-Chlorophenol	6.610	128	1705	3.908	ng	#	69
9) Benzaldehyde	6.381	77	1496	5.482	ng		89
10) Phenol	6.469	94	1900	3.671	ng		95
11) bis(2-Chloroethyl)ether	6.563	93	1535	3.954	ng		86
12) 1,3-Dichlorobenzene	6.769	146	1862m	3.921	ng		
13) 1,4-Dichlorobenzene	6.845	146	1989	4.190	ng		97
14) 1,2-Dichlorobenzene	6.998	146	1760	3.956	ng		97
15) Benzyl Alcohol	6.969	79	1583	4.375	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.098	45	2784	4.476	ng		75
17) 2-Methylphenol	7.075	107	1400	4.286	ng		92
18) Hexachloroethane	7.339	117	739	3.976	ng	#	76
19) n-Nitroso-di-n-propyla...	7.233	70	1203	4.042	ng	#	89
20) 3+4-Methylphenols	7.228	107	1623	3.743	ng	#	70
22) Acetophenone	7.233	105	2604	4.261	ng	#	91
24) Nitrobenzene	7.410	77	1833	3.971	ng		89
25) Isophorone	7.645	82	3041	3.735	ng		98
26) 2-Nitrophenol	7.728	139	810	3.455	ng		92
27) 2,4-Dimethylphenol	7.757	122	1590	4.785	ng		92
28) bis(2-Chloroethoxy)met...	7.857	93	1965	4.240	ng	#	85
29) 2,4-Dichlorophenol	7.963	162	1222	3.301	ng		90
30) 1,2,4-Trichlorobenzene	8.051	180	1540	3.712	ng		97
31) Naphthalene	8.133	128	5277	4.116	ng	#	94
32) Benzoic acid	7.757	122	1590	14.262	ng	#	16
33) 4-Chloroaniline	8.180	127	2093	4.380	ng		99
34) Hexachlorobutadiene	8.245	225	905	3.653	ng	#	84
36) 4-Chloro-3-methylphenol	8.657	107	1217	3.143	ng		92
37) 2-Methylnaphthalene	8.822	142	3364	3.902	ng		91
38) 1-Methylnaphthalene	8.922	142	3156	3.912	ng		99
40) 1,2,4,5-Tetrachloroben...	8.986	216	1647	4.165	ng	#	86
43) 2,4,6-Trichlorophenol	9.098	196	925	3.514	ng		94
44) 2,4,5-Trichlorophenol	9.139	196	881	3.306	ng	#	95
46) 1,1'-Biphenyl	9.286	154	4540	4.422	ng		97
47) 2-Chloronaphthalene	9.310	162	3136	3.839	ng		96
48) 2-Nitroaniline	9.404	65	893	3.722	ng	#	84

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) Acenaphthylene	9.727	152	5236	4.220	ng		97
50) Dimethylphthalate	9.580	163	3824	4.096	ng	#	93
51) 2,6-Dinitrotoluene	9.645	165	819	3.939	ng		95
52) Acenaphthene	9.898	154	3148	4.185	ng		90
53) 3-Nitroaniline	9.810	138	878	4.009	ng	#	69
55) Dibenzofuran	10.069	168	4855	4.130	ng		98
56) 4-Nitrophenol	9.974	139	401	2.778	ng	#	85
57) 2,4-Dinitrotoluene	10.045	165	1113	3.943	ng		93
58) Fluorene	10.410	166	3700	4.105	ng		94
59) 2,3,4,6-Tetrachlorophenol	10.186	232	613	3.066	ng	#	69
60) Diethylphthalate	10.280	149	3720	3.882	ng		98
61) 4-Chlorophenyl-phenyle...	10.404	204	1753	4.118	ng		95
62) 4-Nitroaniline	10.422	138	783	3.683	ng		85
63) Azobenzene	10.563	77	3384	3.612	ng		92
66) n-Nitrosodiphenylamine	10.521	169	3117	3.898	ng		98
67) 4-Bromophenyl-phenylether	10.892	248	905	3.349	ng	#	66
68) Hexachlorobenzene	10.957	284	1246	4.238	ng		91
69) Atrazine	11.039	200	909	3.783	ng		89
71) Phenanthrene	11.374	178	5442	4.066	ng		96
72) Anthracene	11.421	178	5538	4.124	ng		97
73) Carbazole	11.580	167	4994	4.056	ng		97
74) Di-n-butylphthalate	11.910	149	6556	4.189	ng	#	96
75) Fluoranthene	12.557	202	5354	3.867	ng		94
77) Benzidine	12.680	184	2871	5.715	ng	#	93
78) Pyrene	12.786	202	5662	3.828	ng	#	93
80) Butylbenzylphthalate	13.404	149	2478	3.765	ng		88
81) Benzo(a)anthracene	13.974	228	4868	3.979	ng		96
82) 3,3'-Dichlorobenzidine	13.939	252	1918	5.946	ng	#	94
83) Chrysene	14.009	228	4453	3.765	ng		95
84) Bis(2-ethylhexyl)phtha...	13.962	149	3776	4.136	ng	#	93
85) Di-n-octyl phthalate	14.574	149	5614	3.898	ng	#	91
87) Indeno(1,2,3-cd)pyrene	16.892	276	3423	3.591	ng	#	82
88) Benzo(b)fluoranthene	15.015	252	4503m	4.007	ng		
89) Benzo(k)fluoranthene	15.045	252	4067	3.978	ng	#	97
90) Benzo(a)pyrene	15.380	252	3863	4.037	ng	#	85
91) Dibenzo(a,h)anthracene	16.903	278	2772	3.308	ng	#	74
92) Benzo(g,h,i)perylene	17.327	276	2539	3.159	ng		92

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

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