Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122914\
Data File : BM000069.D
Acq On : 29 Dec 2014 21:30
Operator : TP
Sample : MDL-03-S
Misc : MDL--SOIL-4PPM
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-Soil-3

Quant Time: Dec 31 03:04:39 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	244126	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1081519	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.48	164	770211	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1567862	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1564697	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	1231150	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.33	96	33050	7.85	ng/uL	0.00
5) Phenol-d5	7.00	99	714834	33.80	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.18	67	448767	34.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	519216	34.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	567013	33.94	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	266113	35.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	289426	37.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	556425	32.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	764434	39.96	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1967815	34.64	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	2332257	34.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	293765	32.01	ng/ul	0.00
57) Fluorene-d10	15.47	176	1634016	33.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	187802	24.15	ng/ul	0.00
70) Anthracene-d10	17.32	188	2537772	35.00	ng/ul	0.00
76) Pyrene-d10	19.61	212	2699683	37.40	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	2010485	36.19	ng/ul	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.36	88	18097	3.10	ng/uL#	91
4) Benzaldehyde	6.98	77	45949	3.49	ng/ul	97
6) Phenol	7.03	94	63181	2.87	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.27	93	53161	3.16	ng/ul	95
10) 2-Chlorophenol	7.41	128	46760	2.97	ng/ul	98
11) 2-Methylphenol	8.28	108	47618	2.80	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.38	45	84644	3.12	ng/ul	99
14) Acetophenone	8.66	105	81896	2.87	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.65	70	44279	2.97	ng/ul	97
16) 4-Methylphenol	8.61	108	53352	2.90	ng/ul	97
17) Hexachloroethane	8.93	117	21483	2.98	ng/ul	100
20) Nitrobenzene	9.04	77	71336	3.20	ng/ul	99
21) Isophorone	9.57	82	121688	2.83	ng/ul	98
23) 2-Nitrophenol	9.75	139	25900	3.07	ng/ul#	89
24) 2,4-Dimethylphenol	9.81	107	65340	2.86	ng/ul	94
25) Bis(2-Chloroethoxy)methane	10.05	93	70917	2.96	ng/ul	97
27) 2,4-Dichlorophenol	10.28	162	49547	2.94	ng/ul#	85
28) Naphthalene	10.69	128	161863	2.94	ng/ul	98
30) 4-Chloroaniline	10.79	127	60977	3.08	ng/ul	98
31) Hexachlorobutadiene	10.97	225	35557	2.98	ng/ul	99
32) Caprolactam	11.59	113	15413	2.75	ng/ul	87
33) 4-Chloro-3-methylphenol	11.91	107	56260	2.72	ng/ul	98
34) 2-Methylnaphthalene	12.30	142	122943	3.01	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	62488	2.93 ng/ul#	98
37) Hexachlorocyclopentadiene	12.65	237	35074	2.49 ng/ul	96
38) 2,4,6-Trichlorophenol	12.91	196	35329	2.59 ng/ul	99
39) 2,4,5-Trichlorophenol	12.97	196	40472	2.74 ng/ul	97
40) 1,1'-Biphenyl	13.32	154	163771	2.95 ng/ul	96
41) 2-Chloronaphthalene	13.35	162	124773	2.93 ng/ul	97
42) 2-Nitroaniline	13.56	65	34982	2.54 ng/ul	91
44) Dimethylphthalate	13.93	163	168052	2.97 ng/ul	99
45) 2,6-Dinitrotoluene	14.05	165	25558	2.53 ng/ul#	80
47) Acenaphthylene	14.20	152	206743	2.88 ng/ul	99
48) 3-Nitroaniline	14.38	138	28714	2.77 ng/ul	100
49) Acenaphthene	14.54	153	133046	2.91 ng/ul	98
50) 2,4-Dinitrophenol	14.59	184	6694	1.30 ng/ul	89
52) 4-Nitrophenol	14.68	109	34335	2.81 ng/ul	94
53) Dibenzofuran	14.87	168	194287	2.93 ng/ul	94
54) 2,4-Dinitrotoluene	14.84	165	40231	2.66 ng/ul	91
55) 2,3,4,6-Tetrachlorophenol	15.10	232	35390	2.77 ng/ul#	92
56) Diethylphthalate	15.29	149	174681	2.94 ng/ul	97
58) Fluorene	15.52	166	164032	2.98 ng/ul	99
59) 4-Chlorophenyl-phenylether	15.52	204	79967	2.95 ng/ul	96
60) 4-Nitroaniline	15.53	138	33071	2.82 ng/ul	88
63) 4,6-Dinitro-2-methylphenol	15.59	198	18089	2.27 ng/ul#	35
64) N-Nitrosodiphenylamine	15.73	169	136047	2.99 ng/ul	100
65) 4-Bromophenyl-phenylether	16.41	248	47514	2.97 ng/ul	92
66) Hexachlorobenzene	16.53	284	58458	3.17 ng/ul	94
67) Atrazine	16.68	200	48375	2.70 ng/ul	95
68) Pentachlorophenol	16.87	266	22979	2.05 ng/ul	99
69) Phenanthrene	17.26	178	259990	3.06 ng/ul	98
71) Anthracene	17.35	178	255864	2.93 ng/ul	99
72) Carbazole	17.61	167	228611	2.91 ng/ul	98
73) Di-n-butylphthalate	18.19	149	283312	3.02 ng/ul	99
74) Fluoranthene	19.28	202	298979	3.07 ng/ul	99
77) Pyrene	19.65	202	319972	3.39 ng/ul	98
78) Butylbenzylphthalate	20.55	149	105922	2.76 ng/ul	93
79) 3,3'-Dichlorobenzidine	21.33	252	74389	2.60 ng/ul	96
80) Benzo(a)anthracene	21.39	228	283711	3.14 ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.33	149	154423	2.77 ng/ul#	97
82) Chrysene	21.44	228	256173	3.08 ng/ul	100
84) Di-n-octyl phthalate	22.22	149	226694	2.68 ng/ul	100
85) Benzo(b)fluoranthene	23.01	252	230195	2.93 ng/ul#	97
86) Benzo(k)fluoranthene	23.05	252	216712	3.23 ng/ul#	97
88) Benzo(a)pyrene	23.60	252	210931	3.06 ng/ul	95
89) Indeno(1,2,3-cd)pyrene	26.04	276	201719	2.80 ng/ul	99
90) Dibenzo(a,h)anthracene	26.06	278	170116	2.81 ng/ul	97
91) Benzo(g,h,i)perylene	26.76	276	159501	2.70 ng/ul	95

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

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