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TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-WO-0036

TRANSMITTAL MEMO

To: Joe Cosentino, OSC
Removal Action Branch, U.S. EPA Region II

From: Smita Sumbaly, Data Reviewer
Heidemarie Adenau, PM
TAT Region II

Subject: Documentation of Transmittal

Date: May 30,1995

The purpose of this memo is to transmit the following information:

Site: Bayonne Drum & Barrel Co Site

Subject:

1. Data validation results for the following parameters:
   TAL + CN 47 samples
2. Matrices and Number ofSamples:
   Soil 46 samples
   Aqueous 01 sample
3. Sampling date: March 15, 1995
4. Final data assessment narrative and original analytical data package sent to Joe Cosentino,OSC on May 30, 1995.

cc: TAT PM Heidemarie Adenau
TAT FILE TDD #: 02-9503-L004
TDD #: 02-9410-0090
WO #: 0441

353231

U.S. ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: May 22, 1995

TO: Joe Cosentino, OSC
USEPA Region II

FROM: Smita Sumbaly
TAT Data Review Team

SUBJECT: QA/QC Compliance Review Summary

As requested quality control and performance measures for the data packages noted have been examined and compared to EPA standards for compliance. Measures for the following general areas were evaluated:

Data Completeness	Blanks
Spectra Matching Quality	DFTPP and BFB Tuning
Surrogate Spikes	Chromatography
Matrix Spikes/Duplicates	Holding Times
Calibration	Compound ID (HSL, TIC)

Any statistical measures used to support the following conclusions are attached so that the review may be reviewed by others.

Summary of Results

	I Volatiles	II B/N/A	III Pesticide	IV Metals
Acceptable as Submitted				
Acceptable with Comments				X
Unacceptable, Action Pending				
Unacceptable				

Data Reviewed by: Smita Sumbaly Date: 05/22/95

Review Authorized By: _____ Date: _____

Signature: _____

Area Code/Phone No.: (908) 225-6116

NARRATIVE

CASE No.0441

SITE NAME: Bayonne Drum and Barrel Co

Newark,New Jersey.

Laboratory Name: NYtest Environmental,Inc.

INTRODUCTION:

The laboratory's portion of this Case consisted of 47 samples collected on 03/15/95.

The laboratory reported No problem(s) with the receipt of these samples.

The laboratory reported No problems with the analyses of Metals & Cyanide compounds.

The evaluator has commented on the criteria specified under each fraction heading. All criteria have been assessed, but no discussion is given where the evaluator has determined that criteria were adequately performed or require no comment. Details relevant to these comments are given on the forms followed.

IV. Inorganic: _____

_Y_ Data Summary/Tablulated Results
_Y_ Initial and Continuing Calibration
_Y_ Blanks
_Y_ ICP Interference Check
_Y_ Spike Sample Recovery
_Y_ Duplicates
_Y_ Detection Limits
_Y_ Standard Addition Results
_Y_ ICP Serial Dilutions
_Y_ Holding Times
_Y_ ICP Interelement Correction Factors
_Y_ ICP Linear Ranges
_Y_ Chain of Custody
_Y_ Raw Data
_Y_ Quantitation, Conversions, Dilutions, etc.

Comments:

1. Refer Data Assessment Narrative

Title: Evaluation of Inorganic Data for the Contract laboratory Program
Appendix A.2: Data Assessment Narrative

Date: Jan. 1992
Number: HW-2
Revision: 11

Case #:	**RFP # 0441**	**Site: Bayonne Barrel and Drum**	
SDG#:	**23326,23327 & 23328**	**Lab: NYtest Environmental Inc.**	**Matrix Soil/Sludge: 47**
Contractor:	**WESTON-TAT**	**Reviewer: Smita Sumbaly**	**Water: 1**

A.2.1 Validation Flags- The following flags have been applied in red by the data validator and must be considered by the data user.

J- This flag indicates the result qualified as estimated.

Red- Line- A red-line drawn through a sample result indicates an unusable value. The red-lined data are known to contain significant errors based on documented information and must not be used by the data user.

Fully Usable Data- The results that do not carry "J" or "red-line" are fully usable.

Contractual Qualifiers- The legend of contractual qualifiers applied by the laboratory on Form I's is found on page B-20 of SOW ILM01.0.

A.2.2 The data assessment is given below and on the attached sheets.

On March 15, 1995 USEPA Region II Technical Assistance Team (TAT) Sampling Personnel collected thirty-six (36) sludge/solid matrix grab samples and eleven (11) liquid matrix grab samples for Target Analyte List inorganic parameters including cyanide (TAL + CN) from the Bayonne Barrel and Drum Site (BB&D). On March 15, 1995 samples were hand delivered to NYtest Environmental Incorporated, Port Washington, New York. The laboratory verified that samples were received intact and properly preserved.

The results presented in this data package are acceptable with the exceptions noted in the following data assessment narative.

A.2.2 (continuation):

MATRIX SPIKE RECOVERY:

The following TAL inorganic analytes were either qualified as estimated "J" or rejected "red-lined" in the associated samples due to spike recoveries (% R) outside of specified QC limits in the associated spike samples and because the sample result (SR) concentration < 4 X the spike added (SA) concentration:

ANALYTE	PERCENT RECOVERY	QC RECOVERY LIMIT	QUALIFIER	ASSOCIATED SAMPLES
Barrium	20.7%	75-125 %	"J"	DL009, -10, 011, 012, 013, 014, 015, 016, 017, 018, & 019
Selenium	-15.1%	75-125 %	"R"	Same as above
Thallium	72%	75-125 %	"J"	Same as above
Arsenic	154%	75-125%	"J"	DS008, 09,-010, -011, -012, -013, 014, 016, -017, -019, -020, -022, -023, -024, & 025
Copper	145%	75-125%	"J"	DS008, -09, -010, -011, -013, -014, -015, -016, -017, -019, -020, -022, -023, -024,& -012
Manganese	177%	75-125%	"J"	DS008, -09, -010, -011, -013, -014, -015, -016, -017, -019, -020, -021, -022, -023, -024, -025 and -012
Silver	73.2%	75-125%	"J"	DS008, -09, -010, -011, -012, -013, -014, -015, -016, -017, -019, -020, -021, -022, -023, -024 and -025

A.2.2 (continuation):

Selenium	0.0%	75-125%	"R"	Same as above
Thallium	32.3%	75-125%	"J"	Same as above
Arsenic	159.0%	75-125%	"J"	DS018, -026, -027, -028, -029, -030, -031, -032, -033, -034, -035, -036, -037, -038, -039, -040, -041, & -042
Mangenese	131.0%	75-125%	"J"	DS018, -026, -027, -028, -029, -030, -031, -032, -033, -034, -035, -036, -037, -038, -039, -040, -041, -042, & 043
Selenium	64.1%	75-125%	"J"	Same as above
Silver	63.0%	75-125%	"J"	Same as above
Thallium	0.0%	75-125%	"R"	Same as above

CRDL STANDARD RECOVERY:

The following analytes were qualified estimated "J" due to Contract Required Detection Limit (CRDL) Standard Percent recoveries (% R) outside quality control limits and because their concentration fell within "affected ranges":

ANALYTE	% RECOVERY	AFFECTED RANGE	QUALIFIER	ASSOCIATED SAMPLES
Cadmium	57.1%	0-20 ug/l	"J"	DL009,-010,011,012,013,014, 015,016,017,018,019 and FB-02
				DS025 & DS012
				DS026,027,028,032, 035, 034, 040,-038,

A.2.2 (continuation):

				-039,043,018,041 & 042
Copper	65.6%	0-100 ug/l	"J"	DL009,010,011,012,013014,015,016,017,-019 & FB-02
				DS031,-032,043 & -041
Lead	128%	5-120 ug/l	"J"	DL009,-017,019 & -012
Antimony	141%	38-240 ug/l	"J"	DS028, -031, 032, 034, -040, -018, & -041

A.2.2 (continuation):

ICP SERIAL DILUTION:

The following positive TAL inorganic data > 10 x IDL (or > CRDL when the CRDL is > 10 x IDL) were either qulaified as estimated "J" or rejected "red-lined" because the percent difference (%D) between the initial sample result (I) and the serial dilution sample result (S) is either between 10 - 100% or >100% when the concentration of I is > 10 x IDL.

ANALYTE	CONTROL LIMIT	% DIFFERENCE	QUALIFIER	ASSOCIATED SAMPLES
Aluminum	240.0 ug/l	16.0 %	"J"	DL018 & DL012
Zinc	50.0 ug/l	20.1 %	"J"	DL011, DL013, DL014, DL015, DL016, DL018, and DL012
Cobalt	70.0 ug/l	12.1 %	"J"	DL026, 027, 028, -029, -030, 032, 033, 035, 040, 036, 037, 038, 039, 043, 018, and -041

FIELD DUPLICATE ANALYSIS:

The following analytes were either qualified as estimated "J" or rejected "red-lined" in the associated field duplicate sample data because the relative percent difference (RPD) or Difference (Diff) between the sample (DS032) and the corresponding field duplicate sample (DS038) is out side the specificed QC criteria:

Analyte	RPD or Diff	Qualifier	Associated samples
Chromium	Diff > 2x CRDL	"J"	DS032 & DS038

Title: Evaluation of Inorganic Data for the Contract laboratory Program
Appendix A.2: Data Assessment Narrative

Date: Jan. 1992
Number: HW-2
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A.2.2 (continuation):

FIELD BLANK CONTAMINATION:

The following analytes were qualified as either estimated "J" or rejected "red-lined" due to Arsenic level in Field Blank was greater than CRDL.

Analyte	CRDL	Affectd Range	Qualifier	Associated Samples
Arsenic	46.0 ug/l	46-358	"R"	DL11, DL18 & DL12

MMB/ESAT Reviewer: _____ Signature _____ Date:

Contractor Reviewer: Amita Sumbaly Signature 05/30/95 Date:

Verified by: _____ Signature _____ Date:

OTHER ANALYTES WORK TABLE

Project: Bayonne Drum & Barrel Co

TAT PM: Heidemarie Adenau

Sampling Date: March 15, 1995

Sample #/Concentration (mg/kg)

METALS/CN ANALYTES	Instrument Detection Range	Sample ID DL009	Sample ID DL010	Sample ID DL011	Sample ID DL013	Sample ID DL014	Sample ID DL015
Percent Solids		100	100	100	100	100	100
Aluminum	24.0	U	4.9 B	8.8 B	3.4 B	2.3 B	4.0 B
Antimony	38.0	U	4.2 B	U	U	U	10.0
Arsenic	46.0	U	U	R	U	U	100.0
Barium	8.0	1.2 BJ	UJ	UJ	UJ	UJ	1.6 BJ
Beryllium	1.0	U	U	U	U	U	U
Cadmium	2.0	UJ	UJ	UJ	UJ	UJ	UJ
Calcium	649.0	U	U	U	U	U	U
Chromium	5.0	0.67 B	U	1.1	1.5	U	6.5
Cobalt	7.0	0.74 B	U	1.1 B	1.2 B	0.92 B	3.9 B
Copper	4.0	UJ	UJ	UJ	UJ	UJ	0.96 BJ
Iron	13.0	35.1	305.0	6850.0	3780.0	557.0	42600.0
Lead	30.0	3.5J	U	U	U	22.8	U
Magnesium	431.0	U	U	U	U	U	U
Manganese	1.0	0.62 B	1.9	13.6	15.1	10.7	178.0
Mercury	0.2	U	U	U	U	U	U
Nickel	27.0	U	U	U	U	U	4.9
Potassium	661.0	U	U	U	U	U	U
Selenium	76.0	R	R	R	R	R	R
Silver	6.0	U	U	1.3	0.72 B	U	U
Sodium	350.0	U	341.0 B	U	U	U	U
Thallium	5.0	UJ	UJ	UJ	UJ	UJ	UJ
Vanadium	15.0	U	U	1.5 B	U	U	7.8
Zinc	5.0	1.1 B	1.6 B	4.9J	6.3J	12.5J	14.8J
Cyanide		U	U	U	U	U	U

