

METALS DATA



RECRA
ENVIRONMENTAL
INC.

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

SP1B

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: RA093 SAS No.: SDG No.: 81393

Matrix (soil/water): SOIL Lab Sample ID: 9942

Level (low/med): LOW Date Received: 08/17/93

% Solids: 93.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1220	-	E	P
7440-36-0	Antimony	1.0	U	W	F
7440-38-2	Arsenic	0.83	B		F
7440-39-3	Barium	5.0	B		P
7440-41-7	Beryllium	0.63	U		P
7440-43-9	Cadmium	8.3	B		F
7440-70-2	Calcium	617	B		A
7440-47-3	Chromium	80.8			P
7440-48-4	Cobalt	4.2	U		P
7440-50-8	Copper	6.0			P
7439-89-6	Iron	3210			P
7439-92-1	Lead	26.1		+	F
7439-95-4	Magnesium	413	B		P
7439-96-5	Manganese	36.7			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	6.3	U		P
7440-09-7	Potassium	112	B		P
7782-49-2	Selenium	0.62	B	W	F
7440-22-4	Silver	4.5			P
7440-23-5	Sodium	170	U		P
7440-28-0	Thallium	0.62	U		F
7440-62-2	Vanadium	4.2	U		P
7440-66-6	Zinc	4.7			P
	Cyanide	20.7			C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

LAB SAMPLE ID: AS042456
RE-DIGESTION ID: 0264

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

SP1SSW

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: RA093 SAS No.: SDG No.: 81393

Matrix (soil/water): SOIL Lab Sample ID: 9941

Level (low/med): LOW Date Received: 08/17/93

% Solids: 96.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	732	-	E	P
7440-36-0	Antimony	1.0	U	W	F
7440-38-2	Arsenic	0.61	U		F
7440-39-3	Barium	4.0	U		P
7440-41-7	Beryllium	0.61	U		P
7440-43-9	Cadmium	0.82	B		F
7440-70-2	Calcium	662	B		A
7440-47-3	Chromium	10	-		P
7440-48-4	Cobalt	4.0	U		P
7440-50-8	Copper	1.0	U		P
7439-89-6	Iron	2760	-		P
7439-92-1	Lead	1.0	-	W	F
7439-95-4	Magnesium	152	B		P
7439-96-5	Manganese	20.0	-		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	6.1	U		P
7440-09-7	Potassium	108	B		P
7782-49-2	Selenium	0.61	U		F
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	170	U		P
7440-28-0	Thallium	0.61	U		F
7440-62-2	Vanadium	4.0	U		P
7440-66-6	Zinc	3.2	B		P
	Cyanide	1.0	U		C

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

LAB SAMPLE ID: AS042455
RE-DIGESTION ID: 0263

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: RA093 SAS No.: SDG No.: 81393

Initial Calibration Source: VHG/INOR.VEN

Continuing Calibration Source: VHG/INOR.VEN

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	1000.0	1043.10	104.3	5000.0	5392.57	107.9	5070.77	101.4	P
Antimony	600.0	580.00	96.7	600.0	570.00	95.0	610.00	101.7	F
Arsenic	600.0	610.00	101.7	600.0	600.00	100.0	610.00	101.7	F
Barium	1000.0	1016.03	101.6	5000.0	5037.43	100.7	4994.47	99.9	P
Beryllium	400.0	400.97	100.2	2000.0	1998.73	99.9	1961.27	98.1	P
Cadmium	300.0	320.00	106.7	300.0	320.00	106.7	300.00	100.0	F
Calcium	5000.0	5455.00	109.1	5000.0	5280.00	105.6	5120.00	102.4	A
Chromium	1000.0	1019.70	102.0	5000.0	4995.37	99.9	4918.73	98.4	P
Cobalt	1000.0	1017.20	101.7	5000.0	5001.77	100.0	4912.37	98.2	P
Copper	1000.0	1024.27	102.4	5000.0	5028.17	100.6	4996.67	99.9	P
Iron	1000.0	1037.20	103.7	5000.0	5162.87	103.3	5034.23	100.7	P
Lead	700.0	690.00	98.6	700.0	700.00	100.0	740.00	105.7	F
Magnesium	10000.0	10331.07	103.3	50000.0	50518.53	101.0	49881.37	99.8	P
Manganese	1000.0	1029.83	103.0	5000.0	5001.30	100.0	4948.77	99.0	P
Mercury	8.0	7.80	97.5	8.0	8.10	101.2	8.00	100.0	CV
Nickel	1000.0	1037.93	103.8	5000.0	4987.70	99.8	4926.17	98.5	P
Potassium	10000.0	10139.80	101.4	50000.0	50399.50	100.8	50230.67	100.5	P
Selenium	700.0	690.00	98.6	700.0	690.00	98.6	720.00	102.9	F
Silver	200.0	201.70	100.8	1000.0	999.07	99.9	1018.73	101.9	P
Sodium	10000.0	10004.53	100.0	50000.0	49599.13	99.2	49154.77	98.3	P
Thallium	600.0	610.00	101.7	600.0	620.00	103.3	610.00	101.7	F
Vanadium	1000.0	1007.33	100.7	5000.0	5004.87	100.1	4946.80	98.9	P
Zinc	1000.0	1030.50	103.0	5000.0	5005.43	100.1	4950.67	99.0	P
Cyanide	250.0	284.80	113.9	250.0	284.80	113.9	284.80	113.9	C

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

NYSDEC ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: RA093 SAS No.: SDG No.: 81393

Initial Calibration Source: VHG/INOR.VEN

Continuing Calibration Source: VHG/INOR.VEN

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				5000.0	5082.67	101.7	5209.67	104.2	P
Antimony				600.0	610.00	101.7	600.00	100.0	F
Arsenic				600.0	610.00	101.7	610.00	101.7	F
Barium				5000.0	5022.07	100.4	5117.87	102.4	P
Beryllium				2000.0	1973.63	98.7	2038.07	101.9	P
Cadmium				300.0	300.00	100.0	280.00	93.3	F
Calcium				5000.0	5380.00	107.6	5210.00	104.2	A
Chromium				5000.0	4974.10	99.5	5079.17	101.6	P
Cobalt				5000.0	4977.93	99.6	5073.97	101.5	P
Copper				5000.0	4999.73	100.0	5105.93	102.1	P
Iron				5000.0	5157.07	103.1	5239.60	104.8	P
Lead				700.0	730.00	104.3			F
Magnesium				50000.0	49955.33	99.9	51070.20	102.1	P
Manganese				5000.0	4990.13	99.8	5101.43	102.0	P
Mercury				8.0	7.60	95.0	7.80	97.5	CV
Nickel				5000.0	4976.30	99.5	5092.57	101.9	P
Potassium				50000.0	49947.83	99.9	51172.07	102.3	P
Selenium				700.0	730.00	104.3	740.00	105.7	F
Silver				1000.0	1017.43	101.7	1029.80	103.0	P
Sodium				50000.0	48996.97	98.0			P
Thallium				600.0	600.00	100.0	610.00	101.7	F
Vanadium				5000.0	4958.30	99.2	5100.77	102.0	P
Zinc				5000.0	4972.63	99.5	5128.70	102.6	P
Cyanide				250.0	284.80	113.9	284.80	113.9	C

