Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062220\
Data File : BM026489.D
Acq On : 22 Jun 2020 14:18
Operator : JU/CG
Sample : L2182-03
Misc : MDL-MDL-S-8PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT2-2020

Quant Time: Jun 22 17:45:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 10:20:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	99097	20.00	ng		0.00
21) Naphthalene-d8	10.14	136	419820	20.00	ng		0.00
39) Acenaphthene-d10	14.04	164	288661	20.00	ng		0.00
64) Phenanthrene-d10	16.80	188	653124	20.00	ng		0.00
76) Chrysene-d12	21.01	240	691589	20.00	ng		0.00
86) Perylene-d12	23.10	264	693250	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.02	112	894107	159.52	ng		0.00
7) Phenol-d6	6.59	99	1329262	163.78	ng		0.00
23) Nitrobenzene-d5	8.53	82	1001897	117.18	ng		0.00
42) 2,4,6-Tribromophenol	15.55	330	686525	196.34	ng		0.00
45) 2-Fluorobiphenyl	12.65	172	2170209	114.12	ng		0.00
79) Terphenyl-d14	19.46	244	4000026	112.27	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.00	88	19315	7.643	ng		92
3) Pyridine	3.40	79	46218	6.227	ng	#	94
4) n-Nitrosodimethylamine	3.32	42	29257	7.961	ng		86
6) Aniline	6.73	93	78471	7.371	ng		96
8) 2-Chlorophenol	6.96	128	47203	7.301	ng		94
9) Benzaldehyde	6.55	77	48562m	9.384	ng		
10) Phenol	6.62	94	62729	7.257	ng		86
11) bis(2-Chloroethyl)ether	6.83	93	51059	7.334	ng		95
12) 1,3-Dichlorobenzene	7.27	146	52136	7.284	ng		97
13) 1,4-Dichlorobenzene	7.42	146	52530	7.205	ng		98
14) 1,2-Dichlorobenzene	7.73	146	52414	7.360	ng		99
15) Benzyl Alcohol	7.64	79	46364	6.727	ng		97
16) 2,2'-oxybis(1-Chloropropan	7.93	45	99674	7.666	ng		97
17) 2-Methylphenol	7.85	107	40905	6.475	ng		93
18) Hexachloroethane	8.44	117	20002	7.244	ng		94
19) n-Nitroso-di-n-propylamine	8.19	70	48774	7.712	ng		93
20) 3+4-Methylphenols	8.17	107	54165	6.291	ng		95
22) Acetophenone	8.20	105	85568	7.927	ng	#	91
24) Nitrobenzene	8.57	77	71918	8.035	ng		97
25) Isophorone	9.10	82	123602	7.695	ng		100
26) 2-Nitrophenol	9.28	139	23660	6.679	ng	#	79
27) 2,4-Dimethylphenol	9.36	122	34263	6.127	ng		87
28) bis(2-Chloroethoxy)methane	9.59	93	71010	7.792	ng		99
29) 2,4-Dichlorophenol	9.82	162	42820	6.979	ng		98
30) 1,2,4-Trichlorobenzene	10.01	180	52460	7.797	ng		96
31) Naphthalene	10.19	128	162454	7.679	ng		99
33) 4-Chloroaniline	10.32	127	63348	6.865	ng		96
34) Hexachlorobutadiene	10.49	225	32530	7.659	ng		98
35) Caprolactam	11.10	113	15991	7.418	ng		92
36) 4-Chloro-3-methylphenol	11.46	107	55823	7.467	ng		94
37) 2-Methylnaphthalene	11.82	142	120680	8.005	ng		99
38) 1-Methylnaphthalene	12.04	142	114896	8.045	ng		97
40) 1,2,4,5-Tetrachlorobenzene	12.20	216	65945	8.025	ng		99
41) Hexachlorocyclopentadiene	12.18	237	35048	7.238	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) 2,4,6-Trichlorophenol	12.46	196	37387	6.722	ng		100
44) 2,4,5-Trichlorophenol	12.53	196	39951	6.188	ng		96
46) 1,1'-Biphenyl	12.86	154	165458	8.176	ng		98
47) 2-Chloronaphthalene	12.90	162	120566	7.335	ng		98
48) 2-Nitroaniline	13.12	65	42408	6.510	ng		95
49) Acenaphthylene	13.76	152	195471	7.435	ng		99
50) Dimethylphthalate	13.52	163	161561	7.652	ng		100
51) 2,6-Dinitrotoluene	13.63	165	34100	7.360	ng		99
52) Acenaphthene	14.10	154	119626	7.579	ng		98
53) 3-Nitroaniline	13.96	138	29659	5.749	ng		96
54) 2,4-Dinitrophenol	14.19	184	38195	13.565	ng		91
55) Dibenzofuran	14.44	168	197802	7.778	ng		99
56) 4-Nitrophenol	14.30	139	50865	12.433	ng		91
57) 2,4-Dinitrotoluene	14.43	165	46175	7.168	ng	#	86
58) Fluorene	15.10	166	155444	7.525	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.69	232	41131	7.449	ng		98
60) Diethylphthalate	14.90	149	166171	7.727	ng		99
61) 4-Chlorophenyl-phenylether	15.10	204	81597	7.447	ng		98
62) 4-Nitroaniline	15.14	138	28459m	5.173	ng		
63) Azobenzene	15.40	77	183057	7.780	ng		97
65) 4,6-Dinitro-2-methylphenol	15.21	198	23220	5.846	ng		98
66) n-Nitrosodiphenylamine	15.32	169	138001	7.294	ng		100
67) 4-Bromophenyl-phenylether	16.00	248	49166	6.838	ng		92
68) Hexachlorobenzene	16.11	284	57904	7.718	ng		99
69) Atrazine	16.29	200	55008	9.732	ng		98
70) Pentachlorophenol	16.47	266	25043	5.543	ng		98
71) Phenanthrene	16.84	178	265313	7.801	ng		98
72) Anthracene	16.93	178	250619	7.383	ng		99
73) Carbazole	17.21	167	226909	7.049	ng		99
74) Di-n-butylphthalate	17.79	149	277176	7.301	ng		99
75) Fluoranthene	18.87	202	312865	8.023	ng		99
77) Benzidine	19.07	184	96128	6.692	ng		99
78) Pyrene	19.23	202	326046	7.135	ng		99
80) Butylbenzylphthalate	20.17	149	125397	6.786	ng		100
81) Benzo(a)anthracene	21.00	228	334569	8.060	ng		100
82) 3,3'-Dichlorobenzidine	20.94	252	115365	8.982	ng		99
83) Chrysene	21.04	228	323058	8.166	ng		99
84) Bis(2-ethylhexyl)phthalate	20.96	149	197729	7.504	ng		100
85) Di-n-octyl phthalate	21.81	149	323114	7.949	ng		96
87) Indeno(1,2,3-cd)pyrene	25.13	276	295868	7.378	ng		99
88) Benzo(b)fluoranthene	22.49	252	317400	7.611	ng		100
89) Benzo(k)fluoranthene	22.53	252	313229	7.731	ng		99
90) Benzo(a)pyrene	23.01	252	271525	7.331	ng		98
91) Dibenzo(a,h)anthracene	25.14	278	250094	7.470	ng		98
92) Benzo(g,h,i)perylene	25.74	276	239799	7.527	ng		99

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

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