FINAL REPORT
VACUUM DUST SAMPLING
CORNELL DUBILIER ELECTRONICS
SOUTH PLAINFIELD, NJ
JULY 1998

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1.0 INTRODUCTION

1.1 Objective of this Study

The objective of this project was to perform vacuum sampling to determine the extent of polychlorinated biphenyls (PCBs) contamination in residences located southwest of the Hamilton Industrial Park in South Plainfield, New Jersey. The Response Engineering Analytical Contract (REAC) was tasked by the United States Environmental Protection Agency/Environmental Response Team Center (U.S. EPA/ERTC) to collect and analyze the vacuum samples.

1.2 Site Background

The Hamilton Industrial Park, the former site of Cornell Dubilier Electronics, consists of ten buildings located at 333 Hamilton Blvd., South Plainfield, NJ, and is currently owned by D.S.C. of Newark Enterprises. The buildings are rented by thirteen small businesses. Prior on-site investigations have identified PCB contamination in the soil.

Initial residential vacuum sampling was previously performed by REAC. Based on the initial results, several houses which showed elevated PCB contamination were chosen for decontamination and re-sampling. The initial sampling area was also expanded to include houses further away from the site.

2.0 METHODOLOGY

On 21 through 28 April 1998, REAC personnel sampled thirty-six residences for PCBs using Nilfisk GS-80 High Efficiency Particulate Air (HEPA) vacuums.

The HEPA vacuum accessories consisted of a 3-in-1 floor nozzle, two connected 22" stainless steel straight tubes, a 6' 6" plastic hose, and a collection pan with a dedicated paper collection bag inside a GS-80 polyliner. The accessories were all replaced between samples to avoid cross contamination. The samples were collected by measuring a designated area of floor space in a room and vacuuming accumulated dust from the measured area. The designated sample area was initially 1 meter squared (m^2) but due to low sample mass it was increased and the area vacuumed was recorded. Visual inspection of the collection bag was used to determine if adequate sample was collected. Samples were collected from carpeted and non-carpeted areas. Between one and four samples were collected from each house. Sample area and number of samples were both dependent on the size of the residence and the volume of dust collected.

A total of sixty-four samples were collected. Thirty-seven initial samples were taken from twenty-seven houses which had not been previously sampled. Twenty-seven post-decontamination samples were taken from nine houses in which PCB contamination had been identified above the action level in the initial sampling events. These houses were, with the owner's permission, decontaminated and re-sampled to evaluate the effectiveness of the decontamination. In addition to the sixty-four samples taken from the residences in South Plainfield, NJ, one background sample was collected from an apartment in Edison, NJ. The samples were returned to REAC and the contents of the bags were screened through a 150-micron (μm) sieve. The samples were then weighed, transferred to an 8-ounce (oz.) glass jar and submitted for analysis. Tables 1 & 2 contain the vacuum sampling locations for initial and post-decontaminated houses, respectively. Sample area and mass can also be found in these tables. The dust samples were analyzed for PCBs using U.S. EPA Method 8080/SW-846, *Organochlorine Pesticides and PCBs.*

Field data sheets can be referenced in Appendix A.

3.0 RESULTS

The results of the PCB analysis in vacuum dust samples can be found in Tables 3 & 4. The final analytical report can be referenced in Appendix B.

4.0 DISCUSSION OF RESULTS

4.1 Initial Houses

Thirty-seven dust samples were collected from houses not previously sampled for PCB analysis during the sampling event of 21 through 28 April 1998. One sample showed levels of Aroclor 1242 above the method detection limit (MDL) (Sample #A13255, 409 Hamilton Blvd., Apt 2A) with a concentration of 3,600 micrograms per kilogram (μg/kg). Aroclor 1254 was detected above the MDL in seventeen samples. The samples ranged in concentration from 110 μg/kg (Sample #A13292, 215 Delmore Ave. Bedroom 1 & 2 Composite) to 21,000 μg/kg (Sample #A13258, 401 Hamilton Blvd. 2nd Apartment on Right). Four of these samples showed weathered Aroclor 1254. Weathering indicates that the Aroclor in question is present, but due to breakdown, most predominant peaks are present with some changed peak ratios. Thirteen samples showed levels of Aroclor 1254 below the MDL. One of these samples was the background sample (sample # 13308, 408 Forest Haven Blvd. livingroom/bedroom composite) collected from an apartment in Edison, NJ. The only Aroclor detected in the background sample was 1254, below the MDL at a concentration of 160 μg/kg. A total of three samples showed levels of Aroclor 1260 above the MDL. The samples ranged in concentration from 650 μg/kg (Sample #A13263, 135 Delmore Ave. 2nd Floor Composite) to 3,400 μg/kg (Sample #A13298, 119 Delmore Avenue). Two of these samples showed weathering. In one sample, Aroclor 1260 was detected below the MDL. Aroclors 1016, 1221, 1232, and 1248 were not found above the MDL. There were no Aroclors detected in the System Blank.

4.2 Post-decontamination Houses

Twenty-seven dust samples were collected for PCB analysis during the sampling event of 21 through 28 April 1998. Two of these samples were collected in residences where decontamination was refused by the owners (108 Spicer Ave and 130 Spicer Ave). These residences were re-sampled to evaluate concentration over time. Aroclor 1254 was detected above the MDL in 15 samples. In six of these samples it was detected above the MDL. The samples ranged in concentration from 130 μg/kg (Sample #A13269, 130 Spicer Ave. 2nd Floor Bedroom) to 27,000 μg/kg (Sample #A13273, 507 Hamilton Blvd. Living Room). Two of these samples showed weathering. Nine samples had Aroclors detected below the MDL. Five samples showed the presence of Aroclor 1260 above the MDL. The samples ranged in concentration from 330 μg/kg (Sample #A13296, 305 Spicer Ave. Basement) to 5,400 μg/kg (Sample #13275, 500 Garibaldi Ave. Living Room). Three of the five samples showed weathering. Aroclors 1016, 1221, 1232, 1242, and 1248 were not found above the MDL. There were no Aroclors detected in the System Blank.

Table 1
Initial Vacuum Sampling Locations
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

REAC Sample Number	Location	Sample Area (Square Meters)	Sample Mass (Grams)
13252	409 Hamilton Blvd., Apt. 1A Composite	24.9	15.05
13253	409 Hamilton Blvd., Apt. 1B Composite	19.3	1.38
13254	405 Hamilton Blvd., 1st Floor Living Room	10.0	43.63
13255	409 Hamilton Blvd., Apt. 2A Composite	21.4	1.20
13256	127 Delmore Ave., Living Room	26.3	0.96
13257	127 Delmore Ave., Bedroom Composite	21.0	6.74
13258	401 Hamilton Blvd., 2nd Apt. on Right, Composite	20.7	4.34
13259	405 Hamilton Blvd., 2nd Floor, Composite	32.1	1.98
13260	237 Delmore Ave., Composite	46.4	0.98
13261	201 Delmore Ave., Composite	26.9	0.72
13262	135 Delmore Ave., 1st Floor Composite	22.2	1.45
13263	135 Delmore Ave., 2nd Floor Composite	22.3	0.66
13274	346 Hamilton Blvd., Composite	41.1	2.52
13278	131 Delmore Ave., 2nd Floor Composite	20.5	5.06
13279	131 Delmore Ave., 1st Floor Nursery	6.9	0.03
13280	131 Delmore Ave., Living Room/Basement Composite	30.4	0.21
13281	123 Delmore Ave., 2nd Floor Composite	19.0	2.70
13282	123 Delmore Ave., 1st Floor Composite	22.8	9.64
13286	403 Hamilton Blvd., Composite	14.4	4.11
13287	207 Delmore Ave., Bedroom Composite	20.0	0.75
13288	207 Delmore Ave., Living Room/Foyer Composite	15.8	0.31
13289	115 Delmore Ave., 2nd Floor Composite	10.6	1.96

Table 1 (Cont'd)
Initial Vacuum Sampling Locations
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

REAC Sample Number	Location	Sample Area (Square Meters)	Sample Mass (Grams)
13290	115 Delmore Ave., 1st Floor Composite	14.7	5.31
13292	215 Delmore Ave., Bedroom Composite	6.3	2.61
13293	215 Delmore Ave., Living Room	7.0	11.66
13294	229 Delmore Ave., Living Room	15.1	1.30
13295	229 Delmore Ave., Bedroom/Hall Composite	6.0	1.33
13297	221 Delmore Ave., Living Room	6.5	35.39
13298	119 Delmore Ave., Living Room/Bedroom Composite	13.4	9.52
13299	510A Hamilton Blvd., Living Room/Nursery Composite	11.6	25.51
13300	221 Delmore Ave., 1st Floor Living Room/Dining Room Composite	10.6	0.67
13301	221 Delmore Ave., 1st Floor Bedroom	6.5	1.21
13302	221 Delmore Ave., Bedroom	3.6	1.62
13306	511 Hamilton Blvd., Living Room	11.4	4.93
13308	408 Forest Haven Blvd., Background	10.0	1.29
13309	511 Hamilton Blvd., Bedroom Composite	10.1	0.10
13312	501 Hamilton Blvd., Living Room	16.9	0.75
13313	501 Hamilton Blvd., Bedroom Composite	17.9	1.13

Table 2
Post-decontamination Vacuum Sampling Locations
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

REAC Sample Number	Location	Sample Area (Square Meters)	Sample Mass (Grams)
13264	204 Spicer Ave., Family Room	11.6	0.27
13265	204 Spicer Ave., Bedroom Composite	10	0.14
13266	204 Spicer Ave., Kitchen	1.5	0.11
13267*	130 Spicer Ave., First Floor Bedroom	2.1	26.93
13268*	130 Spicer Ave., First Floor Living Room	14.4	8.62
13269*	130 Spicer Ave., Second Floor Bedroom	3.4	2.08
13270*	130 Spicer Ave., Second Floor Living Room	8.6	0.74
13271	507 Hamilton Blvd., Playroom	27.0	3.21
13272	507 Hamilton Blvd., Dining Room	10.0	0.96
13273	507 Hamilton Blvd., Living Room	18.2	0.41
13275	500 Garibaldi Ave., Living Room	4.0	20.03
13276	500 Garibaldi Ave., Dining Room/Kitchen	3.0	8.50
13277	500 Garibaldi Ave., Bedroom	3.0	0.13
13283	501 Garibaldi Ave., Boy's Bedroom	14.1	0.49
13284	501 Garibaldi Ave., Work Room	11.5	0.09
13285	501 Garibaldi Ave., Living Room	7.3	0.30
13291	305 Spicer Ave., Living Room	1.4	2.60
13296	305 Spicer Ave., Basement	4.8	9.00
13303	320 Spicer Ave., Den	7.8	13.15
13304	214 Spicer Ave., Bedroom	4.0	0.01
13305	214 Spicer Ave., Hallway and Stairs	8.0	0.04
13307*	108 Spicer Ave., Stairs and Hallway	4.5	0.47
13310*	108 Spicer Ave., Bedroom Composite	17.0	0.02
13311*	108 Spicer Ave., Family Room	8.0	0.30
13314	214 Spicer Ave., Family Room	6.0	0.02
14253	320 Spicer Ave., Hallway	7.5	3.48
14254	320 Spicer Ave., Living Room	5.6	1.35

*.denotes that the resident declined decontamination, location was re-sampled

Table 3
Analysis of Vacuum Dust for PCBs in Initial Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID Location	A13252 409 Hamilton Blvd. Apt. 1A		A13253 409 Hamilton Blvd. Apt. 1B		A 13254 405 Hamilton Blvd. 1st Floor		A13255 409 Hamilton Blvd. Apt. 2A		A13256 127 Delmore Ave. Living Room/Kitchen Composite	
AROCLOR	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
1016	U	400	U	900	U	300	U	1,000	U	1,300
1221	U	400	U	1,800	U	500	U	2,100	U	2,600
1232	U	400	U	900	U	300	U	1,000	U	1,300
1242	U	400	U	900	U	300	3,600	1,000	U	1,300
1248	U	400	U	900	U	300	U	1,000	U	1,300
1254	450 W	400	430 J	900	3,300	300	2,400 W	1,000	370 J	1,300
1260	U	400	U	900	780 W	300	U	1,000	U	1,300

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered

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Table 3 (cont'd)
Analysis of Vacuum Dust for PCBs in Initial Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID Location	A13257 127 Delmore Ave. Bedroom		A13258 401 Hamilton Blvd. 2nd Apt. on Right		A13259 405 Hamilton Blvd. 2nd Floor		A13260 237 Delmore Ave. Composite		A13261 201 Delmore Ave. Composite	
AROCLOR	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
1016	U	300	U	300	U	600	U	1,300	U	1,700
1221	U	500	U	600	U	1,300	U	2,600	U	3,500
1232	U	300	U	300	U	600	U	1,300	U	1,700
1242	U	300	U	300	U	600	U	1,300	U	1,700
1248	U	300	U	300	U	600	U	1,300	U	1,700
1254	480	300	21,000	300	400 J	600	2,800	1,300	420 J	1,700
1260	U	300	U	300	U	600	U	1,300	U	1,700

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered

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Table 3 (cont'd)
Analysis of Vacuum Dust for PCBs in Initial Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID	A13262		A13263		A13274		A13278		A13279	
Location	135 Delmore Ave. 1st Floor Composite		135 Delmore Ave. 2nd Floor Composite		346 Hamilton Blvd. Composite		131 Delmore Ave. Upstairs Composite		131 Delmore Ave. Nursery	
AROCLOR	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
1016	U	900	U	1,900	U	500	U	200	U	42,000
1221	U	1,700	U	3,800	U	1,000	U	500	U	83,000
1232	U	900	U	1,900	U	500	U	200	U	42,000
1242	U	900	U	1,900	U	500	U	200	U	42,000
1248	U	900	U	1,900	U	500	U	200	U	42,000
1254	980	900	1,000 J	1,900	880	500	470	200	U	42,000
1260	U	900	650 J	1,900	U	500	U	200	U	42,000

PCBs polychlorinated biphenyls
MDL method detection limit
μg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered

Table 3 (cont'd)
Analysis of Vacuum Dust for PCBs in Initial Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID Location	A13280 131 Delmore Ave. Living Room/Den Composite		A13281 123 Delmore Ave. 2nd Floor Composite		A13282 123 Delmore Ave. 1st Floor Apartment		A13286 403 Hamilton Blvd. Composite		A13287 207 Delmore Ave. Bedroom Composite	
AROCLOR	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
1016	U	6,000	U	500	U	300	U	300	U	1,700
1221	U	12,000	U	900	U	500	U	600	U	3,300
1232	U	6,000	U	500	U	300	U	300	U	1,700
1242	U	6,000	U	500	U	300	U	300	U	1,700
1248	U	6,000	U	500	U	300	U	300	U	1,700
1254	U	6,000	160 J	500	140 J	300	1,000	300	U	1,700
1260	U	6,000	U	500	U	300	U	300	U	1,700

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered

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Table 3 (cont'd)
Analysis of Vacuum Dust for PCBs in Initial Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID	A13288		A13289		A13290		A13292		A13293	
Location	207 Delmore Ave. Living Room/Foyer Composite		115 Delmore Ave. 2nd Floor Apartment		115 Delmore Ave. 1st Floor Apartment		215 Delmore Ave. Bedroom 1 & 2 Composite		215 Delmore Ave. Living Room	
AROCLOR	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
1016	U	4,000	U	600	U	200	U	500	U	300
1221	U	8,100	U	1,300	U	500	U	1,000	U	500
1232	U	4,000	U	600	U	200	U	500	U	300
1242	U	4,000	U	600	U	200	U	500	U	300
1248	U	4,000	U	600	U	200	U	500	U	300
1254	U	4,000	410 J	600	2,400	200	110 J	500	180 J	300
1260	U	4,000	U	600	1,300	200	U	500	U	300

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered

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Table 3 (cont'd)
Analysis of Vacuum Dust for PCBs in Initial Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID	A13294		A13295		A13297		A13298		A13299	
Location	229 Delmore Ave. Living Room/TV Room Composite		229 Delmore Ave. Bedroom/ Hall Composite		221 Delmore Ave. 2nd Floor Living Room/TV Room		119 Delmore Ave. Living Room/Bedroom Composite		510 A Hamilton Blvd. Living Room/Nursery Composite	
AROCLOR	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
1016	U	1,000	U	900	U	300	U	300	U	300
1221	U	1,900	U	1,900	U	500	U	500	U	500
1232	U	1,000	U	900	U	300	U	300	U	300
1242	U	1,000	U	900	U	300	U	300	U	300
1248	U	1,000	U	900	U	300	U	300	U	300
1254	110 J	1,000	180 J	900	370 W	300	9,000	300	390	300
1260	U	1,000	U	900	U	300	3,400 W	300	U	300

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered

Table 3 (cont'd)
Analysis of Vacuum Dust for PCBs in Initial Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID Location	A13300 221 Delmore Ave. 1st Floor Living Room/TV Room		A13301 221 Delmore Ave. 1st Floor Bedroom		A13302 221 Delmore Ave. 2nd Floor Rear Bedroom		13306 511 Hamilton Blvd. Living Room		13308 408 Forest Haven Blvd. Living Room/Bedroom Composite	
AROCLOR	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
1016	U	1,900	U	1,000	U	800	U	300	U	1,000
1221	U	3,700	U	2,100	U	1,500	U	500	U	1,900
1232	U	1,900	U	1,000	U	800	U	300	U	1,000
1242	U	1,900	U	1,000	U	800	U	300	U	1,000
1248	U	1,900	U	1,000	U	800	U	300	U	1,000
1254	U	1,900	U	1,000	350 J	800	250 W	300	160 J	1,000
1260	U	1,900	U	1,000	U	800	U	300	U	1,000

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered

Table 3 (cont'd)
Analysis of Vacuum Dust for PCBs in Initial Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID	13309		13312		13313	
Location	511 Hamilton Blvd. Bedroom		501 Hamilton Blvd. Living Room		501 Hamilton Blvd. Bedroom	
AROCLOR	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg
1016	U	13,000	U	1,700	U	1,100
1221	U	25,000	U	3,300	U	2,200
1232	U	13,000	U	1,700	U	1,100
1242	U	13,000	U	1,700	U	1,100
1248	U	13,000	U	1,700	U	1,100
1254	U	13,000	U	1,700	1,300	1,100
1260	U	13,000	U	1,700	U	1,100

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered

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Table 4
Analysis of Vacuum Dust for PCBs in Post-decontamination Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID Location	A13264 204 Spicer Ave. Family Room		A13265 204 Spicer Ave. Bedroom		A13266 204 Spicer Ave. Kitchen		A13267* 130 Spicer Ave. 1st Floor Bedroom 1		A13268* 130 Spicer Ave. 1st Floor Living Room	
AROCLOR	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
1016	U	4,600	U	8,900	U	11,000	U	400	U	300
1221	U	9,300	U	18,000	U	23,000	U	800	U	500
1232	U	4,600	U	8,900	U	11,000	U	400	U	300
1242	U	4,600	U	8,900	U	11,000	U	400	U	300
1248	U	4,600	U	8,900	U	11,000	U	400	U	300
1254	U	4,600	U	8,900	U	11,000	270 J	400	180 J	300
1260	U	4,600	U	8,900	U	11,000	U	400	U	300

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weather
* denotes that the resident declined decontamination, location was re-sampled

Table 4 (cont'd)
Analysis of Vacuum Dust for PCBs in Post-decontamination Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID	A13269*		A13270*		A13271		A13272		A13273	
Location	130 Spicer Ave. 2nd Floor Boys Bedroom		130 Spicer Ave. 2nd Floor Living Room		507 Hamilton Blvd. Playroom		507 Hamilton Blvd. Dining Room		507 Hamilton Blvd. Living Room	
AROCLOR	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
1016	U	600	U	1,700	U	400	U	1,300	U	3,000
1221	U	1,200	U	3,400	U	800	U	2,600	U	6,100
1232	U	600	U	1,700	U	400	U	1,300	U	3,000
1242	U	600	U	1,700	U	400	U	1,300	U	3,000
1248	U	600	U	1,700	U	400	U	1,300	U	3,000
1254	130 J	600	1,100 J	1,700	920	400	9,800	1,300	27,000	3,000
1260	U	600	U	1,700	U	400	2,400	1,300	4,700 W	3,000

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered
* denotes that the resident declined decontamination, location was re-sampled

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Table 4 (cont'd)
Analysis of Vacuum Dust for PCBs in Post-decontamination Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID Location	A13275 500 Garibaldi Ave. Living Room		A13276 500 Garibaldi Ave. Dining Room/Kitchen Composite		A13277 500 Garibaldi Ave. Bedroom		A13283 501 Garibaldi Ave. Boy's Bedroom		A13284 501 Garibaldi Ave. Work Room	
AROCLOR	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
1016	U	300	U	300	U	10,000	U	2,600	U	14,000
1221	U	500	U	500	U	19,000	U	5,100	U	28,000
1232	U	300	U	300	U	10,000	U	2,600	U	14,000
1242	U	300	U	300	U	10,000	U	2,600	U	14,000
1248	U	300	U	300	U	10,000	U	2,600	U	14,000
1254	U	300	10,000	300	3,400 J	10,000	U	2,600	U	14,000
1260	U	300	5,400	300	U	10,000	U	2,600	U	14,000

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered
* denotes that the resident declined decontamination, location was re-sampled

Table 4 (cont'd)
Analysis of Vacuum Dust for PCBs in Post-decontamination Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID	A13285		A13291		A13296		13303		13304	
Location	501 Garibaldi Ave. Living Room		305 Spicer Ave. Living Room		305 Spicer Ave. Basement		320 Spicer Ave. Den		214 Spicer Ave. Bedroom	
AROCLOR	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
1016	U	4,200	U	500	U	300	U	400	U	130,000
1221	U	8,300	U	1,000	U	500	U	800	U	250,000
1232	U	4,200	U	500	U	300	U	400	U	130,000
1242	U	4,200	U	500	U	300	U	400	U	130,000
1248	U	4,200	U	500	U	300	U	400	U	130,000
1254	660 J	4,200	750	500	1,400 W	300	150 J	400	U	130,000
1260	U	4,200	560 W	500	330 W	300	U	400	U	130,000

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered
* denotes that the resident declined decontamination, location was re-sampled

2011861

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Table 4 (cont'd)
Analysis of Vacuum Dust for PCBs in Post-decontamination Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID Location	13305 214 Spicer Ave. Hallway		13307* 108 Spicer Ave. Stairs		13310* 108 Spicer Ave. Bedroom		13311* 108 Spicer Ave. Family Room		13314 214 Spicer Ave. Family Room	
AROCLOR	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
1016	U	31,000	U	2,700	U	63,000	U	4,200	U	63,000
1221	U	63,000	U	5,300	U	130,000	U	8,300	U	130,000
1232	U	31,000	U	2,700	U	63,000	U	4,200	U	63,000
1242	U	31,000	U	2,700	U	63,000	U	4,200	U	63,000
1248	U	31,000	U	2,700	U	63,000	U	4,200	U	63,000
1254	U	31,000	U	2,700	U	63,000	U	4,200	U	63,000
1260	U	31,000	U	2,700	U	63,000	U	4,200	U	63,000

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered
* denotes that the resident declined decontamination, location was re-sampled

Table 4 (cont'd)
Analysis of Vacuum Dust for PCBs in Post-decontamination Residences
Cornell Dubilier Electronics
South Plainfield, NJ
July 1998

Sample ID Location	14253 320 Spicer Ave. Hallway		14254 320 Spicer Ave. Living Room	
AROCLOR	Conc. µg/kg	MDL µg/kg	Conc. µg/kg	MDL µg/kg
1016	U	400	U	900
1221	U	700	U	1,900
1232	U	400	U	900
1242	U	400	U	900
1248	U	400	U	900
1254	160 J	400	130 J W	900
1260	U	400	U	900

PCBs polychlorinated biphenyls
MDL method detection limit
µg/kg micrograms per kilogram
U not detected above the MDL
J detected below the MDL
W weathered
* denotes that the resident declined decontamination, location was re-sampled

201863

APPENDIX A
Field Data Sheets
Cornell Dubilier Electronics
South Plainfield, NJ
Final Report
July 1998