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

NYSDEC ASP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: RA093 SAS No.: SDG No.: 81393

Initial Calibration Source: VHG/INOR.VEN

Continuing Calibration Source: VHG/INOR.VEN

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				5000.0	5363.27	107.3			P
Antimony									NR
Arsenic				600.0	600.00	100.0			F
Barium				5000.0	5035.07	100.7			P
Beryllium				2000.0	1997.33	99.9			P
Cadmium				300.0	280.00	93.3	320.00	106.7	F
Calcium				5000.0	5155.00	103.1	5195.00	103.9	A
Chromium				5000.0	5001.67	100.0			P
Cobalt				5000.0	5005.60	100.1			P
Copper				5000.0	5015.20	100.3			P
Iron				5000.0	5242.47	104.8			P
Lead									NR
Magnesium				50000.0	50473.30	100.9			P
Manganese				5000.0	5015.77	100.3			P
Mercury									NR
Nickel				5000.0	5006.20	100.1			P
Potassium				50000.0	50266.53	100.5			P
Selenium				700.0	750.00	107.1			F
Silver				1000.0	1016.20	101.6	1019.30	101.9	P
Sodium									NR
Thallium									NR
Vanadium				5000.0	5006.93	100.1			P
Zinc				5000.0	5058.27	101.2			P
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

NYSDEC ASP

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: RA093 SAS No.: SDG No.: 81393

Initial Calibration Source: VHG/INOR.VEN

Continuing Calibration Source: VHG/INOR.VEN

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium				5000.0	5135.00	102.7	4815.00	96.3	A
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver				1000.0	1018.37	101.8	1009.53	101.0	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

NYSDEC ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: RA093 SAS No.: SDG No.: 81393

Initial Calibration Source: VHG/INOR.VEN

Continuing Calibration Source: VHG/INOR.VEN

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium				5000.0	5100.00	102.0			A
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver				1000.0	1020.03	102.0	1022.93	102.3	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

NYSDEC ASP

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_

Case No.: RA093

SAS No.: _____

SDG No.: 81393_

AA CRDL Standard Source: INORG.VENT._

ICP CRDL Standard Source: VHG_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony	60.0	56.00	93.3					
Arsenic	10.0	11.00	110.0					
Barium								
Beryllium				10.0	10.73	107.3	10.43	104.3
Cadmium	0.2	0.40	200.0					
Calcium	5000.0	5240.00	104.8					
Chromium				20.0	22.33	111.6	25.00	125.0
Cobalt				100.0	100.83	100.8	99.27	99.3
Copper				50.0	53.70	107.4	52.20	104.4
Iron								
Lead	3.0	2.00	66.7					
Magnesium								
Manganese				30.0	35.50	118.3	33.87	112.9
Mercury								
Nickel				80.0	91.20	114.0	78.10	97.6
Potassium								
Selenium	5.0	5.00	100.0					
Silver								
Sodium								
Thallium	10.0	11.00	110.0					
Vanadium				100.0	102.43	102.4	105.70	105.7
Zinc				40.0	60.27	150.7	60.87	152.2

NYSDEC ASP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: RECRA_ENVIRONMENTAL_INC._____ Contract: C002412_____
 Lab Code: RECNY_ Case No.: RA093 SAS No.: _____ SDG No.: 81393_
 AA CRDL Standard Source: _____
 ICP CRDL Standard Source: VHG_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver				20.0	17.13	85.6	14.90	74.5
Sodium								
Thallium								
Vanadium								
Zinc								

NYSDEC ASP

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC._____ Contract: C002412_____

Lab Code: RECNY_____ Case No.: RA093 SAS No.: _____ SDG No.: 81393_____

Preparation Blank Matrix (soil/water): SOIL_____

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	70.0	U	73.6	B	70.0	U	70.0	U	14.000	U	P
Antimony	5.0	U	5.0	U	5.0	U	5.0	U	1.000	U	F
Arsenic	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	F
Barium	20.0	U	20.0	U	20.0	U	20.0	U	4.000	U	P
Beryllium	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	P
Cadmium	0.2	U	0.2	U	0.2	U	0.2	U	0.040	U	F
Calcium	100.0	U	100.0	U	100.0	U	100.0	U	87.000	B	A
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	2.000	U	P
Cobalt	20.0	U	20.0	U	20.0	U	20.0	U	4.000	U	P
Copper	5.0	U	5.0	U	5.0	U	5.0	U	1.000	U	P
Iron	40.0	U	40.0	U	40.0	U	40.0	U	8.000	U	P
Lead	-2.0	B	-2.0	B	-2.0	B	-2.0	B	-0.400	B	F
Magnesium	300.0	U	300.0	U	300.0	U	300.0	U	60.000	U	P
Manganese	5.0	U	5.0	U	5.0	U	5.0	U	1.000	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.020	U	CV
Nickel	30.0	U	30.0	U	30.0	U	30.0	U	6.000	U	P
Potassium	200.0	U	200.0	U	200.0	U	200.0	U	40.000	U	P
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	F
Silver	10.0	U	10.0	U	10.0	U	10.0	U	2.000	U	P
Sodium	800.0	U	800.0	U	800.0	U	800.0	U	160.000	U	P
Thallium	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	F
Vanadium	20.0	U	20.0	U	20.0	U	20.0	U	4.000	U	P
Zinc	10.0	U	10.0	U	10.0	U	10.0	U	2.000	U	P
Cyanide	10.0	U	10.0	U	10.0	U	10.0	U	1.000	U	C

NYSDEC ASP

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC._____ Contract: C002412_____

Lab Code: RECNY_____ Case No.: RA093 SAS No.: _____ SDG No.: 81393_____

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
			1	C	2	C	3	C			
Aluminum			70.0	U	90.3	B				P	
Antimony			5.0	U						F	
Arsenic			3.0	U	3.0	U				F	
Barium			20.0	U	20.0	U				P	
Beryllium			3.0	U	3.0	U				P	
Cadmium			0.2	U	0.2	U	0.2	U		F	
Calcium			100.0	U	100.0	U	100.0	U		A	
Chromium			10.0	U	10.0	U				P	
Cobalt			20.0	U	20.0	U				P	
Copper			5.0	U	5.0	U				P	
Iron			40.0	U	40.9	B				P	
Lead										NR	
Magnesium			300.0	U	300.0	U				P	
Manganese			5.0	U	5.0	U				P	
Mercury			0.2	U						CV	
Nickel			30.0	U	30.0	U				P	
Potassium			200.0	U	200.0	U				P	
Selenium			3.0	U	3.0	U				F	
Silver			10.0	U	10.0	U	10.0	U		P	
Sodium										NR	
Thallium			3.0	U						F	
Vanadium			20.0	U	20.0	U				P	
Zinc			10.0	U	10.0	U				P	
Cyanide			10.0	U						C	