Inorganic Qualifiers

U – non-detected compound

J – estimated value

B – between the instrument detection limit (IDL) and the method detection limit (MDL)

R – rejected compound

OTHER ANALYTES WORK TABLE

Project: Bayonne Drum & Barrel Co

TAT PM: Heidemarie Adenau

Sampling Date: March 15, 1995

Sample #/Concentration (mg/kg)

METALS/CN ANALYTES	Instrument Detection Range	Sample ID DL016	Sample ID DL017	Sample ID DL018	Sample ID DL019	Sample ID DL012	Sample ID FB-02
Percent Solids		100	100	100	100	100	—
Aluminum	24.0	U	10.3 B	23.5J	U	42.9J	U
Antimony	38.0	U	U	45.0	U	U	U
Arsenic	46.0	67.9	U	R	U	R	71.6
Barium	8.0	UJ	UJ	1.0 BJ	UJ	682.0J	U
Beryllium	1.0	U	U	U	U	U	U
Cadmium	2.0	UJ	UJ	UJ	UJ	UJ	UJ
Calcium	649.0	U	U	110.0 B	U	772.0	U
Chromium	5.0	3.4	0.94	4.8	U	2.3	U
Cobalt	7.0	1.7 B	0.98 B	U	U	1.7 B	U
Copper	4.0	UJ	UJ	124.0	UJ	1.1 BJ	UJ
Iron	13.0	27800.0	1550.0	7020.0	487.0	3690.0	U
Lead	30.0	U	3.2J	4470.0	3.4J	9.3J	U
Magnesium	431.0	U	U	U	U	U	U
Manganese	1.0	115.0	8.2	43.3	2.6	99.4	U
Mercury	0.2	U	U	U	U	U	U
Nickel	27.0	3.7	U	4.1	U	U	U
Potassium	661.0	U	U	U	U	U	U
Selenium	76.0	R	R	R	R	R	162.0
Silver	6.0	U	U	2.8	U	U	U
Sodium	350.0	U	38.9 B	32.1 B	U	205.0 B	U
Thallium	5.0	UJ	UJ	UJ	UJ	UJ	U
Vanadium	15.0	5.3	U	1.3 B	U	U	U
Zinc	5.0	10.0J	1.0 B	9.3J	U	12.5J	U
Cyanide		U	U	U	U	U	U

Inorganic Qualifiers

U – non-detected compound

J – estimated value

B – between the instrument detection limit (IDL) and the method detection limit (MDL)

R – rejected compound

OTHER ANALYTES WORK TABLE

Project: Bayonne Drum & Barrel Co

TAT PM: Heidemarie Adenau

Sampling Date: March 15, 1995

Sample #/Concentration (mg/kg)

METALS/CN ANALYTES	Instrument Detection Range	Sample ID DS008	Sample ID DS009	Sample ID DS010	Sample ID DS011	Sample ID DS013	Sample ID DS014
Percent Solids		100	100	100	100	100	100
Aluminum	24.0	4390.0	1820.0	6580.0	5470.0	56900.0	8250.0
Antimony	38.0	246.0	20.9	474.0	8.7	50.3	129.0
Arsenic	46.0	119.0J	332.0J	74.1J	42.6J	237.0J	95.6J
Barium	8.0	2160.0	74.9	5770.0	322.0	3600.0	118.0
Beryllium	1.0	0.76	U	U	0.16 B	U	0.10 B
Cadmium	2.0	0.74	U	3.8	45.0	2420.0	55.3
Calcium	649.0	1180.0	355.0 B	1480.0	9440.0	199.0 B	122000.0
Chromium	5.0	47200.0	67.5	5980.0	1560.0	1700.0	413.0
Cobalt	7.0	7.4	23.1	39.5	11.4	154.0	3.3 B
Copper	4.0	1830.0J	64.9J	34.7J	265.0J	485.0J	4.4J
Iron	13.0	24800.0	280000.0	29700.0	19200.0	74500.0	50200.0
Lead	30.0	171000.0	U	28000.0	4800.0	10300.0	2090.0
Magnesium	431.0	U	2730.0	10600.0	3340.0	68.9 B	5480.0
Manganese	1.0	102.0J	1020.0J	147.0J	130.0J	314.0J	183.0J
Mercury	0.2	U	U	U	U	679.0	0.23
Nickel	27.0	56.0	74.5	111.0	20.5	219.0	8.2
Potassium	661.0	75.6 B	121.0 B	145.0 B	563.0	U	346.0 B
Selenium	76.0	R	R	R	R	R	R
Silver	6.0	1.2J	UJ	UJ	UJ	UJ	UJ
Sodium	350.0	523.0	122.0 B	978.0	378.0 B	316.0 B	2370.0
Thallium	5.0	UJ	UJ	UJ	UJ	UJ	UJ
Vanadium	15.0	U	65.3	U	15.0	U	7.2
Zinc	5.0	27500.0	235.0	659.0	1940.0	40.3	235.0
Cyanide		0.9	U	U	2.0	33.7	U

Inorganic Qualifiers

U – non-detected compound

J – estimated value

B – between the instrument detection limit (IDL) and the method detection limit (MDL)

R – rejected compound

OTHER ANALYTES WORK TABLE

Project: Bayonne Drum & Barrel Co

TAT PM: Heidemarie Adenau

Sampling Date: March 15, 1995

Sample #/Concentration (mg/kg)

METALS/CN ANALYTES	Instrument Detection Range	Sample ID DS015	Sample ID DS016	Sample ID DS017	Sample ID DS019	Sample ID DS020	Sample ID DS021
Percent Solids		100	100	100	100	100	100
Aluminum	24.0	53.1	198.0	531.0	23.7	2430.0	359.0
Antimony	38.0	U	60.5	159.0	U	30.9	U
Arsenic	46.0	U	765.0J	973.0J	12.1J	529.0J	U
Barium	8.0	2.0 B	287.0	311.0	61.5	102.0	U
Beryllium	1.0	U	U	0.17 B	U	U	U
Cadmium	2.0	0.27 B	36.5	U	0.73	13.8	0.48
Calcium	649.0	77.2 B	236.0 B	425.0 B	73.4 B	297.0 B	U
Chromium	5.0	0.95 B	263.0	41.5	3.9	299.0	0.47 B
Cobalt	7.0	U	64.5	44.2	U	22.4	U
Copper	4.0	2.6J	260.0J	192.0J	12.0J	144.0J	U
Iron	13.0	1960.0	457000.0	518000.0	4440.0	266000.0	88.4
Lead	30.0	324.0	3520.0	11500.0	21.9	1180.0	U
Magnesium	431.0	U	120.0 B	187.0 B	U	715.0	U
Manganese	1.0	7.6J	2340.0J	2230.0J	21.0J	1050.0J	0.54 BJ
Mercury	0.2	U	3.5	2.9	U	0.30	U
Nickel	27.0	U	167.0	46.6	U	39.7	U
Potassium	661.0	U	U	77.3 B	U	111.0 B	U
Selenium	76.0	R	R	R	R	R	R
Silver	6.0	UJ	UJ	UJ	UJ	UJ	UJ
Sodium	350.0	40.8 B	156.0 B	52.4 B	235.0	124.0 B	U
Thallium	5.0	UJ	UJ	UJ	UJ	UJ	UJ
Vanadium	15.0	U	67.4	79.0	U	42.4	U
Zinc	5.0	8.0	80.9	326.0	10.0	225.0	U
Cyanide		U	7.2	1.0	U	U	U

Inorganic Qualifiers

U – non-detected compound

J – estimated value

B – between the instrument detection limit (IDL) and the method detection limit (MDL)

R – rejected compound

OTHER ANALYTES WORK TABLE

Project: Bayonne Drum & Barrel Co

TAT PM: Heidemarie Adenau

Sampling Date: March 15, 1995

Sample #/Concentration (mg/kg)

METALS/CN ANALYTES	Instrument Detection Range	Sample ID DS022	Sample ID DS023	Sample ID DS024	Sample ID DS025	Sample ID DS012	Sample ID
Percent Solids		100	100	100	100	100	
Aluminum	24.0	4440.0	7690.0	4440.0	400.0	904.0	
Antimony	38.0	69.6	127.0	404.0	7.8	U	
Arsenic	46.0	179.0J	67.7J	153.0J	170.0J	24.2J	
Barium	8.0	809.0	421.0	3380.0	36.4	1260.0	
Beryllium	1.0	0.36 B	0.61	0.45 B	U	0.11 B	
Cadmium	2.0	307.0	56.9	1.1	0.51J	0.75J	
Calcium	649.0	46200.0	196.0 B	38100.0	191.0 B	2660.0	
Chromium	5.0	1650.0	20900.0	25400.0	12.0	126.0	
Cobalt	7.0	128.0	5.9	8.9	6.1	2.6 B	
Copper	4.0	6070.0J	14.1J	143.0J	U	32.0J	
Iron	13.0	136000.0	4410.0	38100.0	73900.0	8730.0	
Lead	30.0	2090.0	81300.0	113000.0	U	501.0	
Magnesium	431.0	10400.0	212.0 B	736.0	U	99.3 B	
Manganese	1.0	667.0J	18.4J	55.5J	325.0J	31.1J	
Mercury	0.2	8.1	U	U	U	U	
Nickel	27.0	452.0	9.4	U	12.3	U	
Potassium	661.0	845.0	U	320.0 B	U	487.0	
Selenium	76.0	R	R	R	R	R	
Silver	6.0	66.8J	UJ	UJ	UJ	UJ	
Sodium	350.0	2150.0	168.0 B	1230.0	146.0 B	492.0	
Thallium	5.0	UJ	UJ	UJ	UJ	UJ	
Vanadium	15.0	2.8 B	U	U	14.9	10.1	
Zinc	5.0	23900.0	85.9	1.3 B	11.6	834.0	
Cyanide		2.1	U	U	U	50.7	

Inorganic Qualifiers

U – non-detected compound

J – estimated value

B – between the instrument detection limit (IDL) and the method detection limit (MDL)

R – rejected compound

OTHER ANALYTES WORK TABLE

Project: Bayonne Drum & Barrel Co

TAT PM: Heidemarie Adenau

Sampling Date: March 15, 1995

Sample #/Concentration (mg/kg)

METALS/CN ANALYTES	Instrument Detection Range	Sample ID DS026	Sample ID DS027	Sample ID DS028	Sample ID DS029	Sample ID DS030	Sample ID DS031
Percent Solids		100	100	100	100	100	100
Aluminum	24.0	11.4 B	136.0	5880.0	12700.0	2730.0	5290.0
Antimony	38.0	117.0	139.0	7.3J	1880.0	104.0	3.9 BJ
Arsenic	46.0	2030.0J	1950.0J	123.0J	168.0J	807.0J	104.0J
Barium	8.0	5.4 B	22.8	6720.0	223.0	625.0	68.9
Beryllium	1.0	0.17 B	0.10 B	0.22 B	0.61	0.22 B	U
Cadmium	2.0	UJ	UJ	UJ	30.7	7.4	4.1
Calcium	649.0	U	205.0 B	134.0 B	7550.0	4040.0	565.0
Chromium	5.0	49.1	75.5	2140.0	7570.0	7840.0	28.0
Cobalt	7.0	73.1J	481.0J	15.5J	25.8J	18.1J	3.3 B
Copper	4.0	73.2	244.0	30.5	69.8	85.3	8.2J
Iron	13.0	494000.0	479000.0	20400.0	13000.0	196000.0	15800.0
Lead	30.0	U	U	4160.0	5930.0	7160.0	U
Magnesium	431.0	U	73.3 B	1710.0	1260.0	795.0	2820.0
Manganese	1.0	1350.0J	1340.0J	35.8J	516.0J	743.0J	32.5J
Mercury	0.2	U	1730.0	0.22	U	0.49	U
Nickel	27.0	82.4	80.6	12.1	22.9	35.4	5.9
Potassium	661.0	143.0 B	1380.0	99.5 B	892.0	434.0 B	U
Selenium	76.0	UJ	UJ	UJ	UJ	UJ	UJ
Silver	6.0	UJ	UJ	UJ	UJ	UJ	UJ
Sodium	350.0	U	378.0 B	126.0 B	513.0	227.0 B	207.0 B
Thallium	5.0	R	R	R	R	R	R
Vanadium	15.0	62.2	61.6	U	U	U	U
Zinc	5.0	29.1	294.0	1460.0	5130.0	3050.0	457.0
Cyanide		U	U	U	U	U	U