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347/42001 226201

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/29/98

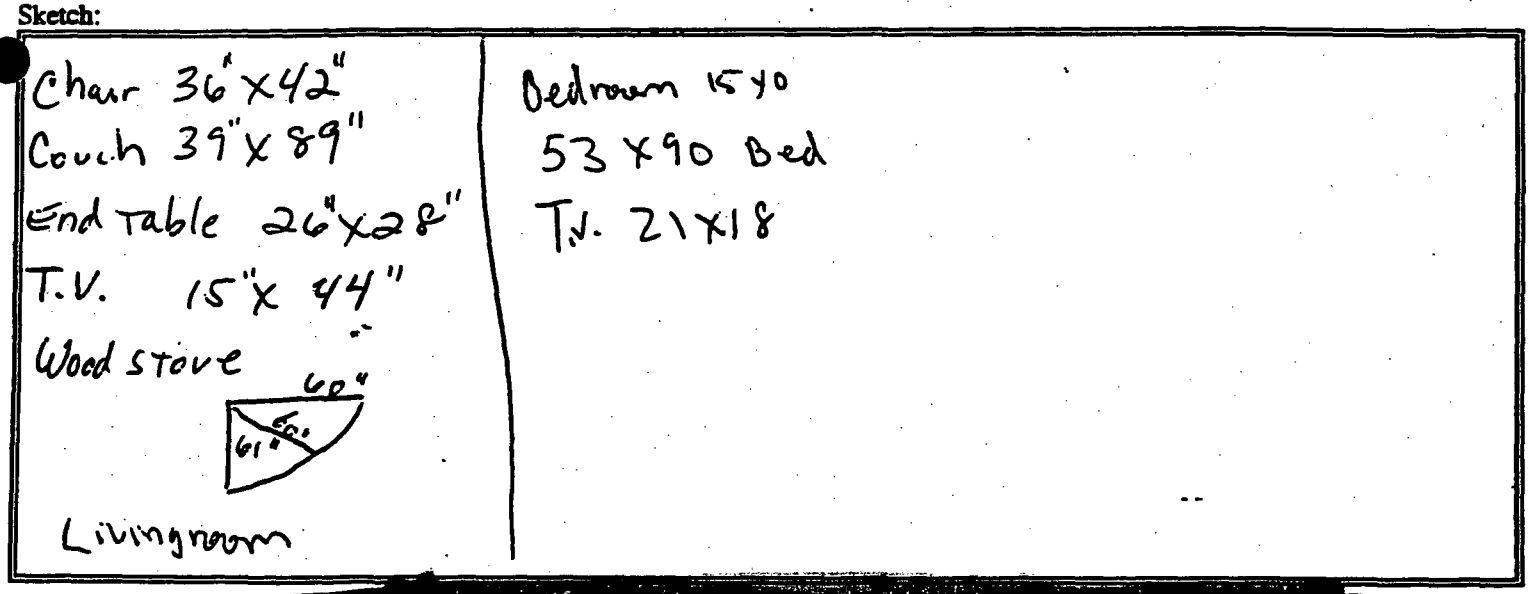
REAC Task Leader: L Robbins

Location (s) of area sampled	Area (Units:)
Livingroom (T.V.)	183"X183" (Total room size) = 16.9M²
Bedroom (5 y/o) (measured area vaccumed)	71 X 121, 53 X 34, 39 X 56
Bedroom	186 X 117, (Total room size) 37 X 22
Composite	
	Total Area Sampled =

Type of surface: Carpet · Style: Plush (Level Loop) (Multilevel) Shag Other

Floor Hardwood Cement Tile Vinyl Other

Sketch:



Comments: [redacted]

Date Sieved: 4/30/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 0.759 (LR) g (Fine Dust)

Dust Loading: 0.04 (LR) g/m² 1.13 (BR)

0.06 (BR

201865

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Corne 11

WA#: 03347142001 226201

Sampler: Robbins/Morgan W

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/29/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units:)
Livingroom (area measured & area vacuumed)	106 X 115, 34 X 93, 39 X 57 11.4 m²
Bedroom Master (composite)	25X91, 41X66, 34X98 → 10.1 m²
Bedroom Drawings (3) (composite)	63X87, 23X39, 23X39
	Total Area Sampled =

Type of surface: Carpet · Style: Plush **Level Loop** Multilevel Shag Other

Floor Hardwood Cement Tile Vinyl Other

Sketch:

Table 30 X 15

Comments:

Date Sieved: 4/30/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 4.93 (LR) g (Fine Dust)
0.10 (BR)

Dust Loading: 0.43 (LR) g/m²
0.01 (BR)

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Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell Dubilier WA#: 2-262

Sampler: Robbins U.S. EPA/ERTC WAM: Burchette

Date: 4/30/98 REAC Task Leader: Robbins

Location (s) of area sampled	Area (Units:)
Living Room / Bedroom Comp	
	Total Area Sampled =

Type of surface: Carpet Style: Plush (Level Loop) Multilevel Shag Other

Floor (Hardwood) Cement Tile Vinyl Other

Sketch:

Comments:

Date Sieved: 4/30/98 Total Dust = _____ g Sieve No. 150 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 1.29 g (Fine Dust)

Dust Loading: _____ g/m²

201867

13380 - Living Room / Dining Room

Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142101226201

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/29/98

REAC Task Leader: L. Robbins

Location (s) of area sampled	Area (Units: ____)
Living room / D.V. / composite	55x124, 69x34 → 10.6 m²
Dining room	76x166
Bedroom	66x32, 67x34, 96x25, 55x27 6.51
	40x22, 48x18
	Total Area Sampled =

Type of surface: Carpet · Style: Plush Level Loop Multilevel Shag Other

Floor Hardwood Cement Tile Vinyl Other

Sketch:

72x75 Desk + ground clutter Dining room

Comments: [redacted]

Date Sieved: 4/29/98 Total Dust = ____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: ____ g - Pan Tare Wt: ____ g = Net Wt: 0.67 (LR) g (Fine Dust)

1.21 (BR)

Dust Loading: 0.06 (LR) g/m²

0.19 (BR)

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U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001226201

Sampler: Robbins/Morgandi

U.S. EPA/ERTC WAM: S. Burchett

Date: 4/24/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units:)
Living room (T.V.)	126 x 116
Nursery	96 x 69
	Total Area Sampled = 11.6 M^2

Type of surface: Carpet · Style: Plush (Level Loop) Multilevel Shag Other

Floor Hardwood Cement Tile Vinyl Other

Sketch:

Chair 31 x 31
16 x 20
43 x 34

Needs Flyer

Comments: [redacted]

Date Sieved: _____ Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 25.51 g (Fine Dust)

Dust Loading: 2.20 g/m^2

201869

#13498 - Livingroom/Bedroom Composite

Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347/42001/2262

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/24/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units:)
Livingroom	109x144
Bedroom	67x112, 23x37
	Total Area Sampled = 13.4 m²

Type of surface: Carpet · Style: Plush Level Loop Multilevel Shag Other

Floor Hardwood Cement Tile (Vinyl) Other Bedroom/Wood

Sketch:

Couch 74x34

Throw rug on floor in Bedroom - sampled

Comment

Date Sieved: 4/27/98 Total Dust = ____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: ____ g - Pan Tare Wt: ____ g = Net Wt: 9.52 g (Fine Dust)

Dust Loading: 0.71 g/m²

201870

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 033471420001 226201

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/24/98

REAC Task Leader: L Robbins

Location (s) of area sampled	Area (Units:)
Livingroom (T.V.)	47X72, 114X75 6.5 m^2
Bedroom	128X25, 26X64, 15X50 3.6 m^2
	Total Area Sampled =

Type of surface: Carpet Floor · Style: Plush Hardwood Level Loop Cement Multilevel Tile Shag Vinyl Other Other

Sketch:

Chair + Ground clutter 50X36

only area vacuumed was measured

Comment: [redacted]

Date Sieved: 4/27 Total Dust = ____ g Sieve No. 160 Particle size retention: 150 µm

Pan & Sample Wt: ____ g - Pan Tare Wt: ____ g = Net Wt: 35.39 (LR) 1.62 (BR) g (Fine Dust)

Dust Loading: 5.44 (LR) 0.45 (BR) g/m^2

201871

II 1S C19 - Living room [illegible] Bedroom/Hall Composite Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Connell

WA#: 03347142001 226701

Sampler: Robins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/24/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units: ________)
Livingroom / T.V.	~~10x7~~ 107 x 122, 129 x 122 15.1 m²
Bedroom } Composite	43 x 100, 20 x 37, 21 x 74 → 6.0 m²
Hall	41 x 45, 29 x 29
	Total Area Sampled =

Type of surface: Carpet · Style: Plush · **(Level Loop)** · Multilevel · Shag · Other

Floor · Hardwood · Cement · Tile · Vinyl · Other

Sketch:

Loveseat 54 x 31
Chair 33 x 34
Couch 94 x 32
Coffee table 20 x 48
Heater 13 x 46

Livingroom / T.V.

Bedroom (only area vacuumed measured.)

Vacuumed sat 4/19/98 House is being renovated

Comments [redacted]

Date Sieved: 4/27/98 Total Dust = ________ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: ________ g - Pan Tare Wt: ________ g = Net Wt: 1.30 g (LR) g (Fine Dust)
1.33 (BR)

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Dust Loading: 0.09 (LR) g/m²
0.22 (BR)

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 033471420012262.01

Sampler: Robbins/Margaretti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/24/98

REAC Task Leader: L Robbins

Location (s) of area sampled	Area (Units: _____)
Living room	56 X 106, 55 X 46, 35 X 39, 35 X 30
Bedroom #1 Right / composite	85 X 65 → 6.3 m²
Bedroom 2 Left /	14 X 107, 80 X 21, 21 X 48
	Total Area Sampled =

Type of surface: Carpet · Style: Plush (Level Loop) Multilevel Shag Other
Floor Hardwood Cement Tile Vinyl Other

Sketch:

only areas measured were vacuumed

Comment: [redacted]

Date Sieved: 4/27/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 11.66 g (LR) g (Fine Dust)

Dust Loading: 1.68 (LR) 2.61 (BR) g/m² 201873
0.41 (BR)

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347/14200/22620

Sampler: Robins/Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/23/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units:)	
Bedroom (Bed not included	45x134, 56x54	5.8m²
TV/Livingroom ~~(Furniture not included~~	139" x108	8.9m²
	Total Area Sampled =	14.7

Type of surface: Carpet · Style: Plush **Level Loop** Multilevel Shag Other
Floor Hardwood Cement Tile Vinyl Other

Sketch:

Couch not included in overall measurement.
Chair 38x32

Comments: [redacted]

Date Sieved: 4/24/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 5.31 g (Fine Dust)

Dust Loading: 0.36 g/m²

201874

#1508 composite

Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347/42001 2.11001

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/23/98

REAC Task Leader: K Robbins.

Location (s) of area sampled	Area (Units:)
Livingroom	48X88", 34"X27", 59X27
Bedroom	29X64
Bedroom Master	38X93, 102X32, 18X40
Bedroom Child	95X79
	Total Area Sampled = 10.6 m^2

Type of surface: Carpet · Style: Plush (Level Loop) Multilevel Shag Other
Floor Hardwood Cement Tile Vinyl Other

Sketch:

only area's vacuumed were measured

Comments:

Date Sieved: 4/24/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 1.96 g (Fine Dust)

Dust Loading: 0.18 g/m^2

201875

13287 - Bedroom Composite # 13288 - Living Rm/Foyer Page ___ of ___

U.S. EPA/Environmental Response Team Center

Response Engineering Analytical Contract

Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell WA#: 03347.042.001.226201

Sampler: Robbins / Morgan U.S. EPA/ERTC WAM: S. Burchette

Date: 4/23/98 REAC Task Leader: L. Robbins

Location (s) of area sampled	Area (Units: ____)
Living room / T.V. Room / composite	195 X 131 11.9 m² → 15.8 m²
Rug in Foyer	67 X 90 3.9 m²
Bedroom 1st FL (Bed not included)	113 x 89, 40 x 59 → BR comp 20.0 m²
Bedroom 2nd FL child	98 x 77, 50 x 26
	Total Area Sampled =

Type of surface: Carpet · Style: Plush (Level Loop) Multilevel Shag Other

Floor Hardwood Cement Tile Vinyl Other

Sketch:

T.V. 47 X 23

Love seat 62 X 30

Couch 78 X 35

End Table 26 X 26 (X 2)

Desk + Table 64 X 26 Bedroom 1st FL

Bedroom 2nd FL Bed and Tody areas not included

Master 115 X 166 Bureau not included

Bed 62 X 80, 114 X 17

Dresser 36 X 20

(Bedrooms composited.)

Comments: [redacted]

Date Sieved: ____ Total Dust = ____ g Sieve No. 108 Particle size retention: 150 µm

Pan & Sample Wt: ____ g - Pan Tare Wt: ____ g = Net Wt: 0.319 (LR) g (Fine Dust)

Dust Loading: 0.02 (LR) g/m² 0.75 g (BR Comp)

0.04 (BR)

201876

13286 - Composite

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001 226701

Sampler: Robbins/Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/23/98

REAC Task Leader: Jr Robbins

Location (s) of area sampled	Area (Units: M^2)	
Living room	110 x 48 64 x 40	6.6 m^2
Bedroom	118 x 47	3.6 m^2
Bedroom	98 x 48, 29" x 60	4.2 m^2
	Total Area Sampled =	14.4

Type of surface: Carpet · Style: Plush Level Loop Multilevel Shag Other
Floor Hardwood Cement Tile Vinyl Other

Sketch:

Living room Sectional & Ent. Cents Not included.

Vacuumed 4/22/98

Comments: [redacted]

Date Sieved: _____ Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 4.11 g (Fine Dust)

Dust Loading: 0.28 g/m^2

201877

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 033471420012226201

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S Burchette

Date: 4/23/98

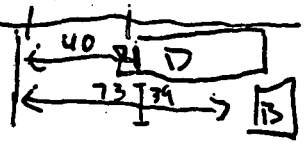
REAC Task Leader: L. Robbins

Location (s) of area sampled	Area (Units:)
Living room (Sofa not included)	92 x 149
Office / Dining room	73 x 39, 40 x 21
Bedroom	209 x 136, 92 x 68
	Total Area Sampled = 22.8 m^2

Type of surface: Carpet · Style: Plush (Level Loop) Multilevel Shag Other
Floor Hardwood Cement Tile Vinyl Other

Sketch:

~~Coffee Table~~
Ottoman 33 x 33
TV Stand 16 x 32
Front of Desk 73 x 39
Front to Door 40 x 21



Bedroom
Bed 64 x 86
Night Stand 16 x 24 x 2
Dresser 63 x 22
Rocking Chair 26 x 30
TV 26 x 20
Dressing Table 26 x 21
Wall by window 13 x 84
Suitcase + Dresser 48 x 19

(Composite)

Comments: [redacted]

Date Sieved: 4/24/98 Total Dust = ____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: ____ g - Pan Tare Wt: ____ g = Net Wt: 9.64 g (Fine Dust)

Dust Loading: 0.42 g/m^2

201878

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001 7/26/01

Sampler: Robbins | Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/23/01

REAC Task Leader: K Robbins.

Location (s) of area sampled	Area (Units: ____)
LWingroom	120x159
Bedroom	142x155
	Total Area Sampled = 19.0 m²

Type of surface: Carpet · Style: Plush Level Loop Multilevel Shag Other

Floor Hardwood Cement Tile Vinyl Other

Sketch:

TV 18x48 Bed 80x52

Couch 40x97 — 155x25 - Closet Dresser Hamper table end table

Coffee table 23x54 15x28 Book case

Book case 16x30 24x18 Night stand x2

Book case 13x30

Composite

Comments: [redacted]

[redacted]

Date Sieved: 4/24 Total Dust = ____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: ____ g - Pan Tare Wt: ____ g = Net Wt: 2.70 g (Fine Dust)

Dust Loading: 0.14 g/m²

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#13279 - Nursery #13280 Living Room/Den (Basement)

Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142101 226201

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/23/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units:)
Livingroom (Sectional not included)	103 X 150 > 30.4 m²
Basement	187 X 95, 121 X 158
Nursery	111 X 132 6.9 m²
	Total Area Sampled =

Type of surface: Carpet · Style: Plush Level Loop Multilevel Shag Other

Floor Hardwood Cement Tile Vinyl Other

Sketch:

Basement
81 X 37 couch
61 X 37 Loveseat

Nursery
32 X 56 crib
35 X 19 Dresser
33 X 24 Dressing Table
27 X 25 Feeding Table

Composite of LivRm + Basement

Comments: [redacted]

Date Sieved: 4/24/98 Total Dust = ____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: ____ g - Pan Tare Wt: ____ g = Net Wt: 0.21 (LR/Bas) g (Fine Dust)
0.03 (Nursery)

Dust Loading: 0.007 (LR/Bas) g/m²
0.004

201880

#13248 - Cornell

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347 147 001 226201

Sampler: Robbins/Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/23/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units:)
TV Room (TV-couch, wall-loveseat)	103 X 87
Hall	71 X 45, 46 X 71, 51 X 67
Bedroom	140 x 152
	Total Area Sampled = 20.5 m²

Type of surface: Carpet · Style: Plush (Level Loop) Multilevel Shag Other
Floor Hardwood Cement Tile Vinyl Other

Sketch:

TV Room
Coffee Table 36X36

Bedroom
100 X 66 Bed
25 x 24 Night Stand x2
12 x 24 Cabinet X2
24 X 34 VCR Storage Rack

Composite

Comments: [redacted]

[redacted]

Date Sieved: 4/24/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 5.06 g (Fine Dust)

Dust Loading: 0.25 g/m²

201881

#13274

Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001226201

Sampler: Robbins / Morgandi

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/22/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units:)
Living room	136" x 154"
office / Dining room	168" x 125"
Kitchen	132" x 185" + 35" x 48"
Bedroom	134 x 109
	Total Area Sampled = 41.1 M^2

Type of surface: (Carpet) · Style: Plush (Level Loop) Multilevel Shag Other

Floor Hardwood Cement Tile (Vinyl) Other

Sketch:

Living room
Luv seat 42x65
Couch 40x90
Ent. cent. - Not included in overall Room measurement
Chair 64x35 - Includes Area behind Chair
Office / Dining room
Desk 32"x60"
Coffee Table 29"x56"
Book case 50"x13"
Kitchen - Counter & Refrig not included in overall measurement

Kitchen

Bedroom
Bed 66" x 80"
2 x Night 17"x25"

Comments: [redacted]

Date Sieved: 4/23/98 Total Dust = ____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: ____ g - Pan Tare Wt: ____ g = Net Wt: 2.529 g (Fine Dust)

Dust Loading: 0.06 g/m²

201882

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

REAC

Site: Cornell

WA#: 03347142001 2262 01

Sampler: Robbins/Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/22/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units: ________)
Livingroom	185" X 140"
Kitchen	99 X 115
Hall	35 X 142
Bedroom	140 X 142
	Total Area Sampled = 22.3 m²

Type of surface: Carpet · Style: Plush (Level Loop) Multilevel Shag Other

Floor Hardwood Cement Throw Tile (Vinyl) kitchen Other

Sketch:

Livingroom
Couch 39" X 80"
Chair 37" X 41"
Desk 20" X 45"

Bedroom
Bed 55" X 84"
Dresser 18 X 48
Dresser 18 X 48
Dresser 16 X 32

Spare 108 X 118"
Dresser 21" X 42"
Chair 29" X 33"
Hamper 21" X 12"
Bookcase 10" X 37"

Comments: [redacted]

Date Sieved: 4/23/98 Total Dust = ________ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: ____________ g - Pan Tare Wt: ____________ g = Net Wt: 0.66 g (Fine Dust)

Dust Loading: 0.03 g/m²

201883

#13264

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347 142001 22620

Sampler: Robbins / Morgan

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/22/98

REAC Task Leader: T Robbins

Location (s) of area sampled	Area (Units:)
Livingroom	138" X 185"
Bedroom 1 (to Right)	124" X 138"
Bedroom 2 (Left)	140" X 142"
Hall	124 X 35"
	Total Area Sampled = 22.2 m^2

Type of surface: (Carpet) Floor · Style: Plush Hardwood Cement (Level Loop) Tile Multilevel (Vinyl) Shag Other Other

Sketch:

Livingroom:
35" X 78" couch
42" X 35" chair
31 X 32 chair

Bedroom 1
Bed 42" X 84"
Dresser 18" X 40"
Dresser 18" X 30"

Bedroom 2
Bed 1 42 X 84
Bed 2 42 X 84
Dresser 18" X 35
Dresser 18" X 52

kitchen

Comments: [redacted]

Date Sieved: 4/23/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 1.45 g (Fine Dust)

Dust Loading: 0.07 g/m^2

201884

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001/226201

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/29/98

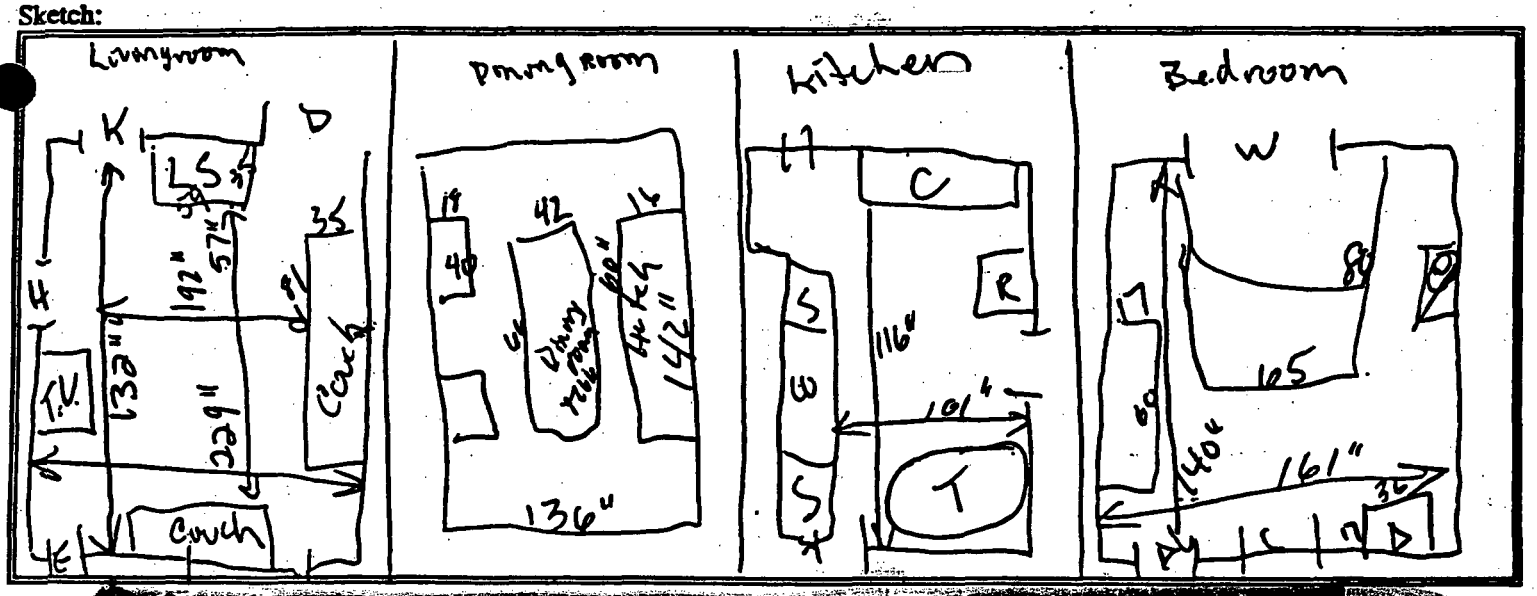
REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units:)
Hall	35" X 158"
	Total Area Sampled = 26.9 m²

Type of surface: Carpet · Style: Plush Level Loop Multilevel Shag Other

Floor Hardwood Cement Tile Vinyl Other

Sketch:



Comments:

Sieved: 4/23/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 0.72 g (Fine Dust)