NYSDEC ASP

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412__

Lab Code: RECNY_ Case No.: RA093 SAS No.: _____ SDG No.: 81393_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum										NR	
Antimony										NR	
Arsenic										NR	
Barium										NR	
Beryllium										NR	
Cadmium										NR	
Calcium			100.0	U	100.0	U	100.0	U		A	
Chromium										NR	
Cobalt										NR	
Copper										NR	
Iron										NR	
Lead										NR	
Magnesium										NR	
Manganese										NR	
Mercury										NR	
Nickel										NR	
Potassium										NR	
Selenium										NR	
Silver			10.0	U	10.0	U	10.0	U		P	
Sodium										NR	
Thallium										NR	
Vanadium										NR	
Zinc										NR	
Cyanide										NR	

NYSDEC ASP

3
BLANKS

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412__

Lab Code: RECNY_ Case No.: RA093 SAS No.: _____ SDG No.: 81393_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
	C		1	C	2	C	3	C			
Aluminum										NR	
Antimony										NR	
Arsenic										NR	
Barium										NR	
Beryllium										NR	
Cadmium										NR	
Calcium										NR	
Chromium										NR	
Cobalt										NR	
Copper										NR	
Iron										NR	
Lead										NR	
Magnesium										NR	
Manganese										NR	
Mercury										NR	
Nickel										NR	
Potassium										NR	
Selenium										NR	
Silver			10.0	U						P	
Sodium										NR	
Thallium										NR	
Vanadium										NR	
Zinc										NR	
Cyanide										NR	

ICP INTERFERENCE CHECK SAMPLE

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412
 Lab Code: RECNY Case No.: RA093 SAS No: SDG No.: 81393
 ICP ID Number: ARL3560 ICS Source: VHG

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	500000	500000	486168	485421.4	97.1	487369	485265.0	97.1
Antimony								
Arsenic								
Barium	0	500	56	558.1	111.6	51	556.1	111.2
Beryllium	0	500	3	503.9	100.8	1	503.2	100.6
Cadmium								
Calcium								
Chromium	0	500	-1	488.4	97.7	-6	484.8	97.0
Cobalt	0	500	-3	492.7	98.5	-5	492.8	98.6
Copper	0	500	22	518.6	103.7	16	516.4	103.3
Iron	200000	200000	188721	187837.6	93.9	189668	188788.1	94.4
Lead								
Magnesium	500000	500000	484671	483570.4	96.7	485301	483213.7	96.6
Manganese	0	500	11	499.8	100.0	7	498.5	99.7
Mercury								
Nickel	0	1000	-40	922.0	92.2	-25	922.7	92.3
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium	0	500	5	481.9	96.4	-4	480.4	96.1
Zinc	0	1000	15	962.9	96.3	9	964.5	96.4

NYSDEC ASP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412____
 Lab Code: RECNY_ Case No.: RA093 SAS No: _____ SDG No.: 81393_
 ICP ID Number: ARL3560_____ ICS Source: VHG_____

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver	0	1000	-1	1007.4	100.7	3	1019.6	102.0
Sodium								
Thallium								
Vanadium								
Zinc								

NYSDEC ASP

7

LABORATORY CONTROL SAMPLE

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_

Case No.: RA093

SAS No.: _____

SDG No.: 81393_

Solid LCS Source: ERA 217_____

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L)			Solid (mg/kg)				%R	
	True	Found	%R	True	Found	C	Limits		
Aluminum				4780.0	5592.2		2150.0	6690.0	117.0
Antimony				29.8	30.0	B	13.0	130.0	100.7
Arsenic				150.0	120.0		75.0	224.0	80.0
Barium				247.0	261.0		173.0	321.0	105.7
Beryllium				87.7	93.2		53.0	132.0	106.3
Cadmium				79.1	80.0	B	40.0	126.0	101.1
Calcium				2370.0	3048.5	B	1660.0	3320.0	128.6
Chromium				66.2	63.5		30.0	93.0	95.9
Cobalt				23.5	25.8		13.0	35.0	109.8
Copper				15.8	18.5		7.5	24.0	117.1
Iron				9030.0	7643.2		5420.0	12640.0	84.6
Lead				101.0	114.0		45.0	146.0	112.9
Magnesium				2090.0	2484.1		1150.0	3140.0	118.9
Manganese				157.0	168.9		110.0	220.0	107.6
Mercury				4.9	3.7		2.9	9.2	75.5
Nickel				168.0	180.7		84.0	261.0	107.6
Potassium				2740.0	2786.9		1640.0	3560.0	101.7
Selenium				73.5	62.0		37.0	118.0	84.4
Silver				88.1	46.2		44.0	123.0	52.4
Sodium									
Thallium				77.1	84.0		39.0	116.0	108.9
Vanadium				119.0	125.5		83.0	160.0	105.5
Zinc				246.0	266.7		135.0	369.0	108.4
Cyanide				117.0	87.2		36.0	198.0	74.5

NYSDEC ASP

7

LABORATORY CONTROL SAMPLE

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412____
 Lab Code: RECNY_ Case No.: RA093 SAS No.: _____ SDG No.: 81393_
 Solid LCS Source: ERA 217_____
 Aqueous LCS Source: _____

Analyte	Aqueous (ug/L)			Solid (mg/kg)				%R	
	True	Found	%R	True	Found	C	Limits		
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium				484.4	489.4	B	387.5	581.2	101.0
Thallium									
Vanadium									
Zinc									
Cyanide									

SP1BL

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: RA093 SAS No.: SDG No.: 81393

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead							NR
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium	800.00	U	4000.00	U			P
Thallium							NR
Vanadium							NR
Zinc							NR

NYSDEC ASP

NYSDEC SAMPLE NO.