Inorganic Qualifiers

U – non-detected compound

J – estimated value

B – between the instrument detection limit (IDL) and the method detection limit (MDL)

R – rejected compound

OTHER ANALYTES WORK TABLE

Project: Bayonne Drum & Barrel Co

TAT PM: Heidemarie Adenau

Sampling Date: March 15, 1995

Sample #/Concentration (mg/kg)

METALS/CN ANALYTES	Instrument Detection Range	Sample ID DS032	Sample ID DS033	Sample ID DS034	Sample ID DS035	Sample ID DS036	Sample ID DS037
Percent Solids		100	100	100	100	100	100
Aluminum	24.0	178.0	1450.0	36000.0	1190.0	716.0	642.0
Antimony	38.0	20.8J	259.0	14.5J	97.4	59.3	61.9
Arsenic	46.0	184.0J	517.0J	233.0J	1270.0J	1150.0J	1150.0J
Barium	8.0	6100.0	379.0	3.9 B	38.4	38.3	34.0
Beryllium	1.0	U	0.52	U	U	U	U
Cadmium	2.0	UJ	44.5	UJ	UJ	74.1	81.7
Calcium	649.0	332.0 B	3960.0	82.7 B	U	734.0	748.0
Chromium	5.0	2.7 J	555.0	1.1	20.2	236.0	235.0
Cobalt	7.0	14.9J	29.4J	U	24.1J	54.6J	58.5J
Copper	4.0	1.6 BJ	142000.0	9.1	32.2	71400.0	76500.0
Iron	13.0	40900.0	130000.0	1470.0	316000.0	336000.0	323000.0
Lead	30.0	U	6190.0	25.1	U	U	U
Magnesium	431.0	45.0 B	1150.0	U	U	288.0 B	292.0 B
Manganese	1.0	15.3J	744.0J	5.7J	927.0J	86100.0J	85500.0J
Mercury	0.2	U	0.17	0.15	U	0.17	0.20
Nickel	27.0	U	1270.0	U	35.6	22.3	24.3
Potassium	661.0	U	367.0 B	U	89.2 B	193.0 B	158.0 B
Selenium	76.0	UJ	0.91J	UJ	UJ	10.1J	10.7J
Silver	6.0	UJ	UJ	1.7J	UJ	UJ	UJ
Sodium	350.0	137.0 B	613.0	26900.0	U	73.6 B	66.5 B
Thallium	5.0	R	R	R	R	R	R
Vanadium	15.0	7.7	U	U	41.7	39.1	37.9
Zinc	5.0	1.8 B	6560.0	24.4	U	583.0	580.0
Cyanide		U	U	U	U	U	U

Inorganic Qualifiers

U – non-detected compound

J – estimated value

B – between the instrument detection limit (IDL) and the method detection limit (MDL)

R – rejected compound

OTHER ANALYTES WORK TABLE

Project: Bayonne Drum & Barrel Co

TAT PM: Heidemarie Adenau

Sampling Date: March 15, 1995

Sample #/Concentration (mg/kg)

METALS/CN ANALYTES	Instrument Detection Range	Sample ID DS038	Sample ID DS039	Sample ID DS040	Sample ID DS041	Sample ID DS042	Sample ID DS043
Percent Solids		100	100	100	100	100	100
Aluminum	24.0	229.0	4420.0	2330.0	4090.0	3.4 B	U
Antimony	38.0	25.8	287.0	11.7J	13.7J	U	U
Arsenic	46.0	228.0J	143.0J	208.0J	151.0J	7.2J	U
Barium	8.0	2700.0	82.9	45900.0	66.1	U	U
Beryllium	1.0	U	0.55	0.19 B	U	U	U
Cadmium	2.0	UJ	0.68J	UJ	UJ	UJ	UJ
Calcium	649.0	408.0 B	20300.0	8770.0	157.0 B	U	54.8 B
Chromium	5.0	UJ	35200.0	626.0	488.0	1.6	0.83
Cobalt	7.0	8.9J	64.7J	106.0J	8.2J	U	93.3J
Copper	4.0	U	86.0	26.7	2.2J	U	0.62 BJ
Iron	13.0	51500.0	16400.0	11400.0	37000.0	705.0	910.0
Lead	30.0	U	148000.0	2080.0	1970.0	16.2	U
Magnesium	431.0	62.7 B	852.0	15100.0	610.0	U	U
Manganese	1.0	19.8J	98.0J	156.0J	106.0J	2.6J	78.7J
Mercury	0.2	U	U	U	U	U	U
Nickel	27.0	U	17.3	2050.0	5.1	U	U
Potassium	661.0	170.0 B	630.0	U	151.0 B	U	U
Selenium	76.0	UJ	UJ	UJ	UJ	UJ	UJ
Silver	6.0	UJ	UJ	UJ	UJ	UJ	0.60 BJ
Sodium	350.0	191.0 B	1290.0	309.0 B	53.4 B	U	U
Thallium	5.0	R	R	R	R	R	R
Vanadium	15.0	9.3	U	U	4.1	U	U
Zinc	5.0	0.97 B	2850.0	4810.0	58.8	1.2 B	8.6
Cyanide		1.1	U	2.1	U	U	U

Inorganic Qualifiers

U – non-detected compound

J – estimated value

B – between the instrument detection limit (IDL) and the method detection limit (MDL)

R – rejected compound

OTHER ANALYTES WORK TABLE

Project: Bayonne Drum & Barrel Co

TAT PM: Heidemarie Adenau

Sampling Date: March 15, 1995

Sample #/Concentration (mg/kg)

METALS/CN ANALYTES	Instrument Detection Range	Sample ID DS018					
Percent Solids		100					
Aluminum	24.0	1450.0					
Antimony	38.0	4.2 BJ					
Arsenic	46.0	74.4J					
Barium	8.0	4170.0					
Beryllium	1.0	U					
Cadmium	2.0	UJ					
Calcium	649.0	1870.0					
Chromium	5.0	11.1					
Cobalt	7.0	10.0J					
Copper	4.0	145.0					
Iron	13.0	18200.0					
Lead	30.0	U					
Magnesium	431.0	69.1 B					
Manganese	1.0	69.5J					
Mercury	0.2	U					
Nickel	27.0	7.7					
Potassium	661.0	465.0 B					
Selenium	76.0	UJ					
Silver	6.0	UJ					
Sodium	350.0	243.0 B					
Thallium	5.0	R					
Vanadium	15.0	11.3					
Zinc	5.0	838.0					
Cyanide		U					

Inorganic Qualifiers

U – non-detected compound

J – estimated value

B – between the instrument detection limit (IDL) and the method detection limit (MDL)

R – rejected compound

DUPLICATES

EPA SAMPLE NO.

DL015-DL016

Lab Name: Nytest Env. Services Contract: Weston/TAT

Lab Code: Nytest Case No.: 0441 SAS No.: — SDG No.: 23326

Matrix (soil/water): Soil Level (low/med): low

% Solids for Sample: 100% % Solids for Duplicate: 100%

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

Analyte	Control Limit	DL015 Sample (S)	C	DL016 Duplicate (D)	C	RPD	Q	M
Aluminum	±400	43.71	B		U	<2xCRDL		
Antimony	±120	110.43			U	<2xCRDL		
Arsenic	100%	1102.80		794.00		32.6%		
Barium	±400	18.10	B		U	<2xCRDL		
Beryllium			U		U	NC		
Cadmium			U		U	NC		
Calcium			U		U	NC		
Chromium		71.10		39.51				
Cobalt	±100	42.95	B	19.94	B	<2xCRDL		
Copper	±50	10.54	B		U	<2xCRDL		
Iron	100%	468130.00		325070.00		36.0%		
Lead			U		U	NC		
Magnesium			U		U	NC		
Manganese	100%	1959.70		1346.60		37.1%		
Mercury			U		U	NC		
Nickel	±30	54.23		42.99		<2xCRDL		
Potassium			U		U	NC		
Selenium			U		U	NC		
Silver			U		U	NC		
Sodium			U		U	NC		
Thallium			U		U	NC		
Vanadium	±100	86.26		61.87		<2xCRDL		
Zinc	100%	162.66		117.03		32.6%		
Cyanide			U		U	NC		

DUPLICATES

EPA SAMPLE NO.

DS032 & DS038

Lab Name: NYTEST ENV. INC. Contract: Weston/TAT

Lab Code: NYTEST Case No.: 0441 SAS No.: — SDG No.: 23328

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

% Solids for Sample: 100% % Solids for Duplicate: 100%

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

Analyte	Control Limit	DS032 Sample (S)	C	DS038 Duplicate (D)	C	RPD	Q	M
Aluminum	100%	1837.20		2697.90		38%		
Antimony	±120	214.45		304.86		35%		
Arsenic	100%	1892.90		2686.80		35%		
Barium	100%	62865.00		31853.00		65%		
Beryllium			U		U	NC		
Cadmium			U		U	NC		
Calcium		3415.20		4818.50		34.1%		
Chromium	±20	27.51			U	<2xCRDL		*
Cobalt	±100	153.18		105.20		<2xCRDL		
Copper	±50	16.09			U	<2xCRDL		
Iron	100%	420825.00		607350.00		36%		
Lead			U		U	NC		
Magnesium	±10,000	463.74	B	739.48	B	<2xCRDL		
Manganese	100%	157.44		234.13		39.2%		
Mercury			U		U	NC		
Nickel			U		U	NC		
Potassium	±10000		U	2004.50	B	<2xCRDL		
Selenium			U		U	NC		
Silver			U		U	NC		
Sodium	±10000	1406.70	B	2250.70	B	<2xCRDL		
Thallium			U		U	NC		
Vanadium	±100	79.06		109.40		32.2%		
Zinc	±40	18.94	B	11.39	B	<2xCRDL		
Cyanide			U		U	NC		

DUPLICATES

EPA SAMPLE NO.

DS036 & DS037

Lab Name: NYtest ENV. INCORP. Contract: WESTON/TAT

Lab Code: NYtest Case No.: 0441 SAS No.: — SDG No.: 23328

Matrix (soil/water): Soil Level (low/med): low

% Solids for Sample: 100% % Solids for Duplicate: 100%

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

Analyte	Control Limit	DS 036 Sample (S)	C	DS037 Duplicate (D)	C	RPD	Q	M
Aluminum	100%	7446.60		7322.70		1.7%		
Antimony	100%	617.20		706.11		13.4%		
Arsenic	100%	11,982.00		13,118.00		9.0%		
Barium	±400	398.12		387.45		2.7%		
Beryllium			U		U	NC		
Cadmium	100%	770.57		931.87		18.9%		
Calcium	±10,000	7635.90		8527.10		<2xCRDL		
Chromium	100%	2449.20		2676.30		8.9%		
Cobalt	100%	567.61		667.20		16.1%		
Copper	100%	742650.00		871850.00		16.0%		
Iron	100%	3497600.00		3680900.00		5.1%		
Lead			U		U	NC		
Magnesium	±10,000	2995.50	B	3333.90	B	<2xCRDL		
Manganese	100%	895500.00		974250.00		8.4%		
Mercury	±0.4	0.34		0.40		<2xCRDL		
Nickel	100%	232.36		277.03		17.5%		
Potassium	±10,000	2004.50	B	1797.10	B	<2xCRDL		
Selenium	100%	109.20		116.10		6.1%		
Silver			U		U	NC		
Sodium	±10,000	765.87	B	758.06	B	<2xCRDL		
Thallium			U		U	NC		
Vanadium	100%	407.07		432.05		6.0%		
Zinc	100%	6060.20		6610.20		8.7%		
Cyanide			U		U	NC		

SDG Narrative

NARRATIVE DISCUSSION
GENERAL COMMENT - 23326

SDG NO. RFP1

All samples are listed on the chain of custody documents as (miscellaneous) liquids and were confirmed as such by NEI. Results for the Organic data lists all samples as waters (ug/l), with the following exception:

Due to the nature of the sample matrix, Volatile analysis of sample DL012 was performed at a medium level dilution and, subsequently, listed as a soil (ug/kg).