Dust Loading: 0.03 g/m²

201885

#13760

Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001226 2

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

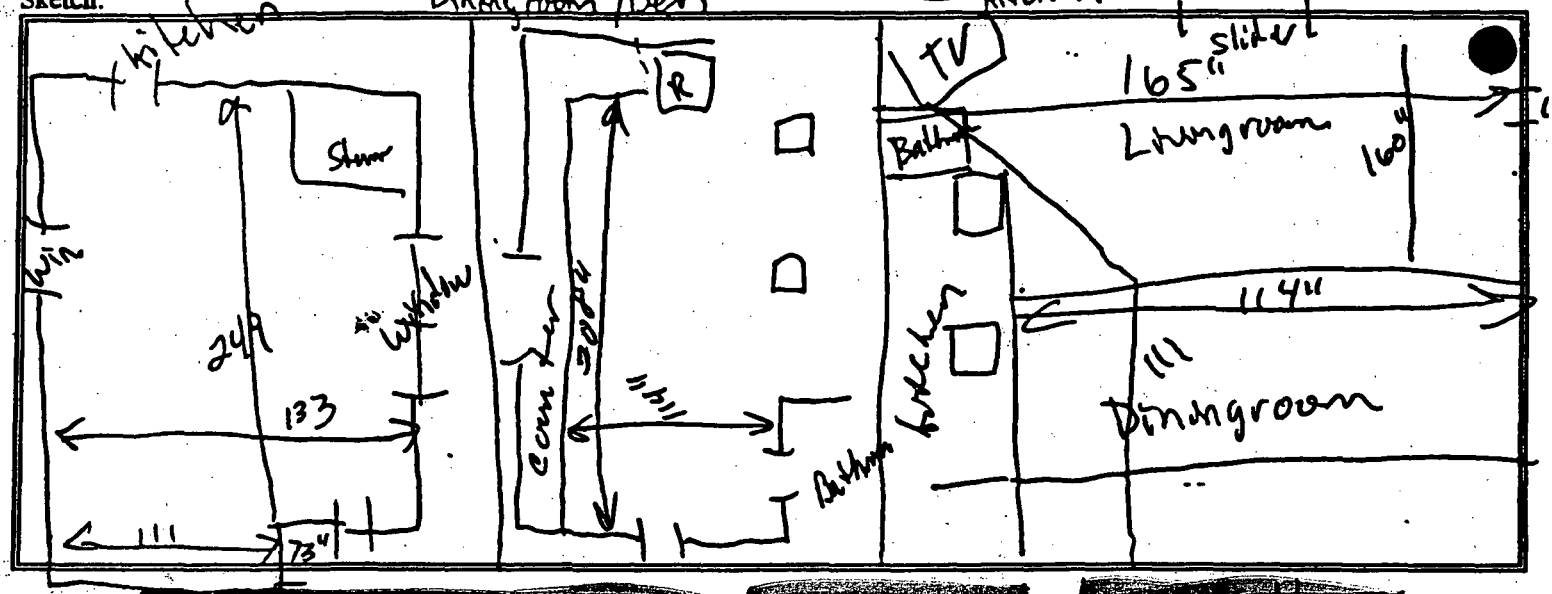
Date: 4/20/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units: M^2)	
Livingroom	249" X 133"	21.3
Diningroom	111 X 114	8.1
	160 X 165	17.0
	Total Area Sampled =	46.4 M^2

Type of surface: Carpet · Style: Plush **Level Loop** Multilevel Shag Other
Floor **Hardwood** Cement **Tile** Vinyl Other

Sketch:



Comments:

Date Sieved: 4/24/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 0.98 g (Fine Dust)

Dust Loading: 0.02 g/m^2

201886

13253

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98 Samplers: Robbins/Morgan
Time: _____ Site Name: Cornell
Sample Location: 409 Hamilton Apt. 1B

Chain of Custody No.: _____
REAC Task Leader: Ken Robbins
EPA WAM: S. Blanchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, (residential), hedgerows; old field, wooded, farmland, gully, floodplain; upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat
color _____

SURFACE WATER
color _____
odor _____
flow _____
direction _____

STREAM
width _____
depth _____
velocity ___ cm/s
pools _____ %
riffles _____ %

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Composite

DEVICE
kemmerer, ponar, trowel, other VACUUM, bucket, auger, ekman

SAMPLE INFORMATION
color _____
odor _____
temp _____
DO _____
cond _____
pH _____
ORP _____
salinity _____
sample depth _____
tide stage _____

WEATHER PARAMETERS
ambient temp _____
barometric pressure _____
relative humidity _____
weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
(E. PCB)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass = 1.38g

FORM #1

201887

13252

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/22/98 Samplers: Robbins/Morganti
Time: _____ Site Name: Cornell
Sample Location: 409 Hamilton Apt 1A

Chain of Custody No.: _____
REAC Task Leader: S. Berchette Ken Robbins
EPA WAM: S. Berchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, (residential), hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity _____ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, (other Composite)

DEVICE
kemmerer, ponar, trowel, (other Vacuum), bucket, auger, ekman

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____, pH _____, ORP _____, salinity _____, sample depth _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
(E. PCB)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
NaOH
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass 15.05g

FORM #1

201888

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell WA#: 2-262

Sampler: Robbins/Morgan U.S. EPA/ERTC WAM: Burchette

Date: 4/22/98 REAC Task Leader: Robbins

Location (s) of area sampled	Area (Units:)
Family room 11.6 m²	80 x 58, 54 x 112, 40 x 118, 51 x 4
kitchen	1.5 m²
Child's Bedroom / Bedroom	10 m²
	Total Area Sampled =

Type of surface: Carpet · Style: Plush Level Loop Multilevel Shag Other

Floor Hardwood Cement Tile Vinyl Other

Sketch:

Comments: [redacted]

Date Sieved: 4/23/98 Total Dust = ____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: ____ g - Pan Tare Wt: ____ g = Net Wt: 0.279 (FR) g (Fine Dust)
0.11 g (kitchen)
0.14 g (BR)

Dust Loading: 0.02 (FR) g/m²
0.07 (kitchen)

201889

BR first floor #1...

Page ___ of ___

U.S. EPA/Environmental Response Team Center LR Second cur #13278
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornel

WA#: 03347142001786201

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S Burchette

Date: 4/22/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units: ________)
1st FL LR & Hallway	14.4 m²
1st FL Bedroom	2.1 m²
2nd FL Livingroom	8.6 m²
2nd FL Bed's Child's Room	3.4 m²
	Total Area Sampled =

Type of surface: Carpet · Style: Plush · Level Loop · Multilevel · Shag · Other

Floor · Hardwood · Cement · Tile · Vinyl · Other

Sketch:

Comment [redacted]

Date Sieved: 4/23/98 **Total Dust =** ________ g **Sieve No.** 100 **Particle size retention:** 150

Pan & Sample Wt: ________ g - **Pan Tare Wt:** ________ g = **Net Wt:** 8.62 (FFLR) g (Fine Dust)
26.93 (FFBR)
0.74 (SFLR)
2.05 (SFBR)

Dust Loading: 0.50 (FFLR) g/m²
12.82 (FFBR)

201890

#13275 - Living Room #1376 - Living room/kitchen #1547 - Bedroom

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001 226201

Sampler: Robbins/Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/23/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units:)
LR	4 m^2
PR/Int	3 m^2
BR	3 m^2
	Total Area Sampled =

Type of surface: Carpet · Style: Plush (Level Loop) Multilevel Shag Other
Floor Hardwood Cement Tile Vinyl Other

Sketch:

Having three rugs sampled in each room except Bedroom.

Comments: [redacted]

Date Sieved: 4/24/98 Total Dust = ____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: ____ g - Pan Tare Wt: ____ g = Net Wt: 20.03 (LR) 8.50 (DR/Kit) g (Fine Dust)

Dust Loading: 5.00 (LR) 2.83 (DR/Kit) g/m² 0.13 (BR)

201891

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001 2.2.6201

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/22/98

REAC Task Leader: K Robbins

Location (s) of area sampled		Area (Units:)
Playroom	27.0 m²	252" X 156" 195 X 264 + 73" X 45"
Livingroom	18.2 m²	252 X 156"
Diningroom	10.0 m²	131" X 156"
		Total Area Sampled =

Type of surface: Carpet · Style: Plush Level Loop Multilevel Shag Other
Floor Hardwood Cement Tile Vinyl Other

Sketch:

Livingroom
37 X 156 couch + End tables
43 X 31 TV
39 X 19 organ
20 X 52 Stereo - Dresser
34 X 39 Chair X2

Diningroom
18 X 76 China Cabinet
65 X 54 Table

Play room
68 X 93 Bathroom
25 X 42 Sink
27 X 21 TV Stand
100 X 28 } ground
92 X 23 } Clutter

Comments: [redacted]

Date Sieved: 4/23/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 3.21 (PR) g (Fine Dust)
0.41 (LR)
0.96 (DR)

Dust Loading: 0.12 (PR) / 0.02 (LR) g/m²

201892

#13283 - Boys Bedroom #13284 - Work Room #13285 - Living Room Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001226201

Sampler: Robbins / Mowatt

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/23/98

REAC Task Leader: L. Robbins

Location (s) of area sampled	Area (Units: ft²)
Livingroom	7.3
Work Room	11.5
Boys Room	14.1
[redacted]	Total Area Sampled =

Type of surface: Carpet · Style: Plush Level Loop Multilevel Shag Other

Floor Hardwood Cement Tile Vinyl Other

Sketch:

Comments: [redacted]

Date Sieved: 4/24/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 0.30 (FR) g (Fine Dust)
0.09 (WR)
0.49 (BR)

Dust Loading: 0.04 (FR) g/m²
0.01 (WR)

201893

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001226201

Sampler: Robbins / Morgantz

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/24/98

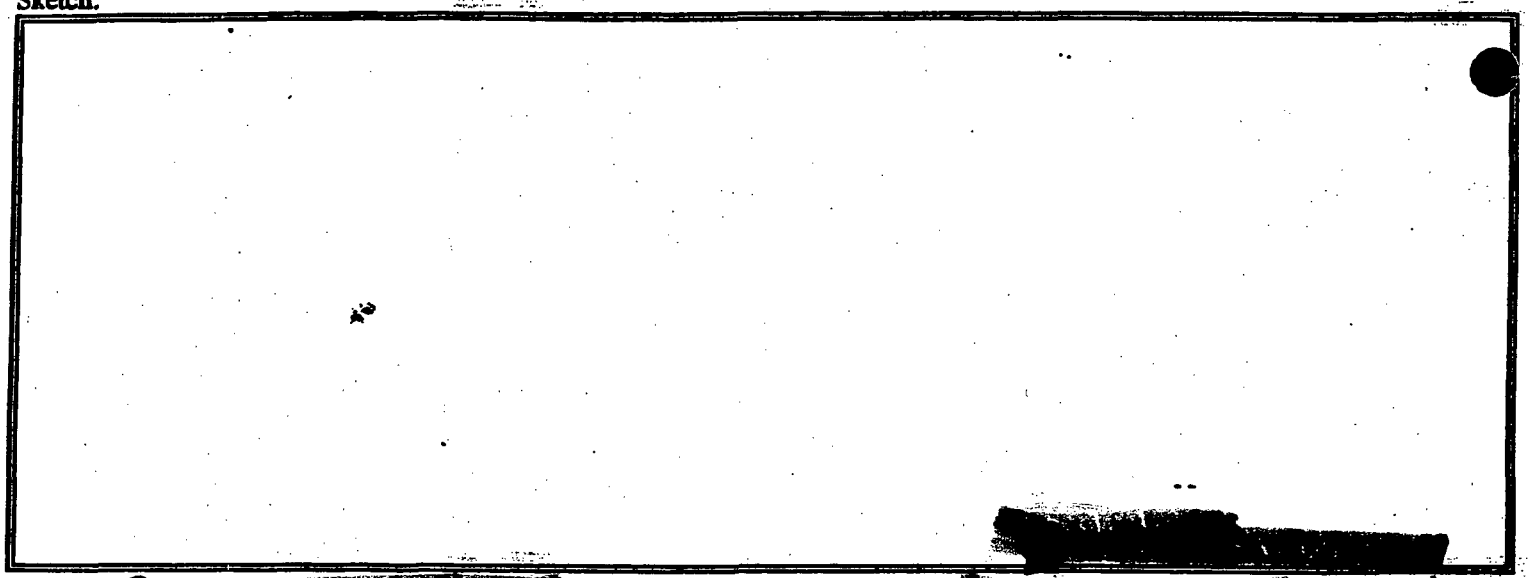
REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units:)
Living Room	1.4 m²
Basement	4.8 m²
	Total Area Sampled =

Type of surface: Carpet · Style: Plush · Level Loop · Multilevel · Shag · Other

Floor · Hardwood · Cement · Tile · Vinyl · Other

Sketch:



Comm[redacted]

Date Sieved: 4/27/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 2.60 (LR) g (Fine Dust)
9.00 (Basement)

Dust Loading: 1.86 (LR) g/m²
100 (D

201894

#13701 [illegible] #13383 Hall #13511 [illegible]

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347/4200/226201

Sampler: Robbins/Morgenti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/29/98

REAC Task Leader: L Robbins

Location (s) of area sampled	Area (Units: m^2)
Hallway + Stairs	8 m^2
Bedroom	4 m^2
Family room	6 m^2
	Total Area Sampled =

Type of surface: Carpet · Style: Plush Level Loop Multilevel Shag Other

Floor Hardwood Cement Tile Vinyl Other

Sketch:

[redacted]

Comments: [redacted]

Date Sieved: 4/30/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 0.04 (Hall) g (Fine Dust)
0.01 (BR)
0.02 (FR)

Dust Loading: 0.005 (Hall) g/m² 0.0025 (BR)

201895

#15983

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell WA#: 2-262

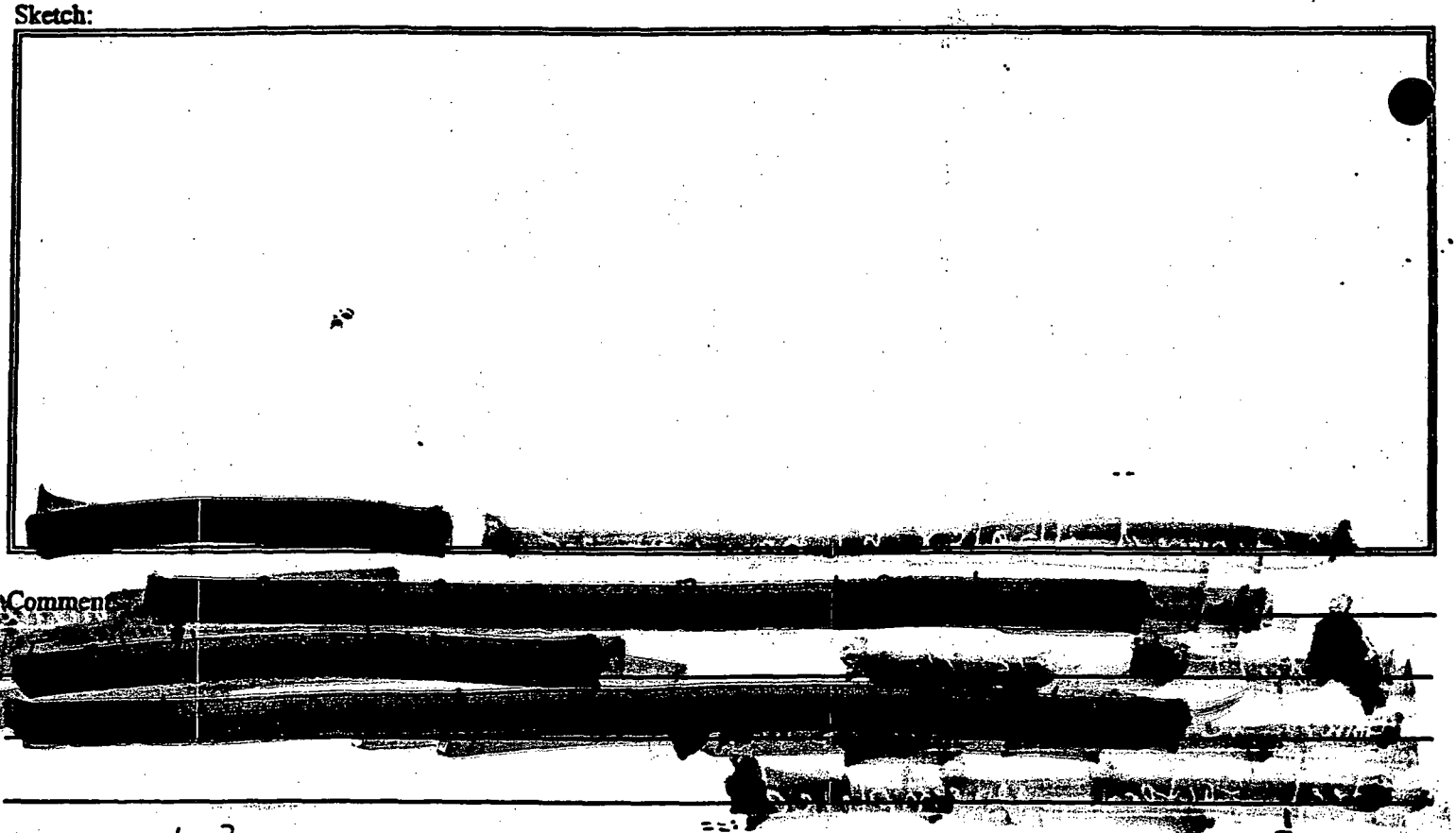
Sampler: Robbins/Maryandi U.S. EPA/ERTC WAM: Burchett

Date: 4/29/98 REAC Task Leader: Robbins

Location (s) of area sampled	Area (Units:)
Hallway	7.5 m^2
Living room	5.6
Den	7.8
	Total Area Sampled =

Type of surface: Carpet Floor · Style: Hardwood · Plush Cement · Level Loop Tile · Multilevel Vinyl · Shag Other · Other

Sketch:



Comments:

Date Sieved: 4/30/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 13.15 (Den) g (Fine Dust)
3.48 (Hall)
1.35 (LR)

Dust Loading: ~~0.17~~ 1.7 (Den) g/m^2
0.46 (Hall)

201896

#13307 - Stairs #13310 - Bedroom #13311 Family Room

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347/142001226201

Sampler: Robbins/Magantz

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/29/98

REAC Task Leader: K. Robbins

Location (s) of area sampled	Area (Units:)
Family Room	8 square meter
Bedroom Composite (3 rooms)	17 square meters
Stairs + Hall	4.5 M^2
	Total Area Sampled =

Type of surface: Carpet · Style: Plush (Level Loop) Multilevel Shag Other

Floor Hardwood Cement Tile Vinyl Other

Sketch:

[redacted]

Date Sieved: 4/30/98 Total Dust = ____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: ____ g - Pan Tare Wt: ____ g = Net Wt: 0.47 g (Fine Dust)

0.30 (FR)
0.02 (BR)
0.43 (Hall)

Dust Loading: 0.04 (FR) g/m²

201897

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 033471420012262 01

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Berchette

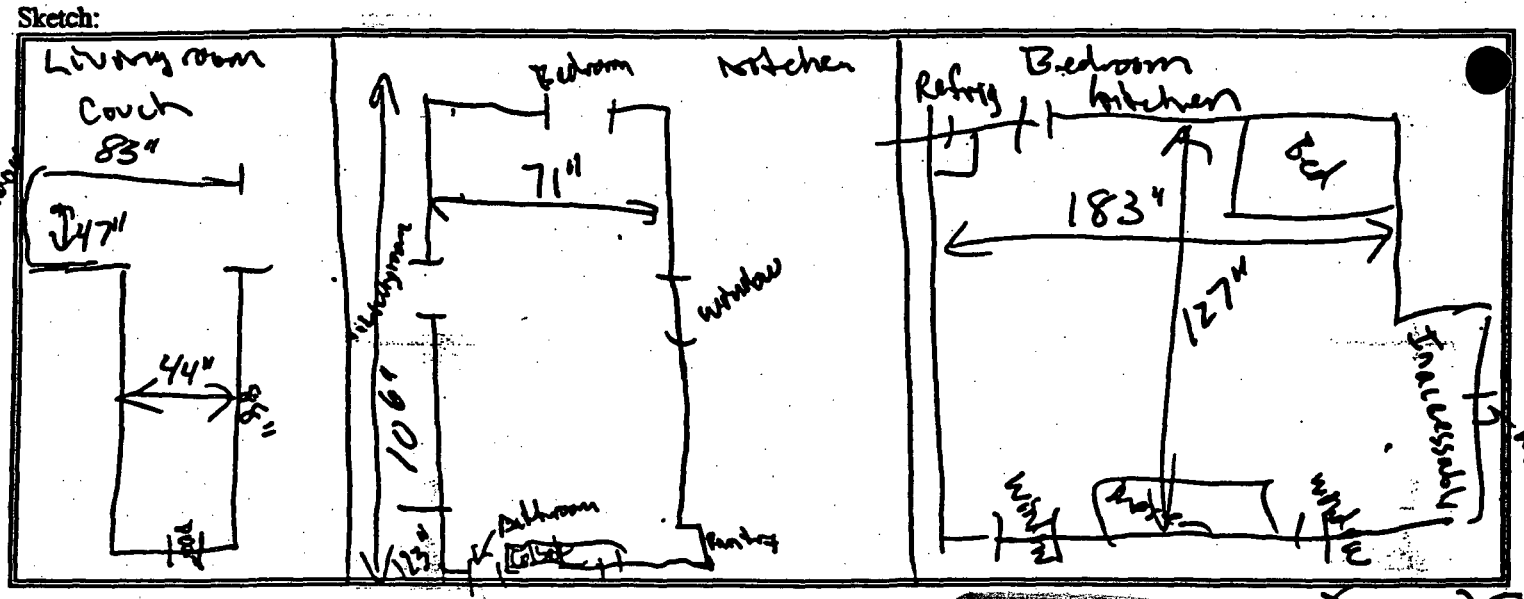
Date: 4/21/98

REAC Task Leader: K. Robbins

Location (s) of area sampled	Area (Units: m^2)
Livingroom / Composite	5.0 m^2
kitchen	71" X 106" 4.9 m^2
Bedroom	183" X 127" 15.0 m^2
	Total Area Sampled = 24.9 m^2

Type of surface: (Carpet) Floor Style: Plush Hardwood Cement (Level Loop) Tile (Multilevel) Vinyl Shag Other

Sketch:



Comments:

Date Sieved: 4/22/98 Total Dust = ~~15.05~~ (E2) g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: ~~4~~ (E1) g = Net Wt: 15.05 g (Fine Dust)

Dust Loading: 0.604 g/m²

201898

#13253

Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 033471420001 226201

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

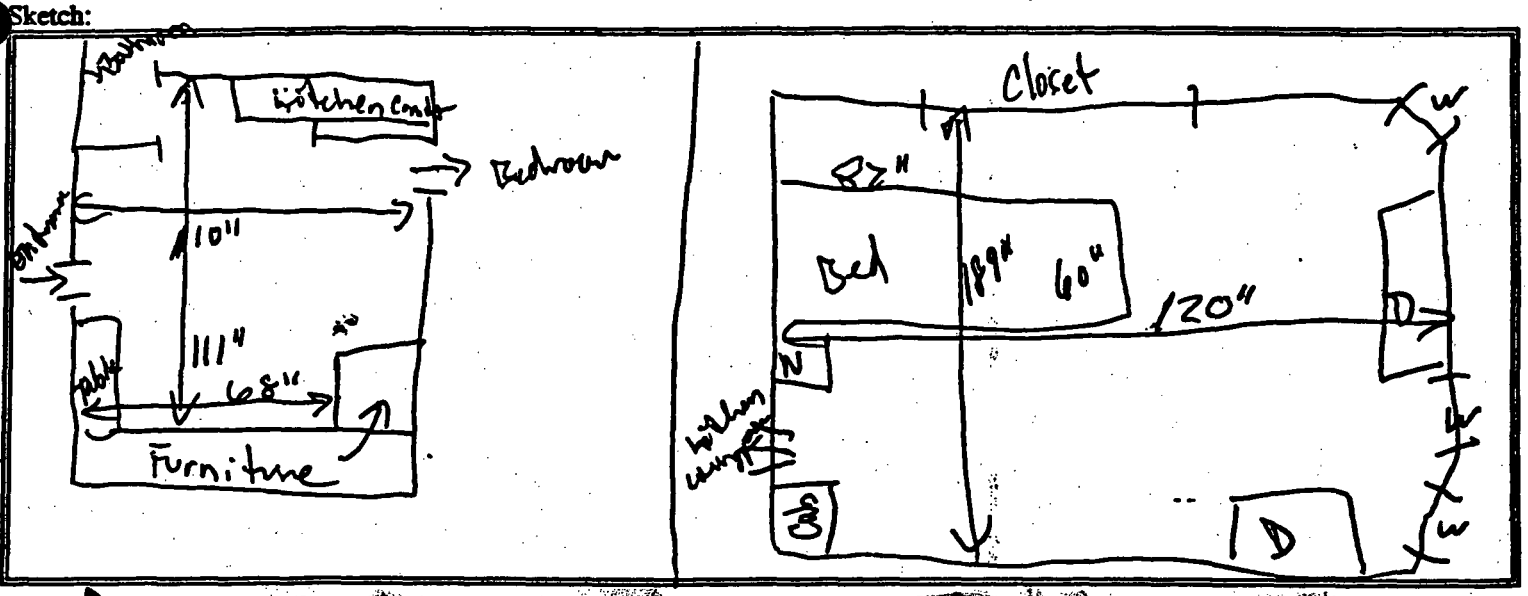
Date: 4/21/98

REAC Task Leader: Robbins

Location (s) of area sampled	Area (Units: m^2)
Livingroom / kitchen	7.8 m^2
Bedroom	11.5 m^2
	Total Area Sampled = 19 3 m^2

Type of surface: (Carpet) Floor · Style: (Plush) Hardwood Cement Level Loop Tile Multilevel Vinyl (Shag) Other Other

Sketch:



Comm[redacted]

Date Sieved: 4/22/98 Total Dust = ~~1.38~~ RD g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 1.38 g (Fine Dust)