9
ICP SERIAL DILUTION

SP1SSWL

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: RA093 SAS No.: SDG No.: 81393

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	3617.47	-	4102.34	-	13.4	E	P
Antimony		-		-		-	NR
Arsenic		-		-		-	NR
Barium	20.00	U	100.00	U		-	P
Beryllium	3.00	U	15.00	U		-	P
Cadmium		-		-		-	NR
Calcium		-		-		-	NR
Chromium	49.27	-	66.66	-	35.3	-	P
Cobalt	20.00	U	100.00	U		-	P
Copper	5.00	U	25.00	U		-	P
Iron	13658.33	-	14147.50	-	3.6	-	P
Lead		-		-		-	NR
Magnesium	750.60	B	1500.00	U	100.0	-	P
Manganese	98.83	-	100.16	-	1.3	-	P
Mercury		-		-		-	NR
Nickel	30.00	U	150.00	U		-	P
Potassium	536.07	B	1000.00	U	100.0	-	P
Selenium		-		-		-	NR
Silver	10.00	U	50.00	U		-	P
Sodium		-		-		-	NR
Thallium		-		-		-	NR
Vanadium	20.00	U	100.00	U		-	P
Zinc	15.87	B	50.00	U	100.0	-	P

NYSDEC ASP

10

INSTRUMENT DETECTION LIMITS (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_

Case No.: RA093

SAS No.: _____

SDG No.: 81393_

ICP ID Number:

ARL3560_____

Date:

06/29/93

Flame AA ID Number :

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Aluminum	308.22		200	70.0	P
Antimony			60		NR
Arsenic			10		NR
Barium	455.40		200	20.0	P
Beryllium	313.04		5	3.0	P
Cadmium			5		NR
Calcium			5000		NR
Chromium	357.90		10	10.0	P
Cobalt	228.62		50	20.0	P
Copper	325.75		25	5.0	P
Iron	259.94		100	40.0	P
Lead			3		NR
Magnesium	279.08		5000	300.0	P
Manganese	257.61		15	5.0	P
Mercury			0.2		NR
Nickel	231.60		40	30.0	P
Potassium	766.49		5000	200.0	P
Selenium			5		NR
Silver	328.07		10	10.0	P
Sodium	589.00		5000	800.0	P
Thallium			10		NR
Vanadium	292.40		50	20.0	P
Zinc	213.86		20	10.0	P

Comments:

FORM XI - IN

12/91

NYSDEC ASP

10

INSTRUMENT DETECTION LIMITS (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412____
 Lab Code: RECNY_ Case No.: RA093 SAS No.: _____ SDG No.: 81393_
 ICP ID Number: _____ Date: 04/29/93
 Flame AA ID Number : PE3100_____
 Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium	422.70	BD	5000	100.0	A
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

NYSDEC ASP

10

INSTRUMENT DETECTION LIMITS (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._____ Contract: C002412_____

Lab Code: RECNY_____ Case No.: RA093 SAS No.: _____ SDG No.: 81393_____

ICP ID Number: _____ Date: 07/08/93

Flame AA ID Number : _____

Furnace AA ID Number : PE5100#1_____

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic	193.70	BZ	10	3.0	F
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead	283.30	BZ	3	2.0	F
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium	196.00	BZ	5	3.0	F
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

NYSDEC ASP

10

INSTRUMENT DETECTION LIMITS (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412
 Lab Code: RECNY Case No.: RA093 SAS No.: SDG No.: 81393
 ICP ID Number: Date: 07/08/93
 Flame AA ID Number :
 Furnace AA ID Number : PE5100#3

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony	217.60	BZ	60	5.0	F
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium	228.80	BZ	5	0.2	F
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury			0.2		NR
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium	196.00	BZ	10	3.0	F
Vanadium			50		NR
Zinc			20		NR

Comments:

NYSDEC ASP

10

INSTRUMENT DETECTION LIMITS (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._ Contract: C002412____
 Lab Code: RECNY_ Case No.: RA093 SAS No.: _____ SDG No.: 81393_
 ICP ID Number: _____ Date: 08/24/93
 Flame AA ID Number : PE2380_____
 Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.70		0.2	0.2	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

NYSDEC ASP

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_

Case No.: RA093

SAS No.: _____

SDG No.: 81393_

ICP ID Number: ARL3560_____

Date: 05/19/93

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		Al	Ca	Fe	Mg	CR
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic						
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0000000	0.0000000	0.0005154	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	357.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	325.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0004427	0.0000000	0.0002950	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium						
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium						
Vanadium	292.40	0.0000000	0.0000000	0.0000462	0.0000000	0.0000000
Zinc	213.86	0.0000000	0.0000000	0.0001557	0.0000000	0.0000000

Comments:

NYSDEC ASP

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._____ Contract: C002412_____
 Lab Code: RECNY_____ Case No.: RA093 SAS No.: _____ SDG No.: 81393_____
 ICP ID Number: ARL3560_____ Date: 05/19/93

Analyte	Wave-length (nm)	Interelement Correction Factors for :			
		NI	---	---	---
Aluminum	308.22	0.0000000			
Antimony	206.84	0.0000000			
Arsenic					
Barium	455.40	0.0000000			
Beryllium	313.04	0.0000000			
Cadmium	228.80	0.0000000			
Calcium	317.93	0.0000000			
Chromium	357.90	0.0000000			
Cobalt	228.62	0.0000000			
Copper	325.75	0.0000000			
Iron	259.94	0.0000000			
Lead	220.35	0.0000000			
Magnesium	279.08	0.0000000			
Manganese	257.61	0.0000000			
Mercury					
Nickel	231.60	0.0000000			
Potassium	766.49	0.0000000			
Selenium					
Silver	328.07	0.0000000			
Sodium	589.00	0.0000000			
Thallium					
Vanadium	292.40	0.0000000			
Zinc	213.86	0.0035505			

Comments:

NYSDEC ASP

12

ICP LINEAR RANGES (SEMIANNUALLY)

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412_

Lab Code: RECNY_

Case No.: RA093

SAS No.: _____

SDG No.: 81393_

ICP ID Number: ARL3560_

Date: 07/29/93

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	45.00	1000000.0	P
Antimony	45.00	50000.0	P
Arsenic			NR
Barium	45.00	100000.0	P
Beryllium	45.00	40000.0	P
Cadmium	45.00	100000.0	P
Calcium	45.00	500000.0	P
Chromium	45.00	50000.0	P
Cobalt	45.00	100000.0	P
Copper	45.00	100000.0	P
Iron	45.00	200000.0	P
Lead	45.00	100000.0	P
Magnesium	45.00	500000.0	P
Manganese	45.00	50000.0	P
Mercury			NR
Nickel	45.00	100000.0	P
Potassium	45.00	500000.0	P
Selenium			NR
Silver	45.00	10000.0	P
Sodium	45.00	500000.0	P
Thallium			NR
Vanadium	45.00	50000.0	P
Zinc	45.00	50000.0	P

Comments:

