

SEP-18-2001 10:12

NYSDEC ALBANY CO SPILLS

P.06/11

7.06/09

Table 1.x Results of the Analysis for Pesticide/PCDs in Soil
 WA# 52001 WTC Sediment Site
 Based on Dry Weight

Client ID Location Percent Solid Analyte	WTC-D2 Dredge-2		WTC-D3 Dredge-3	
	38		38	
	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg
a-BHC	U	8.8	U	8.8
g-BHC	U	8.8	U	8.8
h-BHC	U	8.8	U	8.8
Heptachlor	U	8.8	U	8.8
d-BHC	U	8.8	U	8.8
Aldrin	U	8.8	U	8.8
Heptachlor Epoxide	U	8.8	U	8.8
g-Chlordane	U	8.8	U	8.8
a-Chlordane	U	8.8	U	8.8
Endosulfan (I)	U	8.8	U	8.8
p,p'-D D E	23	8.8	19	8.8
Dieldrin	U	8.8	4.3	8.8
Endrin	U	8.8	U	8.8
p,p'-D D D	9.2	8.8	7.3	8.8
Endosulfan (II)	U	8.8	U	8.8
p,p'-D D T	U	8.8	U	8.8
Endrin Aldehyde	U	8.8	U	8.8
Endosulfan Sulfate	U	8.8	U	8.8
Methoxychlor	U	8.8	U	8.8
Endrin Ketone	U	8.8	U	8.8
Toxaphene	U	220	U	220
Aroclor 1016	U	110	U	110
Aroclor 1221	U	220	U	220
Aroclor 1232	U	110	U	110
Aroclor 1242	U	110	U	110
Aroclor 1248	U	110	U	110
Aroclor 1254	560 W	110	460 W	110
Aroclor 1260	380 W	110	430 W	110
Aroclor 1268	U	110	U	110

J - Estimated, less than MDL

U - Not Detected at MDL

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CITY_21MC100_006537214

SEP-18-2001 10:12

NYSDEC ALBANY CO SPILLS

P.07/11
7.07/03

Table 1.x Results of the Analysis for Pesticide/PCBs in Soil
 WA# 52001 WTC Sediment Site
 Based on Dry Weight

Client ID Location Percent Solid	SHL K091501 - 100		WTC-P1 Ponar-1 42		WTC-P2 Ponar-2 44		WTC-P3 Ponar-3 39		WTC-D1 Dredge-1 38	
Analytic	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg
a-BHC	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
g-BHC	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
b-BHC	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
Heptachlor	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
d-BHC	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
Aldrin	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
Heptachlor Epoxide	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
g-Chlordane	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
o-Chlordane	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
Endosulfan (I)	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
p,p'-DDE	U	3.3	26	7.9	12	7.6	14	8.5	22	8.8
Dieldrin	U	3.3	7.9 J	7.9	6.1 J	7.6	5.5 J	8.5	5.1 J	8.8
Endrin	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
p,p'-DDD	U	3.3	18	7.9	6.9 J	7.6	7.3 J	8.5	8.7 J	8.8
Endosulfan (II)	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
p,p'-DDT	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
Endrin Aldehyde	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
Endosulfan Sulfate	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
Methoxychlor	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
Endrin Ketone	U	3.3	U	7.9	U	7.6	U	8.5	U	8.8
Toxaphene	U	83	U	200	U	190	U	210	U	220
Aroclor 1016	U	42	U	99	U	95	U	110	U	110
Aroclor 1221	U	83	U	200	U	190	U	210	U	220
Aroclor 1232	U	42	U	99	U	95	U	110	U	110
Aroclor 1242	U	42	U	99	U	95	U	110	U	110
Aroclor 1248	U	42	U	99	U	95	U	110	U	110
Aroclor 1254	U	42	700 W	99	370 W	95	350 W	110	500 W	110
Aroclor 1260	U	42	510 W	99	280 W	95	280 W	110	400 W	110
Aroclor 1268	U	42	U	99	U	95	U	110	U	110

J - Estimated, less than MDL

U - Not Detected at MDL

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CITY_21MC100_006537215

NYC-WTC_000209330

The pesticide results, listed in Table 1.1, are calculated by using the following formula:

$$C_u = \frac{(DF)(A_u)(V_i)}{(RF_{ave})(V_i)(W)(D)}$$

where;

- C_u = Concentration of analyte ($\mu\text{g/kg}$)
- DF = Dilution Factor
- A_u = Area or peak height
- V_i = Volume of sample (mL)
- RF_{ave} = Average response factor
- V_i = Volume of extract injected (μL)
- W = Weight of sample (g)
- D = Decimal percent solids

Response Factor calculation:

The response factor for each specific analyte is calculated using the peak area (peak height) from the continuing calibration check as follows:

$$RF = \frac{A_u}{\text{total pg injected}}$$

where;

A_u = Area or peak height

and

$$RF_{ave} = \frac{RF_1 + \dots + RF_n}{n}$$

where:

n = number of samples,

Revision 3/9/00