All Inorganic analyses, with the exception of the field blank, were performed as soils.

Results for samples DS012 and DS018, listed on the chain of custody document, will be reported with NEI Login No's 23327 and 23228, respectively.

CHAIN OF CUSTODY RECORD

Address verbal and written results to the attention of Smita Sumbaiy, Analytical Coordinator.

RFP #: 044.

PO #: 16-3805

Page 2 of 2

Name of Unit and Address:

WESTON Suite 201 1090 King Georges Post Road, Edison, New Jersey 08837-3703 908-225-6116 • Fax 908-225-7037

Sample Number	Number of Containers	Description of Samples
BB-DS-036	2	1x8oz glass jar for TCL-VOA/BNA/PCB/Pesticide analysis; 1x8oz glass jar for TAL-Metals/Cyanide analysis.
BB-DS-037	2	same as above
BB-DS-038	2	same as above
BB-DS-039	2	same as above
BB-DS-030	2	same as above
BB-DS-031	2	same as above
BB-DS-032	2	same as above
BB-DS-033	2	same as above
BB-DS-034	2	same as above
BB-DS-035	2	same as above
BB-DS-036	2	same as above — Field Dups — Field Dups.
BB-DS-037	2	same as above
BB-DS-038	2	same as above
BB-DS-039	2	same as above
BB-DS-040	2	same as above
BB-DS-041	2	same as above
BB-DS-042	2	same as above
BB-DS-043	2	same as above

18 of 8 samples total

Person Assuming Responsibility for Sample: Mark Anthony Denno — Time: 1000 — Date: 3/15/95

Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
All	Mark A. Denno	Smita Sumbaiy	1105	3/15	Laboratory Analysis
All	Smita Sumbaiy	[illegible]	3/15/95	[illegible]	[illegible]
	[illegible]	Rei Pavelis	[illegible]	3/16/95	Rec'd for NEI [illegible]

000012

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Foster Wheeler USA Corporation, Resource Applications, Inc., C.C. Johnson & Malhotra, P.C., R.E. Sarriera Associates, and CRR Environmental Services, Inc.

Page No.

Address verbal and written results
to the attention of Smita Sumbaly,
Analytical Coordinator.

RFP #: 0441

PO #: 16-3805

Page 1 of 2

Name of Unit and Address:

WESTON
MANAGERS DESIGNERS/CONSULTANTS

Suite 201
1090 King Georges Post Road, Edison, New Jersey 08837-3703
908-225-6116 • Fax 908-225-7037

Sample Number	Number of Containers	Description of Samples
BB-DS-008	2	1x8oz glass jar for TCL-VOA/BNA/PCB/Pesticide analysis; 1x8oz glass jar for TAL-Metals/Cyanide analysis.
BB-DS-009	2	Same as above
BB-DS-010	2	Same as above
BB-DS-011	2	Same as above
BB-DS-013	2	Same as above
BB-DS-014	2	Same as above
BB-DS-015	2	Same as above
BB-DS-016	2	Same as above
BB-DS-017	2	Same as above
BB-DS-019	2	Same as above
BB-DS-020	2	Same as above
BB-DS-021	2	Same as above
BB-DS-022	2	Same as above
BB-DS-023	2	Same as above
BB-DS-024	2	Same as above
BB-DS-025	2	Same as above

16

Person Assuming Responsibility for Sample: Mark Anthony Denno — Time: 1000 — Date: 3/15/95

Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
All	Mark A. Denno	Smita Sumbaly	1105	3/15	Laboratory Analysis
All	Smita Sumbaly	[illegible]	11:55	3/15/95	Pick up
	[illegible]	Pier Pello	7p	3/15/95	Drop off Rec'd for NEI (P)

00011

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Foster Wheeler USA Corporation, Resource Applications, Inc., C.C. Johnson & Malhotra, P.C., R.E. Sarriera Associates, and GRB Environmental Services, Inc.

Page No.

Address verbal and written results
to the attention of Smita Sumbaly,
Analytical Coordinator.

RFP #: 0441

PO #: 16-3805

DS-36+37 Dup
DL 15+16 Dup.

Name of Unit and Address: DS 32+38 Dup

WESTON MANAGERS DESIGNERS/CONSULTANTS

Suite 201
1090 King Georges Post Road, Edison, New Jersey 08837-3703
908-225-6116 • Fax 908-225-7037

Sample Number	Number of Containers	Description of Samples
BB-DL-009	2	1x8oz glass jar for TCL-VOA/BNA/PCB/Pesticide analysis; 1x8oz glass jar for TAL-Metals/Cyanide analysis; all liquid; low/medium concentration
BB-DL-010	2	same as above
BB-DL-011	2	same as above
BB-DL-013	2	same as above
BB-DL-014	2	same as above
BB-DL-015	2	same as above } Field Dups
BB-DL-016	2	same as above }
BB-DL-017	2	same as above
BB-DL-018	2	same as above
BB-DL-019	2	same as above
10		

Person Assuming Responsibility for Sample: Mark Anthony Denno — Time: 1000 — Date: 3/15/95

Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
All	Mark A. Denno	Smita Sumbaly	1105	3/15	Laboratory Analysis
	Smita Sumbaly	J. Tyk	[illegible]	3/15/95	[illegible]
	J. Tyk	Fran Tenuelo	3/15/95	2:15	Drop off Rec'd for NEI (P)

Roy F. Weston, Inc.
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Address verbal and written results
to the attention of Smita Sumbaly,
Analytical Coordinator.

RFP #: 0441

PO #: 16-3805

Name of Unit and Address

WESTON
MANAGERS DESIGNERS/CONSULTANTS

Suite 201
1090 King Georges Post Road, Edison, New Jersey 08837-3703
908-225-6116 • Fax 908-225-7037

Sample Number	Number of Containers	Description of Samples
BB-FB-02	8	2x40mL vials for TCL-VOA fraction; 4x1L amber bottles for TCL-BNA/PCB/Pest fractions; 1x1L poly bottle for TAL-Metals fraction; 1x1L poly bottle for TAL-Cyanide analysis; all aqueous; all low concentration.
BB-DS-012	6	3x8oz glass jars for TCL-VOA/BNA/PCB/Pest. analysis; 3x8oz glass jars for TAL-Metals, Cyanide analysis; all solid/sludge; all medium/high concentration; includes MS and MSD
BB-DS-018	6	same as above
~~BB-DL-012~~	~~6~~	~~3x8oz glass jars for TCL-VOA/BNA/PCB/Pest analysis; 3x8oz glass jars for TAL-Metals, Cyanide analysis; all liquid; low/medium concentration includes MS and MSD.~~
	4	

Person Assuming Responsibility for Sample: Mark Anthony Denac — Time: 1000 — Date: 3/15/95

Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
All	Mark A. Denac	Smita Sumbaly	1105	3/15	Laboratory Analysis
	Smita Sumbaly	J. [illegible]	11:05	3/15/95	Pick up
	J. [illegible]	[illegible]	2:15	3/15/95	drop off REC'D FOR NEI (??)

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Inorganic Data – Metals

NYTEST ENVIRONMENTAL INC.

Lab Name: NYTEST_ENV_INC.
Lab Code: NYTEST
QC REPORT No.: 23328

Contract: 9521613
Login No.: 23328

Sample No.	Lab Sample ID
DS018	332819
DS018D	332820D
DS018S	332821S
DS026	332801
DS027	332802
DS028	332803
DS029	332804
DS030	332805
DS031	332806
DS032	332807
DS033	332808
DS034	332809
DS035	332810
DS036	332811
DS037	332812
DS038	332813
DS039	332814
DS040	332815
DS041	332816
DS042	332817

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name: Remo Gigante

Date: 3/3/95 Title: Executive VP

NEI FORM 1 - 1/94

NYTEST ENVIRONMENTAL INC.

Lab Name: NYTEST_ENV_INC.
Lab Code: NYTEST
QC REPORT No.: 23328_

Contract: 9521613
Login No.: 23328_

Sample No.	Lab Sample ID
DS043	332818

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Remo Gigante Name: Remo Gigante

Date: 3/31/95 Title: Executive VP

NEI FORM 1 - 1/94

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS026

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL Lab Sample ID: 332801

Level (low/high) : LOW Date Received: 03/15/95

Percent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11.4	B	*	P
7440-36-0	Antimony	117			P
7440-38-2	Arsenic	2030		N*J	P
7440-39-3	Barium	5.4	B		P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	0.19	U	J	P
7440-70-2	Calcium	61.2	U		P
7440-47-3	Chromium	49.1			P
7440-48-4	Cobalt	73.1		J	P
7440-50-8	Copper	73.2		*	P
7439-89-6	Iron	494000		*	P
7439-92-1	Lead	2.8	U	*	P
7439-95-4	Magnesium	40.7	U		P
7439-96-5	Manganese	1350		N*J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	82.4			P
7440-09-7	Potassium	143	B		P
7782-49-2	Selenium	0.41	U	N J	F
7440-22-4	Silver	0.57	U	N J	P
7440-23-5	Sodium	33.0	U		P
7440-28-0	Thallium	~~11.7~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	62.2			P
7440-66-6	Zinc	29.1			P

CODES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric

Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

DS026 IRON AT A 50X DILUTION

MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS027

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332802
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	136		*	P
7440-36-0	Antimony	139			P
7440-38-2	Arsenic	1950		N* J	P
7440-39-3	Barium	22.8			P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	0.19	U	J	P
7440-70-2	Calcium	205	B		P
7440-47-3	Chromium	75.5			P
7440-48-4	Cobalt	481		J	P
7440-50-8	Copper	244		*	P
7439-89-6	Iron	479000		*	P
7439-92-1	Lead	2.8	U	*	P
7439-95-4	Magnesium	73.3	B		P
7439-96-5	Manganese	1340		N* J	P
7439-97-6	Mercury	1730			CV
7440-02-0	Nickel	80.6			P
7440-09-7	Potassium	1380			P
7782-49-2	Selenium	0.46	U	N J	F
7440-22-4	Silver	0.57	U	N J	P
7440-23-5	Sodium	378	B		P
7440-28-0	Thallium	~~11.7~~	U	N	P
7440-62-2	Vanadium	61.6			P
7440-66-6	Zinc	294			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS027 IRON_AT_A_50X_DILUTION
MERCURY_AT_A_1000X_DILUTION
MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS028

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332803
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5880		*	P
7440-36-0	Antimony	7.3		J	P
7440-38-2	Arsenic	123		N*J	P
7440-39-3	Barium	6720			P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	0.15	U	J	P
7440-70-2	Calcium	134	B		P
7440-47-3	Chromium	2140			P
7440-48-4	Cobalt	15.5		J	P
7440-50-8	Copper	30.5		*	P
7439-89-6	Iron	20400		*	P
7439-92-1	Lead	4160		*	P
7439-95-4	Magnesium	1710			P
7439-96-5	Manganese	35.8		N*J	P
7439-97-6	Mercury	0.22			CV
7440-02-0	Nickel	12.1			P
7440-09-7	Potassium	99.5	B		P
7782-49-2	Selenium	0.48	U	N J	F
7440-22-4	Silver	0.45	U	N J	P
7440-23-5	Sodium	126	B		P
7440-28-0	Thallium	~~9.4~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	1460			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS028 BARIUM, IRON : AT A 5X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS029