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: ARL3560_____

Method: P_

Start Date: 08/24/93

End Date: 08/24/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V	Z N	C N
S0	1.00	0842		X			X	X			X	X	X	X		X	X		X	X					X	X	
S	1.00	0845		X			X	X			X	X	X	X		X	X		X	X					X	X	
S	1.00	0848		X			X	X			X	X	X	X		X	X		X	X					X	X	
S	1.00	0851		X			X	X			X	X	X	X		X	X		X	X					X	X	
ICV	1.00	1258		X			X	X			X	X	X	X		X	X		X	X					X	X	
ICB	1.00	1302		X			X	X			X	X	X	X		X	X		X	X					X	X	
CRI	1.00	1305						X			X	X	X			X			X						X	X	
ICSA	1.00	1308		X			X	X			X	X	X	X		X	X		X	X					X	X	
ICSAB	1.00	1312		X			X	X			X	X	X	X		X	X		X	X					X	X	
CCV	1.00	1315		X			X	X			X	X	X	X		X	X		X	X					X	X	
CCB	1.00	1318		X			X	X			X	X	X	X		X	X		X	X					X	X	
PBS	1.00	1321		X			X	X			X	X	X	X		X	X		X	X					X	X	
LCSS	1.00	1326		X			X	X			X	X	X	X		X	X		X	X					X	X	
ZZZZZZ	1.00	1329																									
ZZZZZZ	1.00	1332																									
ZZZZZZ	1.00	1335																									
ZZZZZZ	1.00	1345																									
ZZZZZZ	1.00	1348																									
SP1SSW	1.00	1351		X			X	X			X	X	X	X		X	X		X	X					X	X	
SP1SSWL	1.00	1359		X			X	X			X	X	X	X		X	X		X	X					X	X	
CCV	1.00	1402		X			X	X			X	X	X	X		X	X		X	X					X	X	
CCB	1.00	1405		X			X	X			X	X	X	X		X	X		X	X					X	X	
SP1B	1.00	1410		X			X	X			X	X	X	X		X	X		X	X					X	X	
ZZZZZZ	1.00	1413																									
ZZZZZZ	1.00	1416																									
ZZZZZZ	1.00	1420																									
ZZZZZZ	1.00	1423																									
ZZZZZZ	1.00	1426																									
ZZZZZZ	1.00	1430																									
ZZZZZZ	1.00	1433																									
ZZZZZZ	1.00	1436																									
ZZZZZZ	1.00	1439																									

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: ARL3560_____

Method: P_

Start Date: 08/31/93

End Date: 08/31/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N		
S0	1.00	0842																				X							
S	1.00	0845																				X							
S	1.00	0848																				X							
S	1.00	0851																				X							
ICV	1.00	1143																				X							
ICB	1.00	1145																				X							
CRI	1.00	1146																				X							
ICSA	1.00	1148																				X							
ICSAB	1.00	1149																				X							
CCV	1.00	1151																				X							
CCB	1.00	1152																				X							
ZZZZZZ	1.00	1154																											
ZZZZZZ	1.00	1156																											
ZZZZZZ	1.00	1157																											
ZZZZZZ	1.00	1159																											
PBS	1.00	1200																				X							
LCSS	1.00	1204																				X							
ZZZZZZ	1.00	1206																											
ZZZZZZ	1.00	1208																											
ZZZZZZ	1.00	1210																											
ZZZZZZ	1.00	1212																											
CCV	1.00	1213																				X							
CCB	1.00	1215																				X							
ZZZZZZ	1.00	1216																											
ZZZZZZ	1.00	1218																											
ZZZZZZ	1.00	1220																											
ZZZZZZ	1.00	1222																											
ZZZZZZ	1.00	1223																											
ZZZZZZ	1.00	1225																											
ZZZZZZ	1.00	1226																											
ZZZZZZ	1.00	1228																											
ZZZZZZ	1.00	1230																											

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: ARL3560_____

Method: P_

Start Date: 08/31/93

End Date: 08/31/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N
ZZZZZZ_	1.00	1231		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1233		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
CCB	1.00	1235		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
ZZZZZZ_	1.00	1236		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1238		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1239		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1241		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1242		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1245		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1247		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1248		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1250		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1251		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1253		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
CCB	1.00	1254		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
ZZZZZZ_	1.00	1256		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1258		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1259		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1301		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1302		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1304		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1305		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1307		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1308		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1310		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1312		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
CCB	1.00	1314		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-
ZZZZZZ_	1.00	1315		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1317		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1318		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1320		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ_	1.00	1321		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: ARL3560_____

Method: P_

Start Date: 08/31/93

End Date: 08/31/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N
ZZZZZZ	1.00	1323																								
ZZZZZZ	1.00	1324																								
ZZZZZZ	1.00	1327																								
SP1SSW	1.00	1330																			X					
CCV	1.00	1331																			X					
CCB	1.00	1333																			X					
SP1SSWL	1.00	1334																			X					
SP1B	1.00	1335																			X					
ZZZZZZ	1.00	1337																								
ZZZZZZ	1.00	1338																								
ZZZZZZ	1.00	1340																								
ZZZZZZ	1.00	1341																								
ZZZZZZ	1.00	1343																								
ZZZZZZ	1.00	1344																								
ZZZZZZ	1.00	1346																								
ZZZZZZ	1.00	1348																								
CCV	1.00	1349																			X					
CCB	1.00	1351																			X					
ZZZZZZ	1.00	1353																								
ZZZZZZ	1.00	1354																								
ZZZZZZ	1.00	1355																								
ZZZZZZ	1.00	1357																								
ZZZZZZ	1.00	1358																								
ZZZZZZ	1.00	1400																								
ZZZZZZ	1.00	1401																								
ZZZZZZ	1.00	1403																								
ZZZZZZ	1.00	1404																								
ZZZZZZ	1.00	1406																								
CCV	1.00	1407																			X					
CCB	1.00	1409																			X					
ZZZZZZ	1.00	1410																								
ZZZZZZ	1.00	1412																								

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: ARL3560_____

Method: P_

Start Date: 09/07/93

End Date: 09/07/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N		
SO	1.00	1459																				X							
S	1.00	1501																				X							
S	1.00	1503																				X							
S	1.00	1505																				X							
ICV	1.00	1507																				X							
ICB	1.00	1509																				X							
CRI	1.00	1510																											
ICSA	1.00	1512																				X							
ICSAB	1.00	1513																				X							
CCV	1.00	1515																				X							
CCB	1.00	1517																				X							
PBS	1.00	1519																				X							
LCSS	1.00	1520																				X							
ZZZZZZ	1.00	1522																											
ZZZZZZ	1.00	1525																											
ZZZZZZ	1.00	1527																											
ZZZZZZ	1.00	1528																											
ZZZZZZ	1.00	1530																											
ZZZZZZ	1.00	1531																											
SP1SSW	1.00	1533																				X							
SP1B	1.00	1535																				X							
CCV	1.00	1536																				X							
CCB	1.00	1539																				X							
SP1BL	1.00	1540																											
ZZZZZZ	1.00	1542																											
ZZZZZZ	1.00	1543																											
ZZZZZZ	1.00	1545																											
ZZZZZZ	1.00	1546																											
ZZZZZZ	1.00	1548																											
ZZZZZZ	1.00	1549																											
CRI	1.00	1552																											
ICSA	1.00	1554																				X							