Dust Loading: 0.07 g/m²

201899

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001 226201

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

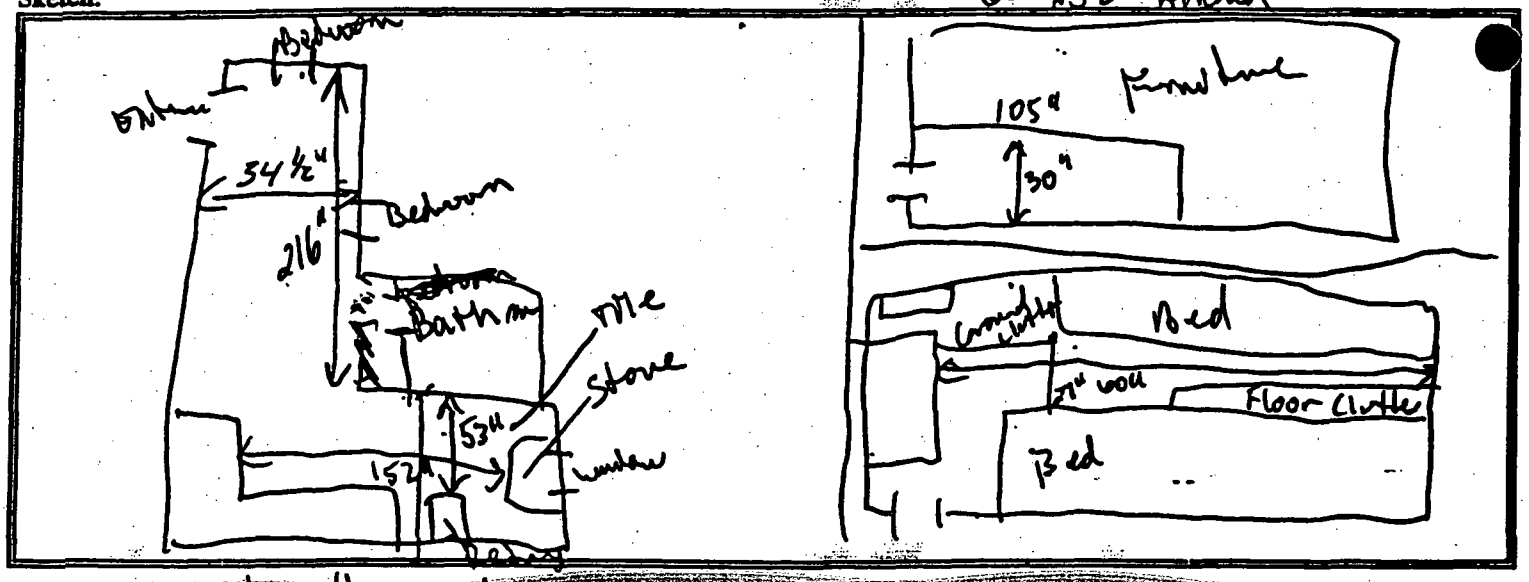
Date: 4/21/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units: ___)
Livingroom	10.0 m^2
	Total Area Sampled = 10.0 m^2

Type of surface: (Carpet) Floor · Style: Plush Level Loop Multilevel Shag Other
Hardwood Cement Tile (Vinyl) Other

Sketch:



Remarks:

Date Sieved: 4/22/98 Total Dust = ___ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: ___ g - Pan Tare Wt: ___ g = Net Wt: 43.63 g (Fine Dust)

Dust Loading: 4.363 g/m^2

201900

#1525

Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 033471420012262 01

Sampler: Robbins / Morganthi

U.S. EPA/ERTC WAM: S. Burchette

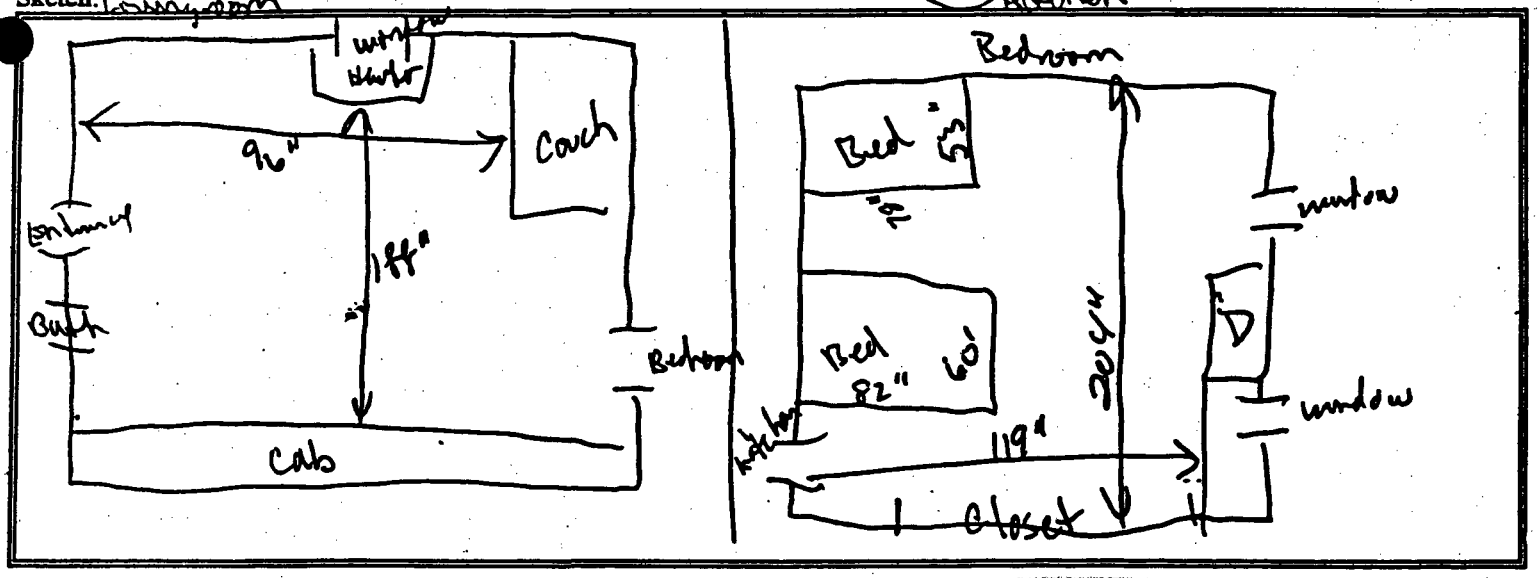
Date: 4/21/98

REAC Task Leader: Robbins

Location (s) of area sampled	Area (Units: m^2)
Livingroom	11.6
Bedroom	9.8
	Total Area Sampled = 21.4

Type of surface: (Carpet) Floor · Style: Plush Level Loop Multilevel (Shag) Other
Hardwood Cement (Tile) Vinyl Other

Sketch: Livingroom



Comments: [redacted]

[redacted]

Date Sieved: 4/22/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 1.209 g (Fine Dust)

Dust Loading: 0.05 g/m²

201901

#13256 - Livingroom
#13257 - Bedroom

Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001 226201

Sampler: Robbins, Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/21/98

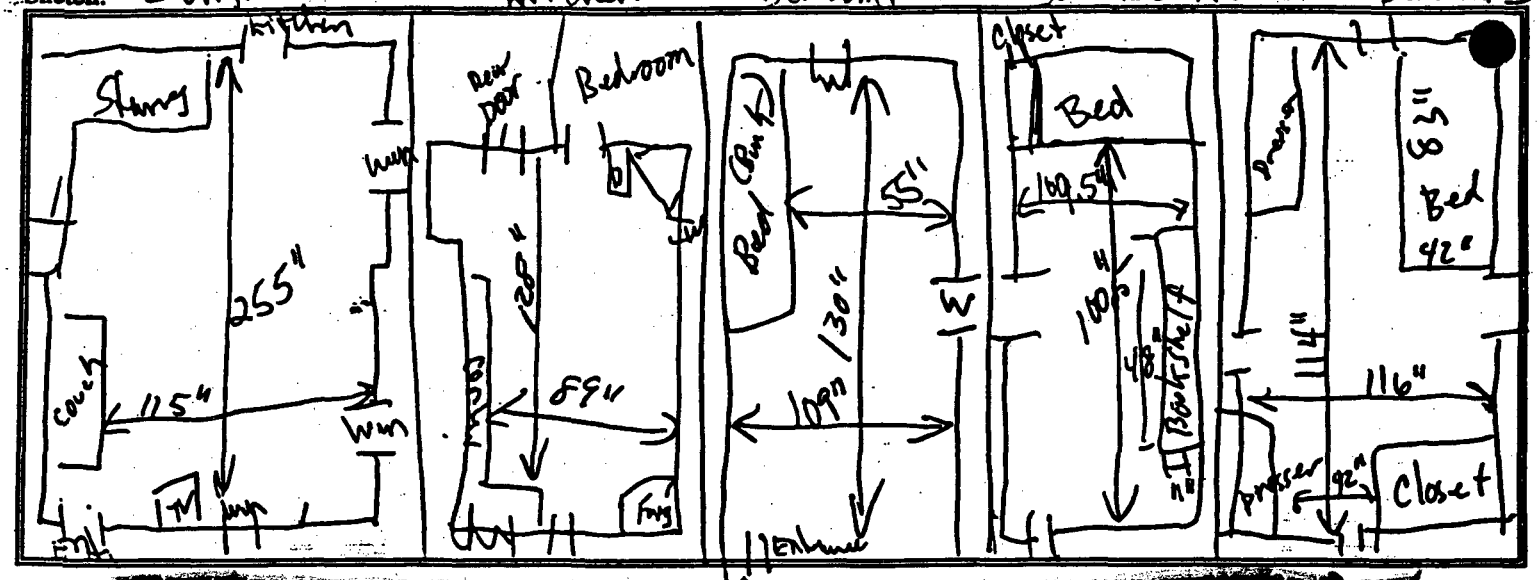
REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units: M^2)
Livingroom/kitchen	26.3 m^2
Bedroom	21.0 m^2
	Total Area Sampled = 47.3 m^2

Type of surface: (Carpet) Floor · Style: Plush (Level Loop) Multilevel Shag Other

(Hardwood) Cement (Tile) (Vinyl) Other

Sketch:



Comments:

Date Sieved: 4/22/98 Total Dust = ____ g Sieve No. 106 Particle size retention: 150 µm

Pan & Sample Wt: ____ g - Pan Tare Wt: ____ g = Net Wt: 0.96g (LR) g (Fine Dust)
6.74g (BR Comp)

Dust Loading: 0.03 (LR) g/m^2

201902

#1 [illegible]

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

REAC

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 03347142001 226201

Sampler: Robbins/Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/21/98

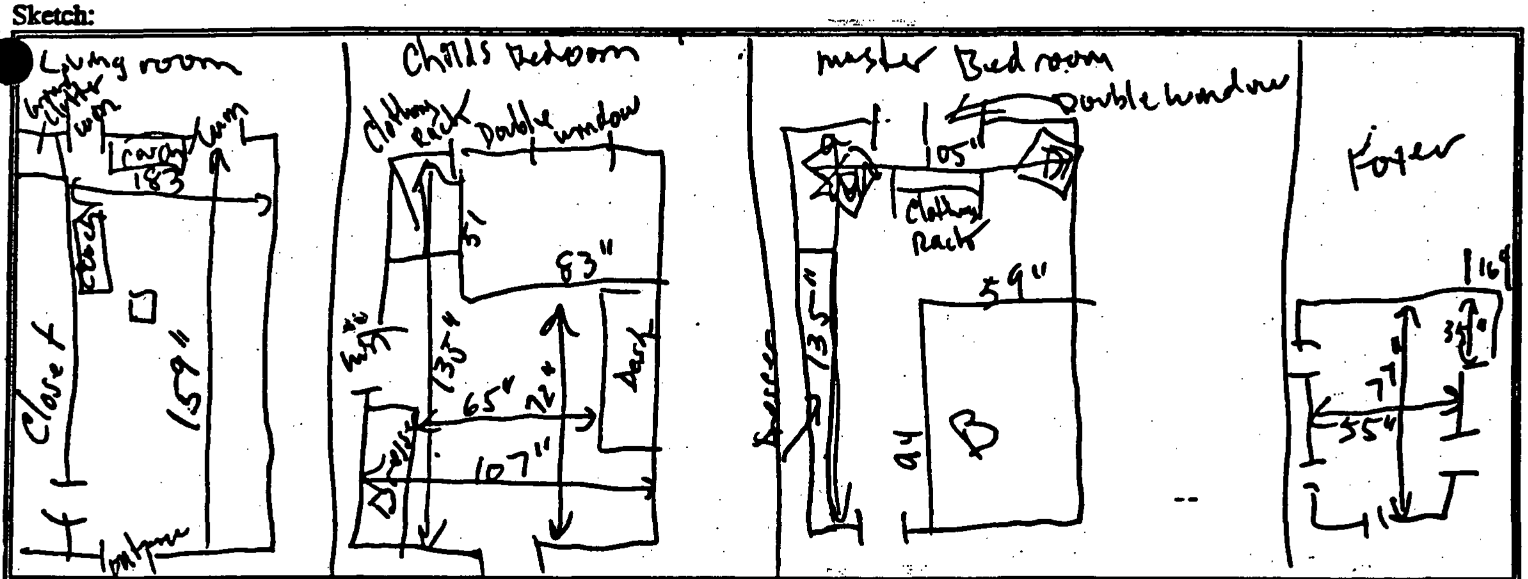
REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units: m²)
LR	18.8
Childs BR	5.0
Master BR	5.6
Foyer	2.7
	Total Area Sampled = 32.1

Type of surface: Carpet (circled) · Style: Plush, Level Loop (circled), Multilevel, Shag, Other

Floor: Hardwood, Cement, Tile, Vinyl, Other

Sketch:



Comments: [redacted]

Date Sieved: __________ Total Dust = __________ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: __________ g - Pan Tare Wt: __________ g = Net Wt: 1.98 g (Fine Dust)

Dust Loading: ~~16.2~~ (KR) g/m²
0.06

201903

#13259

Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 033471420012262.01

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

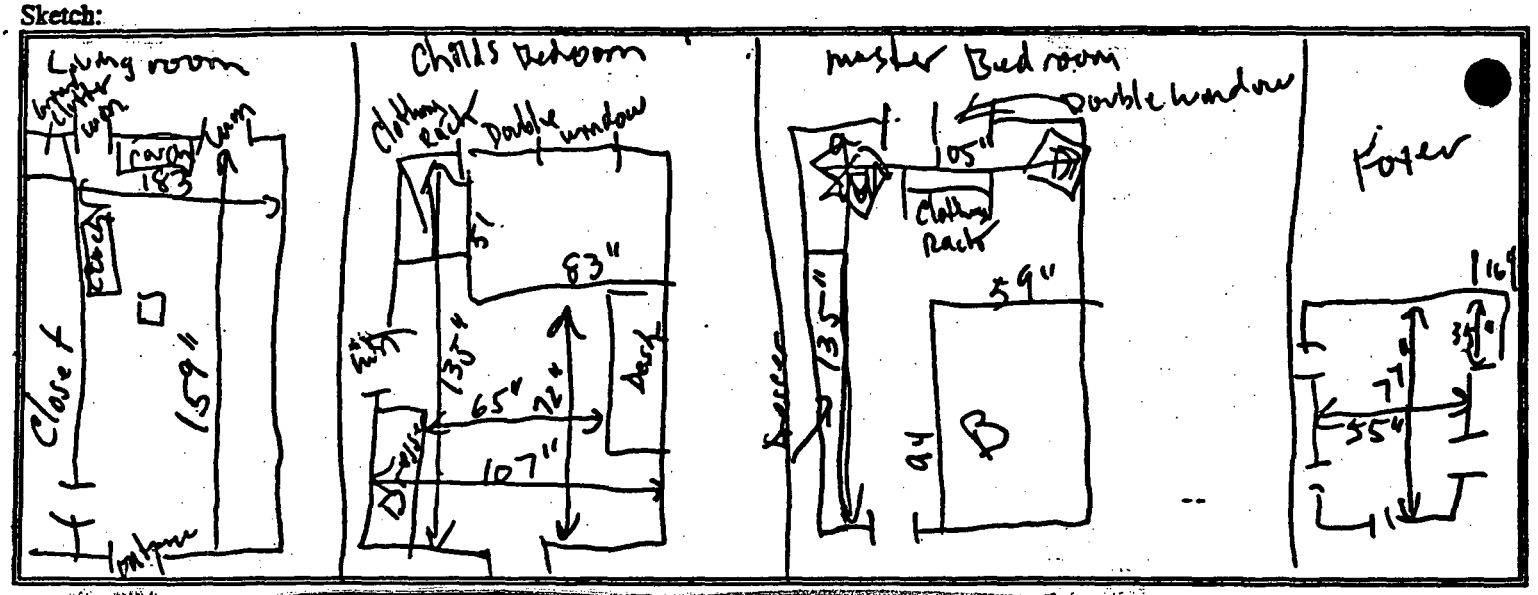
Date: 4/21/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units: m^2)
LR	18.8
Childs BR	5.0
Master BR	5.6
Foyer	2.7
	Total Area Sampled = 32.1

Type of surface: (Carpet) Floor · Style: Plush Level Loop Multilevel Shag Other
Hardwood Cement Tile Vinyl Other

Sketch:



Comments:

Date Sieved: _____ Total Dust = _____ g Sieve No. 100 Particle size retention: 150

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 1.98 g (Fine Dust)

Dust Loading: ~~16.2~~ (KA) g/m²
0.06

201904

#13259

Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

Site: Cornell

WA#: 033471420012262 01

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

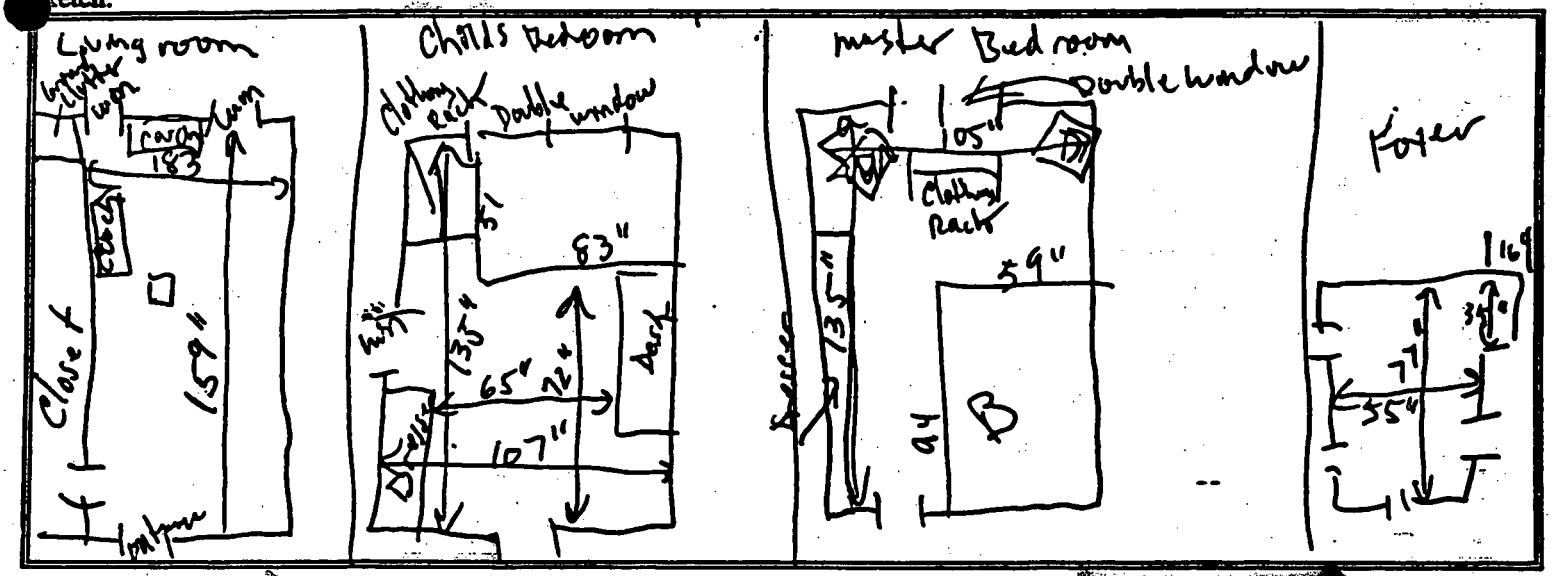
Date: 4/21/98

REAC Task Leader: K Robbins

Location (s) of area sampled	Area (Units: m^2)
LR	18.8
Childs BR	5.0
Master BR	5.6
Foyer	2.7
	Total Area Sampled = 32.1

Type of surface: (Carpet) Floor · Style: Plush Hardwood Cement (Level Loop) Tile Multilevel Vinyl Shag Other Other

Sketch:



Comments: [redacted]

Date Sieved: _____ Total Dust = _____ g Sieve No. 100 Particle size retention: 150 µm

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 1.98 g (Fine Dust)

Dust Loading: ~~16.2~~ (NA) 0.06 g/m²

201905

#15258

Page ___ of ___

U.S. EPA/Environmental Response Team Center
Response Engineering Analytical Contract
Vacuum Sampling Work Sheet

Roy F. Weston Inc., Edison, NJ
EPA Contract No. 68-C4-0022

REAC

Site: Cornell

WA#: 03347142001226201

Sampler: Robbins / Morganti

U.S. EPA/ERTC WAM: S. Burchette

Date: 4/21/98

REAC Task Leader: L Robbins

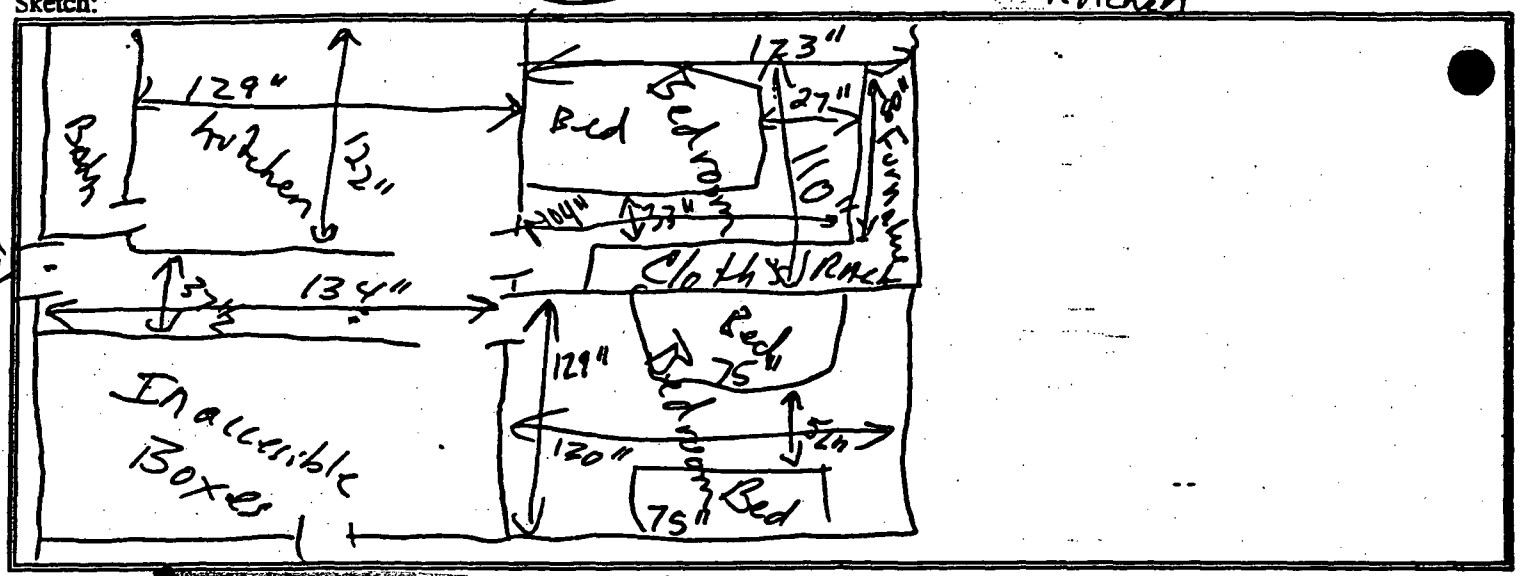
Location (s) of area sampled	Area (Units: M^2)
Livingroom	3.2
Bedroom	3.6
Bedroom	3.7
kitchen	10.2
	Total Area Sampled = 20.7

Type of surface: Carpet · Style: Plush Level Loop Multilevel Shag Other

Floor Hardwood Cement Tile Vinyl Other

kitchen

Sketch:



Comments:

Date Sieved: 4/24/98 Total Dust = _____ g Sieve No. 100 Particle size retention: 150

Pan & Sample Wt: _____ g - Pan Tare Wt: _____ g = Net Wt: 4.34g g (Fine Dust)

Dust Loading: 0.21 g/m²

201906

FIELD DATA SHEET

13254

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/22/98 Samplers: Robbins/Morganti
Time: _____ Site Name: Cornell
Sample Location: 405 Hamilton 1st Floor

Chain of Custody No.: _____
REAC Task Leader: Ken Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, (residential), hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Composite