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332804
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12700		*	P
7440-36-0	Antimony	1880			P
7440-38-2	Arsenic	168		N*J	P
7440-39-3	Barium	223			P
7440-41-7	Beryllium	0.61			P
7440-43-9	Cadmium	30.7			P
7440-70-2	Calcium	7550			P
7440-47-3	Chromium	7570			P
7440-48-4	Cobalt	25.8		J	P
7440-50-8	Copper	69.8		*	P
7439-89-6	Iron	13000		*	P
7439-92-1	Lead	5930		*	P
7439-95-4	Magnesium	1260			P
7439-96-5	Manganese	516		N*J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	22.9			P
7440-09-7	Potassium	892			P
7782-49-2	Selenium	0.45	U	N J	F
7440-22-4	Silver	0.55	U	N J	P
7440-23-5	Sodium	513			P
7440-28-0	Thallium	~~11.3~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	1.4	U		P
7440-66-6	Zinc	5130			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS029

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS030

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL Lab Sample ID: 332805
Level (low/high) : LOW Date Received: 03/15/95
Percent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2730		*	P
7440-36-0	Antimony	104			P
7440-38-2	Arsenic	807		N*J	P
7440-39-3	Barium	625			P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	7.4			P
7440-70-2	Calcium	4040			P
7440-47-3	Chromium	7840			P
7440-48-4	Cobalt	18.1		J	P
7440-50-8	Copper	85.3		*	P
7439-89-6	Iron	196000		*	P
7439-92-1	Lead	7160		*	P
7439-95-4	Magnesium	795			P
7439-96-5	Manganese	743		N*J	P
7439-97-6	Mercury	0.49			CV
7440-02-0	Nickel	35.4			P
7440-09-7	Potassium	434	B		P
7782-49-2	Selenium	0.43	U	N J	F
7440-22-4	Silver	0.57	U	N J	P
7440-23-5	Sodium	227	B		P
7440-28-0	Thallium	~~11.8~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	1.4	U		P
7440-66-6	Zinc	3050			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS030 IRON_AT_A_50X_DILUTION
MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS031

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332806
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5290		*	P
7440-36-0	Antimony	3.9	B	J	P
7440-38-2	Arsenic	104		N* J	P
7440-39-3	Barium	68.9			P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	4.1			P
7440-70-2	Calcium	565			P
7440-47-3	Chromium	28.0			P
7440-48-4	Cobalt	3.3	B		P
7440-50-8	Copper	8.2		* J	P
7439-89-6	Iron	15800		*	P
7439-92-1	Lead	2.7	U	*	P
7439-95-4	Magnesium	2820			P
7439-96-5	Manganese	32.5		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.9			P
7440-09-7	Potassium	59.0	U		P
7782-49-2	Selenium	0.42	U	N J	F
7440-22-4	Silver	0.54	U	N J	P
7440-23-5	Sodium	207	B		P
7440-28-0	Thallium	~~11.1~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	457			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS031

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS032

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332807
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	178		*	P
7440-36-0	Antimony	20.8		J	P
7440-38-2	Arsenic	184		N*J	P
7440-39-3	Barium	6100			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.19	U	J	P
7440-70-2	Calcium	332	B		P
7440-47-3	Chromium	2.7		J	P
7440-48-4	Cobalt	14.9		J	P
7440-50-8	Copper	1.6	B	*J	P
7439-89-6	Iron	40900		*	P
7439-92-1	Lead	2.9	U	*	P
7439-95-4	Magnesium	45.0	B		P
7439-96-5	Manganese	15.3		N*J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.6	U		P
7440-09-7	Potassium	64.2	U		P
7782-49-2	Selenium	0.41	U	NJ	F
7440-22-4	Silver	0.58	U	NJ	P
7440-23-5	Sodium	137	B		P
7440-28-0	Thallium	~~12.0~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	7.7			P
7440-66-6	Zinc	1.8	B		P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS032 BARIUM, IRON : AT A 5X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS033

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332808
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1450		*	P
7440-36-0	Antimony	259			P
7440-38-2	Arsenic	517		N*J	P
7440-39-3	Barium	379			P
7440-41-7	Beryllium	0.52			P
7440-43-9	Cadmium	44.5			P
7440-70-2	Calcium	3960			P
7440-47-3	Chromium	555			P
7440-48-4	Cobalt	29.4		J	P
7440-50-8	Copper	142000		*	P
7439-89-6	Iron	130000		*	P
7439-92-1	Lead	6190		*	P
7439-95-4	Magnesium	1150			P
7439-96-5	Manganese	744		N*J	P
7439-97-6	Mercury	0.17			CV
7440-02-0	Nickel	1270			P
7440-09-7	Potassium	367	B		P
7782-49-2	Selenium	0.91		N J	F
7440-22-4	Silver	0.53	U	N J	P
7440-23-5	Sodium	613			P
7440-28-0	Thallium	~~11.0~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	6560			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS033 COPPER, IRON : AT A 50X DILUTION

MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS034

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332809
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	36000		*	P
7440-36-0	Antimony	14.5		J	P
7440-38-2	Arsenic	233		N*J	P
7440-39-3	Barium	3.9	B		P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.17	U	J	P
7440-70-2	Calcium	82.7	B		P
7440-47-3	Chromium	1.1			P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	9.1		*	P
7439-89-6	Iron	1470		*	P
7439-92-1	Lead	25.1		*	P
7439-95-4	Magnesium	36.8	U		P
7439-96-5	Manganese	5.7		N*J	P
7439-97-6	Mercury	0.15			CV
7440-02-0	Nickel	2.3	U		P
7440-09-7	Potassium	56.5	U		P
7782-49-2	Selenium	0.48	U	N J	F
7440-22-4	Silver	1.7		N J	P
7440-23-5	Sodium	26900			P
7440-28-0	Thallium	~~18.6~~		~~N~~	P
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	24.4			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS034

MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS035

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332810
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1190		*	P
7440-36-0	Antimony	97.4			P
7440-38-2	Arsenic	1270		N* J	P
7440-39-3	Barium	38.4			P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.16	U	J	P
7440-70-2	Calcium	52.3	U		P
7440-47-3	Chromium	20.2			P
7440-48-4	Cobalt	24.1		J	P
7440-50-8	Copper	32.2		*	P
7439-89-6	Iron	316000		*	P
7439-92-1	Lead	2.4	U	*	P
7439-95-4	Magnesium	34.8	U		P
7439-96-5	Manganese	927		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	35.6			P
7440-09-7	Potassium	89.2	B		P
7782-49-2	Selenium	0.46	U	N J	F
7440-22-4	Silver	0.48	U	N J	P
7440-23-5	Sodium	28.2	U		P
7440-28-0	Thallium	~~10.0~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	41.7			P
7440-66-6	Zinc	0.40	U		P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS035 IRON AT A 50X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS036

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL Lab Sample ID: 332811
Level (low/high) : LOW Date Received: 03/15/95
Percent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	716		*	P
7440-36-0	Antimony	59.3			P
7440-38-2	Arsenic	1150		N*J	P
7440-39-3	Barium	38.3			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	74.1			P
7440-70-2	Calcium	734			P
7440-47-3	Chromium	236			P
7440-48-4	Cobalt	54.6		J	P
7440-50-8	Copper	71400		*	P
7439-89-6	Iron	336000		*	P
7439-92-1	Lead	2.9	U	*	P
7439-95-4	Magnesium	288	B		P
7439-96-5	Manganese	86100		N*J	P
7439-97-6	Mercury	0.17			CV
7440-02-0	Nickel	22.3			P
7440-09-7	Potassium	193	B		P
7782-49-2	Selenium	10.1		N J	F
7440-22-4	Silver	0.58	U	N J	P
7440-23-5	Sodium	73.6	B		P
7440-28-0	Thallium	~~11.9~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	39.1			P
7440-66-6	Zinc	583			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS036 COPPER, IRON, MANGANESE : AT A 50X DILUTION
SELENIUM AT A 2X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS037

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332812
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	642		*	P
7440-36-0	Antimony	61.9			P
7440-38-2	Arsenic	1150		N*J	P
7440-39-3	Barium	34.0			P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	81.7			P
7440-70-2	Calcium	748			P
7440-47-3	Chromium	235			P
7440-48-4	Cobalt	58.5		J	P
7440-50-8	Copper	76500		*	P
7439-89-6	Iron	323000		*	P
7439-92-1	Lead	2.6	U	*	P
7439-95-4	Magnesium	292	B		P
7439-96-5	Manganese	85500		N*J	P
7439-97-6	Mercury	0.20			CV
7440-02-0	Nickel	24.3			P
7440-09-7	Potassium	158	B		P
7782-49-2	Selenium	10.7		N J	F
7440-22-4	Silver	0.53	U	N J	P
7440-23-5	Sodium	66.5	B		P
7440-28-0	Thallium	~~10.9~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	37.9			P
7440-66-6	Zinc	580			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS037 COPPER, IRON, MANGANESE : AT A 50X DILUTION
SELENIUM AT A 2X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS038

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332813
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	229		*	P
7440-36-0	Antimony	25.8			P
7440-38-2	Arsenic	228		N* J	P
7440-39-3	Barium	2700			P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.17	U	J	P
7440-70-2	Calcium	408	B		P
7440-47-3	Chromium	0.42	U	J	P
7440-48-4	Cobalt	8.9		J	P
7440-50-8	Copper	0.34	U	*	P
7439-89-6	Iron	51500		*	P
7439-92-1	Lead	2.5	U	*	P
7439-95-4	Magnesium	62.7	B		P
7439-96-5	Manganese	19.8		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.3	U		P
7440-09-7	Potassium	170	B		P
7782-49-2	Selenium	0.46	U	N J	F
7440-22-4	Silver	0.51	U	N J	P
7440-23-5	Sodium	191	B		P
7440-28-0	Thallium	~~10.5~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	9.3			P
7440-66-6	Zinc	0.97	B		P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS038 IRON AT A 5X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS039

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332814
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4420		*	P
7440-36-0	Antimony	287			P
7440-38-2	Arsenic	143		N*J	P
7440-39-3	Barium	82.9			P
7440-41-7	Beryllium	0.55			P
7440-43-9	Cadmium	0.68		J	P
7440-70-2	Calcium	20300			P
7440-47-3	Chromium	35200			P
7440-48-4	Cobalt	64.7		J	P
7440-50-8	Copper	86.0		*	P
7439-89-6	Iron	16400		*	P
7439-92-1	Lead	148000		*	P
7439-95-4	Magnesium	852			P
7439-96-5	Manganese	98.0		N*J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	17.3			P
7440-09-7	Potassium	630			P
7782-49-2	Selenium	0.46	U	N J	F
7440-22-4	Silver	0.59	U	N J	P
7440-23-5	Sodium	1290			P
7440-28-0	Thallium	~~12.2~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	1.5	U		P
7440-66-6	Zinc	2850			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS039 CHROMIUM, LEAD : AT A 50X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS040

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332815
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2330		*	P
7440-36-0	Antimony	11.7		J	P
7440-38-2	Arsenic	208		N* J	P
7440-39-3	Barium	45900			P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.19	U	J	P
7440-70-2	Calcium	8770			P
7440-47-3	Chromium	626			P
7440-48-4	Cobalt	106		J	P
7440-50-8	Copper	26.7		*	P
7439-89-6	Iron	11400		*	P
7439-92-1	Lead	2080		*	P
7439-95-4	Magnesium	15100			P
7439-96-5	Manganese	156		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2050			P
7440-09-7	Potassium	61.8	U		P
7782-49-2	Selenium	0.46	U	N J	F
7440-22-4	Silver	0.56	U	N J	P
7440-23-5	Sodium	309	B		P
7440-28-0	Thallium	~~11.6~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	1.4	U		P
7440-66-6	Zinc	4810			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS040 BARIUM AT A 50X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS041