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE3100_____

Method: A_

Start Date: 08/30/93

End Date: 08/30/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
S0	1.00	2125								X																					
S1000	1.00	2126								X																					
S5000	1.00	2126								X																					
S10000	1.00	2127								X																					
ZZZZZZ	1.00	2127																													
ICV	1.00	2128								X																					
ZZZZZZ	1.00	2128																													
ICB	1.00	2129								X																					
ZZZZZZ	1.00	2129																													
CRA	1.00	2130								X																					
ZZZZZZ	1.00	2130																													
STD500	1.00	2131																													
ZZZZZZ	1.00	2131																													
STD1000	1.00	2132																													
ZZZZZZ	1.00	2133																													
STD2000	1.00	2133																													
ZZZZZZ	1.00	2134																													
STD5000	1.00	2134																													
ZZZZZZ	1.00	2135																													
STD10000	1.00	2135																													
ZZZZZZ	1.00	2136																													
LCSS	10.00	2136								X																					
ZZZZZZ	1.00	2137																													
PBS	1.00	2137								X																					
ZZZZZZ	1.00	2138																													
ZZZZZZ	1.00	2138																													
ZZZZZZ	1.00	2139																													
ZZZZZZ	1.00	2140																													
ZZZZZZ	1.00	2140																													
CCV	1.00	2141								X																					
ZZZZZZ	1.00	2141																													
CCB	1.00	2142								X																					

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE3100_____

Method: A_

Start Date: 08/30/93

End Date: 08/30/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
ZZZZZZ	1.00	2142																													
ZZZZZZ	1.00	2143																													
ZZZZZZ	1.00	2144																													
ZZZZZZ	1.00	2144																													
ZZZZZZ	1.00	2145																													
ZZZZZZ	1.00	2145																													
ZZZZZZ	1.00	2146																													
ZZZZZZ	1.00	2146																													
ZZZZZZ	1.00	2147																													
ZZZZZZ	1.00	2147																													
ZZZZZZ	1.00	2148																													
ZZZZZZ	1.00	2148																													
ZZZZZZ	1.00	2149																													
ZZZZZZ	1.00	2150																													
ZZZZZZ	1.00	2150																													
ZZZZZZ	1.00	2151																													
ZZZZZZ	1.00	2151																													
ZZZZZZ	1.00	2152																													
ZZZZZZ	1.00	2152																													
SP1SSW	1.00	2153								X																					
ZZZZZZ	1.00	2154																													
CCV	1.00	2154								X																					
ZZZZZZ	1.00	2155																													
CCB	1.00	2155								X																					
ZZZZZZ	1.00	2156																													
SP1B	1.00	2156								X																					
ZZZZZZ	1.00	2157																													
ZZZZZZ	10.00	2158																													
ZZZZZZ	1.00	2158																													
ZZZZZZ	1.00	2159																													
ZZZZZZ	1.00	2159																													
ZZZZZZ	1.00	2200																													

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE3100_____

Method: A_

Start Date: 08/30/93

End Date: 08/30/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
ZZZZZZ	1.00	2200																													
ZZZZZZ	1.00	2201																													
ZZZZZZ	1.00	2201																													
ZZZZZZ	1.00	2202																													
ZZZZZZ	1.00	2203																													
ZZZZZZ	1.00	2203																													
ZZZZZZ	1.00	2204																													
ZZZZZZ	1.00	2204																													
ZZZZZZ	1.00	2205																													
ZZZZZZ	1.00	2205																													
ZZZZZZ	1.00	2206																													
ZZZZZZ	1.00	2206																													
ZZZZZZ	1.00	2208																													
CCV	1.00	2208							X																						
ZZZZZZ	1.00	2209																													
CCB	1.00	2209							X																						
ZZZZZZ	1.00	2210																													
ZZZZZZ	1.00	2210																													
ZZZZZZ	1.00	2211																													
ZZZZZZ	1.00	2211																													
ZZZZZZ	1.00	2212																													
ZZZZZZ	1.00	2212																													
ZZZZZZ	1.00	2213																													
ZZZZZZ	1.00	2213																													
ZZZZZZ	1.00	2214																													
ZZZZZZ	1.00	2215																													
ZZZZZZ	1.00	2215																													
ZZZZZZ	1.00	2216																													
ZZZZZZ	1.00	2216																													
ZZZZZZ	1.00	2217																													
ZZZZZZ	1.00	2217																													
ZZZZZZ	1.00	2218																													

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE3100_____

Method: A_

Start Date: 08/30/93

End Date: 08/30/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
ZZZZZZ	1.00	2219		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	100.00	2220		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2221		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CCV	1.00	2221		-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2222		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CCB	1.00	2222		-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2223		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	10.00	2223		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2224		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	10.00	2224		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2225		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	10.00	2225		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2226		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	10.00	2226		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2227		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	10.00	2228		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2228		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	10.00	2229		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2229		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	10.00	2230		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2230		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	10.00	2231		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2231		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	10.00	2232		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2232		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	10.00	2233		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2233		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CCV	1.00	2234		-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2234		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CCB	1.00	2235		-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2235		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	100.00	2236		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE3100_____

Method: A_

Start Date: 08/30/93

End Date: 08/30/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
ZZZZZZ	1.00	2236																													
ZZZZZZ	100.00	2237																													
ZZZZZZ	1.00	2237																													
ZZZZZZ	100.00	2238																													
ZZZZZZ	1.00	2238																													
ZZZZZZ	10.00	2239																													
ZZZZZZ	1.00	2240																													
ZZZZZZ	100.00	2240																													
ZZZZZZ	1.00	2241																													
ZZZZZZ	100.00	2241																													
ZZZZZZ	1.00	2242																													
ZZZZZZ	100.00	2242																													
ZZZZZZ	1.00	2243																													
ZZZZZZ	100.00	2243																													
ZZZZZZ	1.00	2244																													
ZZZZZZ	100.00	2244																													
ZZZZZZ	1.00	2245																													
ZZZZZZ	10.00	2245																													
ZZZZZZ	1.00	2246																													
CCV	1.00	2246								X																					
ZZZZZZ	1.00	2247																													
CCB	1.00	2247								X																					
ZZZZZZ	1.00	2248																													
ZZZZZZ	100.00	2248																													
ZZZZZZ	1.00	2249																													
ZZZZZZ	100.00	2249																													
ZZZZZZ	1.00	2250																													
ZZZZZZ	100.00	2251																													
ZZZZZZ	1.00	2251																													
ZZZZZZ	100.00	2252																													
ZZZZZZ	1.00	2252																													
ZZZZZZ	100.00	2253																													

