Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
Data File : BM026690.D
Acq On : 07 Jul 2020 23:20
Operator : JU/CG
Sample : L3216-02
Misc : LOQ-S-10PPM
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT3-2020

Manual Integrations APPROVED
mohammad
7/9/2020 10:56:46 AM

Quant Time: Jul 08 05:55:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 08 05:15:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	57532	20.00	ng		0.00
21) Naphthalene-d8	10.08	136	267341	20.00	ng		0.00
39) Acenaphthene-d10	13.99	164	187508	20.00	ng		0.00
64) Phenanthrene-d10	16.74	188	434913	20.00	ng		0.00
76) Chrysene-d12	20.96	240	513670	20.00	ng		-0.01
86) Perylene-d12	23.03	264	528826	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.96	112	618355	180.15	ng		0.00
7) Phenol-d6	6.54	99	936551	171.25	ng		0.00
23) Nitrobenzene-d5	8.48	82	958379	152.94	ng		0.00
42) 2,4,6-Tribromophenol	15.50	330	534638	195.74	ng		0.00
45) 2-Fluorobiphenyl	12.60	172	2153909	152.74	ng		0.00
79) Terphenyl-d14	19.42	244	4024241	154.18	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.95	88	19165	11.620	ng		99
3) Pyridine	3.36	79	35239	7.470	ng		97
4) n-Nitrosodimethylamine	3.27	42	25645	9.083	ng	#	92
6) Aniline	6.67	93	65191	9.712	ng		97
8) 2-Chlorophenol	6.90	128	39230	9.595	ng		96
9) Benzaldehyde	6.49	77	43848	14.446	ng		95
10) Phenol	6.56	94	51603	9.547	ng		93
11) bis(2-Chloroethyl)ether	6.78	93	43015	9.518	ng		98
12) 1,3-Dichlorobenzene	7.22	146	42442	9.549	ng		98
13) 1,4-Dichlorobenzene	7.36	146	43394	9.592	ng		98
14) 1,2-Dichlorobenzene	7.67	146	42155	9.354	ng		98
15) Benzyl Alcohol	7.59	79	41457	8.860	ng		96
16) 2,2'-oxybis(1-Chloropropan	7.86	45	88745	9.514	ng		99
17) 2-Methylphenol	7.79	107	34761	8.462	ng		99
18) Hexachloroethane	8.38	117	16917	9.415	ng		98
19) n-Nitroso-di-n-propylamine	8.14	70	43093	9.470	ng		99
20) 3+4-Methylphenols	8.12	107	45839	8.117	ng		97
22) Acetophenone	8.15	105	73887	9.726	ng	#	96
24) Nitrobenzene	8.52	77	64830	9.834	ng		99
25) Isophorone	9.04	82	107917	8.981	ng		99
26) 2-Nitrophenol	9.22	139	19861	8.163	ng		91
27) 2,4-Dimethylphenol	9.30	122	38316	9.684	ng		92
28) bis(2-Chloroethoxy)methane	9.53	93	62455	9.408	ng		99
29) 2,4-Dichlorophenol	9.76	162	37315	8.564	ng		95
30) 1,2,4-Trichlorobenzene	9.96	180	43910	9.033	ng		99
31) Naphthalene	10.13	128	137502	9.247	ng		99
32) Benzoic acid	9.42	122	13709m	4.566	ng		
33) 4-Chloroaniline	10.27	127	56574	8.698	ng		96
34) Hexachlorobutadiene	10.42	225	28858	8.964	ng		98
35) Caprolactam	11.05	113	13114	8.497	ng		90
36) 4-Chloro-3-methylphenol	11.41	107	48365	8.783	ng		98
37) 2-Methylnaphthalene	11.76	142	104472	9.485	ng		97
38) 1-Methylnaphthalene	11.99	142	99430	9.422	ng		99
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	58062	9.579	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	19974	6.906	ng		97
43) 2,4,6-Trichlorophenol	12.40	196	33037	8.320	ng		97
44) 2,4,5-Trichlorophenol	12.49	196	35976	7.710	ng		97
46) 1,1'-Biphenyl	12.81	154	147878	9.984	ng		99
47) 2-Chloronaphthalene	12.85	162	105970	8.857	ng		99
48) 2-Nitroaniline	13.07	65	38185	7.755	ng		99
49) Acenaphthylene	13.70	152	173263	9.058	ng		98
50) Dimethylphthalate	13.47	163	146235	9.118	ng		99
51) 2,6-Dinitrotoluene	13.59	165	30693	8.937	ng		95
52) Acenaphthene	14.05	154	103994	8.946	ng		98
53) 3-Nitroaniline	13.92	138	26457	7.405	ng		99
54) 2,4-Dinitrophenol	14.15	184	9672	4.812	ng	#	87
55) Dibenzofuran	14.39	168	173984	9.128	ng		98
56) 4-Nitrophenol	14.26	139	18514	6.603	ng		93
57) 2,4-Dinitrotoluene	14.39	165	39260	7.920	ng	#	91
58) Fluorene	15.05	166	139588	8.845	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.64	232	36018	8.839	ng		97
60) Diethylphthalate	14.85	149	152049	8.966	ng		98
61) 4-Chlorophenyl-phenylether	15.06	204	74599	8.725	ng		99
62) 4-Nitroaniline	15.09	138	21409	5.741	ng		97
63) Azobenzene	15.35	77	170087	9.131	ng		96
65) 4,6-Dinitro-2-methylphenol	15.17	198	19210	6.497	ng		97
66) n-Nitrosodiphenylamine	15.27	169	126283	9.137	ng		100
67) 4-Bromophenyl-phenylether	15.95	248	45826	8.465	ng		97
68) Hexachlorobenzene	16.06	284	52249	9.171	ng		96
69) Atrazine	16.24	200	45300	10.900	ng		97
70) Pentachlorophenol	16.42	266	23636	7.333	ng		94
71) Phenanthrene	16.79	178	233243	9.084	ng		99
72) Anthracene	16.88	178	234595	9.178	ng		99
73) Carbazole	17.16	167	206255	8.464	ng		97
74) Di-n-butylphthalate	17.74	149	262942	8.582	ng		100
75) Fluoranthene	18.82	202	287388	9.088	ng		99
77) Benzidine	19.03	184	117860	11.638	ng		100
78) Pyrene	19.19	202	299786	9.265	ng		99
80) Butylbenzylphthalate	20.13	149	122837	8.459	ng		97
81) Benzo(a)anthracene	20.95	228	321818	9.327	ng		99
82) 3,3'-Dichlorobenzidine	20.90	252	110765	10.114	ng		99
83) Chrysene	21.00	228	305505	9.097	ng		99
84) Bis(2-ethylhexyl)phthalate	20.92	149	199317	8.568	ng		99
85) Di-n-octyl phthalate	21.76	149	333977	8.400	ng		97
87) Indeno(1,2,3-cd)pyrene	25.04	276	351986	9.350	ng		99
88) Benzo(b)fluoranthene	22.43	252	321192	9.218	ng		99
89) Benzo(k)fluoranthene	22.47	252	325184	9.514	ng		100
90) Benzo(a)pyrene	22.94	252	285926	8.839	ng		99
91) Dibenzo(a,h)anthracene	25.04	278	295018	9.283	ng		98
92) Benzo(g,h,i)perylene	25.64	276	282151	9.635	ng		99

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

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