Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010215\
Data File : BM000112.D
Acq On : 02 Jan 2015 17:09
Operator : TP/IZ
Sample : MDL-02-S-ML
Misc : MDL-02-SOIL-8PPM-ML
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-02-S-ML

Quant Time: Jan 05 00:25:27 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 05 00:18:17 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	263676	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1140894	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	815612	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.21	188	1622422	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	1413152	20.00	ng/ul	0.00
83) Perylene-d12	23.69	264	1103632	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.32	96	24437	5.37	ng/uL	0.00
5) Phenol-d5	7.00	99	637868	27.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	391356	28.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	454478	27.94	ng/ul	-0.01
13) 4-Methylphenol-d8	8.54	113	511511	28.35	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	238939	30.28	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	262652	32.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	488759	27.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	648698	32.14	ng/ul	0.00
43) Dimethylphthalate-d6	13.88	166	1717933	28.56	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	2025979	28.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	249372	25.66	ng/ul	-0.01
57) Fluorene-d10	15.47	176	1438493	27.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	135899	16.89	ng/ul	0.00
70) Anthracene-d10	17.32	188	2150017	28.66	ng/ul	0.00
76) Pyrene-d10	19.60	212	2172632	33.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.55	264	1491692	29.95	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	25699	4.08	ng/uL	92
4) Benzaldehyde	6.98	77	73574	5.17	ng/ul	99
6) Phenol	7.02	94	103915	4.37	ng/ul	90
8) Bis(2-Chloroethyl)ether	7.26	93	82171	4.52	ng/ul	100
10) 2-Chlorophenol	7.40	128	75484	4.43	ng/ul	98
11) 2-Methylphenol	8.26	108	80412	4.38	ng/ul	95
12) 2,2'-oxybis(1-Chloropropan	8.37	45	140566	4.80	ng/ul	99
14) Acetophenone	8.65	105	132722	4.31	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.64	70	73941	4.59	ng/ul	95
16) 4-Methylphenol	8.60	108	88167	4.44	ng/ul	99
17) Hexachloroethane	8.92	117	32198	4.14	ng/ul	97
20) Nitrobenzene	9.03	77	112686	4.79	ng/ul	99
21) Isophorone	9.56	82	196823	4.34	ng/ul	98
23) 2-Nitrophenol	9.74	139	43143	4.85	ng/ul	91
24) 2,4-Dimethylphenol	9.80	107	107832	4.47	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.04	93	113933	4.51	ng/ul#	96
27) 2,4-Dichlorophenol	10.28	162	80742	4.55	ng/ul	93
28) Naphthalene	10.68	128	260876	4.48	ng/ul	99
30) 4-Chloroaniline	10.79	127	89117	4.27	ng/ul	99
31) Hexachlorobutadiene	10.96	225	56679	4.50	ng/ul	98
32) Caprolactam	11.57	113	21866	3.70	ng/ul	96
33) 4-Chloro-3-methylphenol	11.90	107	96349	4.42	ng/ul	99
34) 2-Methylnaphthalene	12.29	142	192264	4.46	ng/ul	99

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Quant Time: Jan 05 00:25:27 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.65	216	108358	4.79	ng/ul#	96
37) Hexachlorocyclopentadiene	12.64	237	48358	3.24	ng/ul#	96
38) 2,4,6-Trichlorophenol	12.89	196	61560	4.27	ng/ul	99
39) 2,4,5-Trichlorophenol	12.96	196	67306	4.30	ng/ul	97
40) 1,1'-Biphenyl	13.30	154	269371	4.58	ng/ul	99
41) 2-Chloronaphthalene	13.34	162	203472	4.52	ng/ul	97
42) 2-Nitroaniline	13.54	65	64353	4.41	ng/ul	96
44) Dimethylphthalate	13.92	163	279060	4.66	ng/ul	99
45) 2,6-Dinitrotoluene	14.05	165	46697	4.36	ng/ul#	88
47) Acenaphthylene	14.20	152	335115	4.41	ng/ul	99
48) 3-Nitroaniline	14.37	138	46387	4.23	ng/ul	97
49) Acenaphthene	14.54	153	214569	4.43	ng/ul	98
50) 2,4-Dinitrophenol	14.57	184	8698	1.60	ng/ul	91
52) 4-Nitrophenol	14.68	109	56099	4.34	ng/ul	91
53) Dibenzofuran	14.87	168	314843	4.49	ng/ul	98
54) 2,4-Dinitrotoluene	14.83	165	67864	4.24	ng/ul	93
55) 2,3,4,6-Tetrachlorophenol	15.09	232	58537	4.33	ng/ul	96
56) Diethylphthalate	15.29	149	284041	4.51	ng/ul	100
58) Fluorene	15.52	166	265155	4.56	ng/ul	100
59) 4-Chlorophenyl-phenylether	15.51	204	129866	4.52	ng/ul	95
60) 4-Nitroaniline	15.53	138	52115	4.20	ng/ul	96
63) 4,6-Dinitro-2-methylphenol	15.59	198	23190	2.82	ng/ul#	97
64) N-Nitrosodiphenylamine	15.73	169	216527	4.60	ng/ul	98
65) 4-Bromophenyl-phenylether	16.40	248	79794	4.83	ng/ul#	84
66) Hexachlorobenzene	16.52	284	89580	4.70	ng/ul	96
67) Atrazine	16.68	200	81139	4.37	ng/ul	99
68) Pentachlorophenol	16.86	266	34596	2.98	ng/ul	94
69) Phenanthrene	17.26	178	414282	4.72	ng/ul	99
71) Anthracene	17.35	178	410408	4.55	ng/ul	98
72) Carbazole	17.61	167	358365	4.41	ng/ul	98
73) Di-n-butylphthalate	18.17	149	447606	4.61	ng/ul	98
74) Fluoranthene	19.27	202	447565	4.45	ng/ul	99
77) Pyrene	19.64	202	456119	5.36	ng/ul	99
78) Butylbenzylphthalate	20.53	149	163891	4.74	ng/ul#	82
79) 3,3'-Dichlorobenzidine	21.32	252	105487	4.08	ng/ul	98
80) Benzo(a)anthracene	21.39	228	377536	4.63	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.31	149	233350	4.63	ng/ul#	97
82) Chrysene	21.43	228	350470	4.66	ng/ul	100
84) Di-n-octyl phthalate	22.21	149	338209	4.46	ng/ul	100
85) Benzo(b)fluoranthene	23.00	252	317758	4.51	ng/ul	99
86) Benzo(k)fluoranthene	23.04	252	290544	4.83	ng/ul	100
88) Benzo(a)pyrene	23.59	252	287672	4.65	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.01	276	307716	4.77	ng/ul	99
90) Dibenzo(a,h)anthracene	26.03	278	258193	4.75	ng/ul	99
91) Benzo(g,h,i)perylene	26.73	276	254946	4.81	ng/ul	98

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

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