Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071020\
Data File : BM026715.D
Acq On : 09 Jul 2020 12:35
Operator : JU/CG
Sample : L3216-03
Misc : MDL-MDL-SOIL-8PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Manual Integrations APPROVED
mohammad
7/10/2020 11:51:22 AM

Quant Time: Jul 09 13:16:45 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 09 11:30:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	54474	20.00	ng		0.00
21) Naphthalene-d8	10.08	136	237710	20.00	ng		0.00
39) Acenaphthene-d10	13.99	164	166369	20.00	ng		0.00
64) Phenanthrene-d10	16.74	188	389517	20.00	ng		0.00
76) Chrysene-d12	20.96	240	493862	20.00	ng		0.00
86) Perylene-d12	23.03	264	539729	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.96	112	310019	95.39	ng		0.00
7) Phenol-d6	6.53	99	466221	90.04	ng		0.00
23) Nitrobenzene-d5	8.47	82	415903	74.64	ng		0.00
42) 2,4,6-Tribromophenol	15.49	330	236950	97.77	ng		0.00
45) 2-Fluorobiphenyl	12.59	172	902147	72.10	ng		0.00
79) Terphenyl-d14	19.41	244	1429450	56.96	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.95	88	14925	9.558	ng		92
3) Pyridine	3.36	79	23009m	5.152	ng		
4) n-Nitrosodimethylamine	3.27	42	17972	6.723	ng		98
6) Aniline	6.67	93	42125	6.628	ng		96
8) 2-Chlorophenol	6.90	128	25124	6.490	ng		99
9) Benzaldehyde	6.49	77	28023	9.751	ng		93
10) Phenol	6.56	94	33713	6.587	ng		94
11) bis(2-Chloroethyl)ether	6.77	93	26765	6.255	ng		98
12) 1,3-Dichlorobenzene	7.21	146	28413	6.752	ng		96
13) 1,4-Dichlorobenzene	7.36	146	29216	6.821	ng		92
14) 1,2-Dichlorobenzene	7.66	146	29005	6.797	ng		94
15) Benzyl Alcohol	7.59	79	24364	5.499	ng		97
16) 2,2'-oxybis(1-Chloropropan	7.87	45	56579	6.406	ng		96
17) 2-Methylphenol	7.79	107	21701	5.580	ng		96
18) Hexachloroethane	8.37	117	11618	6.829	ng		97
19) n-Nitroso-di-n-propylamine	8.14	70	25931	6.019	ng		97
20) 3+4-Methylphenols	8.12	107	28593	5.347	ng		98
22) Acetophenone	8.15	105	45246	6.698	ng	#	95
24) Nitrobenzene	8.51	77	41024	6.999	ng		97
25) Isophorone	9.04	82	64787	6.064	ng		97
26) 2-Nitrophenol	9.22	139	11242	5.196	ng		91
27) 2,4-Dimethylphenol	9.30	122	23881	6.788	ng		96
28) bis(2-Chloroethoxy)methane	9.53	93	38512	6.525	ng		94
29) 2,4-Dichlorophenol	9.76	162	22866	5.902	ng		99
30) 1,2,4-Trichlorobenzene	9.95	180	29007	6.711	ng		92
31) Naphthalene	10.13	128	87015	6.581	ng		99
32) Benzoic acid	9.41	122	4191	8.269	ng		98
33) 4-Chloroaniline	10.27	127	33179	5.737	ng	#	93
34) Hexachlorobutadiene	10.42	225	19141	6.687	ng		94
35) Caprolactam	11.04	113	7192	5.241	ng		98
36) 4-Chloro-3-methylphenol	11.40	107	28852	5.892	ng		94
37) 2-Methylnaphthalene	11.76	142	63387	6.472	ng		90
38) 1-Methylnaphthalene	11.98	142	61551	6.560	ng		98
40) 1,2,4,5-Tetrachlorobenzene	12.14	216	35466	6.594	ng		98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	10962	9.472	ng		93
43) 2,4,6-Trichlorophenol	12.40	196	19288	5.475	ng		97
44) 2,4,5-Trichlorophenol	12.48	196	22253	5.375	ng		96
46) 1,1'-Biphenyl	12.80	154	90221	6.865	ng		98
47) 2-Chloronaphthalene	12.84	162	66541	6.268	ng		99
48) 2-Nitroaniline	13.07	65	21681	4.963	ng		93
49) Acenaphthylene	13.70	152	104156	6.137	ng		100
50) Dimethylphthalate	13.46	163	89543	6.292	ng		98
51) 2,6-Dinitrotoluene	13.58	165	18158	5.959	ng		94
52) Acenaphthene	14.05	154	64158	6.220	ng		99
53) 3-Nitroaniline	13.92	138	15308	4.829	ng		90
54) 2,4-Dinitrophenol	14.15	184	3777	7.918	ng		91
55) Dibenzofuran	14.39	168	107752	6.372	ng		99
56) 4-Nitrophenol	14.27	139	9321	7.120	ng		94
57) 2,4-Dinitrotoluene	14.39	165	23910	5.437	ng	#	81
58) Fluorene	15.04	166	85298	6.092	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.63	232	22376	6.189	ng		98
60) Diethylphthalate	14.84	149	94033	6.249	ng		100
61) 4-Chlorophenyl-phenylether	15.05	204	47447	6.255	ng		99
62) 4-Nitroaniline	15.10	138	15673m	7.096	ng		
63) Azobenzene	15.34	77	102949	6.229	ng		94
65) 4,6-Dinitro-2-methylphenol	15.16	198	10619	7.900	ng		89
66) n-Nitrosodiphenylamine	15.27	169	75253	6.079	ng		99
67) 4-Bromophenyl-phenylether	15.95	248	28906	5.962	ng		96
68) Hexachlorobenzene	16.06	284	32646	6.398	ng		99
69) Atrazine	16.24	200	27585	7.411	ng		100
70) Pentachlorophenol	16.42	266	13027	4.513	ng	#	87
71) Phenanthrene	16.79	178	148857	6.473	ng		99
72) Anthracene	16.88	178	146064	6.381	ng		99
73) Carbazole	17.16	167	126056	5.776	ng		99
74) Di-n-butylphthalate	17.74	149	157512	5.740	ng		99
75) Fluoranthene	18.82	202	180076	6.358	ng		99
77) Benzidine	19.03	184	59383	6.099	ng		99
78) Pyrene	19.19	202	190600	6.127	ng		99
80) Butylbenzylphthalate	20.12	149	75800	5.429	ng		99
81) Benzo(a)anthracene	20.95	228	212197	6.397	ng		100
82) 3,3'-Dichlorobenzidine	20.90	252	69456	6.597	ng		98
83) Chrysene	21.00	228	209263	6.481	ng		98
84) Bis(2-ethylhexyl)phthalate	20.92	149	124733	5.577	ng		99
85) Di-n-octyl phthalate	21.76	149	213521	5.585	ng		96
87) Indeno(1,2,3-cd)pyrene	25.03	276	260177	6.771	ng		99
88) Benzo(b)fluoranthene	22.43	252	225870	6.351	ng		99
89) Benzo(k)fluoranthene	22.47	252	228758	6.558	ng		100
90) Benzo(a)pyrene	22.94	252	202085	6.121	ng		99
91) Dibenzo(a,h)anthracene	25.04	278	218919	6.749	ng		99
92) Benzo(g,h,i)perylene	25.64	276	215863	7.223	ng		98

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

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