Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122914\
Data File : BM000071.D
Acq On : 29 Dec 2014 22:41
Operator : TP
Sample : MDL-05-S
Misc : MDL--SOIL-4PPM
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-Soil-5

Manual Integrations APPROVED
TEJASKUMAR
1/7/2015 9:21:00 AM

Quant Time: Dec 31 06:19:06 2014
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 31 02:57:11 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	237714	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1054991	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.48	164	765396	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1546946	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1482725	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	1127774	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.33	96	23153	5.65	ng/uL	0.00
5) Phenol-d5	7.00	99	534274	25.94	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.18	67	350657	27.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	394860	26.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	433492	26.65	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	205243	28.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	218058	29.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	416424	25.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	581675	31.17	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1502004	26.61	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	1761964	26.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	213418	23.40	ng/ul	0.00
57) Fluorene-d10	15.47	176	1271733	26.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	131699	17.17	ng/ul	0.00
70) Anthracene-d10	17.32	188	1916836	26.80	ng/ul	0.00
76) Pyrene-d10	19.61	212	2041936	29.85	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	1443288	28.36	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.36	88	13275	2.34	ng/uL#	91
4) Benzaldehyde	6.98	77	33697	2.63	ng/ul	99
6) Phenol	7.03	94	46657	2.18	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.27	93	38691	2.36	ng/ul	96
10) 2-Chlorophenol	7.41	128	32056	2.09	ng/ul	98
11) 2-Methylphenol	8.28	108	32440	1.96	ng/ul	93
12) 2,2'-oxybis(1-Chloropropan	8.38	45	63616	2.41	ng/ul	98
14) Acetophenone	8.66	105	59704	2.15	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.64	70	32285	2.22	ng/ul	93
16) 4-Methylphenol	8.60	108	37079	2.07	ng/ul	90
17) Hexachloroethane	8.93	117	14330	2.04	ng/ul	94
20) Nitrobenzene	9.04	77	50818	2.34	ng/ul	96
21) Isophorone	9.57	82	88055	2.10	ng/ul	99
23) 2-Nitrophenol	9.75	139	19678	2.39	ng/ul	91
24) 2,4-Dimethylphenol	9.81	107	46833	2.10	ng/ul	99
25) Bis(2-Chloroethoxy)methane	10.05	93	51500	2.21	ng/ul	98
27) 2,4-Dichlorophenol	10.28	162	35000	2.13	ng/ul#	83
28) Naphthalene	10.69	128	119336	2.22	ng/ul	100
30) 4-Chloroaniline	10.79	127	42389	2.20	ng/ul	99
31) Hexachlorobutadiene	10.97	225	26919	2.31	ng/ul	90
32) Caprolactam	11.57	113	9139	1.67	ng/ul	96
33) 4-Chloro-3-methylphenol	11.91	107	39379	1.95	ng/ul	94
34) 2-Methylnaphthalene	12.30	142	87681	2.20	ng/ul	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.66	216	47965	2.26	ng/ul#	98
37) Hexachlorocyclopentadiene	12.65	237	22451	1.60	ng/ul	89
38) 2,4,6-Trichlorophenol	12.90	196	24020m	1.77	ng/ul	
39) 2,4,5-Trichlorophenol	12.97	196	27169	1.85	ng/ul	94
40) 1,1'-Biphenyl	13.32	154	117518	2.13	ng/ul	97
41) 2-Chloronaphthalene	13.35	162	92503	2.19	ng/ul	98
42) 2-Nitroaniline	13.56	65	24490	1.79	ng/ul	95
44) Dimethylphthalate	13.93	163	120402	2.14	ng/ul	98
45) 2,6-Dinitrotoluene	14.05	165	18047	1.79	ng/ul#	79
47) Acenaphthylene	14.20	152	149923	2.10	ng/ul	99
48) 3-Nitroaniline	14.38	138	18800	1.83	ng/ul	95
49) Acenaphthene	14.54	153	96914	2.13	ng/ul	98
50) 2,4-Dinitrophenol	14.59	184	3787	0.74	ng/ul	92
52) 4-Nitrophenol	14.68	109	23318	1.92	ng/ul	90
53) Dibenzofuran	14.87	168	142790	2.17	ng/ul	91
54) 2,4-Dinitrotoluene	14.84	165	27479	1.83	ng/ul#	91
55) 2,3,4,6-Tetrachlorophenol	15.10	232	23098	1.82	ng/ul	98
56) Diethylphthalate	15.29	149	124102	2.10	ng/ul	97
58) Fluorene	15.52	166	118064	2.16	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.52	204	59549	2.21	ng/ul	97
60) 4-Nitroaniline	15.53	138	21421	1.84	ng/ul	96
63) 4,6-Dinitro-2-methylphenol	15.59	198	12763	1.63	ng/ul#	30
64) N-Nitrosodiphenylamine	15.73	169	98538	2.20	ng/ul	99
65) 4-Bromophenyl-phenylether	16.41	248	34466	2.19	ng/ul	95
66) Hexachlorobenzene	16.53	284	41477	2.28	ng/ul	96
67) Atrazine	16.68	200	36027	2.04	ng/ul	96
68) Pentachlorophenol	16.87	266	13679	1.24	ng/ul#	81
69) Phenanthrene	17.26	178	187199	2.24	ng/ul	100
71) Anthracene	17.35	178	189848	2.21	ng/ul	97
72) Carbazole	17.61	167	160382	2.07	ng/ul	98
73) Di-n-butylphthalate	18.19	149	195168	2.11	ng/ul	99
74) Fluoranthene	19.27	202	206129	2.15	ng/ul#	95
77) Pyrene	19.64	202	227790	2.55	ng/ul#	96
78) Butylbenzylphthalate	20.54	149	68380	1.88	ng/ul	90
79) 3,3'-Dichlorobenzidine	21.33	252	50458	1.86	ng/ul#	98
80) Benzo(a)anthracene	21.39	228	193192	2.26	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.32	149	97966	1.85	ng/ul#	98
82) Chrysene	21.44	228	167500	2.12	ng/ul	97
84) Di-n-octyl phthalate	22.22	149	139346	1.80	ng/ul	100
85) Benzo(b)fluoranthene	23.01	252	161837	2.25	ng/ul	97
86) Benzo(k)fluoranthene	23.05	252	139406	2.27	ng/ul#	98
88) Benzo(a)pyrene	23.60	252	143112	2.26	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.04	276	136595	2.07	ng/ul	98
90) Dibenzo(a,h)anthracene	26.05	278	113477	2.04	ng/ul	98
91) Benzo(g,h,i)perylene	26.75	276	112771	2.08	ng/ul#	96

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

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