Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012420\
Data File : BM024618.D
Acq On : 24 Jan 2020 13:07
Operator : CG/JU
Sample : K5111-03
Misc : 8 PPM MDL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Manual Integrations APPROVED
mohammad
1/28/2020 8:13:08 AM

Quant Time: Jan 24 17:02:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 23 14:57:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	207216	20.00	ng		0.00
21) Naphthalene-d8	10.20	136	859603	20.00	ng		0.00
39) Acenaphthene-d10	14.09	164	611590	20.00	ng		0.00
64) Phenanthrene-d10	16.84	188	1437447	20.00	ng		0.00
76) Chrysene-d12	21.05	240	1548833	20.00	ng		0.00
87) Perylene-d12	23.16	264	1724049	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.08	112	1433374	131.55	ng		0.00
7) Phenol-d6	6.64	99	1908026	127.12	ng		0.00
23) Nitrobenzene-d5	8.58	82	1298815	74.10	ng		0.00
42) 2,4,6-Tribromophenol	15.59	330	1254071	126.06	ng		0.00
45) 2-Fluorobiphenyl	12.70	172	3299083	73.34	ng		0.00
79) Terphenyl-d14	19.50	244	6740047	81.24	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.08	88	34412	7.984	ng		98
3) Pyridine	3.46	79	100961	8.080	ng		97
4) n-Nitrosodimethylamine	3.37	42	41690	7.517	ng	#	97
6) Aniline	6.78	93	141655	7.752	ng		97
8) 2-Chlorophenol	7.02	128	96162	7.753	ng		96
9) Benzaldehyde	6.60	77	64694	7.294	ng		96
10) Phenol	6.66	94	116644	7.796	ng		97
11) bis(2-Chloroethyl)ether	6.88	93	93040	7.768	ng		93
12) 1,3-Dichlorobenzene	7.33	146	119171	7.821	ng		99
13) 1,4-Dichlorobenzene	7.48	146	120318	7.783	ng		99
14) 1,2-Dichlorobenzene	7.79	146	119599	8.015	ng		99
15) Benzyl Alcohol	7.68	79	93695	7.571	ng		96
16) 2,2'-oxybis(1-Chloropropan	7.98	45	87359	7.967	ng		97
17) 2-Methylphenol	7.89	107	78000	7.398	ng		96
18) Hexachloroethane	8.50	117	46310	7.758	ng		95
19) n-Nitroso-di-n-propylamine	8.25	70	88160	7.823	ng		95
20) 3+4-Methylphenols	8.22	107	108064	7.404	ng		97
22) Acetophenone	8.25	105	168116	7.585	ng		98
24) Nitrobenzene	8.62	77	134428	8.003	ng		98
25) Isophorone	9.15	82	226534	7.606	ng		98
26) 2-Nitrophenol	9.33	139	52224	6.714	ng		98
27) 2,4-Dimethylphenol	9.40	122	76488	7.237	ng		93
28) bis(2-Chloroethoxy)methane	9.63	93	136175	7.485	ng		99
29) 2,4-Dichlorophenol	9.86	162	99259	6.951	ng		100
30) 1,2,4-Trichlorobenzene	10.07	180	128512	7.462	ng		96
31) Naphthalene	10.25	128	325219	7.491	ng		99
32) Benzoic acid	9.49	122	58717m	6.073	ng		
33) 4-Chloroaniline	10.36	127	138341	7.269	ng		98
34) Hexachlorobutadiene	10.55	225	88858	7.464	ng		99
35) Caprolactam	11.12	113	31872	6.957	ng		100
36) 4-Chloro-3-methylphenol	11.50	107	105210	6.929	ng		99
37) 2-Methylnaphthalene	11.87	142	244341	7.293	ng		99
38) 1-Methylnaphthalene	12.10	142	235344	7.384	ng		97
40) 1,2,4,5-Tetrachlorobenzene	12.26	216	160182	7.338	ng		99

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.25	237	83476	6.823 ng	99
43) 2,4,6-Trichlorophenol	12.50	196	94211	6.783 ng	99
44) 2,4,5-Trichlorophenol	12.57	196	99159	6.990 ng	98
46) 1,1'-Biphenyl	12.92	154	349295	7.547 ng	99
47) 2-Chloronaphthalene	12.95	162	281397	7.531 ng	98
48) 2-Nitroaniline	13.16	65	78351	6.875 ng	96
49) Acenaphthylene	13.80	152	419044	7.492 ng	99
50) Dimethylphthalate	13.56	163	374538	7.573 ng	99
51) 2,6-Dinitrotoluene	13.67	165	74953	7.129 ng	98
52) Acenaphthene	14.15	154	255399	7.358 ng	100
53) 3-Nitroaniline	13.99	138	73403	6.731 ng	98
54) 2,4-Dinitrophenol	14.20	184	32322	5.141 ng	98
55) Dibenzofuran	14.49	168	422738	7.468 ng	99
56) 4-Nitrophenol	14.32	139	54752	6.423 ng	98
57) 2,4-Dinitrotoluene	14.46	165	101323	6.724 ng	97
58) Fluorene	15.15	166	340803	7.164 ng	98
59) 2,3,4,6-Tetrachlorophenol	14.73	232	101922	7.085 ng	99
60) Diethylphthalate	14.95	149	374956	7.468 ng	99
61) 4-Chlorophenyl-phenylether	15.15	204	198261	7.229 ng	96
62) 4-Nitroaniline	15.16	138	81162	6.742 ng	98
63) Azobenzene	15.45	77	321353	7.504 ng	98
65) 4,6-Dinitro-2-methylphenol	15.23	198	48016	5.681 ng	99
66) n-Nitrosodiphenylamine	15.37	169	299503	7.254 ng	98
67) 4-Bromophenyl-phenylether	16.05	248	128082	7.165 ng	95
68) Hexachlorobenzene	16.16	284	151972	7.408 ng	99
69) Atrazine	16.33	200	111280	7.021 ng	97
70) Pentachlorophenol	16.50	266	78904	6.315 ng	99
71) Phenanthrene	16.88	178	570056	7.323 ng	99
72) Anthracene	16.97	178	547700	7.191 ng	100
73) Carbazole	17.25	167	497581	7.176 ng	100
74) Di-n-butylphthalate	17.84	149	628616	7.092 ng	99
75) Fluoranthene	18.90	202	710054	7.309 ng	99
77) Benzidine	19.10	184	251120	6.962 ng	97
78) Pyrene	19.27	202	746497	7.311 ng	98
80) Butylbenzylphthalate	20.21	149	279981	6.535 ng	97
81) Benzo(a)anthracene	21.03	228	787192	7.323 ng	100
82) 3,3'-Dichlorobenzidine	20.97	252	260364	6.733 ng	100
83) Chrysene	21.09	228	762774	7.436 ng	100
84) Bis(2-ethylhexyl)phthalate	21.01	149	419407	6.634 ng	98
85) Di-n-octyl phthalate	21.86	149	680585	6.516 ng	98
86) Indeno(1,2,3-cd)pyrene	25.22	276	818067	7.317 ng	100
88) Benzo(b)fluoranthene	22.54	252	770564	6.891 ng	98
89) Benzo(k)fluoranthene	22.58	252	786792	7.209 ng	99
90) Benzo(a)pyrene	23.07	252	704061	6.925 ng	100
91) Dibenzo(a,h)anthracene	25.23	278	677338	7.020 ng	99
92) Benzo(g,h,i)perylene	25.84	276	614778	7.017 ng	100

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

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