Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062419\
Data File : BM021143.D
Acq On : 24 Jun 2019 11:23
Operator : HP/JU
Sample : K2241-01
Misc : LOD-SOIL-5PPM
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2019

Manual Integrations APPROVED
mohammad
6/28/2019 8:25:52 AM

Quant Time: Jun 25 04:42:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM062019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 20 15:39:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	307745	20.00	ng		0.00
21) Naphthalene-d8	10.56	136	1279895	20.00	ng		0.00
39) Acenaphthene-d10	14.41	164	876837	20.00	ng		-0.01
64) Phenanthrene-d10	17.16	188	2166802	20.00	ng		0.00
76) Chrysene-d12	21.34	240	2059997	20.00	ng		0.00
87) Perylene-d12	23.62	264	1861280	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.36	112	2268222	133.46	ng		0.00
7) Phenol-d6	6.95	99	3188592	128.83	ng		0.00
23) Nitrobenzene-d5	8.94	82	2108422	85.85	ng		0.00
42) 2,4,6-Tribromophenol	15.91	330	2554901	155.28	ng		0.00
45) 2-Fluorobiphenyl	13.03	172	6259867	87.74	ng		0.00
79) Terphenyl-d14	19.79	244	10826332	98.16	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	30640	4.785	ng		95
3) Pyridine	3.73	79	78221	4.248	ng		96
4) n-Nitrosodimethylamine	3.64	42	28554	4.027	ng	#	88
6) Aniline	7.12	93	141463	4.291	ng		98
8) 2-Chlorophenol	7.34	128	96907	4.633	ng		99
9) Benzaldehyde	6.93	77	94024	2.908	ng		98
10) Phenol	6.97	94	116970	4.626	ng		97
11) bis(2-Chloroethyl)ether	7.21	93	89888	4.490	ng		96
12) 1,3-Dichlorobenzene	7.66	146	113832	4.492	ng		99
13) 1,4-Dichlorobenzene	7.81	146	114828	4.457	ng		97
14) 1,2-Dichlorobenzene	8.12	146	113679	4.502	ng		99
15) Benzyl Alcohol	8.02	79	81669	4.075	ng		97
16) 2,2'-oxybis(1-Chloropropan	8.30	45	117791	4.549	ng		99
17) 2-Methylphenol	8.21	107	78623	4.353	ng		98
18) Hexachloroethane	8.84	117	40596	4.388	ng		96
19) n-Nitroso-di-n-propylamine	8.58	70	79483	4.413	ng		98
20) 3+4-Methylphenols	8.54	107	105373	4.239	ng		99
22) Acetophenone	8.60	105	157772	4.837	ng		99
24) Nitrobenzene	8.97	77	125580	5.162	ng		96
25) Isophorone	9.50	82	215878	4.698	ng		98
26) 2-Nitrophenol	9.69	139	48954	4.110	ng		96
27) 2,4-Dimethylphenol	9.74	122	76359	4.395	ng		98
28) bis(2-Chloroethoxy)methane	9.98	93	132317	4.634	ng		99
29) 2,4-Dichlorophenol	10.21	162	100457	4.468	ng		100
30) 1,2,4-Trichlorobenzene	10.42	180	125558	4.737	ng		98
31) Naphthalene	10.61	128	338279	4.994	ng		99
32) Benzoic acid	9.82	122	47425m	3.374	ng		
33) 4-Chloroaniline	10.73	127	136958	4.454	ng		99
34) Hexachlorobutadiene	10.88	225	77289	4.618	ng		97
35) Caprolactam	11.53	113	28915	4.111	ng		97
36) 4-Chloro-3-methylphenol	11.85	107	106524	4.656	ng		99
37) 2-Methylnaphthalene	12.22	142	261817	5.024	ng		98
38) 1-Methylnaphthalene	12.45	142	251601	5.062	ng		99
40) 1,2,4,5-Tetrachlorobenzene	12.59	216	155126	4.674	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.56	237	57061	2.966	ng	98
43) 2,4,6-Trichlorophenol	12.84	196	91101	4.148	ng	97
44) 2,4,5-Trichlorophenol	12.91	196	101568	4.466	ng	97
46) 1,1'-Biphenyl	13.25	154	368243	4.907	ng	98
47) 2-Chloronaphthalene	13.29	162	283536	4.652	ng	99
48) 2-Nitroaniline	13.50	65	61319	3.677	ng	89
49) Acenaphthylene	14.13	152	440291	4.747	ng	100
50) Dimethylphthalate	13.87	163	362616	4.651	ng	99
51) 2,6-Dinitrotoluene	14.00	165	73228	4.366	ng	97
52) Acenaphthene	14.47	154	262798	4.696	ng	98
53) 3-Nitroaniline	14.33	138	65675	3.841	ng	100
54) 2,4-Dinitrophenol	14.54	184	21206	2.354	ng	93
55) Dibenzofuran	14.81	168	450928	4.939	ng	99
56) 4-Nitrophenol	14.64	139	43317	3.313	ng	91
57) 2,4-Dinitrotoluene	14.79	165	95251	4.113	ng	92
58) Fluorene	15.46	166	358182	4.802	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.04	232	98051	4.512	ng	97
60) Diethylphthalate	15.24	149	353724	4.607	ng	98
61) 4-Chlorophenyl-phenylether	15.46	204	197949	4.697	ng	99
62) 4-Nitroaniline	15.50	138	63074	3.515	ng	94
63) Azobenzene	15.75	77	295188	4.687	ng	98
65) 4,6-Dinitro-2-methylphenol	15.55	198	41088	3.075	ng	99
66) n-Nitrosodiphenylamine	15.67	169	309447	4.531	ng	97
67) 4-Bromophenyl-phenylether	16.35	248	124384	4.312	ng	96
68) Hexachlorobenzene	16.46	284	154043	4.470	ng	98
69) Atrazine	16.63	200	104126	4.688	ng	99
70) Pentachlorophenol	16.81	266	72616	3.911	ng	98
71) Phenanthrene	17.20	178	605912	4.852	ng	99
72) Anthracene	17.29	178	575647	4.654	ng	100
73) Carbazole	17.57	167	506219	4.628	ng	100
74) Di-n-butylphthalate	18.13	149	581389	4.342	ng	99
75) Fluoranthene	19.22	202	707970	4.909	ng	99
77) Benzidine	19.42	184	144283	2.412	ng	99
78) Pyrene	19.58	202	732719	4.904	ng	100
80) Butylbenzylphthalate	20.49	149	268189	4.504	ng	98
81) Benzo(a)anthracene	21.33	228	694796	4.948	ng	99
82) 3,3'-Dichlorobenzidine	21.27	252	206688	3.886	ng	99
83) Chrysene	21.38	228	659022	4.926	ng	99
84) Bis(2-ethylhexyl)phthalate	21.26	149	369114	4.355	ng	98
85) Di-n-octyl phthalate	22.14	149	573585	4.303	ng	99
86) Indeno(1,2,3-cd)pyrene	25.91	276	598585	4.044	ng	99
88) Benzo(b)fluoranthene	22.94	252	600868	4.785	ng	99
89) Benzo(k)fluoranthene	22.98	252	594377	4.897	ng	99
90) Benzo(a)pyrene	23.52	252	541744	4.781	ng	99
91) Dibenzo(a,h)anthracene	25.93	278	507523	4.493	ng	100
92) Benzo(g,h,i)perylene	26.62	276	492096	4.671	ng	100

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

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