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, pH _____, odor _____, ORP _____, temp _____, salinity _____, DO _____, sample depth _____, cond _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
(E. PCB)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, acetate core, plastic bag, plastic bucket, other _____

STORAGE
wet ice, dry ice, ambient

PRESERVATIVES
HNO_3, NaOH, Zn Acetate, HCl, Na_2SO_4, other _____

COMMENTS:
Mass = 43.63

FORM #1

201907

FIELD DATA SHEET

13255

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/22/98
Time: _____

Samplers: Robbins/Morganti
Site Name: Connell
Sample Location: 409 Hamilton Apt. 2A

Chain of Custody No.: _____
REAC Task Leader: Ken Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill | old field | upland palustrine
industrial | wooded | lowland riverine
commercial | farmland | lacustrine
(residential) | gully
hedgerows | floodplain

SOIL TYPE
rock / clay
gravel / muck
sand / loam
silt / peat
color _____

SURFACE WATER
color _____
odor _____
flow _____
direction _____

STREAM
width _____
depth _____
velocity ___ cm/s
pools _____%
riffles _____%

BOTTOM
rock / silt
rubble / clay
gravel / organic
shell / other _____
sand

SAMPLE TYPE
surface water | effluent
groundwater | sludge
potable water | leachate
sediment | waste
soil | other Composite

DEVICE
kemmerer | ponar
trowel | other Vacuum
bucket
auger
ekman

SAMPLE INFORMATION
color _____ / pH _____
odor _____ / ORP _____
temp _____ / salinity _____
DO _____ / sample depth ____
cond _____ / tide stage _____

WEATHER PARAMETERS
ambient temp _____
barometric pressure _____
relative humidity _____
weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
(E. PCB)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other
_____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:
MASS = 1.20g

FORM #1

201908

13256

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/22/98 Samplers: Robbins/Morganti
Time: _____ Site Name: Cornell
Sample Location: 127 Delmore LR/Kitchen

Chain of Custody No.: _____
REAC Task Leader: Ken Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, (residential), hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, (other Composite)

DEVICE
kemmerer, ponar, trowel, (other vacuum), bucket, auger, ekman

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____, pH _____, ORP _____, salinity _____, sample depth ____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
(E. PCB)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass = 0.96g

FORM #1

201909

13251

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/22/98
Time:
Samplers: Robbins/Morganti
Site Name: Cornell
Sample Location: 127 Delmore Bedroom

Chain of Custody No.:
REAC Task Leader: Ken Robbins
EPA WAM: S. Bruchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color

SURFACE WATER
color, odor, flow, direction

STREAM
width, depth, velocity ___ cm/s, pools ___%, riffles ___%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, other Vacuum, trowel, bucket, auger, ekman

SAMPLE INFORMATION
color, odor, temp, DO, cond, pH, ORP, salinity, sample depth, tide stage

WEATHER PARAMETERS
ambient temp, barometric pressure, relative humidity, weather conditions

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar NaOH
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 6.74g

FORM #1

201910

13258

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/22/98
Time: ____
Samplers: Robbins/Morgenti
Site Name: Connell
Sample Location: 401 Hamilton Blvd 2nd pt. on Right

Chain of Custody No.: ____
REAC Task Leader: Tom Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION

landfill	old field	upland palustrine
industrial	wooded	lowland riverine
commercial	farmland	lacustrine
residential	gully	
hedgerows	floodplain	

SOIL TYPE

rock	clay
gravel	muck
sand	loam
silt	peat

color ____

SURFACE WATER
color ____
odor ____
flow ____
direction ____

STREAM
width ____
depth ____
velocity ____ cm/s
pools ____ %
riffles ____ %

BOTTOM

rock	silt
rubble	clay
gravel	organic
shell	other ____
sand	

SAMPLE TYPE

surface water	effluent
groundwater	sludge
potable water	leachate
sediment	waste
soil	other Composite

DEVICE

kemmerer	ponar
trowel	other vacuum
bucket	
auger	
ekman	

SAMPLE INFORMATION
color ____ pH ____
odor ____ ORP ____
temp ____ salinity ____
DO ____ sample depth ____
cond ____ tide stage ____

WEATHER PARAMETERS
ambient temp ____
barometric pressure ____
relative humidity ____
weather conditions ____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other ____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other ____

RCRA
A. TCLP
B. ignitability
C. corrosivity ____ pH ____
D. reactivity
E. other ____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other ____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other ____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other ____

STORAGE
wet ice
dry ice
ambient

COMMENTS:
MASS = 4.34 g

FORM #1

201911

13259

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/22/98
Time: _____

Samplers: Robbins/Morgani
Site Name: Conwell
Sample Location: 405 Hamilton 2nd Floor

Chain of Custody No.: _____
REAC Task Leader: Ken Robbins
EPA WAM: S. Birchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity _____ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, other VACUUM, trowel, bucket, auger, ekman

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____, pH _____, ORP _____, salinity _____, sample depth _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, acetate core, plastic bag, plastic bucket, other _____

PRESERVATIVES
HNO_3, NaOH, Zn Acetate, HCl, Na_2SO_4, other _____

STORAGE
wet ice, dry ice, ambient

COMMENTS: mass = 1.98g

FORM #1

201912

13260

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/22/98 Samplers: Robbins/Morgenj
Time: _____ Site Name: Cornell
Sample Location: 237 Delmore Blvd

Chain of Custody No.: _____
REAC Task Leader: Ken Robbins
EPA WAM: S. Burdette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction	pools ___%	shell	other
hedgerows	floodplain		color			riffles ___%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other Vacuum	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Composite	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other		other _____

_____

STORAGE
wet ice
dry ice
ambient

COMMENTS:
MASS = 0.98 g

FORM #1

201913

13261

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98 Samplers: Robbins/Morganti Chain of Custody No.:
Time: Site Name: Cornell REAC Task Leader: Ken Robbins
Sample Location: 201 Delmore EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color

SURFACE WATER
color, odor, flow, direction

STREAM
width, depth, velocity cm/s, pools %, riffles %

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Composite

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color, pH, odor, ORP, temp, salinity, DO, sample depth, cond, tide stage

WEATHER PARAMETERS
ambient temp, barometric pressure, relative humidity, weather conditions

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, acetate core, plastic bag, plastic bucket, other _____

PRESERVATIVES
HNO_3, NaOH, Zn Acetate, HCl, Na_2SO_4, other _____

STORAGE
wet ice, dry ice, ambient

COMMENTS:
Mass = 0.72g

FORM #1

201914

13262

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/23/98 Samplers: Robbins/Morgati
Time: _____ Site Name: Cornell
Sample Location: 135 Dalmore 1st Flor

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composito

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____, pH _____, ORP _____, salinity _____, sample depth _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:

Mass = 1.45g

FORM #1

201915

13263

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/23/96 Samplers: Robbins/Morganti Chain of Custody No.:
Time: Site Name: Correll REAC Task Leader: K. Robbins
Sample Location: 135 Belmore 2nd Floor EPA WAM: S. Burchett
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color

SURFACE WATER
color, odor, flow, direction

STREAM
width, depth, velocity cm/s, pools %, riffles %

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Composite

DEVICE
kemmerer, ponar, trowel, other Trowel, bucket, auger, ekman

SAMPLE INFORMATION
color, pH, odor, ORP, temp, salinity, DO, sample depth, cond, tide stage

WEATHER PARAMETERS
ambient temp, barometric pressure, relative humidity, weather conditions

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

NaOH

PRESERVATIVES
HNO_3
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:

Mass = 0.665

FORM #1

201916

13264

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/23/98 Samplers: Robbins/Morgati Chain of Custody No.:
Time: Site Name: Cornell REAC Task Leader: K. Robbins
Sample Location: 204 Spizer Ave Family Room EPA WAM: S. Burchette
Work Assignment No.: 2-260

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity cm/s	gravel	organic
residential	gully		silt	peat	direction	pools %	shell	other
hedgerows	floodplain		color			riffles %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other Vacuum	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Composite	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other		other

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 0.279

FORM #1

201917

13265

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98
Time: _____
Samplers: Robbins/Morgati
Site Name: Cornell
Sample Location: 204 Spizer Bedroom Composite
Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill; industrial; commercial; (residential); hedgerows; old field; wooded; farmland; gully; floodplain; upland palustrine; lowland riverine; lacustrine

SOIL TYPE
rock; clay; gravel; muck; sand; loam; silt; peat; color _____

SURFACE WATER
color _____; odor _____; flow _____; direction _____

STREAM
width _____; depth _____; velocity ___ cm/s; pools _____%; riffles _____%

BOTTOM
rock; silt; rubble; clay; gravel; organic; shell; other _____; sand

SAMPLE TYPE
surface water; groundwater; potable water; sediment; soil; effluent; sludge; leachate; waste; other Composite

DEVICE
kemmerer; ponar; trowel; other vacuum; bucket; auger; ekman

SAMPLE INFORMATION
color _____; odor _____; temp _____; DO _____; cond _____; pH _____; ORP _____; salinity _____; sample depth _____; tide stage _____

WEATHER PARAMETERS
ambient temp _____; barometric pressure _____; relative humidity _____; weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
(E. PCB)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 0.149

FORM #1

201918

FIELD DATA SHEET

13266

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98 Samplers: Robbins/Morganti Chain of Custody No.:
Time: Site Name: Cornell Sample Location: 204 Kitchen Spizer Kitchen REAC Task Leader: K. Robbins
EPA WAM: S Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color

SURFACE WATER
color, odor, flow, direction

STREAM
width, depth, velocity ___ cm/s, pools ___%, riffles ___%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color, odor, temp, DO, cond, pH, ORP, salinity, sample depth, tide stage

WEATHER PARAMETERS
ambient temp, barometric pressure, relative humidity, weather conditions

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:

Mass = 0.119

FORM #1

201919

13267

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/23/98
Time: _____
Samplers: Robbins/Morganti
Site Name: Cornell
Sample Location: 130 Spitzer Bedroom 1st Floor
Chain of Custody No.: _____
REAC Task Leader: E. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Composite

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, pH _____, odor _____, ORP _____, temp _____, salinity _____, DO _____, sample depth _____, cond _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO₃
NaOH
Zn Acetate
HCl
Na₂SO₄
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:

Mass = 26.93 g

FORM #1

201920

13268

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/23/98 Samplers: Robbins/Morgan
Time: _____ Site Name: Cornell
Sample Location: 130 Spizer 1st Floor LR

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, trowel, other vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____, pH _____, ORP _____, salinity _____, sample depth ___, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, acetate core, plastic bag, plastic bucket, other _____

PRESERVATIVES
HNO_3, NaOH, Zn Acetate, HCl, Na_2SO_4, other _____

STORAGE
wet ice, dry ice, ambient

COMMENTS:
Mass = 8.62 g

FORM #1

201921

13269

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/23/98
Time: _____

Samplers: Robbins/Morganti
Site Name: Cornell
Sample Location: 130 Spizer-Boys BR 2nd Floor

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burdette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Composite

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, pH _____, odor _____, ORP _____, temp _____, salinity _____, DO _____, sample depth _____, cond _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, NaOH, acetate core, plastic bag, plastic bucket, other _____

STORAGE
wet ice, dry ice, ambient

PRESERVATIVES
HNO_3, Zn Acetate, HCl, Na_2SO_4, other _____

COMMENTS:
Mass = 2.08 g

201922

FORM #1

13270

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/23/98 Samplers: Robbins/Morganti
Time: _____ Site Name: Cornell
Sample Location: 130 Spizen 2nd Floor LR

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____, pH _____, ORP _____, salinity _____, sample depth _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, NaOH, acetate core, plastic bag, plastic bucket, other _____

PRESERVATIVES
HNO_3, Zn Acetate, HCl, Na_2SO_4, other _____

STORAGE
wet ice, dry ice, ambient

COMMENTS:

Mass = 0.74g

FORM #1

201923

13271

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/23/98
Time: _____
Samplers: Robbins/Morgati.
Site Name: Cornell
Sample Location: 507 Hamilton Playroom
Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color _____	width _____	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor _____	depth _____	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow _____	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction _____	pools _____ %	shell	other _____
hedgerows	floodplain		color _____			riffles _____ %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color _____	pH _____	ambient temp _____
groundwater	sludge	trowel	other vacuum	odor _____	ORP _____	barometric pressure _____
potable water	leachate	bucket		temp _____	salinity _____	relative humidity _____
sediment	waste	auger		DO _____	sample depth ___	weather conditions _____
soil	other composite	ekman		cond. _____	tide stage _____	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar NaOH
acetate core
plastic bag
plastic bucket
other
_____

STORAGE
wet ice
dry ice
ambient

PRESERVATIVES
HNO_3
Zn Acetate
HCl
Na_2SO_4
other _____

COMMENTS:

mass=3.21g

201924

FORM #1

13272

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/23/98 Samplers: Robbins/Morgenti Chain of Custody No.:
Time: Sample Location: 507 Hamilton Dining Room REAC Task Leader: E. Robbins
Site Name: Conner EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity cm/s	gravel	organic
residential	gully		silt	peat	direction	pools %	shell	other
hedgerows	floodplain		color			riffles %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other Vacuum	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Composite	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other		other

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass = 0.96g

FORM #1

201925

13273

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/23/98
Time: _____

Samplers: Robbins/Morgenti
Site Name: Cornell
Sample Location: 507 Hamilton Living Room

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2263

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, trowel, other vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____, pH _____, ORP _____, salinity _____, sample depth _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, NaOH, acetate core, plastic bag, plastic bucket, other _____

PRESERVATIVES
HNO_3, Zn Acetate, HCl, Na_2SO_4, other _____

STORAGE
wet ice, dry ice, ambient

COMMENTS: Mass = 0.419

FORM #1

201926

13274

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/23/98 Samplers: Robbins/Morganti
Time: _____ Site Name: Cornell
Sample Location: 346 Hamilton Blvd. Composite

Chain of Custody No.: _____
REAC Task Leader: F. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, trowel, other Teflon, bucket, auger, ekman

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____, pH _____, ORP _____, salinity _____, sample depth ____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, acetate core, plastic bag, plastic bucket, other _____

PRESERVATIVES
HNO₃, NaOH, Zn Acetate, HCl, Na₂SO₄, other _____

STORAGE
wet ice, dry ice, ambient

COMMENTS:

Mass = 2.52g

FORM #1

201927

13275

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98
Time:
Samplers: Robbins / Morgant.
Site Name: Cornell
Sample Location: 500 Garibaldi Ave. LR

Chain of Custody No.:
REAC Task Leader: E. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION

landfill	old field	upland palustrine
industrial	wooded	lowland riverine
commercial	farmland	lacustrine
residential	gully	
hedgerows	floodplain	

SOIL TYPE

rock	clay
gravel	muck
sand	loam
silt	peat
color	

SURFACE WATER
color
odor
flow
direction

STREAM
width
depth
velocity cm/s
pools %
riffles %

BOTTOM

rock	silt
rubble	clay
gravel	organic
shell	other
sand	

SAMPLE TYPE

surface water	effluent
groundwater	sludge
potable water	leachate
sediment	waste
soil	other Composite

DEVICE

kemmerer	ponar
trowel	other Vacuum
bucket	
auger	
ekman	

SAMPLE INFORMATION

color	pH
odor	ORP
temp	salinity
DO	sample depth
cond	tide stage

WEATHER PARAMETERS
ambient temp
barometric pressure
relative humidity
weather conditions

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other

RCRA
A. TCLP
B. ignitability
C. corrosivity pH
D. reactivity
E. other

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar NaOH
acetate core
plastic bag
plastic bucket
other

PRESERVATIVES
HNO_3
Zn Acetate
HCl
Na_2SO_4
other

STORAGE
wet ice
dry ice
ambient

COMMENTS:

MASS = 20.03g

FORM #1

201928

13276

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98 Samplers: Robbins/Morgan
Time: _____ Site Name: Cornell
Sample Location: 300 Garibaldi Ave OE/KIT

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat
color _____

SURFACE WATER
color _____
odor _____
flow _____
direction _____

STREAM
width _____
depth _____
velocity ___ cm/s
pools _____ %
riffles _____ %

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other composite

DEVICE
kemmerer, ponar, other Valve, trowel, bucket, auger, ekman

SAMPLE INFORMATION
color _____ pH _____
odor _____ ORP _____
temp _____ salinity _____
DO _____ sample depth ___
cond _____ tide stage _____

WEATHER PARAMETERS
ambient temp _____
barometric pressure _____
relative humidity _____
weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 8.50g

FORM #1

201929

13277

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98
Time: _____
Samplers: Robbins/Morganti
Site Name: Cornell
Sample Location: 500 Garibaldi Ave. BL
Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Ruddle
Work Assignment No.: 2-362

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction	pools ___%	shell	other ___
hedgerows	floodplain		color ___			riffles ___%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other Vacuum	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Composite	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
- A. halogenated & aromatic volatiles
- B. volatiles
- C. trihalomethanes
- D. pesticides/PCB
- E. PCB
- F. base neutral/acid extractables
- G. pesticides, drinking water
- H. herbicides, drinking water
- I. other _____

INORGANICS
- A. metals, priority pollutant
- B. metals, TAL
- C. metals scan (ICP)
- D. metals, other _____

RCRA
- A. TCLP
- B. ignitability
- C. corrosivity _____ pH ___
- D. reactivity
- E. other _____

OTHER ANALYSES
- A. total cynanide
- B. total phenol
- C. petroleum hydrocarbons
- D. pH
- E. alkalinity
- F. hardness
- G. total dissolved solids
- H. total suspended solids
- I. sulfate
- J. TOC
- K. grain size
- L. percent moisture
- M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other		other _____
_____		

STORAGE
- wet ice
- dry ice
- ambient

COMMENTS:
Mass = 0.13g

FORM #1

201930

FIELD DATA SHEET

13278

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98 Samplers: Robbins/Moghati
Time: _____ Site Name: Connell
Sample Location: 131 Delmore upstairs Comp.

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchett
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Composite

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, pH _____, odor _____, ORP _____, temp _____, salinity _____, DO _____, sample depth _____, cond _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, acetate core, plastic bag, plastic bucket, other _____

PRESERVATIVES
HNO_3, NaOH, Zn Acetate, HCl, Na_2SO_4, other _____

STORAGE
wet ice, dry ice, ambient

COMMENTS:

MASS = 5.06 g

FORM #1

201931

13279

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98
Time: _____
Samplers: Robbins/Morgan
Site Name: Cornell
Sample Location: 131 Delmore Nursery

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burkette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____
odor _____
flow _____
direction _____

STREAM
width _____
depth _____
velocity ___ cm/s
pools _____%
riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Compost

DEVICE
kemmerer, ponar, trowel, other Auger, bucket, auger, ekman

SAMPLE INFORMATION
color _____
odor _____
temp _____
DO _____
cond _____
pH _____
ORP _____
salinity _____
sample depth _____
tide stage _____

WEATHER PARAMETERS
ambient temp _____
barometric pressure _____
relative humidity _____
weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

NaOH

PRESERVATIVES
HNO_3
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:

Mass = 0.03g

201932

FORM #1

13280

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98 Samplers: Robbins/Morganti Chain of Custody No.:
Site Name: Cornell REAC Task Leader: K. Robbins
Time: Sample Location: 131 Delmore CR/Den Comp. EPA WAM: S. Burdette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity cm/s	gravel	organic
residential	gully		silt	peat	direction	pools %	shell	other
hedgerows	floodplain		color			riffles %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other Vacuum	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Composite	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other		other _____
_____		

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 0.21g

FORM #1

201933

13281

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98
Time: _____
Samplers: Robbins/Morganti
Site Name: Connell
Sample Location: 123 Delmont 2nd Floor Comp.
Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction	pools ___ %	shell	other ___
hedgerows	floodplain		color ___			riffles ___ %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other unknown	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Composite	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
- A. halogenated & aromatic volatiles
- B. volatiles
- C. trihalomethanes
- D. pesticides/PCB
- E. PCB
- F. base neutral/acid extractables
- G. pesticides, drinking water
- H. herbicides, drinking water
- I. other _____

INORGANICS
- A. metals, priority pollutant
- B. metals, TAL
- C. metals scan (ICP)
- D. metals, other _____

RCRA
- A. TCLP
- B. ignitability
- C. corrosivity _____ pH ___
- D. reactivity
- E. other _____

OTHER ANALYSES
- A. total cynanide
- B. total phenol
- C. petroleum hydrocarbons
- D. pH
- E. alkalinity
- F. hardness
- G. total dissolved solids
- H. total suspended solids
- I. sulfate
- J. TOC
- K. grain size
- L. percent moisture
- M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other _____		other _____

STORAGE
- wet ice
- dry ice
- ambient

COMMENTS:

Mass = 2.70 g

201934

FORM #1

13282

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Samplers: Robbins/Morgenti
Chain of Custody No.:
REAC Task Leader: F. Robbins
Date: Site Name: Connell
EPA WAM: S. Burchette
Time: Sample Location: 123 Belmore 1st Floor Apt
Work Assignment No.: 2-261

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color

SURFACE WATER
color, odor, flow, direction

STREAM
width, depth, velocity cm/s, pools %, riffles %

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Composite

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color, pH, odor, ORP, temp, salinity, DO, sample depth, cond, tide stage

WEATHER PARAMETERS
ambient temp, barometric pressure, relative humidity, weather conditions

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other

RCRA
A. TCLP
B. ignitability
C. corrosivity pH
D. reactivity
E. other

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, acetate core, plastic bag, plastic bucket, other

PRESERVATIVES
HNO_3, NaOH, Zn Acetate, HCl, Na_2SO_4, other

STORAGE
wet ice, dry ice, ambient

COMMENTS: Mass = 9.64g

FORM #1

201935

13283

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98 Samplers: Robbins/Morgenti Chain of Custody No.:
Site Name: Connell REAC Task Leader: K. Robbins
Time: Sample Location: 501 Garibaldi Boys Room EPA WAM: S. Burdette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color

SURFACE WATER
color, odor, flow, direction

STREAM
width, depth, velocity ___ cm/s, pools ___%, riffles ___%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, trowel, other VOA, bucket, auger, ekman

SAMPLE INFORMATION
color, odor, temp, DO, cond, pH, ORP, salinity, sample depth, tide stage

WEATHER PARAMETERS
ambient temp, barometric pressure, relative humidity, weather conditions

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:

Mass = 0.49g

FORM #1

201936

13284

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98 Samplers: Robbins/Morganti
Time: _____ Site Name: Cornell
Sample Location: 501 Garibaldi Work Room

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____, pH _____, ORP _____, salinity _____, sample depth _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, acetate core, plastic bag, plastic bucket, other _____

PRESERVATIVES
HNO_3, NaOH, Zn Acetate, HCl, Na_2SO_4, other _____

STORAGE
wet ice, dry ice, ambient

COMMENTS: Mass = 0.09 g

FORM #1

201937

13285

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98
Time: _____
Samplers: Robbins/Morganti
Site Name: Cornell
Sample Location: Sol Garibaldi

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burdette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, (residential), hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity _____ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Composite

DEVICE
kemmerer, ponar, trowel, other vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, pH _____, odor _____, ORP _____, temp _____, salinity _____, DO _____, sample depth _____, cond _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
(E. PCB)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass = 0.30g

FORM #1

201938

13286

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98 Samplers: Robbins/Morgan
Time: _____ Site Name: Cornell
Sample Location: 403 Hamilton Comp.

