Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122914\
Data File : BM000072.D
Acq On : 29 Dec 2014 23:17
Operator : TP
Sample : MDL-06-S
Misc : MDL--SOIL-4PPM
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-Soil-6

Quant Time: Dec 31 03:06:12 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	244898	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1066920	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.48	164	750198	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1497290	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1341123	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	1067761	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.33	96	23828	5.64	ng/uL	0.00
5) Phenol-d5	7.00	99	700149	33.00	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.18	67	447377	34.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	506550	33.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	554866	33.11	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	262334	35.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	286105	38.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	542539	32.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	757530	40.14	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1914699	34.60	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	2266736	34.20	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	269351	30.14	ng/ul	0.00
57) Fluorene-d10	15.47	176	1585484	33.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	158633	21.36	ng/ul	0.00
70) Anthracene-d10	17.32	188	2390420	34.53	ng/ul	0.00
76) Pyrene-d10	19.61	212	2447169	39.56	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	1743044	36.17	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.36	88	14495	2.48	ng/uL	97
4) Benzaldehyde	6.98	77	42617	3.22	ng/ul	99
6) Phenol	7.03	94	55819	2.53	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.27	93	48377	2.87	ng/ul	97
10) 2-Chlorophenol	7.41	128	40387	2.55	ng/ul	95
11) 2-Methylphenol	8.28	108	40202	2.36	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.38	45	74229	2.73	ng/ul	97
14) Acetophenone	8.66	105	70754	2.47	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.65	70	38022	2.54	ng/ul	99
16) 4-Methylphenol	8.61	108	47682	2.59	ng/ul	100
17) Hexachloroethane	8.93	117	18195	2.52	ng/ul	90
20) Nitrobenzene	9.04	77	62312	2.83	ng/ul	96
21) Isophorone	9.57	82	105281	2.48	ng/ul	99
23) 2-Nitrophenol	9.75	139	24121	2.90	ng/ul	97
24) 2,4-Dimethylphenol	9.81	107	57847	2.56	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.05	93	61301	2.60	ng/ul	99
27) 2,4-Dichlorophenol	10.28	162	43297	2.61	ng/ul#	80
28) Naphthalene	10.69	128	144961	2.66	ng/ul	99
30) 4-Chloroaniline	10.79	127	52270	2.68	ng/ul	94
31) Hexachlorobutadiene	10.97	225	33559	2.85	ng/ul#	88
32) Caprolactam	11.58	113	12566	2.27	ng/ul	86
33) 4-Chloro-3-methylphenol	11.91	107	50304	2.47	ng/ul	97
34) 2-Methylnaphthalene	12.30	142	104526	2.59	ng/ul	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.67	216	55133	2.65	ng/ul	97
37) Hexachlorocyclopentadiene	12.64	237	29529	2.15	ng/ul#	98
38) 2,4,6-Trichlorophenol	12.91	196	32185	2.43	ng/ul	96
39) 2,4,5-Trichlorophenol	12.97	196	35223	2.44	ng/ul	94
40) 1,1'-Biphenyl	13.32	154	143235	2.65	ng/ul	96
41) 2-Chloronaphthalene	13.35	162	110444	2.67	ng/ul	96
42) 2-Nitroaniline	13.56	65	29648	2.21	ng/ul	91
44) Dimethylphthalate	13.93	163	149540	2.71	ng/ul#	96
45) 2,6-Dinitrotoluene	14.05	165	22351	2.27	ng/ul#	75
47) Acenaphthylene	14.20	152	179182	2.56	ng/ul	97
48) 3-Nitroaniline	14.38	138	23976	2.38	ng/ul	87
49) Acenaphthene	14.54	153	116042	2.60	ng/ul	98
50) 2,4-Dinitrophenol	14.57	184	4128	0.82	ng/ul	95
52) 4-Nitrophenol	14.68	109	28110	2.36	ng/ul	91
53) Dibenzofuran	14.87	168	169495	2.63	ng/ul	94
54) 2,4-Dinitrotoluene	14.84	165	33738	2.29	ng/ul	89
55) 2,3,4,6-Tetrachlorophenol	15.10	232	27734	2.23	ng/ul	96
56) Diethylphthalate	15.29	149	148129	2.56	ng/ul	96
58) Fluorene	15.52	166	141577	2.64	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.52	204	69515	2.63	ng/ul	97
60) 4-Nitroaniline	15.53	138	25623	2.25	ng/ul	95
63) 4,6-Dinitro-2-methylphenol	15.59	198	13815	1.82	ng/ul#	54
64) N-Nitrosodiphenylamine	15.73	169	116799	2.69	ng/ul	97
65) 4-Bromophenyl-phenylether	16.41	248	42142	2.76	ng/ul	92
66) Hexachlorobenzene	16.53	284	48306	2.75	ng/ul#	91
67) Atrazine	16.68	200	41267	2.41	ng/ul	96
68) Pentachlorophenol	16.87	266	18289	1.71	ng/ul	95
69) Phenanthrene	17.26	178	224428	2.77	ng/ul	100
71) Anthracene	17.35	178	218821	2.63	ng/ul	99
72) Carbazole	17.61	167	188943	2.52	ng/ul	96
73) Di-n-butylphthalate	18.19	149	227986	2.55	ng/ul	98
74) Fluoranthene	19.27	202	240187	2.58	ng/ul#	94
77) Pyrene	19.64	202	255859	3.17	ng/ul#	96
78) Butylbenzylphthalate	20.54	149	79500	2.42	ng/ul	90
79) 3,3'-Dichlorobenzidine	21.32	252	56592	2.31	ng/ul	96
80) Benzo(a)anthracene	21.39	228	216406	2.80	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.32	149	110590	2.31	ng/ul#	97
82) Chrysene	21.44	228	192550	2.70	ng/ul	99
84) Di-n-octyl phthalate	22.22	149	167026	2.27	ng/ul	100
85) Benzo(b)fluoranthene	23.01	252	184945	2.71	ng/ul	100
86) Benzo(k)fluoranthene	23.05	252	156591	2.69	ng/ul	98
88) Benzo(a)pyrene	23.60	252	157786	2.64	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.04	276	165758	2.65	ng/ul	99
90) Dibenzo(a,h)anthracene	26.05	278	140219	2.67	ng/ul	97
91) Benzo(g,h,i)perylene	26.75	276	135156	2.63	ng/ul	97

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

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