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL Lab Sample ID: 332816
Level (low/high) : LOW Date Received: 03/15/95
Percent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4090		*	P
7440-36-0	Antimony	13.7		J	P
7440-38-2	Arsenic	151		N* J	P
7440-39-3	Barium	66.1			P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.16	U	J	P
7440-70-2	Calcium	157	B		P
7440-47-3	Chromium	488			P
7440-48-4	Cobalt	8.2		J	P
7440-50-8	Copper	2.2		* J	P
7439-89-6	Iron	37000		*	P
7439-92-1	Lead	1970		*	P
7439-95-4	Magnesium	610			P
7439-96-5	Manganese	106		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.1			P
7440-09-7	Potassium	151	B		P
7782-49-2	Selenium	0.46	U	N J	F
7440-22-4	Silver	0.47	U	N J	P
7440-23-5	Sodium	53.4	B		P
7440-28-0	Thallium	~~9.7~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	4.1			P
7440-66-6	Zinc	58.8			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS041 IRON AT A 50X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS042

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332817
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3.4	B	*	P
7440-36-0	Antimony	3.8	U		P
7440-38-2	Arsenic	7.2		N* J	P
7440-39-3	Barium	0.79	U		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.20	U	J	P
7440-70-2	Calcium	64.3	U		P
7440-47-3	Chromium	1.6			P
7440-48-4	Cobalt	0.69	U		P
7440-50-8	Copper	0.40	U	*	P
7439-89-6	Iron	705		*	P
7439-92-1	Lead	16.2		*	P
7439-95-4	Magnesium	42.7	U		P
7439-96-5	Manganese	2.6		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.7	U		P
7440-09-7	Potassium	65.4	U		P
7782-49-2	Selenium	0.43	U	N J	F
7440-22-4	Silver	0.59	U	N J	P
7440-23-5	Sodium	34.7	U		P
7440-28-0	Thallium	~~12.3~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	1.5	U		P
7440-66-6	Zinc	1.2	B		P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS042

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS043

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332818
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1.9	U	*	P
7440-36-0	Antimony	2.9	U		P
7440-38-2	Arsenic	3.6	U	N*	P
7440-39-3	Barium	0.62	U		P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.16	U	J	P
7440-70-2	Calcium	54.8	B		P
7440-47-3	Chromium	0.83			P
7440-48-4	Cobalt	93.3		J	P
7440-50-8	Copper	0.62	B	* J	P
7439-89-6	Iron	910		*	P
7439-92-1	Lead	2.3	U	*	P
7439-95-4	Magnesium	33.4	U		P
7439-96-5	Manganese	78.7		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.1	U		P
7440-09-7	Potassium	51.2	U		P
7782-49-2	Selenium	0.38	U	N J	F
7440-22-4	Silver	0.60	B	N J	P
7440-23-5	Sodium	27.1	U		P
7440-28-0	Thallium	~~9.6~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	1.2	U		P
7440-66-6	Zinc	8.6			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS043

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS018

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23328 QC Report No.23328

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332819
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1450		*	P
7440-36-0	Antimony	4.2	B	J	P
7440-38-2	Arsenic	74.4		N* J	P
7440-39-3	Barium	4170			P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.19	U	J	P
7440-70-2	Calcium	1870			P
7440-47-3	Chromium	11.1			P
7440-48-4	Cobalt	10.0		J	P
7440-50-8	Copper	145		*	P
7439-89-6	Iron	18200		*	P
7439-92-1	Lead	2.8	U	*	P
7439-95-4	Magnesium	69.1	B		P
7439-96-5	Manganese	69.5		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	7.7			P
7440-09-7	Potassium	465	B		P
7782-49-2	Selenium	0.45	U	N J	F
7440-22-4	Silver	0.56	U	N J	P
7440-23-5	Sodium	243	B		P
7440-28-0	Thallium	~~11.6~~	~~U~~	~~N~~	P
7440-62-2	Vanadium	11.3			P
7440-66-6	Zinc	838			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS018

MG/KG_AS_RECEIVED

Inorganic Data – Metals

NYTEST ENVIRONMENTAL INC.

Lab Name: NYTEST_ENV_INC.
Lab Code: NYTEST
QC REPORT No.: 23326

Contract: 9521613
Login No.: 23326

Sample No.	Lab Sample ID
DL009	332601
DL010	332602
DL011	332603
DL012	332611
DL012D	332612D
DL012S	332613S
DL013	332604
DL014	332605
DL015	332606
DL016	332607
DL017	332608
DL018	332609
DL019	332610
FB-02	332614

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Remo Gigante Name: Remo Gigante

Date: 3/31/95 Title: Executive VP

NEI FORM 1 - 1/94

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DL009

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23326 QC Report No.23326

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332601
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2.3	U		P
7440-36-0	Antimony	3.7	U		P
7440-38-2	Arsenic	4.4	U		P
7440-39-3	Barium	1.2	B	N J	P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.19	U	J	P
7440-70-2	Calcium	62.4	U		P
7440-47-3	Chromium	0.67	B		P
7440-48-4	Cobalt	0.74	B		P
7440-50-8	Copper	0.38	U	J	P
7439-89-6	Iron	35.1			P
7439-92-1	Lead	3.5		* J	P
7439-95-4	Magnesium	41.4	U		P
7439-96-5	Manganese	0.62	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.6	U		P
7440-09-7	Potassium	63.6	U		P
7782-49-2	Selenium	~~19.3~~		N*	P
7440-22-4	Silver	0.58	U		P
7440-23-5	Sodium	33.7	U		P
7440-28-0	Thallium	0.42	U	N J	F
7440-62-2	Vanadium	1.4	U		P
7440-66-6	Zinc	1.1	B		P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DL009

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DL010

ab Name: NYTEST_ENV_INC. Contract: 9521613

ab Code: NYTEST Login No.: 23326 QC Report No.23326

Matrix (soil/water): SOIL
Level (low/high) : LOW
ercent Solids : 100.0

Lab Sample ID: 332602
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4.9	B		P
7440-36-0	Antimony	4.2	B		P
7440-38-2	Arsenic	4.2	U		P
7440-39-3	Barium	0.73	U	N J	P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.18	U	J	P
7440-70-2	Calcium	59.5	U		P
7440-47-3	Chromium	0.46	U		P
7440-48-4	Cobalt	0.64	U		P
7440-50-8	Copper	0.37	U	J	P
7439-89-6	Iron	305			P
7439-92-1	Lead	2.8	U	*	P
7439-95-4	Magnesium	39.5	U		P
7439-96-5	Manganese	1.9			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.5	U		P
7440-09-7	Potassium	60.6	U		P
7782-49-2	Selenium	~~7.7~~		N*	P
7440-22-4	Silver	0.55	U		P
7440-23-5	Sodium	341	B		P
7440-28-0	Thallium	0.43	U	N J	F
7440-62-2	Vanadium	1.4	U		P
7440-66-6	Zinc	1.6	B		P

ODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DL010

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DL011

ab Name: NYTEST_ENV_INC._____ Contract: 9521613___

ab Code: NYTEST Login No.: 23326_ QC Report No.23326_

Matrix (soil/water): SOIL_ Lab Sample ID: 332603____

evel (low/high) : LOW Date Received: 03/15/95

ercent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8.8	B		P
7440-36-0	Antimony	3.1	U		P
7440-38-2	Arsenic	~~8.6~~			P
7440-39-3	Barium	0.66	U	N J	P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.17	U	J	P
7440-70-2	Calcium	53.6	U		P
7440-47-3	Chromium	1.1			P
7440-48-4	Cobalt	1.1	B		P
7440-50-8	Copper	0.33	U	J	P
7439-89-6	Iron	6850			P
7439-92-1	Lead	2.5	U	*	P
7439-95-4	Magnesium	35.6	U		P
7439-96-5	Manganese	13.6			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.2	U		P
7440-09-7	Potassium	54.6	U		P
7782-49-2	Selenium	~~7.4~~		~~N*~~	P
7440-22-4	Silver	1.3			P
7440-23-5	Sodium	28.9	U		P
7440-28-0	Thallium	0.42	U	N J	F
7440-62-2	Vanadium	1.5	B		P
7440-66-6	Zinc	4.9		J	P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DL011

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DL013

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23326 QC Report No.23326

Matrix (soil/water): SOIL Lab Sample ID: 332604

Level (low/high) : LOW Date Received: 03/15/95

Percent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3.4	B		P
7440-36-0	Antimony	3.3	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	0.70	U	N J	P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.18	U	J	P
7440-70-2	Calcium	56.9	U		P
7440-47-3	Chromium	1.5			P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	0.35	U	J	P
7439-89-6	Iron	3780			P
7439-92-1	Lead	2.6	U	*	P
7439-95-4	Magnesium	37.8	U		P
7439-96-5	Manganese	15.1			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.4	U		P
7440-09-7	Potassium	58.0	U		P
7782-49-2	Selenium	~~6.7~~	~~U~~	~~N*~~	P
7440-22-4	Silver	0.72	B		P
7440-23-5	Sodium	30.7	U		P
7440-28-0	Thallium	0.36	U	N J	F
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	6.3		J	P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DL013

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DL014

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23326 QC Report No.23326

Matrix (soil/water): SOIL Lab Sample ID: 332605
Level (low/high) : LOW Date Received: 03/15/95
Percent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2.3	B		P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.9	U		P
7440-39-3	Barium	0.68	U	N J	P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.17	U	J	P
7440-70-2	Calcium	55.5	U		P
7440-47-3	Chromium	0.43	U		P
7440-48-4	Cobalt	0.92	B		P
7440-50-8	Copper	0.34	U	J	P
7439-89-6	Iron	557			P
7439-92-1	Lead	22.8		*	P
7439-95-4	Magnesium	36.8	U		P
7439-96-5	Manganese	10.7			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.3	U		P
7440-09-7	Potassium	56.5	U		P
7782-49-2	Selenium	~~7.6~~		~~N*~~	P
7440-22-4	Silver	0.51	U		P
7440-23-5	Sodium	29.9	U		P
7440-28-0	Thallium	0.42	U	N J	F
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	12.5		J	P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DL014

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DL015

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23326 QC Report No.23326

Matrix (soil/water): SOIL Lab Sample ID: 332606

Level (low/high) : LOW Date Received: 03/15/95

Percent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4.0	B		P
7440-36-0	Antimony	10.0			P
7440-38-2	Arsenic	100			P
7440-39-3	Barium	1.6	B	N J	P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.18	U	J	P
7440-70-2	Calcium	59.0	U		P
7440-47-3	Chromium	6.5			P
7440-48-4	Cobalt	3.9	B		P
7440-50-8	Copper	0.96	B	J	P
7439-89-6	Iron	42600			P
7439-92-1	Lead	2.7	U	*	P
7439-95-4	Magnesium	39.2	U		P
7439-96-5	Manganese	178			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	4.9			P
7440-09-7	Potassium	60.1	U		P
7782-49-2	Selenium	~~6.9~~	~~U~~	~~N*~~	P
7440-22-4	Silver	0.55	U		P
7440-23-5	Sodium	31.8	U		P
7440-28-0	Thallium	0.45	U	N J	F
7440-62-2	Vanadium	7.8			P
7440-66-6	Zinc	14.8		J	P

CODES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric

Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

DL015 IRON AT A 10X DILUTION

MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DL016

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23326 QC Report No.23326

Matrix (soil/water): SOIL Lab Sample ID: 332607

Level (low/high) : LOW Date Received: 03/15/95

Percent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2.1	U		P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	67.9			P
7440-39-3	Barium	0.68	U	N J	P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.17	U	J	P
7440-70-2	Calcium	55.5	U		P
7440-47-3	Chromium	3.4			P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	0.34	U	J	P
7439-89-6	Iron	27800			P
7439-92-1	Lead	2.6	U	*	P
7439-95-4	Magnesium	36.8	U		P
7439-96-5	Manganese	115			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	3.7			P
7440-09-7	Potassium	56.5	U		P
7782-49-2	Selenium	~~6.5~~	~~U~~	~~N*~~	P
7440-22-4	Silver	0.51	U		P
7440-23-5	Sodium	29.9	U		P
7440-28-0	Thallium	0.44	U	N J	F
7440-62-2	Vanadium	5.3			P
7440-66-6	Zinc	10.0		J	P