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, sonar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____, pH _____, ORP _____, salinity _____, sample depth ____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 4.11 g

FORM #1

201939

13287

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/96
Time: _____
Samplers: Robbins/Morgan
Site Name: Cornell
Sample Location: 207 Belmore Bl Comp.
Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burdette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, trowel, other vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____, pH _____, ORP _____, salinity _____, sample depth ___, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass = 0.75g

FORM #1

201940

13288

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98 Samplers: Robbins/morganti
Time: _____ Site Name: cornell
Sample Location: 207 Delmont

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color _____	width _____	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor _____	depth _____	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow _____	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction _____	pools _____ %	shell	other _____
hedgerows	floodplain		color _____			riffles _____ %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color _____	pH _____	ambient temp _____
groundwater	sludge	trowel	other vacuum	odor _____	ORP _____	barometric pressure _____
potable water	leachate	bucket		temp _____	salinity _____	relative humidity _____
sediment	waste	auger		DO _____	sample depth ___	weather conditions _____
soil	other composite	ekman		cond _____	tide stage _____	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other _____		other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:
mass = 0.31 g

FORM #1

201941

13289

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98 Samplers: Robbins/Morgati Chain of Custody No.:
Time: Site Name: Cornell REAC Task Leader: K. Robbins
Sample Location: 115 Delmore 2nd Floor Apt. EPA WAM: J. Bruchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity cm/s	gravel	organic
residential	gully		silt	peat	direction	pools %	shell	other
hedgerows	floodplain		color			riffles %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other vacuum	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Composite	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other		other

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 1.96 g

FORM #1

201942

13290

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/24/98 Samplers: Robbins/Morgan
Time: _____ Site Name: Cornell
Sample Location: 115 Delmont 1st Floor Apt
Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: T. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, old field, upland palustrine
industrial, wooded, lowland riverine
commercial, farmland, lacustrine
residential, gully
hedgerows, floodplain

SOIL TYPE
rock, clay
gravel, muck
sand, loam
silt, peat
color _____

SURFACE WATER
color _____
odor _____
flow _____
direction _____

STREAM
width _____
depth _____
velocity ___ cm/s
pools _____ %
riffles _____ %

BOTTOM
rock, silt
rubble, clay
gravel, organic
shell, other _____
sand

SAMPLE TYPE
surface water, effluent
groundwater, sludge
potable water, leachate
sediment, waste
soil, other Soil

DEVICE
kemmerer, ponar
trowel, other Vacuum
bucket
auger
ekman

SAMPLE INFORMATION
color _____ pH _____
odor _____ ORP _____
temp _____ salinity _____
DO _____ sample depth ____
cond _____ tide stage _____

WEATHER PARAMETERS
ambient temp _____
barometric pressure _____
relative humidity _____
weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 5.31g

FORM #1

201943

13291

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/18 Samplers: Robbins/Morganti
Time: _____ Sample Location: 305 Spicer Ave. LR

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat
color _____

SURFACE WATER
color _____
odor _____
flow _____
direction _____

STREAM
width _____
depth _____
velocity ___ cm/s
pools _____ %
riffles _____ %

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other ___, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Composite

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____ pH _____
odor _____ ORP _____
temp _____ salinity _____
DO _____ sample depth ____
cond _____ tide stage _____

WEATHER PARAME
ambient temp _____
barometric pressure _____
relative humidity ____
weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERV
HNO
NaOH
Zn Acetate
HCl
Na_2SO_4
other ___

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 2.60g

201944

FORM #1

13292

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98 Samplers: Robbins/Morganti Chain of Custody No.: ______
Time: ______ Site Name: Cornell REAC Task Leader: K. Robbins
Sample Location: 215 Delmore Ave BR 1420 Comp EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color ______	width ______	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor ______	depth ______	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow ______	velocity ___ cm/s	gravel	organic
(residential)	gully		silt	peat	direction ______	pools ______ %	shell	other ______
hedgerows	floodplain		color ______			riffles ______ %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color ______	pH ______	ambient temp ______
groundwater	sludge	trowel	(other: vacuum)	odor ______	ORP ______	barometric pressure ______
potable water	leachate	bucket		temp ______	salinity ______	relative humidity ______
sediment	waste	auger		DO ______	sample depth ______	weather conditions ______
soil	(other Composite)	ekman		cond ______	tide stage ______	______

ANALYSES TO BE PERFORMED **SAMPLE PREPARATION**

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB (circled)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other ______

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other ______

RCRA
A. TCLP
B. ignitability
C. corrosivity ______ pH ___
D. reactivity
E. other ______

OTHER ANALYSES
A. total cyanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other ______

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other
______

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other ______

STORAGE
wet ice
dry ice
ambient

COMMENTS: MASS = 2.618

FORM #1

201945

13293

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98
Time: _____
Samplers: Robbins/Morgan + 1
Site Name: Connell
Sample Location: 215 Belmore Ave.

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction	pools ___ %	shell	other ___
hedgerows	floodplain		color ___			riffles ___ %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other vacuum	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Composite	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other		other _____
_____		

STORAGE
wet ice
dry ice
ambient

COMMENTS: M955 = 11.69

FORM #1

201946

FIELD DATA SHEET

13294

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98 Samplers: Robbins/Morgenti Chain of Custody No.:
Time: Site Name: Cornell REAC Task Leader: K Robbins
Sample Location: 229 Belmore Ave. Carteret EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity cm/s	gravel	organic
residential	gully		silt	peat	direction	pools %	shell	other
hedgerows	floodplain		color			riffles %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other Vacuum	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Composite	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
J. metals, priority pollutant
K. metals, TAL
L. metals scan (ICP)
M. metals, other _____

RCRA
TCLP
ignitability
corrosivity _____ pH____
reactivity
other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other		other
_____		

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass = 1.30g

M #1

201947

13295

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98 | Samplers: Robbins/Morganti | Chain of Custody No.: _____
Time: _____ | Site Name: Cornell | REAC Task Leader: K. Robbins
Sample Location: 229 Delmore BR/Hall | EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction	pools ___%	shell	other
hedgerows	floodplain		color			riffles ___%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS	
surface water	effluent	kemmerer	ponar	color	pH	ambient temp	
groundwater	sludge	trowel	other Vacuum	odor	ORP	barometric pressure	
potable water	leachate	bucket		temp	salinity	relative humidity	
sediment	waste	auger		DO	sample depth	weather conditions	
soil	other Composite	ekman		cond	tide stage		

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO,
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na,SO,
other _____		other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass = 1.33g

FORM #1

201948

FIELD DATA SHEET

13250

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98 Samplers: Robbins/Morganti
Time: _____ Site Name: Cornell
Sample Location: 305 Spicer Ave Basement.

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction	pools ___ %	shell	other ___
hedgerows	floodplain		color ___			riffles ___ %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other VACUUM	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Sample	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other		other _____
_____		

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass = 9.009g

FORM #1

201949

13297

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98 Samplers: Robbins/Morganti Chain of Custody No.:
Time: Site Name: Cornell REAC Task Leader: K. Robbins
Sample Location: 221 Delmore 2nd floor Rear Lower EPA WAM: J. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity cm/s	gravel	organic
residential	gully		silt	peat	direction	pools %	shell	other
hedgerows	floodplain		color			riffles %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other vacuum	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Composite	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar NaOH
acetate core
plastic bag
plastic bucket
other
_____

PRESERVATIVES
HNO_3
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass = 35.39g

201950

FORM #1

13298

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98 Samplers: Robbins/Morgenti
Time: _____ Site Name: Cornell
Sample Location: 119 Delmore Ave. LR/BR Comp

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-252

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity _____ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____, pH _____, ORP _____, salinity _____, sample depth _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass = 9.52g

FORM #1

201951

13299

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98
Time: ____
Samplers: Robbins/Morganti
Site Name: Cornell
Sample Location: 510A Hamilton Blvd. LR/Nursery
Chain of Custody No.: ____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-282

SITE DESCRIPTION
landfill, old field, upland palustrine, industrial, wooded, lowland riverine, commercial, farmland, lacustrine, residential (circled), gully, hedgerows, floodplain

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color ____

SURFACE WATER
color ____, odor ____, flow ____, direction ____

STREAM
width ____, depth ____, velocity ____ cm/s, pools ____ %, riffles ____ %

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other ____, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Composite (circled)

DEVICE
kemmerer, ponar, trowel, other vacuum (circled), bucket, auger, ekman

SAMPLE INFORMATION
color ____, pH ____, odor ____, ORP ____, temp ____, salinity ____, DO ____, sample depth ____, cond ____, tide stage ____

WEATHER PARAMETERS
ambient temp ____, barometric pressure ____, relative humidity ____, weather conditions ____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB (circled)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other ____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other ____

RCRA
A. TCLP
B. ignitability
C. corrosivity ____ pH ____
D. reactivity
E. other ____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other ____

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, acetate core, plastic bag, plastic bucket, other ____

PRESERVATIVES
HNO_3, NaOH, Zn Acetate, HCl, Na_2SO_4, other ____

STORAGE
wet ice, dry ice, ambient

COMMENTS: Mass = 25.51g

FORM #1

201952

13300

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98 Samplers: Robbins/Morzati Chain of Custody No.: ______
REAC Task Leader: K. Robbins
Site Name: Cornell EPA WAM: S. Burchette
Time: ______ Sample Location: 221 Delmore 1st floor LR/TV Room Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color ____	width ____	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor ____	depth ____	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow ____	velocity ___ cm/s	gravel	organic
(residential)	gully		silt	peat	direction ____	pools ____ %	shell	other ____
hedgerows	floodplain		color ____			riffles ____ %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color ____	pH ____	ambient temp ____
groundwater	sludge	trowel	(other vacuum)	odor ____	ORP ____	barometric pressure ____
potable water	leachate	bucket		temp ____	salinity ____	relative humidity ____
sediment	waste	auger		DO ____	sample depth ____	weather conditions ____
soil	(other composite)	ekman		cond ____	tide stage ____	____

ANALYSES TO BE PERFORMED | **SAMPLE PREPARATION**

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB (circled)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other ______

OTHER ANALYSES
A. total cyanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other ______

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other
______

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other ______

STORAGE
wet ice
dry ice
ambient

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other ______

RCRA
A. TCLP
B. ignitability
C. corrosivity ______ pH ____
D. reactivity
E. other ______

COMMENTS: Mass = 0.67g

FORM #1

201953

13301

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98
Time: _____

Samplers: Robbins/Morgan
Site Name: Connell
Sample Location: 221 Belmore Ave. 1st floor BR

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, ~~hedgerows~~, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color _____

SURFACE WATER
color _____, odor _____, flow _____, direction _____

STREAM
width _____, depth _____, velocity ___ cm/s, pools _____%, riffles _____%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Composite

DEVICE
kemmerer, ponar, trowel, other vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color _____, pH _____, odor _____, ORP _____, temp _____, salinity _____, DO _____, sample depth _____, cond _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____, barometric pressure _____, relative humidity _____, weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. ~~pesticides~~/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 1.21g

FORM #1

201954

FIELD DATA SHEET

13302

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/27/98 (D)
Time: _____
Samplers: Robbins/Morgenti
Site Name: 221 Delmore 2nd F/for Rear BR
Sample Location: Corned

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color _____	width _____	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor _____	depth _____	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow _____	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction _____	pools _____ %	shell	other _____
hedgerows	floodplain		color _____			riffles _____ %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color _____	pH _____	ambient temp _____
groundwater	sludge	trowel	other Vacuum	odor _____	ORP _____	barometric pressure _____
potable water	leachate	bucket		temp _____	salinity _____	relative humidity _____
sediment	waste	auger		DO _____	sample depth ___	weather conditions _____
soil	other Composite	ekman		cond _____	tide stage _____	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other _____		other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 1.628

FORM #1

201955

13303

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/30/98
Time:
Samplers: Robbins/Morganti
Site Name: Cornell
Sample Location: 320 Spicer Den

Chain of Custody No.:
REAC Task Leader: K. Robbins
EPA WAM: S. Burdette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color

SURFACE WATER
color, odor, flow, direction

STREAM
width, depth, velocity ___ cm/s, pools ___%, riffles ___%

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, other Vacuum, trowel, bucket, auger, ekman

SAMPLE INFORMATION
color, odor, temp, DO, cond, pH, ORP, salinity, sample depth, tide stage

WEATHER PARAMETERS
ambient temp, barometric pressure, relative humidity, weather conditions

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass = 13.15g

201956

FORM #1

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/30/98 Samplers: Robbins/Morganti Chain of Custody No.:
Time: Site Name: Cornell REAC Task Leader: K. Robbin
Sample Location: 214 Spicer BR EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM
landfill	old field	upland palustrine	rock	clay	color	width	rock
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble
commercial	farmland	lacustrine	sand	loam	flow	velocity cm/s	gravel
residential	gully		silt	peat	direction	pools %	shell
~~hedgerows~~	floodplain		color			riffles %	sand

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER
surface water	effluent	kemmerer	~~ponar~~	color	pH	ambient
groundwater	sludge	trowel	other VOC vial	odor	ORP	barometric
potable water	leachate	bucket		temp	salinity	relative
sediment	waste	auger		DO	sample depth	weather cond
soil	other Composite	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. ~~pesticides~~/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRE
glass jar		HNO
plastic jar	NaOH	
acetate core		Zn A
plastic bag		HCl
plastic bucket		Na,S
other		othe
_____		

STORAGE
wet ice
dry ice
ambient

COMMENTS: MASS = 0.019 g

FORM #1

201957

13305

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/30/98
Time: ____
Samplers: Robbins/Morgante
Site Name: Cornell
Sample Location: 214 Spicer Hallway/Stairs
Chain of Custody No.: ____
REAC Task Leader: K. Robbins
EPA WAM: S. Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, old field, upland palustrine, industrial, wooded, lowland riverine, commercial, farmland, lacustrine, (residential — circled), gully, hedgerows, floodplain

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color ____

SURFACE WATER
color ____, odor ____, flow ____, direction ____

STREAM
width ____, depth ____, velocity ____ cm/s, pools ____ %, riffles ____ %

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other ____, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, (other Composite — circled)

DEVICE
kemmerer, ponar, trowel, (other Vacuum — circled), bucket, auger, ekman

SAMPLE INFORMATION
color ____, pH ____, odor ____, ORP ____, temp ____, salinity ____, DO ____, sample depth ____, cond ____, tide stage ____

WEATHER PARAMETERS
ambient temp ____, barometric pressure ____, relative humidity ____, weather conditions ____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB (circled)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other ____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other ____

RCRA
A. TCLP
B. ignitability
C. corrosivity ____ pH ____
D. reactivity
E. other ____

OTHER ANALYSES
A. total cyanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other ____

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, acetate core, plastic bag, plastic bucket, other ____

PRESERVATIVES
HNO_3, NaOH, Zn Acetate, HCl, Na_2SO_4, other ____

STORAGE
wet ice, dry ice, ambient

COMMENTS: Mass = 0.04 g

FORM #1

201958

FIELD DATA SHEET

13306

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/30/98 Samplers: Robbins/Morgan
Time: _____ Site Name: Cornell
Sample Location: 511 Hamilton CR

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burdette
Work Assignment No.: 2262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color _____	width _____	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor _____	depth _____	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow _____	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction _____	pools _____%	shell	other _____
hedgerows	floodplain		color _____			riffles _____%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color _____	pH _____	ambient temp _____
groundwater	sludge	trowel	other Scoop	odor _____	ORP _____	barometric pressure _____
potable water	leachate	bucket		temp _____	salinity _____	relative humidity _____
sediment	waste	auger		DO _____	sample depth ___	weather conditions _____
soil	other Composite	ekman		cond _____	tide stage _____	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other _____		other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 4.93g

FORM #1

201959

13307

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/30/98 Samplers: Robbins/Morgan A;
Time: _____ Site Name: Cornell
Sample Location: 108 Spices Stairs/Hall

Chain of Custody No.: _____
REAC Task Leader: K. Robbins
EPA WAM: S. Burgette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat
color _____

SURFACE WATER
color _____
odor _____
flow _____
direction _____

STREAM
width _____
depth _____
velocity _____ cm/s
pools _____ %
riffles _____ %

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other _____, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Composite

DEVICE
kemmerer, ponar, other Vacuum, trowel, bucket, auger, ekman

SAMPLE INFORMATION
color _____
odor _____
temp _____
DO _____
cond _____
pH _____
ORP _____
salinity _____
sample depth _____
tide stage _____

WEATHER PARAMETERS
ambient temp _____
barometric pressure _____
relative humidity _____
weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other _____

STORAGE
wet ice
dry ice
ambient

COMMENTS: Mass= 0.479

FORM #1

201959A

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Chain of Custody No.: ______
Samplers: Robbins/Morganti
REAC Task Leader: Robbins
Date: 4/30/98
Site Name: Cornell Dubilier
EPA WAM: Burchette
Time: ______
Sample Location: 468 Forest LR/BR Comp
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color ______	width ______	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor ______	depth ______	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow ______	velocity ___ cm/s	gravel	organic
(residential)	gully		silt	peat	direction ______	pools ______ %	shell	other ______
hedgerows	floodplain		color ______			riffles ______ %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color ______	pH ______	ambient temp ______
groundwater	sludge	trowel	(other Vacuum)	odor ______	ORP ______	barometric pressure ______
potable water	leachate	bucket		temp ______	salinity ______	relative humidity ______
sediment	waste	auger		DO ______	sample depth ___	weather conditions ______
soil	(other Dust)	ekman		cond ______	tide stage ______	______

ANALYSES TO BE PERFORMED

ORGANICS	OTHER ANALYSES	CONTAINER		PRESERVATIVES
A. halogenated & aromatic volatiles	A. total cynanide	(glass jar)		HNO_3
B. volatiles	B. total phenol	plastic jar	NaOH	
C. trihalomethanes	C. petroleum hydrocarbons	acetate core		Zn Acetate
D. pesticides/PCB	D. pH	plastic bag		HCl
(E. PCB)	E. alkalinity	plastic bucket		Na_2SO_3
F. base neutral/acid extractables	F. hardness	other		(other None)
G. pesticides, drinking water	G. total dissolved solids	______		
H. herbicides, drinking water	H. total suspended solids			
I. other ______	I. sulfate	**STORAGE**		
	J. TOC	wet ice		
INORGANICS	K. grain size	dry ice		
A. metals, priority pollutant	L. percent moisture	(ambient)		
B. metals, TAL	M. other ______			
C. metals scan (ICP)				
D. metals, other ______				

SAMPLE PREPARATION

RCRA
A. TCLP
B. ignitability
C. corrosivity ______ pH ___
D. reactivity
E. other ______

COMMENTS:

Mass = 1.29g
Background Sample

FORM #1

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Chain of Custody No.: ____
Samplers: Robbins/Morganti
REAC Task Leader: Robbins
Date: 9/30/98
Site Name: Cornell Dubilier
EPA WAM: Burchette
Time: ____
Sample Location: 511 Hamilton BRCOMP
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color ____	width ____	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor ____	depth ____	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow ____	velocity ____ cm/s	gravel	organic
residential (circled)	gully		silt	peat	direction ____	pools ____ %	shell	other ____
hedgerows	floodplain		color ____			riffles ____ %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color ____	pH ____	ambient temp ____
groundwater	sludge	trowel	other Hand Vacuum (circled)	odor ____	ORP ____	barometric pressure ____
potable water	leachate	bucket		temp ____	salinity ____	relative humidity ____
sediment	waste	auger		DO ____	sample depth ____	weather conditions ____
soil	other Vacuum Dust (circled)	ekman		cond ____	tide stage ____	____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB (circled)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other ____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other ____

RCRA
A. TCLP
B. ignitability
C. corrosivity ____ pH ____
D. reactivity
E. other ____

OTHER ANALYSES
A. total cyanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other ____

SAMPLE PREPARATION

CONTAINER
glass jar (circled)
plastic jar
acetate core
plastic bag
plastic bucket
other ____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other None (circled)

STORAGE
wet ice
dry ice
ambient (circled)

COMMENTS:
Mass = 0.10 g

FORM #1

201961

13310

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Samplers: Robbins/Morgant
Date: 4/30/97 Site Name: Carnegie Dubbler
Time: _____ Sample Location: 108 Spicer BR COMP

Chain of Custody No.: _____
REAC Task Leader: Robbins
EPA WAM: Burchette
Work Assignment No.: 2-2682

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity cm/s	gravel	organic
residential	gully		silt	peat	direction	pools %	shell	other
hedgerows	floodplain		color			riffles %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other Kepa Vacuum	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Vacuum Dust	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER	PRESERVATIVES
glass jar	HNO3
plastic jar	NaOH
acetate core	Zn Acetate
plastic bag	HCl
plastic bucket	Na2SO3
other	other UNO

STORAGE
wet ice
dry ice
ambient

COMMENTS:
Mass = 0.02 g

FORM #1

201962

13311

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 7/3/96
Time: _____
Samplers: Robbins/Morgenti
Site Name: Cornell Dubilier
Sample Location: 108 Spicer Family Room
Chain of Custody No.: _____
REAC Task Leader: Robbins
EPA WAM: Burkette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction	pools ___%	shell	other ___
hedgerows	floodplain		color ___			riffles ___%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other Hepa Vacuum	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Vacuum	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
- A. halogenated & aromatic volatiles
- B. volatiles
- C. trihalomethanes
- D. pesticides/PCB
- E. PCB
- F. base neutral/acid extractables
- G. pesticides, drinking water
- H. herbicides, drinking water
- I. other _____

INORGANICS
- A. metals, priority pollutant
- B. metals, TAL
- C. metals scan (ICP)
- D. metals, other _____

RCRA
- A. TCLP
- B. ignitability
- C. corrosivity _____ pH ___
- D. reactivity
- E. other _____

OTHER ANALYSES
- A. total cynanide
- B. total phenol
- C. petroleum hydrocarbons
- D. pH
- E. alkalinity
- F. hardness
- G. total dissolved solids
- H. total suspended solids
- I. sulfate
- J. TOC
- K. grain size
- L. percent moisture
- M. other _____

SAMPLE PREPARATION

CONTAINER
- glass jar
- plastic jar
- acetate core
- plastic bag
- plastic bucket
- other _____

PRESERVATIVES
- HNO,
- NaOH
- Zn Acetate
- HCl
- Na,SO,
- other [illegible]

STORAGE
- wet ice
- dry ice
- ambient

COMMENTS:

Mass = 0.30 g

201963

FORM #1

13312

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Samplers: Robbins/Morganti
Date: 4/30/98 Site Name: Cornell Dubilier
Time: _____ Sample Location: 501 Hamilton LR

Chain of Custody No.: _____
REAC Task Leader: Robbins
EPA WAM: Burchette
Work Assignment No.: 2-252

SITE DESCRIPTION
landfill, industrial, commercial, (residential), hedgerows; old field, wooded, farmland, gully, floodplain; upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, gravel, sand, silt, color _____; clay, muck, loam, peat

SURFACE WATER
color _____
odor _____
flow _____
direction _____

STREAM
width _____
depth _____
velocity ___ cm/s
pools _____ %
riffles _____ %

BOTTOM
rock, rubble, gravel, shell, sand; silt, clay, organic, other _____

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil; effluent, sludge, leachate, waste, other Vacuum Dust

DEVICE
kemmerer, trowel, bucket, auger, ekman; ponar, other Hepa Vacuum

SAMPLE INFORMATION
color _____, odor _____, temp _____, DO _____, cond _____
pH _____, ORP _____, salinity _____, sample depth _____, tide stage _____

WEATHER PARAMETERS
ambient temp _____
barometric pressure _____
relative humidity _____
weather conditions _____

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
(E. PCB)
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ____
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
(glass jar)
plastic jar
acetate core
plastic bag
plastic bucket
other _____

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_3
other None

STORAGE
wet ice
dry ice
(ambient)

COMMENTS:
Mass = 0.75g

FORM #1

201964

13313

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/13/98
Time: _____
Samplers: Robbins / Morgenti
Site Name: Cornell Dubilier
Sample Location: 501 Hamilton Bedrooms Comp.
Chain of Custody No.: _____
REAC Task Leader: Robbins
EPA WAM: Burdette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction	pools ___ %	shell	other ___
hedgerows	floodplain		color ___			riffles ___ %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color ___	pH ___	ambient temp ___
groundwater	sludge	trowel	other Vacuum	odor ___	ORP ___	barometric pressure ___
potable water	leachate	bucket		temp ___	salinity ___	relative humidity ___
sediment	waste	auger		DO ___	sample depth ___	weather conditions ___
soil	other Vacuum Duplicate	ekman		cond ___	tide stage ___	

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. ~~pesticides~~/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other _____

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other _____

RCRA
A. TCLP
B. ignitability
C. corrosivity _____ pH ___
D. reactivity
E. other _____

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other _____

SAMPLE PREPARATION

CONTAINER
glass jar
plastic jar
acetate core
plastic bag
plastic bucket
other _____

STORAGE
wet ice
dry ice
ambient

PRESERVATIVES
HNO_3
NaOH
Zn Acetate
HCl
Na_2SO_4
other None

COMMENTS: Mass = 1.139

FORM #1

201965

13314

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Samplers: Robbins / Morganti
Chain of Custody No.:
REAC Task Leader: Robbins
Date: 4/30/98
Site Name: Correll Dubilier
EPA WAM: Burckett
Time:
Sample Location: 214 Spicer family Room
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color

SURFACE WATER
color, odor, flow, direction

STREAM
width, depth, velocity cm/s, pools %, riffles %

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other, sand

SAMPLE TYPE
surface water, effluent, groundwater, sludge, potable water, leachate, sediment, waste, soil, other Vacuum Dust

DEVICE
kemmerer, ponar, trowel, other HEPA Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color, odor, temp, DO, cond, pH, ORP, salinity, sample depth, tide stage

WEATHER PARAMETERS
ambient temp, barometric pressure, relative humidity, weather conditions

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other

RCRA
A. TCLP
B. ignitability
C. corrosivity pH
D. reactivity
E. other

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, acetate core, plastic bag, plastic bucket, other

STORAGE
wet ice, dry ice, ambient

PRESERVATIVES
HNO_3, NaOH, Zn Acetate, HCl, Na_2SO_4, other None

COMMENTS:
Mass = 0.02 g

FORM #1

201966

14253

FIELD DATA SHEET

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Date: 4/30/98
Time: _____
Samplers: Robbins / Mergenti
Site Name: Cornell Dubilier
Sample Location: 320 Sicker Halloway
Chain of Custody No.: _____
REAC Task Leader: Robbins
EPA WAM: Burkette
Work Assignment No.: 2-262

