Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062419\
Data File : BM021144.D
Acq On : 24 Jun 2019 12:20
Operator : HP/JU
Sample : K2241-01
Misc : LOD-SOIL-8PPM
ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
6/28/2019 8:25:54 AM

Quant Time: Jun 25 04:45:26 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	249107	20.00	ng		0.00
21) Naphthalene-d8	10.56	136	822413	20.00	ng		0.00
39) Acenaphthene-d10	14.41	164	532744	20.00	ng		-0.01
64) Phenanthrene-d10	17.16	188	1356679	20.00	ng		0.00
76) Chrysene-d12	21.35	240	1412174	20.00	ng		0.00
87) Perylene-d12	23.63	264	1354649	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.36	112	1523701	110.76	ng		0.00
7) Phenol-d6	6.95	99	1968038	98.23	ng		0.00
23) Nitrobenzene-d5	8.93	82	1108607	70.25	ng		-0.01
42) 2,4,6-Tribromophenol	15.91	330	1176955	117.73	ng		0.00
45) 2-Fluorobiphenyl	13.03	172	3070181	70.83	ng		0.00
79) Terphenyl-d14	19.79	244	5954453	78.75	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	38299	7.389	ng		95
3) Pyridine	3.73	79	95976	6.439	ng		99
4) n-Nitrosodimethylamine	3.64	42	36919	6.433	ng	#	90
6) Aniline	7.11	93	141403	5.299	ng		99
8) 2-Chlorophenol	7.34	128	109937	6.493	ng		96
9) Benzaldehyde	6.93	77	91376	4.385	ng		100
10) Phenol	6.97	94	131147	6.408	ng		95
11) bis(2-Chloroethyl)ether	7.21	93	86180	5.318	ng		99
12) 1,3-Dichlorobenzene	7.66	146	133507	6.508	ng		99
13) 1,4-Dichlorobenzene	7.81	146	135617	6.503	ng		98
14) 1,2-Dichlorobenzene	8.12	146	130006	6.361	ng		99
15) Benzyl Alcohol	8.02	79	79726	4.915	ng		97
16) 2,2'-oxybis(1-Chloropropan	8.30	45	105473	5.032	ng		99
17) 2-Methylphenol	8.21	107	75821	5.186	ng		100
18) Hexachloroethane	8.84	117	46334	6.188	ng		92
19) n-Nitroso-di-n-propylamine	8.57	70	68440	4.694	ng		97
20) 3+4-Methylphenols	8.54	107	103032	5.120	ng		97
22) Acetophenone	8.60	105	145623	6.948	ng	#	97
24) Nitrobenzene	8.97	77	115174	7.368	ng		98
25) Isophorone	9.50	82	187238	6.341	ng		98
26) 2-Nitrophenol	9.69	139	45643	5.963	ng		97
27) 2,4-Dimethylphenol	9.74	122	58249	5.218	ng		99
28) bis(2-Chloroethoxy)methane	9.98	93	116037	6.324	ng		98
29) 2,4-Dichlorophenol	10.21	162	94496	6.540	ng		99
30) 1,2,4-Trichlorobenzene	10.42	180	119132	6.995	ng		99
31) Naphthalene	10.61	128	310334	7.130	ng		99
32) Benzoic acid	9.82	122	44174m	4.891	ng		
33) 4-Chloroaniline	10.73	127	121590	6.154	ng		98
34) Hexachlorobutadiene	10.88	225	71519	6.651	ng		99
35) Caprolactam	11.53	113	24778	5.483	ng		94
36) 4-Chloro-3-methylphenol	11.85	107	94763	6.445	ng		98
37) 2-Methylnaphthalene	12.22	142	233125	6.962	ng		99
38) 1-Methylnaphthalene	12.45	142	222571	6.968	ng		99
40) 1,2,4,5-Tetrachlorobenzene	12.59	216	135641	6.727	ng		100

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.56	237	47798	4.089	ng		96
43) 2,4,6-Trichlorophenol	12.84	196	80010	5.996	ng		95
44) 2,4,5-Trichlorophenol	12.91	196	88309	6.391	ng		98
46) 1,1'-Biphenyl	13.24	154	317018	6.953	ng		99
47) 2-Chloronaphthalene	13.29	162	252571	6.820	ng		98
48) 2-Nitroaniline	13.50	65	53570	5.288	ng		98
49) Acenaphthylene	14.13	152	383918	6.812	ng		99
50) Dimethylphthalate	13.87	163	316648	6.685	ng		99
51) 2,6-Dinitrotoluene	14.00	165	63546	6.236	ng		96
52) Acenaphthene	14.47	154	230561	6.781	ng		97
53) 3-Nitroaniline	14.33	138	57527	5.538	ng		98
54) 2,4-Dinitrophenol	14.54	184	17652	3.225	ng		91
55) Dibenzofuran	14.81	168	401240	7.234	ng		98
56) 4-Nitrophenol	14.65	139	36277	4.567	ng		88
57) 2,4-Dinitrotoluene	14.79	165	82046	5.831	ng	#	93
58) Fluorene	15.46	166	318615	7.030	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.04	232	85789	6.498	ng		97
60) Diethylphthalate	15.24	149	311308	6.673	ng		98
61) 4-Chlorophenyl-phenylether	15.46	204	171782	6.709	ng		93
62) 4-Nitroaniline	15.50	138	56938	5.222	ng		93
63) Azobenzene	15.75	77	263973	6.898	ng		98
65) 4,6-Dinitro-2-methylphenol	15.55	198	34761	4.156	ng		97
66) n-Nitrosodiphenylamine	15.67	169	274890	6.428	ng		100
67) 4-Bromophenyl-phenylether	16.36	248	111644	6.182	ng		96
68) Hexachlorobenzene	16.46	284	136410	6.322	ng		96
69) Atrazine	16.63	200	92108	6.624	ng		98
70) Pentachlorophenol	16.81	266	61771	5.314	ng		99
71) Phenanthrene	17.20	178	551444	7.053	ng		99
72) Anthracene	17.29	178	517488	6.681	ng		99
73) Carbazole	17.57	167	465142	6.792	ng		100
74) Di-n-butylphthalate	18.13	149	512193	6.110	ng		100
75) Fluoranthene	19.22	202	644745	7.141	ng		100
77) Benzidine	19.42	184	134571	3.282	ng		97
78) Pyrene	19.59	202	683046	6.669	ng		99
80) Butylbenzylphthalate	20.49	149	231538	5.672	ng		97
81) Benzo(a)anthracene	21.33	228	676565	7.028	ng		99
82) 3,3'-Dichlorobenzidine	21.27	252	200372	5.495	ng		100
83) Chrysene	21.39	228	655484	7.148	ng		99
84) Bis(2-ethylhexyl)phthalate	21.26	149	354066	6.094	ng		97
85) Di-n-octyl phthalate	22.15	149	583859	6.390	ng		99
86) Indeno(1,2,3-cd)pyrene	25.91	276	600075	5.914	ng		99
88) Benzo(b)fluoranthene	22.94	252	636054	6.960	ng		98
89) Benzo(k)fluoranthene	22.99	252	602889	6.825	ng		99
90) Benzo(a)pyrene	23.52	252	564018	6.840	ng		99
91) Dibenzo(a,h)anthracene	25.93	278	503709	6.127	ng		99
92) Benzo(g,h,i)perylene	26.62	276	493113	6.432	ng		99

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

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