CODES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric

Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

DL016 IRON AT A 10X DILUTION

MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DL017

ab Name: NYTEST_ENV_INC. Contract: 9521613

ab Code: NYTEST Login No.: 23326 QC Report No.23326

Matrix (soil/water): SOIL Lab Sample ID: 332608

evel (low/high) : LOW Date Received: 03/15/95

ercent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10.3	B		P
7440-36-0	Antimony	3.5	U		P
7440-38-2	Arsenic	4.2	U		P
7440-39-3	Barium	0.73	U	N J	P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.18	U	J	P
7440-70-2	Calcium	59.0	U		P
7440-47-3	Chromium	0.94			P
7440-48-4	Cobalt	0.98	B		P
7440-50-8	Copper	0.36	U	J	P
7439-89-6	Iron	1550			P
7439-92-1	Lead	3.2		* J	P
7439-95-4	Magnesium	39.2	U		P
7439-96-5	Manganese	8.2			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.5	U		P
7440-09-7	Potassium	60.1	U		P
7782-49-2	Selenium	~~9.9~~		~~N*~~	P
7440-22-4	Silver	0.55	U		P
7440-23-5	Sodium	38.9	B		P
7440-28-0	Thallium	0.43	U	N J	F
7440-62-2	Vanadium	1.4	U		P
7440-66-6	Zinc	1.0	B		P

ODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DL017

MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DL018

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23326 QC Report No.23326

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332609
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23.5		J	P
7440-36-0	Antimony	45.0			P
7440-38-2	Arsenic	~~21.0~~			P
7440-39-3	Barium	1.0	B	N J	P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.17	U	J	P
7440-70-2	Calcium	110	B		P
7440-47-3	Chromium	4.8			P
7440-48-4	Cobalt	0.59	U		P
7440-50-8	Copper	124			P
7439-89-6	Iron	7020			P
7439-92-1	Lead	4470		*	P
7439-95-4	Magnesium	36.2	U		P
7439-96-5	Manganese	43.3			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	4.1			P
7440-09-7	Potassium	55.5	U		P
7782-49-2	Selenium	~~6.4~~	U	N*	P
7440-22-4	Silver	2.8			P
7440-23-5	Sodium	32.1	B		P
7440-28-0	Thallium	0.42	U	N J	F
7440-62-2	Vanadium	1.3	B		P
7440-66-6	Zinc	9.3		J	P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DL018

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DL019

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23326 QC Report No.23326

Matrix (soil/water): SOIL Lab Sample ID: 332610

Level (low/high) : LOW Date Received: 03/15/95

Percent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2.0	U		P
7440-36-0	Antimony	3.2	U		P
7440-38-2	Arsenic	3.8	U		P
7440-39-3	Barium	0.67	U	N J	P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.17	U	J	P
7440-70-2	Calcium	54.1	U		P
7440-47-3	Chromium	0.42	U		P
7440-48-4	Cobalt	0.58	U		P
7440-50-8	Copper	0.33	U	J	P
7439-89-6	Iron	487			P
7439-92-1	Lead	3.4		* J	P
7439-95-4	Magnesium	35.9	U		P
7439-96-5	Manganese	2.6			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.2	U		P
7440-09-7	Potassium	55.1	U		P
7782-49-2	Selenium	~~6.3~~	~~U~~	~~N*~~	P
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	29.2	U		P
7440-28-0	Thallium	0.41	U	N J	F
7440-62-2	Vanadium	1.2	U		P
7440-66-6	Zinc	0.42	U		P

CODES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric

Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

DL019

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DL012

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23326 QC Report No.23326

Matrix (soil/water): SOIL Lab Sample ID: 332611

Level (low/high) : LOW Date Received: 03/15/95

Percent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	42.9		J	P
7440-36-0	Antimony	3.3	U		P
7440-38-2	Arsenic	~~11.4~~			P
7440-39-3	Barium	682		N J	P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.17	U	J	P
7440-70-2	Calcium	772			P
7440-47-3	Chromium	2.3			P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	1.1	B	J	P
7439-89-6	Iron	3690			P
7439-92-1	Lead	9.3		* J	P
7439-95-4	Magnesium	37.2	U		P
7439-96-5	Manganese	99.4			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.3	U		P
7440-09-7	Potassium	57.0	U		P
7782-49-2	Selenium	~~6.9~~		~~N*~~	~~P~~
7440-22-4	Silver	0.52	U		P
7440-23-5	Sodium	205	B		P
7440-28-0	Thallium	0.43	U	N J	F
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	12.5		J	P

CODES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric

Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

DL012

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FB-02

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23326 QC Report No.23326

Matrix (soil/water): WATER Lab Sample ID: 332614

Level (low/high) : LOW Date Received: 03/15/95

Percent Solids : 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24.0	U		P
7440-36-0	Antimony	38.0	U		P
7440-38-2	Arsenic	71.6			P
7440-39-3	Barium	8.0	U	N	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U	T	P
7440-70-2	Calcium	649	U		P
7440-47-3	Chromium	5.0	U		P
7440-48-4	Cobalt	7.0	U		P
7440-50-8	Copper	4.0	U	T	P
7439-89-6	Iron	13.0	U		P
7439-92-1	Lead	30.0	U	*	P
7439-95-4	Magnesium	431	U		P
7439-96-5	Manganese	1.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	27.0	U		P
7440-09-7	Potassium	661	U		P
7782-49-2	Selenium	162		N*	P
7440-22-4	Silver	6.0	U		P
7440-23-5	Sodium	350	U		P
7440-28-0	Thallium	5.0	U	N	F
7440-62-2	Vanadium	15.0	U		P
7440-66-6	Zinc	5.0	U		P

CODES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric

Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

FB-02

N & * qualifiers not required.

Inorganic Data – Metals

NYTEST ENVIRONMENTAL INC.

Lab Name: NYTEST_ENV_INC.
Lab Code: NYTEST
QC REPORT No.: 23327

Contract: 9521613
Login No.: 23327

Sample No.	Lab Sample ID
DS008	332701
DS009	332702
DS010	332703
DS011	332704
DS012	332717
DS012D	332718D
DS012S	332719S
DS013	332705
DS014	332706
DS015	332707
DS016	332708
DS017	332709
DS019	332710
DS020	332711
DS021	332712
DS022	332713
DS023	332714
DS024	332715
DS025	332716

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Remo Gigante Name: Remo Gigante

Date: 3/31/95 Title: Executive VP

NEI FORM 1 - 1/94

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS008

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332701
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4390		*	P
7440-36-0	Antimony	246		*	P
7440-38-2	Arsenic	119		N* J	P
7440-39-3	Barium	2160			P
7440-41-7	Beryllium	0.76			P
7440-43-9	Cadmium	0.74		*	P
7440-70-2	Calcium	1180			P
7440-47-3	Chromium	47200			P
7440-48-4	Cobalt	7.4			P
7440-50-8	Copper	1830		N* J	P
7439-89-6	Iron	24800		*	P
7439-92-1	Lead	171000			P
7439-95-4	Magnesium	38.5	U		P
7439-96-5	Manganese	102		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	56.0			P
7440-09-7	Potassium	75.6	B		P
7782-49-2	Selenium	~~6.8~~	~~U~~	~~N~~	P
7440-22-4	Silver	1.2		N J	P
7440-23-5	Sodium	523			P
7440-28-0	Thallium	11.1	U	N J	P
7440-62-2	Vanadium	1.3	U	*	P
7440-66-6	Zinc	27500			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS008 LEAD, CHROMIUM, IRON, ZINC : AT A 10X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS009

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332702
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1820		*	P
7440-36-0	Antimony	20.9		*	P
7440-38-2	Arsenic	332		N* J	P
7440-39-3	Barium	74.9			P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.19	U	*	P
7440-70-2	Calcium	355	B		P
7440-47-3	Chromium	67.5			P
7440-48-4	Cobalt	23.1			P
7440-50-8	Copper	64.9		N* J	P
7439-89-6	Iron	280000		*	P
7439-92-1	Lead	2.8	U		P
7439-95-4	Magnesium	2730			P
7439-96-5	Manganese	1020		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	74.5			P
7440-09-7	Potassium	121	B		P
7782-49-2	Selenium	~~7.0~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.56	U	N J	P
7440-23-5	Sodium	122	B		P
7440-28-0	Thallium	11.5	U	N J	P
7440-62-2	Vanadium	65.3		*	P
7440-66-6	Zinc	235			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS009 IRON_AT_A_50X_DILUTION
MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS010

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL Lab Sample ID: 332703

Level (low/high) : LOW Date Received: 03/15/95

Percent Solids : 100.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6580		*	P
7440-36-0	Antimony	474		*	P
7440-38-2	Arsenic	74.1		N* J	P
7440-39-3	Barium	5770			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	3.8		*	P
7440-70-2	Calcium	1480			P
7440-47-3	Chromium	5980			P
7440-48-4	Cobalt	39.5			P
7440-50-8	Copper	34.7		N* J	P
7439-89-6	Iron	29700		*	P
7439-92-1	Lead	28000			P
7439-95-4	Magnesium	10600			P
7439-96-5	Manganese	147		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	111			P
7440-09-7	Potassium	145	B		P
7782-49-2	Selenium	~~7.3~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.58	U	N J	P
7440-23-5	Sodium	978			P
7440-28-0	Thallium	11.9	U	N J	P
7440-62-2	Vanadium	1.4	U	*	P
7440-66-6	Zinc	659			P

CODES :

P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric

Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:

DS010 BARIUM, IRON : AT A 5X DILUTION

MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS011

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332704
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5470		*	P
7440-36-0	Antimony	8.7		*	P
7440-38-2	Arsenic	42.6		N* J	P
7440-39-3	Barium	322			P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	45.0		*	P
7440-70-2	Calcium	9440			P
7440-47-3	Chromium	1560			P
7440-48-4	Cobalt	11.4			P
7440-50-8	Copper	265		N* J	P
7439-89-6	Iron	19200		*	P
7439-92-1	Lead	4800			P
7439-95-4	Magnesium	3340			P
7439-96-5	Manganese	130		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	20.5			P
7440-09-7	Potassium	563			P
7782-49-2	Selenium	~~7.3~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.58	U	N J	P
7440-23-5	Sodium	378	B		P
7440-28-0	Thallium	11.9	U	N J	P
7440-62-2	Vanadium	15.0		*	P
7440-66-6	Zinc	1940			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS011

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS013

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332705
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56900		*	P
7440-36-0	Antimony	50.3		*	P
7440-38-2	Arsenic	237		N*	P
7440-39-3	Barium	3600			P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	2420		*	P
7440-70-2	Calcium	199	B		P
7440-47-3	Chromium	1700			P
7440-48-4	Cobalt	154			P
7440-50-8	Copper	485		N*	P
7439-89-6	Iron	74500		*	P
7439-92-1	Lead	10300			P
7439-95-4	Magnesium	68.9	B		P
7439-96-5	Manganese	314		N*	P
7439-97-6	Mercury	679			CV
7440-02-0	Nickel	219			P
7440-09-7	Potassium	62.4	U		P
7782-49-2	Selenium	~~7.2~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.57	U	N	P
7440-23-5	Sodium	316	B		P
7440-28-0	Thallium	11.7	U	N	P
7440-62-2	Vanadium	1.4	U	*	P
7440-66-6	Zinc	40.3			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS013 ALUMINUM,IRON: AT A 10X DILUTION
MERCURY AT A 300X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS014

Lab Name: NYTEST_ENV_INC._____ Contract: 9521613___

Lab Code: NYTEST Login No.: 23327_ QC Report No.23327_

Matrix (soil/water): SOIL_
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332706____
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8250		*	P
7440-36-0	Antimony	129		*	P
7440-38-2	Arsenic	95.6		N* J	P
7440-39-3	Barium	118			P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	55.3		*	P
7440-70-2	Calcium	122000			P
7440-47-3	Chromium	413			P
7440-48-4	Cobalt	3.3	B		P
7440-50-8	Copper	4.4		N* J	P
7439-89-6	Iron	50200		*	P
7439-92-1	Lead	2090			P
7439-95-4	Magnesium	5480			P
7439-96-5	Manganese	183		N* J	P
7439-97-6	Mercury	0.23			CV
7440-02-0	Nickel	8.2			P
7440-09-7	Potassium	346	B		P
7782-49-2	Selenium	~~6.7~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.53	U	N J	P
7440-23-5	Sodium	2370			P
7440-28-0	Thallium	10.9	U	N J	P
7440-62-2	Vanadium	7.2		*	P
7440-66-6	Zinc	235			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS014____CALCIUM,_IRON_:_AT_A_10X_DILUTION_____
_____MG/KG_AS_RECEIVED_____