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER	STREAM	BOTTOM	
landfill	old field	upland palustrine	rock	clay	color	width	rock	silt
industrial	wooded	lowland riverine	gravel	muck	odor	depth	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	velocity ___ cm/s	gravel	organic
residential	gully		silt	peat	direction	pools ___ %	shell	other ___
hedgerows	floodplain		color ___			riffles ___ %	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS
surface water	effluent	kemmerer	ponar	color	pH	ambient temp
groundwater	sludge	trowel	other Vacuum	odor	ORP	barometric pressure
potable water	leachate	bucket		temp	salinity	relative humidity
sediment	waste	auger		DO	sample depth	weather conditions
soil	other Vacuum Dust	ekman		cond	tide stage	

ANALYSES TO BE PERFORMED

ORGANICS
- A. halogenated & aromatic volatiles
- B. volatiles
- C. trihalomethanes
- D. pesticides/PCB
- E. PCB
- F. base neutral/acid extractables
- G. pesticides, drinking water
- H. herbicides, drinking water
- I. other _____

INORGANICS
- A. metals, priority pollutant
- B. metals, TAL
- C. metals scan (ICP)
- D. metals, other _____

RCRA
- A. TCLP
- B. ignitability
- C. corrosivity _____ pH ___
- D. reactivity
- E. other _____

OTHER ANALYSES
- A. total cynanide
- B. total phenol
- C. petroleum hydrocarbons
- D. pH
- E. alkalinity
- F. hardness
- G. total dissolved solids
- H. total suspended solids
- I. sulfate
- J. TOC
- K. grain size
- L. percent moisture
- M. other _____

SAMPLE PREPARATION

CONTAINER		PRESERVATIVES
glass jar		HNO_3
plastic jar	NaOH	
acetate core		Zn Acetate
plastic bag		HCl
plastic bucket		Na_2SO_4
other _____		other _____

STORAGE
- wet ice
- dry ice
- ambient

COMMENTS:

Mass = 3.48 g

FORM #1

201967

FIELD DATA SHEET

14254

REAC, EDISON, NJ
(908) 321-4200
EPA CONTRACT 68-C4-0022

Samplers: Robbins / Morgenti
Chain of Custody No.:
Date: 7/30/98
Site Name: Carroll Dubiller
REAC Task Leader: Robbins
Time:
Sample Location: 320 Spicer LR
EPA WAM: Burchette
Work Assignment No.: 2-262

SITE DESCRIPTION
landfill, industrial, commercial, residential, hedgerows, old field, wooded, farmland, gully, floodplain, upland palustrine, lowland riverine, lacustrine

SOIL TYPE
rock, clay, gravel, muck, sand, loam, silt, peat, color

SURFACE WATER
color, odor, flow, direction

STREAM
width, depth, velocity cm/s, pools %, riffles %

BOTTOM
rock, silt, rubble, clay, gravel, organic, shell, other, sand

SAMPLE TYPE
surface water, groundwater, potable water, sediment, soil, effluent, sludge, leachate, waste, other Dust

DEVICE
kemmerer, ponar, trowel, other Vacuum, bucket, auger, ekman

SAMPLE INFORMATION
color, odor, temp, DO, cond, pH, ORP, salinity, sample depth, tide stage

WEATHER PARAMETERS
ambient temp, barometric pressure, relative humidity, weather conditions

ANALYSES TO BE PERFORMED

ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
C. trihalomethanes
D. pesticides/PCB
E. PCB
F. base neutral/acid extractables
G. pesticides, drinking water
H. herbicides, drinking water
I. other

INORGANICS
A. metals, priority pollutant
B. metals, TAL
C. metals scan (ICP)
D. metals, other

RCRA
A. TCLP
B. ignitability
C. corrosivity pH
D. reactivity
E. other

OTHER ANALYSES
A. total cynanide
B. total phenol
C. petroleum hydrocarbons
D. pH
E. alkalinity
F. hardness
G. total dissolved solids
H. total suspended solids
I. sulfate
J. TOC
K. grain size
L. percent moisture
M. other

SAMPLE PREPARATION

CONTAINER
glass jar, plastic jar, acetate core, plastic bag, plastic bucket, other

STORAGE
wet ice, dry ice, ambient

PRESERVATIVES
HNO_3, NaOH, Zn Acetate, HCl, Na_2SO_4, other None

COMMENTS: Mass = 1.359

CM #1

201968

REAC, Edison, NJ
(908) 321-4200
EPA Contract 68-C4-0022

CHAIN OF CUSTODY RECORD

Project Name: Cornell Dubilier
Project Number: 03347-142-001-2262-01
RFW Contact: Ken Robbins Phone: 732-321-4200

No: 05549

SHEET NO 1 OF 1

Sample Identification

Analyses Requested

REAC #	Sample No.	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	PCB	Mass (g)
	A13252	109 Hamilton Ave Apt 1A	X	4/22/98	1	4oz. Amber/None	X	15.05
	A13253	109 Hamilton Ave Apt 1B						1.38
	A13254	105 Hamilton Ave 1st Floor						43.67
	A13255	109 Hamilton Ave Apt 2A						1.20
	A13256	27 Delmore LR/kit						0.96
	A13257	27 Delmore Bedroom						6.74
	A13258	101 Hamilton Ave 2nd Apt. Kit						4.34
	A13259	105 Hamilton Ave 2nd Floor						1.98
	A13260	237 Delmore Blvd						0.98

Matrix:

SD -	Sediment	PW -	Potable Water	S -	Soil
DS -	Drum Solids	GW -	Groundwater	W -	Water
DL -	Drum Liquids	SW -	Surface Water	O -	Oil
X -	Other Dust	SL -	Sludge	A -	Air

Special Instructions:

Kit - kitchen
Blvd. - Boulevard
g - grams
Apt. - Apartment
PCB - polychlorinated Biphenyl
LR - Living Room

FOR SUBCONTRACTING USE ONLY

FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished By	Date	Received By	Date	Time	Items/Reason	Relinquished By	Date	Received By	Date	Time
Characterize	[signature]	4/27/98									

201969

FORM #4

8/94

201970

REAC, Edison, NJ
(908) 321-4200
EPA Contract 68-C4-0022

CHAIN OF CUSTODY RECORD

Project Name: Cornell Dublin
Project Number: 03347-142-001-2262-01
RFW Contact: Ken Robbins · Phone: 732-321-4200

No: 05582

SHEET NO. 1 OF 1

Sample Identification

Analyses Requested

REAC #	Sample No.	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	PCB	Mass(g)
	A13261	201 Delmore	X	4/23/98	1	40z Amber/None	V	0.72
	A13262	335 Delmore 1st Floor						1.45
	A13263	335 Delmore 2nd Floor						0.66
	A13264	204 Spizer FR						0.27
	A13265	204 Spizer BR Comp						0.14
	A13266	204 Spizer Kitchen						0.11
	A13267	130 Spizer BR 1st Floor						16.93
	A13268	130 Spizer 1st Floor LR						8.62
	A13269	130 Spizer Boys BR 2nd Floor						2.08
	A13270	130 Spizer 2nd Floor LR						5.74
	A13271	207 Hamilton Playroom						3.21
	A13272	207 Hamilton DR						0.96
	A13273	207 Hamilton LR						0.41
	A13274	346 Hamilton Blvd. Comp						2.52

Special Instructions:

REAC, Edison, NJ
(908) 321-4200
EPA Contract 68-C4-0022

CHAIN OF CUSTODY RECORD

Project Name: Cornell Dublin
Project Number: 03347-142-001-2162-01
RFW Contact: Ken Robbins Phone: 732-321-4200

No: 05585

SHEET NO. 1 OF 1

Sample Identification

Analyses Requested

REAC #	Sample No.	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	PCB	Mass(g)
	A13275	500 Garibaldi; LR	x	4/24/98	1	40z Amber/None	✓	20.03
	A13276	500 Garibaldi; DR/kit						8.50
	A13277	500 Garibaldi; BR						0.13
	A13278	31 Delmore Upstairs Comp						5.06
	A13279	31 Delmore Nursery						0.03
	A13280	31 Delmore LR/DR Comp						0.21
	A13281	23 Delmore 2nd Floor Comp						2.70
	A13282	23 Delmore 1st Floor Apt						9.64
	A13283	501 Garibaldi; Bdrm Rm						0.49
	A13284	501 Garibaldi; Work Rm						0.09
	A13285	501 Garibaldi; LR						0.30
	A13286	403 Hamilton Comp						4.11
	A13287	207 Delmore BR Comp						0.75
	A13288	207 Delmore						0.31
	A13289	115 Delmore 2nd Floor Apt.						1.96
	A13290	115 Delmore 1st Floor Apt						5.31

201971

Matrix:
SD - Sediment
DS - Drum Solids
DL - Drum Liquids
X - Other DUST
PW - Potable Water
GW - Groundwater
SW - Surface Water
SL - Sludge
S - Soil
W - Water
O - Oil
A - Air

Special Instructions:

LR - Living Room
g - grams
DR - Dining Room
kit - kitchen
BR - Bedroom
comp. - composite
Apt - apartment

FOR SUBCONTRACTING USE ONLY

FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished By	Date	Received By	Date	Time	Items/Reason	Relinquished By	Date	Received By	Date	Time
All analyses	[signature]	4/27/98									

FORM #4

REAC, Edison, NJ
(908) 321-4200
EPA Contract 68-C4-0022

CHAIN OF CUSTODY RECORD

Project Name: Cornell Dublier
Project Number: 03347-142-001-2262-01
RFW Contact: Ken Robbins Phone: 732-321-4200

No: 05586

SHEET NO. 1 OF 1

Sample Identification

Analyses Requested

REAC #	Sample No.	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	PCB	Mass (g)
	A13291	305 Spice LR	X	4/27/98	1	4oz A/None	✓	2.60
	A13292	215 Delmore BR1+2 comp.						2.61
	A13293	215 Delmore LR						11.66
	A13294	229 Delmore Apt. LR/TVR						1.30
	A13295	229 Delmore BR/Hall						1.33
	A13296	305 Spice Basement						9.00
	A13297	221 Delmore 2nd FL LR/TVR						25.39 g
	A13298	19 Delmore LR/BR comp.						9.52 g
	A13299	510A Hamilton LR/Nursery						25.51
	A13300	221 Delmore 1st FL LR/TV comp.						0.67
	A13301	221 Delmore 1st FL BR						1.21
	A13302	221 Delmore 2nd FL Hall BR	↓	↓	↓	↓	↓	1.62

201972

Matrix:

SD -	Sediment	PW -	Potable Water	S -	Soil
DS -	Drum Solids	GW -	Groundwater	W -	Water
DL -	Drum Liquids	SW -	Surface Water	O -	Oil
X -	Other DUST	SL -	Sludge	A -	Air

Special Instructions:

LR-Living Room
A'-Amber
PCB-Polychlorinated Biphenyl
g-grams
BR-Bed Room
comp.-composite
TVR-TV Room
FL-Floor

FOR SUBCONTRACTING USE ONLY

FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished By	Date	Received By	Date	Time	Items/Reason	Relinquished By	Date	Received By	Date	Time
all/analysis	[signature]	4/28/98									

FORM #4

8/94

201973

REAC, Edison, NJ
(908) 321-4200
EPA Contract 68-C4-0022

CHAIN OF CUSTODY RECORD

Project Name: Cornell Dubilier
Project Number: 03347-143-068-2262-01
RFW Contact: K. Robbins Phone: 24298

No: 05584

SHEET NO. 1 OF 1

050198 -

Sample Identification

Analyses Requested

REAC #	Sample No.	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	PCB's	Mass (g)
723	13303	320 Spicer - Pan	X	4/30/98	1	4 oz glass/None	✓	13.15 g
724	13304	214 Spicer - BR						0.01
725	13305	214 Spicer - Hall						0.04
726	13306	511 Hamilton LR						4.93
727	13307	108 Spicer Stairs						0.47
728	13308	401 Forest LR/BR						1.39 g
729	13309	511 Hamilton BR						0.10
730	13310	108 Spicer BR						0.03
731	13311	108 Spicer FR						0.30
732	13312	501 Hamilton LR		↓				0.75
733	3313	501 Hamill - BR		5/1/98				1.13
734	3314	214 Spicer - FR						1.02
735	14253	320 Spicer Hall	↓	↓	↓	↓	↓	3.48
736	14254	320 Spicer LR	X	5/1/98	1	4 oz glass/None	✓	1.35

Matrix:
SD - Sediment
DS - Drum Solids
DL - Drum Liquids
PW - Potable Water
GW - Groundwater
SW - Surface Water
S - Soil
W - Water
O - Oil

Special Instructions:

FOR SUBCONTRACTING USE ONLY

ANALYTICAL REPORT

Prepared by
Roy F. Weston, Inc.

Cornell Dubilier
South Plainfield, NJ

June, 1998

EPA Work Assignment No. 3-262
WESTON Work Order No. 03347-143-001-3262-01
EPA Contract No. 68-C4-0022

Submitted to
S. Burchette
EPA-ERTC

K. Robbins Task Leader	6/19/98 Date	Analysis by: REAC
V. Kansal Analytical Section Leader	6/22/98 Date	Prepared by: J. Johnson
E. Gilardi Program Manager	6/22/98 Date	Reviewed by: M. Barkley

Table of Contents

Introduction

REAC in response to WA #2-262 and 3-262, provided analytical support for environmental samples collected from the Cornell Dubilier site, located in South Plainfield, NJ as described in the following table. The support also included QA/QC, data review, and preparation of an analytical report containing a summary of the analytical methods, the results, and the QA/QC results.

The samples were treated with procedures consistent with those described in SOP #1008.

COC #	Number of Samples	Sampling Date	Date Received	Matrix	Analysis	Laboratory
05549	9	4/22/98	4/22/98	Dust	PCB	REAC
05582	14	4/23/98	4/24/98	Dust	PCB	REAC
05585	16	4/24/98	4/27/98	Dust	PCB	REAC
05586	12	4/27/98	4/28/98	Dust	PCB	REAC
05584	10	4/30/98	5/01/98	Dust	PCB	REAC
05584	4	5/01/98	5/01/98	Dust	PCB	REAC

Case Narrative

Two different work assignment numbers may appear on documents due to a change in the REAC contract option period.

PCB Data Package H-213 - PCB in Dust

In the end of sequence check of 4/28/98 the %D for DCBP (27%), exceeded the acceptable QC limit. Sample results are not quantitated using this calibration check, the data are not affected.

In the end of sequence check of 4/29/98 the %D for DCBP (31%), exceeded the acceptable QC limit. Sample results are not quantitated using this calibration check, the data are not affected.

In the end of sequence check of 4/30/98 the %D for DCBP (53%), aroclor 1254-peak 2(35%), peak 4(28%) and peak 5(31%) exceeded the acceptable QC limit. Sample results are not quantitated using this calibration check, the data are not affected.

In the end of sequence check of 5/05/98 the %D for DCBP (45%), exceeded the acceptable QC limit. Sample results are not quantitated using this calibration check, the data are not affected.

In the end of sequence check of 5/07/98, aroclor 1242-peak 1(31%), and aroclor 1254 peak 2(28%) , peak 3(30%), peak 4(28%) and peak 5(32%) exceeded the acceptable QC limit. Sample results are not quantitated using this calibration check, the data are not affected.

Samples 13303MS, 13303MSD, 13313, A13275, A13275MSD, A13278, A13279, A13286, A13290, A13297, A13297MS and A13300 have one surrogate that exceeded the acceptable QC limits or have matrix interference in the surrogate retention times. The data are not affected.

Samples 13254, A13296, A13297MSD, A13298, and A13302 have both surrogates that exceeded the acceptable QC limits. The results of these samples should be considered estimated for positive hits and non-detects.

Summary of Abbreviations

AA	Atomic Absorption
B	The analyte was found in the blank
BFB	Bromofluorobenzene
BPQL	Below the Practical Quantitation Limit
BS	Blank Spike
BSD	Blank Spike Duplicate
C	Centigrade
D	(Surrogate and MS/MSD Table) this value is from a diluted sample and was not calculated (Result Table) this result was obtained from a diluted sample
Dioxin	Denotes Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans and/or PCDD and PCDF
CLP	Contract Laboratory Protocol
COC	Chain of Custody
CONC	Concentration
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
DFTPP	Decafluorotriphenylphosphine
DL	Detection Limit
E	The value is greater than the highest linear standard and is estimated
EMPC	Estimated maximum possible concentration
ICAP	Inductively Coupled Argon Plasma
ISTD	Internal Standard
J	The value is below the method detection limit and is estimated
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDL	Method Detection Limit
MI	Matrix Interference
MS	Matrix Spike
MSD	Matrix Spike Duplicate
MW	Molecular Weight
NA	either Not Applicable or Not Available
NC	Not Calculated
NR	Not Requested
NS	Not Spiked
% D	Percent Difference
% REC	Percent Recovery
PQL	Practical Quantitation Limit
PPBV	Parts per billion by volume
QL	Quantitation Limit
RPD	Relative Percent Difference
RSD	Relative Standard Deviation
SIM	Selected Ion Mode
TCLP	Toxic Characteristics Leaching Procedure
U	Denotes not detected
W	Weathered sample; the value should be regarded as estimated

m^3	cubic meter	kg	kilogram	µg	microgram
L	liter	g	gram	pg	picogram
mL	milliliter	mg	milligram		
µL	microliter				

* denotes a value that exceeds the acceptable QC limit

Abbreviations that are specific to a particular table are explained in footnotes on that table

Analytical Procedure for PCBs in Dust

Extraction Procedure

All the sample received was transferred into a 100ml serum vial, spiked with pesticide surrogate solution (TCMX and DCBP) and then 40ml of hexane were added. The samples were shaken for 20 minutes on an orbital shaker(275rpm speed). The hexane was filtered through glass wool and sodium sulfate into a flask. The dust samples were extracted twice more with 30ml of hexane, filtering after each extraction. The combined extracts were quantitatively transferred to a Kuderna-Danish flask and concentrated to 5ml final volume. The sulfuric acid cleanup was then performed on the extract.

Gas Chromatographic Analysis

The extract was analyzed for PCBs using simultaneous dual column injections. The analysis was done on an HP 5890, equipped with a HP 7673A automatic sampler, and controlled with an HP Chem-Station. The following conditions were employed:

First Column	DB-608, 30 meter, 0.32mm fused silica capillary, 0.50 µm film thickness
Injector Temperature	200° C
Detector Temperature	325° C
Second Column	Rtx-CLPesticides, 30 meter, 0.53mm fused silica capillary, 0.50 µm film thickness
Injector Temperature	200° C
Detector Temperature	325° C
Temperature Program-(both columns)	70 ° C for 1 minute 30 °C/min to 150°C, 0.5 min at 150°C 8 °C/min to 275°C, 10 min at 275°C

The gas chromatographs were calibrated using 5 PCB standards at 250, 500, 1000, 2000, and 5000 µg/L. Five representative peaks were chosen and the responses from each mixture were used to calculate the response factors (RF) of the analyte. The average RF was used to calculate the concentration of PCB's in the sample. Quantification was based on the DB-608 column (signal 1) and the identity of the analyte was confirmed using the Rtx-CLPesticides column (signal 2). A fingerprint chromatogram was run using each of the seven Aroclor mixtures; calibration curves were run only if a particular Aroclor or toxaphene was found in the sample.

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

$$C_u = \frac{DF x A_u x V_t}{RF_{ave} x V_i x W x D}$$

where

C_u	=	Concentration of analyte (μg/kg)
DF	=	Dilution Factor
A_u	=	Area or peak height
V_t	=	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 RF for each specific analyte is quantitated based on the area response from the continuing calibration check as follows:

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

where

A_u = Area or peak height

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

and, where

n = number of samples

Revision 11/13/97

201980

Table 1.1 Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	SBLK042498		A13252		A13253		A13254		A13255	
Location	-		409 Hamilton Apt. 1A		409 Hamilton Apt. 1B		405 Hamilton 1st Floor		409 Hamilton Apt. 2A	
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016	U	0.30	U	0.40	U	0.90	U	0.30	U	1.0
Aroclor 1221	U	0.50	U	0.80	U	1.80	U	0.50	U	2.1
Aroclor 1232	U	0.30	U	0.40	U	0.90	U	0.30	U	1.0
Aroclor 1242	U	0.30	U	0.40	U	0.90	U	0.30	3.6	1.0
Aroclor 1248	U	0.30	U	0.40	U	0.90	U	0.30	U	1.0
Aroclor 1254	U	0.30	0.45 W	0.40	0.43 J	0.90	3.3	0.30	2.4 W	1.0
Aroclor 1260	U	0.30	U	0.40	U	0.90	0.78 W	0.30	U	1.0

201981

3262\DEL\AR\9806\Srest

Table 1.1 (Cont.) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	A13256		A13257		A13258		A13259		A13260	
Location	127 Delmore LR/Kit		127 Delmore Bedroom		401 Hamilton 2nd Apt. R.		405 Hamilton 2nd FL		237 Delmore Blvd.	
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016	U	1.3	U	0.30	U	0.30	U	0.60	U	1.3
Aroclor 1221	U	2.6	U	0.50	U	0.60	U	1.3	U	2.6
Aroclor 1232	U	1.3	U	0.30	U	0.30	U	0.60	U	1.3
Aroclor 1242	U	1.3	U	0.30	U	0.30	U	0.60	U	1.3
Aroclor 1248	U	1.3	U	0.30	U	0.30	U	0.60	U	1.3
Aroclor 1254	0.37 J	1.3	0.48	0.30	21	0.30	0.40 J	0.60	2.8	1.3
Aroclor 1260	U	1.3	U	0.30	U	0.30	U	0.60	U	1.3

201982

Table 1.1(Cont.) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	A13261		A13262		A13263		A13264		A13265	
Location	201 Delmore		135 Delmore 1st Floor		135 Delmore 2nd Floor		204 Spicer FR		204 Spicer BR Comp	
Percent Solid	100		100		100		100		100	
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016	U	1.70	U	0.90	U	1.9	U	4.6	U	8.9
Aroclor 1221	U	3.5	U	1.7	U	3.8	U	9.3	U	18
Aroclor 1232	U	1.70	U	0.90	U	1.9	U	4.6	U	8.9
Aroclor 1242	U	1.70	U	0.90	U	1.9	U	4.6	U	8.9
Aroclor 1248	U	1.70	U	0.90	U	1.9	U	4.6	U	8.9
Aroclor 1254	0.42 J	1.70	0.98	0.90	1.0 J	1.9	U	4.6	U	8.9
Aroclor 1260	U	1.70	U	0.90	0.65 J	1.9	U	4.6	U	8.9

Table 1.1(Cont.) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID		A13266		A13267		A13268		A13269		A13270	
Location		204 Spicer Kitchen		130 Spicer BR1 1st Floor		130 Spicer 1st Floor LR		130 Spicer Boys BR 2d Fl		130 Spicer 2nd Floor LR	
Analyte		Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016		U	11	U	0.40	U	0.30	U	0.60	U	1.7
Aroclor 1221		U	23	U	0.80	U	0.50	U	1.2	U	3.4
Aroclor 1232		U	11	U	0.40	U	0.30	U	0.60	U	1.7
Aroclor 1242		U	11	U	0.40	U	0.30	U	0.60	U	1.7
Aroclor 1248		U	11	U	0.40	U	0.30	U	0.60	U	1.7
Aroclor 1254		U	11	0.27	J 0.40	0.18	J 0.30	0.13	J 0.60	1.1	J 1.7
Aroclor 1260		U	11	U	0.40	U	0.30	U	0.60	U	1.7

201984

Table 1.1(Cont.) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	A13271		A13272		A13273		A13274	
Location	507 Hamilton Play Room		507 Hamilton DR		507 Hamilton LR		346 Hamilton Blvd Comp	
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016	U	0.40	U	1.3	U	3.0	U	0.50
Aroclor 1221	U	0.80	U	2.6	U	6.1	U	1.00
Aroclor 1232	U	0.40	U	1.3	U	3.0	U	0.50
Aroclor 1242	U	0.40	U	1.3	U	3.0	U	0.50
Aroclor 1248	U	0.40	U	1.3	U	3.0	U	0.50
Aroclor 1254	0.92	0.40	9.8	1.3	27	3.0	0.88	0.50
Aroclor 1260	U	0.40	2.4	1.3	4.7 W	3.0	U	0.50