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE3100_____

Method: A_

Start Date: 08/30/93

End Date: 08/30/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N
ZZZZZZ	1.00	2253																								
ZZZZZZ	100.00	2254																								
ZZZZZZ	1.00	2255																								
ZZZZZZ	100.00	2255																								
ZZZZZZ	1.00	2256																								
CCV	1.00	2256							X																	
ZZZZZZ	1.00	2257							X																	
CCB	1.00	2257							X																	
ZZZZZZ	1.00	2258																								
ZZZZZZ	1.00	2258																								
ZZZZZZ	1.00	2259																								
ZZZZZZ	1.00	2259																								
ZZZZZZ	1.00	2300																								
ZZZZZZ	1.00	2300																								
ZZZZZZ	1.00	2301																								
ZZZZZZ	1.00	2301																								
ZZZZZZ	1.00	2302																								
ZZZZZZ	1.00	2303																								
ZZZZZZ	1.00	2303																								
ZZZZZZ	1.00	2304																								
ZZZZZZ	1.00	2304																								
ZZZZZZ	1.00	2305																								
ZZZZZZ	1.00	2305																								
ZZZZZZ	1.00	2306																								
ZZZZZZ	1.00	2307																								
ZZZZZZ	10.00	2307																								
ZZZZZZ	1.00	2308																								
ZZZZZZ	10.00	2308																								
ZZZZZZ	1.00	2309																								
CCV	1.00	2309							X																	
ZZZZZZ	1.00	2310							X																	
CCB	1.00	2310							X																	

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE5100#3_____

Method: F_

Start Date: 09/07/93

End Date: 09/07/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
S0	1.00	0651			X																										
S25	1.00	0654			X																										
S50	1.00	0658			X																										
S100	1.00	0701			X																										
ICV	10.00	0704			X																										
ICB	1.00	0708			X																										
CRA	1.00	0711			X																										
CCV	10.00	0714			X																										
CCB	1.00	0717			X																										
LCSS	10.00	0737			X																										
LCSSA	10.00	0740	96.3		X																										
PBS	1.00	0744			X																										
PBSA	1.00	0748	105.0		X																										
ZZZZZZ	1.00	0753																													
ZZZZZZ	1.00	0756																													
ZZZZZZ	1.00	0800																													
ZZZZZZ	1.00	0803																													
ZZZZZZ	1.00	0807																													
ZZZZZZ	1.00	0810																													
CCV	10.00	0817			X																										
CCB	1.00	0820			X																										
ZZZZZZ	1.00	0823																													
ZZZZZZ	1.00	0827																													
ZZZZZZ	2.00	0830																													
ZZZZZZ	1.00	0833																													
ZZZZZZ	1.00	0836																													
SP1SSW	1.00	0844			X																										
SP1SSWA	1.00	0847	81.3		X																										
SP1B	1.00	0850			X																										
SP1BA	1.00	0854	70.0		X																										
CCV	10.00	0859			X																										
CCB	1.00	0902			X																										

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE5100#1_____

Method: F_

Start Date: 09/07/93

End Date: 09/07/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N
S0	1.00	0731				X																					
S10	1.00	0734				X																					
S50	1.00	0738				X																					
S100	1.00	0742				X																					
ICV	10.00	0745				X																					
ICB	1.00	0748				X																					
CRA	1.00	0752				X																					
CCV	10.00	0755				X																					
CCB	1.00	0759				X																					
LCSS	10.00	0805				X																					
LCSSA	10.00	0809	85.0			X																					
PBS	1.00	0812				X																					
PBSA	1.00	0817	100.0			X																					
SP1SSW	1.00	0820				X																					
SP1SSWA	1.00	0824	105.0			X																					
SP1B	1.00	0828				X																					
SP1BA	1.00	0831	95.0			X																					
ZZZZZZ	10.00	0839																									
ZZZZZZ	10.00	0843																									
CCV	10.00	0848				X																					
CCB	1.00	0851				X																					
ZZZZZZ	1.00	0855																									
ZZZZZZ	1.00	0901																									
ZZZZZZ	1.00	0905																									
ZZZZZZ	1.00	0908																									
ZZZZZZ	1.00	0912																									
ZZZZZZ	1.00	0915																									
ZZZZZZ	1.00	0918																									
ZZZZZZ	1.00	0922																									
ZZZZZZ	1.00	0926																									
ZZZZZZ	1.00	0929																									
CCV	10.00	0933				X																					

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE5100#1_____

Method: F_

Start Date: 09/07/93

End Date: 09/07/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N		
CCB	1.00	0937				X																							
ZZZZZZ	1.00	0941																											
ZZZZZZ	1.00	0944																											
ZZZZZZ	1.00	0948																											
ZZZZZZ	1.00	0951																											
ZZZZZZ	1.00	0955																											
ZZZZZZ	1.00	0958																											
ZZZZZZ	1.00	1003																											
ZZZZZZ	1.00	1007																											
CCV	10.00	1010			X																								
CCB	1.00	1014			X																								
ZZZZZZ	1.00	1019																											
ZZZZZZ	1.00	1020																											
ZZZZZZ	1.00	1022																											
ZZZZZZ	1.00	1024																											
ZZZZZZ	1.00	1026																											
ZZZZZZ	1.00	1028																											
ZZZZZZ	1.00	1029																											
ZZZZZZ	1.00	1031																											
ZZZZZZ	1.00	1034																											
ZZZZZZ	1.00	1036																											
ZZZZZZ	1.00	1038																											
ZZZZZZ	1.00	1039																											
ZZZZZZ	1.00	1044																											
ZZZZZZ	1.00	1045																											
ZZZZZZ	1.00	1047																											
ZZZZZZ	1.00	1049																											
CCV	10.00	1054			X																								
CCB	1.00	1057			X																								

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE5100#3_____

Method: F_

Start Date: 09/07/93

End Date: 09/07/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V N	Z N	C N				
S0	1.00	1007							X																						
S1	1.00	1011							X																						
S2	1.00	1015							X																						
S3	1.00	1018							X																						
ICV	200.00	1022							X																						
ICB	1.00	1025							X																						
CRA	1.00	1029							X																						
CCV	200.00	1033							X																						
CCB	1.00	1036							X																						
LCSS	250.00	1040							X																						
LCSSA	250.00	1044	90.0						X																						
PBS	1.00	1048							X																						
PBSA	1.00	1052	100.0						X																						
SP1SSW	1.00	1056																													
SP1SSWA	1.00	1100	-9999.9																												
SP1B	1.00	1103																													
SP1BA	1.00	1107	-9999.9																												
ZZZZZZ	250.00	1144																													
ZZZZZZ	250.00	1148																													
CCV	200.00	1153							X																						
CCB	1.00	1157							X																						
ZZZZZZ	1.00	1200																													
ZZZZZZ	1.00	1204																													
ZZZZZZ	1.00	1207																													
ZZZZZZ	1.00	1211																													
ZZZZZZ	1.00	1215																													
ZZZZZZ	1.00	1218																													
ZZZZZZ	1.00	1222																													
ZZZZZZ	1.00	1226																													
ZZZZZZ	1.00	1229																													
ZZZZZZ	1.00	1233																													
CCV	200.00	1244							X																						