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS015

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332707
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	53.1		*	P
7440-36-0	Antimony	3.7	U	*	P
7440-38-2	Arsenic	4.4	U	N*	P
7440-39-3	Barium	2.0	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.27	B	*	P
7440-70-2	Calcium	77.2	B		P
7440-47-3	Chromium	0.95	B		P
7440-48-4	Cobalt	0.67	U		P
7440-50-8	Copper	2.6		N* J	P
7439-89-6	Iron	1960		*	P
7439-92-1	Lead	324			P
7439-95-4	Magnesium	41.4	U		P
7439-96-5	Manganese	7.6		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.6	U		P
7440-09-7	Potassium	63.6	U		P
7782-49-2	Selenium	~~7.3~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.58	U	N J	P
7440-23-5	Sodium	40.8	B		P
7440-28-0	Thallium	11.9	U	N J	P
7440-62-2	Vanadium	1.4	U	*	P
7440-66-6	Zinc	8.0			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS015
MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS016

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332708
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	198		*	P
7440-36-0	Antimony	60.5		*	P
7440-38-2	Arsenic	765		N* J	P
7440-39-3	Barium	287			P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	36.5		*	P
7440-70-2	Calcium	236	B		P
7440-47-3	Chromium	263			P
7440-48-4	Cobalt	64.5			P
7440-50-8	Copper	260		N* J	P
7439-89-6	Iron	457000		*	P
7439-92-1	Lead	3520			P
7439-95-4	Magnesium	120	B		P
7439-96-5	Manganese	2340		N* J	P
7439-97-6	Mercury	3.5			CV
7440-02-0	Nickel	167			P
7440-09-7	Potassium	61.8	U		P
7782-49-2	Selenium	~~7.1~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.56	U	N J	P
7440-23-5	Sodium	156	B		P
7440-28-0	Thallium	11.6	U	N J	P
7440-62-2	Vanadium	67.4		*	P
7440-66-6	Zinc	80.9			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS016 IRON_AT_A_50X_DILUTION
MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS017

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332709
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	531		*	P
7440-36-0	Antimony	159		*	P
7440-38-2	Arsenic	973		N* J	P
7440-39-3	Barium	311			P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	0.18	U	*	P
7440-70-2	Calcium	425	B		P
7440-47-3	Chromium	41.5			P
7440-48-4	Cobalt	44.2			P
7440-50-8	Copper	192		N* J	P
7439-89-6	Iron	518000		*	P
7439-92-1	Lead	11500			P
7439-95-4	Magnesium	187	B		P
7439-96-5	Manganese	2230		N* J	P
7439-97-6	Mercury	2.9			CV
7440-02-0	Nickel	46.6			P
7440-09-7	Potassium	77.3	B		P
7782-49-2	Selenium	~~6.9~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.55	U	N J	P
7440-23-5	Sodium	52.4	B		P
7440-28-0	Thallium	11.3	U	N J	P
7440-62-2	Vanadium	79.0		*	P
7440-66-6	Zinc	326			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS017 IRON AT A 50X DILUTION

MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS019

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332710
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23.7		*	P
7440-36-0	Antimony	3.7	U	*	P
7440-38-2	Arsenic	12.1		N* J	P
7440-39-3	Barium	61.5			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.73		*	P
7440-70-2	Calcium	73.4	B		P
7440-47-3	Chromium	3.9			P
7440-48-4	Cobalt	0.68	U		P
7440-50-8	Copper	12.0		N* J	P
7439-89-6	Iron	4440		*	P
7439-92-1	Lead	21.9			P
7439-95-4	Magnesium	41.8	U		P
7439-96-5	Manganese	21.0		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.6	U		P
7440-09-7	Potassium	64.2	U		P
7782-49-2	Selenium	~~7.4~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.58	U	N J	P
7440-23-5	Sodium	235	B		P
7440-28-0	Thallium	12.0	U	N J	P
7440-62-2	Vanadium	1.5	U	*	P
7440-66-6	Zinc	10			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS019

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS020

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332711
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2430		*	P
7440-36-0	Antimony	30.9		*	P
7440-38-2	Arsenic	529		N* J	P
7440-39-3	Barium	102			P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	13.8		*	P
7440-70-2	Calcium	297	B		P
7440-47-3	Chromium	299			P
7440-48-4	Cobalt	22.4			P
7440-50-8	Copper	144		N* J	P
7439-89-6	Iron	266000		*	P
7439-92-1	Lead	1180			P
7439-95-4	Magnesium	715			P
7439-96-5	Manganese	1050		N* J	P
7439-97-6	Mercury	0.30			CV
7440-02-0	Nickel	39.7			P
7440-09-7	Potassium	111	B		P
7782-49-2	Selenium	~~6.1~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.48	U	N J	P
7440-23-5	Sodium	124	B		P
7440-28-0	Thallium	10.0	U	N J	P
7440-62-2	Vanadium	42.4		*	P
7440-66-6	Zinc	225			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS020 IRON AT A 50X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS021

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332712
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	359		*	P
7440-36-0	Antimony	3.1	U	*	P
7440-38-2	Arsenic	3.8	U	N*	P
7440-39-3	Barium	0.66	U		P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.48		*	P
7440-70-2	Calcium	53.2	U		P
7440-47-3	Chromium	0.47	B		P
7440-48-4	Cobalt	0.57	U		P
7440-50-8	Copper	0.33	U	N*	P
7439-89-6	Iron	88.4		*	P
7439-92-1	Lead	2.5	U		P
7439-95-4	Magnesium	35.3	U		P
7439-96-5	Manganese	0.54	B	N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.2	U		P
7440-09-7	Potassium	54.2	U		P
7782-49-2	Selenium	~~6.2~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.49	U	N J	P
7440-23-5	Sodium	28.7	U		P
7440-28-0	Thallium	10.2	U	N J	P
7440-62-2	Vanadium	1.2	U	*	P
7440-66-6	Zinc	0.41	U		P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS021

MG/KG_AS_RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS022

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332713
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4440		*	P
7440-36-0	Antimony	69.6		*	P
7440-38-2	Arsenic	179		N* J	P
7440-39-3	Barium	809			P
7440-41-7	Beryllium	0.36	B		P
7440-43-9	Cadmium	307		*	P
7440-70-2	Calcium	46200			P
7440-47-3	Chromium	1650			P
7440-48-4	Cobalt	128			P
7440-50-8	Copper	6070		N* J	P
7439-89-6	Iron	136000		*	P
7439-92-1	Lead	2090			P
7439-95-4	Magnesium	10400			P
7439-96-5	Manganese	667		N* J	P
7439-97-6	Mercury	8.1			CV
7440-02-0	Nickel	452			P
7440-09-7	Potassium	845			P
7782-49-2	Selenium	~~7.2~~	~~U~~	~~N~~	P
7440-22-4	Silver	66.8		N J	P
7440-23-5	Sodium	2150			P
7440-28-0	Thallium	11.7	U	N J	P
7440-62-2	Vanadium	2.8	B	*	P
7440-66-6	Zinc	23900			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS022 IRON, ZINC : AT A 50X DILUTION
MERCURY AT A 3X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS023

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332714
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7690		*	P
7440-36-0	Antimony	127		*	P
7440-38-2	Arsenic	67.7		N*	P
7440-39-3	Barium	421			P
7440-41-7	Beryllium	0.61			P
7440-43-9	Cadmium	56.9		*	P
7440-70-2	Calcium	196	B		P
7440-47-3	Chromium	20900			P
7440-48-4	Cobalt	5.9			P
7440-50-8	Copper	14.1		N*	P
7439-89-6	Iron	4410		*	P
7439-92-1	Lead	81300			P
7439-95-4	Magnesium	212	B		P
7439-96-5	Manganese	18.4		N*	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	9.4			P
7440-09-7	Potassium	62.4	U		P
7782-49-2	Selenium	~~7.2~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.57	U	N	P
7440-23-5	Sodium	168	B		P
7440-28-0	Thallium	11.7	U	N	P
7440-62-2	Vanadium	1.4	U	*	P
7440-66-6	Zinc	85.9			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS023 CHROMIUM, LEAD : AT A 50X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS024

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332715
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4440		*	P
7440-36-0	Antimony	404		*	P
7440-38-2	Arsenic	153		N* J	P
7440-39-3	Barium	3380			P
7440-41-7	Beryllium	0.45	B		P
7440-43-9	Cadmium	1.1		*	P
7440-70-2	Calcium	38100			P
7440-47-3	Chromium	25400			P
7440-48-4	Cobalt	8.9			P
7440-50-8	Copper	143		N* J	P
7439-89-6	Iron	38100		*	P
7439-92-1	Lead	113000			P
7439-95-4	Magnesium	736			P
7439-96-5	Manganese	55.5		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.6	U		P
7440-09-7	Potassium	320	B		P
7782-49-2	Selenium	~~7.5~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.59	U	N J	P
7440-23-5	Sodium	1230			P
7440-28-0	Thallium	12.2	U	N J	P
7440-62-2	Vanadium	1.5	U	*	P
7440-66-6	Zinc	1.3	B		P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS024 CHROMIUM, IRON, LEAD : AT A 50X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS025

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332716
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	400		*	P
7440-36-0	Antimony	7.8		*	P
7440-38-2	Arsenic	170		N* J	P
7440-39-3	Barium	36.4			P
7440-41-7	Beryllium	0.09	U		P
7440-43-9	Cadmium	0.51		* J	P
7440-70-2	Calcium	191	B		P
7440-47-3	Chromium	12.0			P
7440-48-4	Cobalt	6.1			P
7440-50-8	Copper	0.38	U	N*	P
7439-89-6	Iron	73900		*	P
7439-92-1	Lead	2.8	U		P
7439-95-4	Magnesium	40.7	U		P
7439-96-5	Manganese	325		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	12.3			P
7440-09-7	Potassium	62.4	U		P
7782-49-2	Selenium	~~7.2~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.57	U	N J	P
7440-23-5	Sodium	146	B		P
7440-28-0	Thallium	11.7	U	N J	P
7440-62-2	Vanadium	14.9		*	P
7440-66-6	Zinc	11.6			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS025 IRON AT A 50X DILUTION
MG/KG AS RECEIVED

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DS012

Lab Name: NYTEST_ENV_INC. Contract: 9521613

Lab Code: NYTEST Login No.: 23327 QC Report No.23327

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 100.0

Lab Sample ID: 332717
Date Received: 03/15/95

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	904		*	P
7440-36-0	Antimony	3.6	U	*	P
7440-38-2	Arsenic	24.2		N* J	P
7440-39-3	Barium	1260			P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	0.75		* J	P
7440-70-2	Calcium	2660			P
7440-47-3	Chromium	126			P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	32.0		N* J	P
7439-89-6	Iron	8730		*	P
7439-92-1	Lead	501			P
7439-95-4	Magnesium	99.3	B		P
7439-96-5	Manganese	31.1		N* J	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.5	U		P
7440-09-7	Potassium	487			P
7782-49-2	Selenium	~~7.2~~	~~U~~	~~N~~	P
7440-22-4	Silver	0.57	U	N J	P
7440-23-5	Sodium	492			P
7440-28-0	Thallium	11.7	U	N J	P
7440-62-2	Vanadium	10.1		*	P
7440-66-6	Zinc	834			P

CODES :
P: ICP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
Note: A "U" in the "C" (Concentration) column indicates the analyte was not detected in this sample; "B" = Sample value greater than Instrument Detection Limit, but less than reporting limit; "NR" = Not Required.

Comments:
DS012

MG/KG AS RECEIVED