201985

Table 1.1(Cont.) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	SBLK042898		A13275		A13276		A13277		A13278	
Location	-		500 Garibaldi LR		500 Garibaldi DR/Kit		500 Garibaldi BR		131 Delmore Upstair Comp	
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016	U	0.30	U	0.30	U	0.30	U	10	U	0.20
Aroclor 1221	U	0.50	U	0.50	U	0.50	U	19	U	0.50
Aroclor 1232	U	0.30	U	0.30	U	0.30	U	10	U	0.20
Aroclor 1242	U	0.30	U	0.30	U	0.30	U	10	U	0.20
Aroclor 1248	U	0.30	U	0.30	U	0.30	U	10	U	0.20
Aroclor 1254	U	0.30	31	0.30	10	0.30	3.4 J	10	0.47	0.20
Aroclor 1260	U	0.30	9.1	0.30	5.4	0.30	U	10	U	0.20

201986

Table 1.1 (Cont.) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	A13279		A13280		A13281			A13282			A13283	
Location	*131 Delmore Nursery*		*131 Delmore LR/DEN Comp*		*123 Delmore 2nd Fl. Comp*			*123 Delmore 1st Fl. Apt.*			*501 Garibaldi Boys Room*	
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg		MDL mg/kg	Conc. mg/kg		MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016	U	42	U	6.0	U		0.50	U		0.30	U	2.6
Aroclor 1221	U	83	U	12	U		0.90	U		0.50	U	5.1
Aroclor 1232	U	42	U	6.0	U		0.50	U		0.30	U	2.6
Aroclor 1242	U	42	U	6.0	U		0.50	U		0.30	U	2.6
Aroclor 1248	U	42	U	6.0	U		0.50	U		0.30	U	2.6
Aroclor 1254	U	42	U	6.0	0.16	J	0.50	0.14	J	0.30	U	2.6
Aroclor 1260	U	42	U	6.0	U		0.50	U		0.30	U	2.6

201987

Table 1.1(Cont.) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	A13284		A13285		A13286		A13287		A13288	
Location	501 Garibaldi Work Room		501 Garibaldi LR		403 Hamilton Comp		207 Delmore BR Comp		207 Delmore	
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016	U	14	U	4.2	U	0.30	U	1.7	U	4.0
Aroclor 1221	U	28	U	8.3	U	0.60	U	3.3	U	8.1
Aroclor 1232	U	14	U	4.2	U	0.30	U	1.7	U	4.0
Aroclor 1242	U	14	U	4.2	U	0.30	U	1.7	U	4.0
Aroclor 1248	U	14	U	4.2	U	0.30	U	1.7	U	4.0
Aroclor 1254	U	14	0.66 J	4.2	1.0	0.30	U	1.7	U	4.0
Aroclor 1260	U	14	U	4.2	U	0.30	U	1.7	U	4.0

201988

Table 1.1(Cont.) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	A13289		A13290		A13291		A13292		A13293	
Location	115 Delmore 2nd Fl. Apt.		115 Delmore 1st Fl. Apt.		305 Spicer LR		215 Delmore BR1+2 Comp		215 Delmore LR	
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016	U	0.60	U	0.20	U	0.50	U	0.50	U	0.30
Aroclor 1221	U	1.3	U	0.50	U	1.0	U	1.0	U	0.50
Aroclor 1232	U	0.60	U	0.20	U	0.50	U	0.50	U	0.30
Aroclor 1242	U	0.60	U	0.20	U	0.50	U	0.50	U	0.30
Aroclor 1248	U	0.60	U	0.20	U	0.50	U	0.50	U	0.30
Aroclor 1254	0.41 J	0.60	2.4	0.20	0.75	0.50	0.11 J	0.50	0.18 J	0.30
Aroclor 1260	U	0.60	1.3	0.20	0.56 W	0.50	U	0.50	U	0.30

201989

Table 1.1(Cont.) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	A13294		A13295		A13296		A 13297		A13298	
Location	229 Delmore Ave LR/TVR		229 Delmore BR/Hall		305 Spicer Basement		221 Delmore 2d Fl LR/TVR		119 Delmore LR/BR Comp	
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016	U	1.0	U	0.90	U	0.30	U	0.30	U	0.30
Aroclor 1221	U	1.9	U	1.9	U	0.50	U	0.50	U	0.50
Aroclor 1232	U	1.0	U	0.90	U	0.30	U	0.30	U	0.30
Aroclor 1242	U	1.0	U	0.90	U	0.30	U	0.30	U	0.30
Aroclor 1248	U	1.0	U	0.90	U	0.30	U	0.30	U	0.30
Aroclor 1254	0.11 J	1.0	0.18 J	0.90	1.4 W	0.30	0.37 W	0.30	9.0	0.30
Aroclor 1260	U	1.0	U	0.90	0.33 W	0.30	U	0.30	3.4 W	0.30

201990

Table 1.1(Cont.) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	A13299		A13300		A13301		A13302	
Location	510A Hamilton LR/Nursery		221 Delmore 1stFL LR/TVR Comp		221 Delmore 1stFL BR		221 Delmore 2nd FL Rear BR	
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016	U	0.30	U	1.9	U	1.0	U	0.80
Aroclor 1221	U	0.50	U	3.7	U	2.1	U	1.5
Aroclor 1232	U	0.30	U	1.9	U	1.0	U	0.80
Aroclor 1242	U	0.30	U	1.9	U	1.0	U	0.80
Aroclor 1248	U	0.30	U	1.9	U	1.0	U	0.80
Aroclor 1254	0.39	0.30	U	1.9	U	1.0	0.35 J	0.80
Aroclor 1260	U	0.30	U	1.9	U	1.0	U	0.80

201991

Table 1.1(Cont.) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	SBLK050498		13303		13304		13305		13306	
Location			320 Spicer Den		214 Spicer BR		214 Spicer Hall		511 Hamilton LR	
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016	U	0.30	U	0.40	U	130	U	31	U	0.30
Aroclor 1221	U	0.50	U	0.80	U	250	U	63	U	0.50
Aroclor 1232	U	0.30	U	0.40	U	130	U	31	U	0.30
Aroclor 1242	U	0.30	U	0.40	U	130	U	31	U	0.30
Aroclor 1248	U	0.30	U	0.40	U	130	U	31	U	0.30
Aroclor 1254	U	0.30	0.15 J	0.40	U	130	U	31	0.25 W	0.30
Aroclor 1260	U	0.30	U	0.40	U	130	U	31	U	0.30

201992

Table 1.1(Cont.) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	13307		13308		13309		13310		13311	
Location	108 Spicer Stairs		408 Forest LR/BR		511 Hamilton BR		108 Spicer BR		108 Spicer FR	
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg
Aroclor 1016	U	2.7	U	1.0	U	13	U	63	U	4.2
Aroclor 1221	U	5.3	U	1.9	U	25	U	130	U	8.3
Aroclor 1232	U	2.7	U	1.0	U	13	U	63	U	4.2
Aroclor 1242	U	2.7	U	1.0	U	13	U	63	U	4.2
Aroclor 1248	U	2.7	U	1.0	U	13	U	63	U	4.2
Aroclor 1254	U	2.7	0.16 J	1.0	U	13	U	63	U	4.2
Aroclor 1260	U	2.7	U	1.0	U	13	U	63	U	4.2

201993

Table 1.1(Cont) Results of the Analysis for PCBs in Dust
WA# 3-262 Cornell Dubilier Site
As Received Basis

Client ID	13312		13313		13314		14253			14254		
Location	501 Hamilton LR		501 Hamilton BR		214 Spicer FR		320 Spicer Hall			320 Spicer LR		
Analyte	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg	MDL mg/kg	Conc. mg/kg		MDL mg/kg	Conc. mg/kg		MDL mg/kg
Aroclor 1016	U	1.7	U	1.1	U	63	U		0.40	U		0.90
Aroclor 1221	U	3.3	U	2.2	U	130	U		0.70	U		1.9
Aroclor 1232	U	1.7	U	1.1	U	63	U		0.40	U		0.90
Aroclor 1242	U	1.7	U	1.1	U	63	U		0.40	U		0.90
Aroclor 1248	U	1.7	U	1.1	U	63	U		0.40	U		0.90
Aroclor 1254	U	1.7	1.3	1.1	U	63	0.16	J	0.40	0.13	JW	0.90
Aroclor 1260	U	1.7	U	1.1	U	63	U		0.40	U		0.90

201994

QA/QC for PCBs in Dust

Results of Surrogate Recoveries for PCBs in Dust

All samples were spiked with a two compound surrogate mixture (TCMX and DCBP) prior to the sample extraction. The results of the surrogate percent recoveries are listed in Table 2.1. One hundred thirty eight out of one hundred fifty eight calculated recoveries are within advisory QC limits. Two recoveries were not calculated due to matrix interference. The surrogate percent recoveries ranged from 42 to 143%.

Results of the MS/MSD Analysis for PCBs in Dust

Samples A13252 , A13267, A13275, A13297, A13299, and 13303 were chosen for MS/MSD analysis for PCB in dust. The results of the MS/MSD are listed in Table 2.2. The reported percent recoveries ranged from 42 to 90. Two percent recoveries were not calculated due to the PCB concentration in the sample being greater than the spike concentration. No QC limits are available for this analysis.

The reported relative percent differences, also listed in Table 2.2, ranged from 0 (zero) to 54. One RPD was not calculated since the spike data was not calculated. No QC limits are available for this analysis.

Table 2.1 Results of the Surrogate Recoveries
for PCBs in Dust
WA#3-262 Cornell Dubilier Site

Sample ID	Percent Recovery TCMX	DCBP
SBLK042498	75	90
A13252	68	76
A13252MS	61	71
A13252MSD	67	78
A13253	65	76
A13254	57 *	59 *
A13255	66	85
A13256	71	86
A13257	75	95
A13258	73	87
A13259	64	78
A13260	87	116
A13261	93	118
A13262	74	80
A13263	76	94
A13264	83	100
A13265	77	118
A13266	70	87
A13267	74	96
A13267MS	75	91
A13267MSD	80	94
A13268	72	93
A13269	72	80
A13270	94	108
A13271	66	83
A13272	77	88
A13273	84	118
A13274	70	72

	ADVISORY QC Limits
Tetrachloro-m-xylene (TCMX)	60-150
Decachlorobiphenyl (DCBP)	60-150

201996

Table 2.1(Cont.) Results of the Surrogate Recoveries
for PCBs in Dust
WA#3-262 Cornell Dubilier Site

Sample ID	Percent Recovery TCMX	DCBP
SBLK042898	75	116
A13275	55 *	79
A13275MS	63	83
A13275MSD	57 *	85
A13276	62	74
A13277	71	91
A13278	67	MI
A13279	50 *	68
A13280	80	116
A13281	76	105
A13282	64	73
A13283	82	120
A13284	75	111
A13285	70	111
A13286	56 *	82
A13287	73	93
A13288	64	82
A13289	71	94
A13290	60	57 *
A13291	65	98
A13292	75	104
A13293	62	74
A13294	71	112
A13295	64	88
A13296	48 *	55 *
A 13297	60	54 *
A 13297MS	63	50 *
A 13297MSD	49 *	42 *
A13298	51 *	57 *
A13299	64	100
A13299MS	63	92
A13299MSD	65	96
A13300	59 *	94
A13301	63	83
A13302	58 *	55 *

	ADVISORY QC Limits
Tetrachloro-m-xylene (TCMX)	60-150
Decachlorobiphenyl (DCBP)	60-150

201997

Table 2.1(Cont.) Results of the Surrogate Recoveries
for PCBs in Dust
WA#3-262 Cornell Dubilier Site

Sample ID	Percent Recovery TCMX	DCBP
SBLK050498	78	110
13303	65	88
13303MS	57 *	97
13303MSD	58 *	96
13304	71	104
13305	76	115
13306	61	79
13307	76	112
13308	78	74
13309	88	143
13310	79	109
13311	72	101
13312	79	108
13313	74	MI
13314	75	115
14253	71	105
14254	73	97

	ADVISORY QC Limits
Tetrachloro-m-xylene (TCMX)	60-150
Decachlorobiphenyl (DCBP)	60-150

201998

Table 2.2 Results of the MS/MSD Analysis for PCBs in Dust
WA#3-262 Cornell Dubilier Site
As Received Basis

Sample ID: A13252

Compound	Sample Conc (mg/kg)	MS Spike Added (mg/kg)	M S Conc (mg/kg)	MS % Rec	MSD Spike Added (mg/kg)	MSD Conc (mg/kg)	MSD % Rec	RPD
AR 1254	0.45	1.700	1.3	50	1.700	1.5	62	21

Sample ID: A 13267

Compound	Sample Conc (mg/kg)	MS Spike Added (mg/kg)	M S Conc (mg/kg)	MS % Rec	MSD Spike Added (mg/kg)	MSD Conc (mg/kg)	MSD % Rec	RPD
AR 1254	0.27	1.700	1.7	84	1.700	1.8	90	7

Sample ID: A 13275

Compound	Sample Conc (mg/kg)	MS Spike Added (mg/kg)	M S Conc (mg/kg)	MS % Rec	MSD Spike Added (mg/kg)	MSD Conc (mg/kg)	MSD % Rec	RPD
AR 1254	31.00	1.000	40	NC	1.000	37	NC	NC

201999

Table 2.2(Cont.) Results of the MS/MSD Analysis for PCBs in Dust
WA#3-262 Cornell Dubilier Site
As Received Basis

Sample ID: A13297

Compound	Sample Conc (mg/kg)	MS Spike Added (mg/kg)	M S Conc (mg/kg)	MS % Rec	MSD Spike Added (mg/kg)	MSD Conc (mg/kg)	MSD % Rec	RPD
AR 1254	0.37	1.000	1.1	73	1.000	0.79	42	54

Sample ID: A 13299

Compound	Sample Conc (mg/kg)	MS Spike Added (mg/kg)	M S Conc (mg/kg)	MS % Rec	MSD Spike Added (mg/kg)	MSD Conc (mg/kg)	MSD % Rec	RPD
AR 1254	0.39	1.000	1.0	61	1.000	1.1	71	15

Sample ID: 13303

Compound	Sample Conc (mg/kg)	MS Spike Added (mg/kg)	M S Conc (mg/kg)	MS % Rec	MSD Spike Added (mg/kg)	MSD Conc (mg/kg)	MSD % Rec	RPD
AR 1254	0.15	1.700	1.0	50	1.700	1.0	50	0

202000

REAC, Edison, NJ
(908) 321-4200
EPA Contract 68-C4-0022

CHAIN OF CUSTODY RECORD

Project Name: Connell Dubilier
Project Number: 03347-142-001-2262-01
RFW Contact: Ken Robbins Phone: 732-321-4200

No: 05549

SHEET NO. 1 OF 1

042298 -

Sample Identification

Analyses Requested

REAC #	Sample No.	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	PCB	Mass (g)
477	A13252	409 Hamilton Apt 1A	X	4/22/98	1	4oz. Amber/None	✓	15.05
478	A13253	409 Hamilton Apt 1B						1.38
479	A13254	405 Hamilton 1st Flr						43.63
480	A13255	409 Hamilton Apt 2A						1.20
481	A13256	127 Delmore LR/kit						0.96
482	A13257	127 Delmore Bdrm						6.74
483	A13258	401 Hamilton 2nd Apt. Right						4.34
484	A13259	405 Hamilton 2nd Flr						1.98
485	A13260	237 Delmore Blvd.	↓	↓	↓	↓	↓	0.98

Matrix:

SD -	Sediment	PW -	Potable Water	S -	Soil
DS -	Drum Solids	GW -	Groundwater	W -	Water
DL -	Drum Liquids	SW -	Surface Water	O -	Oil
X -	Other-Dust	SL -	Sludge	A -	Air

Special Instructions:
QA/QC

kit - kitchen
Blvd. - Boulevard
g - grams
Apt. - Apartment
PCB - polychlorinated Biphenyl
LR - Living Room

FOR SUBCONTRACTING USE ONLY

FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished By	Date	Received By	Date	Time	Items/Reason	Relinquished By	Date	Received By	Date	Time
All/Analysis	[signature]	4/22/98	[signature]	4/23/98	15:45	All/Analysis	[signature]	4/23/98	M. Yowin	4/24/98	4pm

FORM #4 8/94

202001

REAC, [redacted]on, NJ
(908) 321-4200
EPA Contract 68-C4-0022

CHA[redacted]F CUSTODY RECORD

Project Name: Cornell Dubilier
Project Number: 03347-142-001-2262-01
RFW Contact: Ken Robbins Phone: 732-321-4200

[redacted]
No: 05582
SHEET NO. 1 OF 1

202002

042498-

Sample Identification

Analyses Requested

REAC #	Sample No.	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	PCB	Mass(g)
491	A13261	201 Delmore	X	4/23/98	1	4oz Amber/None	V	0.72
492	A13262	135 Delmore 1st Floor	↓	↓	↓	↓	↓	1.45
493	A13263	135 Delmore 2nd Floor	↓	↓	↓	↓	↓	0.66
494	A13264	204 Spicer FR	↓	↓	↓	↓	↓	0.27
495	A13265	204 Spicer BR Comp	↓	↓	↓	↓	↓	0.14
496	A13266	204 Spicer Kitchen	↓	↓	↓	↓	↓	0.11
497	A13267	180 Spicer BR 1st Flr	↓	↓	↓	↓	↓	26.93
498	A13268	180 Spicer 1st Flr LR	↓	↓	↓	↓	↓	8.62
499	A13269	180 Spicer Boys BR 2nd Floor	↓	↓	↓	↓	↓	2.08
500	A13270	180 Spicer 2nd Floor LR	↓	↓	↓	↓	↓	0.74
501	A13271	507 Hamilton Playroom	↓	↓	↓	↓	↓	3.21
502	A13272	507 Hamilton DR	↓	↓	↓	↓	↓	0.46
503	A13273	507 Hamilton LR	↓	↓	↓	↓	↓	0.41
504	A13274	346 Hamilton Blvd. Comp	↓	↓	↓	↓	↓	2.52

Matrix:

SD -	Sediment	PW -	Potable Water	S -	Soil
DS -	Drum Solids	GW -	Groundwater	W -	Water
DL -	Drum Liquids	SW -	Surface Water	O -	Oil
X -	Other-DUST	SL -	Sludge	A -	Air

g - grams
FR - Family Room
BR - Bedroom
Comp - composite
LR - Living Room
DR - Dining Room
PCB - Polychlorinated Biphenyl
Blvd - Boulevard

Special Instructions:
QA/QC

FOR SUBCONTRACTING USE ONLY

FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished By	Date	Received By	Date	Time	Items/Reason	Relinquished By	Date	Received By	Date	Time
Analysis/all	[signature]	4/23/98	C. Dasser	4/24/98	8:45	All Analysis	C. Dasser	4/24/98	M. Young	4/24/98	9:10 AM

FORM #4 8/94

* U.S. GPO 1994-383-015

REAC, Edison, NJ
(908) 321-4200
EPA Contract 68-C4-0022

CHAIN OF CUSTODY RECORD

Project Name: Cornell Dublon
Project Number: 03347-142-001-262-01
RFW Contact: Ken Robbins Phone: 732-321-4200

No: 05585
SHEET NO. 1 OF 1

042798-

202003

00028

Sample Identification / Analyses Requested

REAC #	Sample No.	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	PCB	Mass(g)
507	A13275	500 Garibaldi LR	X	4/24/98	1	4oz Amber/Foil	✓	20.03
508	A13276	500 Garibaldi DR/Kit						8.50
509	A13277	500 Garibaldi BR						0.13
510	A13278	131 Delmore Upstairs Comp.						5.06
511	A13279	131 Delmore Nursery						0.03
512	A13280	131 Delmore LR/DR Comp.						0.21
513	A13281	123 Delmore 2nd Floor Comp.						2.70
514	A13282	123 Delmore 1st Floor Apt.						9.64
515	A13283	501 Garibaldi Bsmt Rm.						0.49
516	A13284	501 Garibaldi Work Rm.						0.09
517	A13285	501 Garibaldi LR						0.30
518	A13286	403 Hamilton Comp.						4.11
519	A13287	307 Delmore BR Comp.						0.75
520	A13288	307 Delmore						0.31
521	A13289	115 Delmore 2nd Floor Apt.						1.96
522	A13290	115 Delmore 1st Floor Apt.						5.31

Matrix:

SD -	Sediment	PW -	Potable Water	S -	Soil
DS -	Drum Solids	GW -	Groundwater	W -	Water
DL -	Drum Liquids	SW -	Surface Water	O -	Oil
X -	Other-DUST	SL -	Sludge	A -	Air

Special Instructions:

LR - Living Room
g - grams
DR - Dining Room
Kit - Kitchen
BR - Bedroom
comp. - composite
Apt - apartment

FOR SUBCONTRACTING USE ONLY

FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished By	Date	Received By	Date	Time	Items/Reason	Relinquished By	Date	Received By	Date	Time
all/analysis	[illegible] Tims	4/27/98	C Gasser	4/27/98	1125	All/Analysis	C Gasser	4/27/98	M. Younis	4/27/98	1140

FORM #4 8/94

REAC, [redacted]son, NJ
(908) 321-4200
EPA Contract 68-C4-0022

CHA[redacted]OF CUSTODY RECORD

Project Name: Cornell Dubilier
Project Number: 03347-142-001-2262-01
RFW Contact: Ken Robbins Phone: 732-321-4200

No: 05586
SHEET NO. 1 OF 1

202004

042898-

Sample Identification

Analyses Requested

REAC #	Sample No.	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	PCB	Mass (g)
546	A13291	305 Spicer LR	X	4/27/98	1	40zA/NONE	✓	2.60
547	A13292	215 Delmore BR+2 cmp.						2.61
548	A13293	215 Delmore LR						11.66
549	A13294	229 Delmore Ave, LR/TVR						1.30
550	A13295	229 Delmore BR/Hall						1.33
551	A13296	305 Spice Basement						9.00
552	A13297	221 Delmore 2nd FL LR/TVR						35.39 g
553	A13298	119 Delmore LR/BR cmp.						9.52 g
554	A13299	510A Hamilton LR/nursery						25.51
555	A13300	221 Delmore 1st FL LR/KT cmp.						0.617
556	A13301	221 Delmore 1st FL BR						1.21
557	A13302	221 Delmore 2nd FL Rear BR	↓	↓	↓	↓	↓	1.62

00029

Matrix:

SD -	Sediment	PW -	Potable Water	S -	Soil
DS -	Drum Solids	GW -	Groundwater	W -	Water
DL -	Drum Liquids	SW -	Surface Water	O -	Oil
X -	Other- DUST	SL -	Sludge	A -	Air

LR-Living Room
A'-Amber
PCB-Polychlorinated Biphenyl
g-grams
BR-Bed Room
comp-composite
TVR-TV Room
FL-Floor

Special Instructions:

FOR SUBCONTRACTING USE ONLY

FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished By	Date	Received By	Date	Time	Items/Reason	Relinquished By	Date	Received By	Date	Time
All/Analysis	[redacted]	4/28/98	C Grasser	4/29/98	10:30	All/Analysis	C Grasser	4/29/98	[redacted]	4/30/98	10:50 Am

FORM #4 8/94

* U.S. GPO: 1994-383-015

REAC, Edison, NJ
(908) 321-4200
EPA Contract 68-C4-0022

CHAIN OF CUSTODY RECORD

Project Name: Cornell Dubilier
Project Number: 03347-142-001-2262-01
RFW Contact: K. Robbins Phone: x4298

No: 05584

SHEET NO. 1 OF 1

050198-

2020056

Sample Identification / Analyses Requested

REAC #	Sample No.	(1) Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	PCB's	(2) Mass (g)		
723	13303	320 Spicer Din	X	4/30/98	1	4 oz glass/None	✓	13.15 g		
724	13304	214 Spicer BR	↓	↓	↓	↓	↓	0.01		
725	13305	214 Spicer Hall						0.04		
726	13306	511 Hamilton LR						4.93		
727	13307	108 Spicer Stairs						0.47		
728	13308	408 Forest LR/BR						1.29 g		
729	13309	511 Hamilton BR						0.10		
730	13310	108 Spicer BR						0.06		
731	13311	108 Spicer FR						0.30		
732	13312	501 Hamilton LR		↓				0.75		
733	13313	501 Hamilton BR		5/1/98				1.13		
734	13314	214 Spicer FR						0.02		
735	14253	320 Spicer Hall	↓	↓	↓	↓	↓	3.48		
736	14254	320 Spicer LR	X	5/1/98	1	4 oz glass/None	✓	1.35		

Matrix:

SD -	Sediment	PW -	Potable Water	S -	Soil
DS -	Drum Solids	GW -	Groundwater	W -	Water
~~DL - Drum Liquids~~		SW -	Surface Water	O -	Oil
X -	Other - Vacuum Dust	SL -	Sludge	A -	Air

Special Instructions:

(1) BR - Bedroom
LR - Livingroom
FR - Family Room

(2) g - grams

FOR SUBCONTRACTING USE ONLY

FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished By	Date	Received By	Date	Time	Items/Reason	Relinquished By	Date	Received By	Date	Time
All/Analysis	Ken Robbins	5/1/98	C Gasser	5/1/98	10:40	All/Analysis	C Gasser	5/1/98	H. [illegible]	5/1/98	11:20 Am

FORM #4 8/94

4-383