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE5100#3_____

Method: F_

Start Date: 09/07/93

End Date: 09/07/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N
CCB	1.00	1248							X																	
ZZZZZZ	1.00	1252																								
ZZZZZZ	1.00	1256																								
ZZZZZZ	1.00	1300																								
ZZZZZZ	1.00	1303																								
ZZZZZZ	1.00	1307																								
ZZZZZZ	1.00	1311																								
ZZZZZZ	1.00	1317																								
ZZZZZZ	1.00	1320																								
SP1SSW	10.00	1324							X																	
SP1SSWA	10.00	1327	90.0						X																	
CCV	200.00	1331							X																	
CCB	1.00	1335							X																	
SP1B	10.00	1341																								
SP1BA	10.00	1345	-9999.9																							
SP1B	100.00	1350							X																	
SP1BA	100.00	1354	100.0						X																	
ZZZZZZ	100.00	1401																								
ZZZZZZ	100.00	1405																								
ZZZZZZ	10.00	1411																								
ZZZZZZ	10.00	1415																								
ZZZZZZ	10.00	1419																								
ZZZZZZ	10.00	1422																								
CCV	200.00	1427							X																	
CCB	1.00	1430							X																	
ZZZZZZ	10.00	1434																								
ZZZZZZ	10.00	1437																								
ZZZZZZ	10.00	1441																								
ZZZZZZ	10.00	1444																								
ZZZZZZ	10.00	1448																								
ZZZZZZ	10.00	1452																								
ZZZZZZ	10.00	1455																								

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE5100#1_____

Method: F_

Start Date: 09/07/93

End Date: 09/08/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N		
S0	1.00	2039																		X									
S5	1.00	2045																		X									
S50	1.00	2050																		X									
S100	1.00	2056																		X									
ICV	10.00	2101																		X									
ICB	1.00	2107																		X									
CRA	1.00	2112																		X									
CCV	10.00	2118																		X									
CCB	1.00	2123																		X									
LCSS	10.00	2129																		X									
LCSSA	10.00	2134	90.0																	X									
PBS	1.00	2140																		X									
PBSA	1.00	2145	90.0																	X									
SP1SSW	1.00	2151																		X									
SP1SSWA	1.00	2156	90.0																	X									
SP1B	1.00	2202																		X									
SP1BA	1.00	2208	70.0																	X									
ZZZZZZ	10.00	2220																											
ZZZZZZ	10.00	2225																											
CCV	10.00	2231																		X									
CCB	1.00	2236																		X									
ZZZZZZ	1.00	2242																											
ZZZZZZ	1.00	2247																											
ZZZZZZ	1.00	2253																											
ZZZZZZ	1.00	2258																											
ZZZZZZ	1.00	2303																											
ZZZZZZ	1.00	2309																											
ZZZZZZ	1.00	2314																											
ZZZZZZ	1.00	2320																											
ZZZZZZ	1.00	2325																											
ZZZZZZ	1.00	2331																											
CCV	10.00	2336																		X									

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE5100#3_____

Method: F_

Start Date: 09/07/93

End Date: 09/08/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N		
S0	1.00	2158		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
S10	1.00	2203		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
S50	1.00	2207		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
S100	1.00	2211		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
ICV	10.00	2216		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
ICB	1.00	2220		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
CRA	1.00	2224		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
CCV	10.00	2228		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
CCB	1.00	2233		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
LCSS	10.00	2237		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
LCSSA	10.00	2241	90.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
PBS	1.00	2246		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
PBSA	1.00	2250	105.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
SP1SSW	1.00	2255		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
SP1SSWA	1.00	2259	105.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
SP1B	1.00	2304		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
SP1BA	1.00	2308	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
ZZZZZZ	1.00	2313		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2317		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CCV	10.00	2321		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
CCB	1.00	2325		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
ZZZZZZ	1.00	2330		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2334		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2338		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2342		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2346		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2351		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2355		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	2359		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
ZZZZZZ	1.00	0008		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CCV	10.00	0013		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			
CCB	1.00	0017		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-			

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: PE2380_____

Method: CV

Start Date: 08/24/93

End Date: 08/24/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N
ZZZZZZ	1.00	0755																									
ZZZZZZ	1.00	0756																									
CCV	1.00	0756															X										
CCB	1.00	0757															X										
S0	1.00	0758															X										
S0.5	1.00	0759															X										
S1	1.00	0759															X										
S5	1.00	0800															X										
S10	1.00	0801															X										
ZZZZZZ	1.00	0801																									
ZZZZZZ	1.00	0802																									
ZZZZZZ	1.00	0803																									
ZZZZZZ	1.00	0804																									
ZZZZZZ	1.00	0804																									
ZZZZZZ	1.00	0805																									
ZZZZZZ	1.00	0806																									
CCV	1.00	0807															X										
CCB	1.00	0807															X										
S0	1.00	0808															X										
S0.5	1.00	0809															X										
S1	1.00	0809															X										
S5	1.00	0810															X										
S10	1.00	0811															X										
ZZZZZZ	1.00	0812																									
ZZZZZZ	1.00	0812																									
ZZZZZZ	1.00	0813																									
ZZZZZZ	1.00	0814																									
ZZZZZZ	1.00	0814																									
CCV	1.00	0815															X										
CCB	1.00	0816															X										
S0	1.00	0817															X										
S0.5	1.00	0817															X										

NYSDEC ASP

14
ANALYSIS RUN LOG

Lab Name: RECRA_ENVIRONMENTAL_INC._

Contract: C002412__

Lab Code: RECNY_ Case No.: RA093_

SAS No.: _____ SDG No.:81393_

Instrument ID Number: MR-1201_____

Method: C_

Start Date: 08/20/93

End Date: 08/20/93

NYSDEC Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
ZZZZZZ	1.00	0820																													
ZZZZZZ	1.00	0829																													
ICV	1.00	0839																									X				
ICB	1.00	0848																									X				
ZZZZZZ	1.00	0858																													
ZZZZZZ	1.00	0907																													
ZZZZZZ	1.00	0917																													
ZZZZZZ	1.00	0926																													
ZZZZZZ	1.00	0936																													
ZZZZZZ	1.00	0945																													
ZZZZZZ	1.00	0955																													
ZZZZZZ	1.00	1005																													
ZZZZZZ	1.00	1014																													
ZZZZZZ	1.00	1024																													
CCV	1.00	1033																									X				
CCB	1.00	1043																									X				
ZZZZZZ	1.00	1052																													
ZZZZZZ	1.00	1102																													
ZZZZZZ	1.00	1111																													
ZZZZZZ	1.00	1121																													
ZZZZZZ	1.00	1131																													
ZZZZZZ	1.00	1140																													
ZZZZZZ	1.00	1150																													
ZZZZZZ	1.00	1159																													
ZZZZZZ	1.00	1209																													
ZZZZZZ	1.00	1218																													
CCV	1.00	1228																									X				
CCB	1.00	1237																									X				
ZZZZZZ	1.00	1247																													
ZZZZZZ	1.00	1257																													
ZZZZZZ	1.00	1306																													
ZZZZZZ	1.00	1316																													

