2 INGRAHAM STREET
Brooklyn, New York

SITE INVESTIGATION REPORT

Prepared for:

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FIGURES

ATTACHMENTS

1.0 OBJECTIVE

This investigation was designed to determine whether any remediation was necessary to address soil and/or groundwater contamination associated with the former metal plating operations at 2 Ingraham Street in Brooklyn.

2.0 PREVIOUS INVESTIGATIONS

ERD Environmental [ERD] prepared both a Phase I Environmental Assessment and a Limited Phase II. Subsequently, a Focused Phase II was prepared by Excel Environmental Resources [Excel].

2.1 ERD Environmental Investigation

ERD collected soil samples in January 1997 from each of two depths at two locations (SB-1 and SB-2 on Figure 1). The sample just below the surface and the deeper sample from each hole (3 feet at SB-1 and 3.5 feet at SB-2) were analyzed for TAL metals, cyanide and pH. When compared to the upper range of eastern USA background metal levels (as set out in NYSDEC's TAGM 4046), SB-2 showed relatively minor exceedances: chromium 186 ppm versus a background level of 40 ppm and nickel 87 ppm versus 25 ppm. SB-1 showed much greater exceedances for the same two metals: chromium (12,000 ppm) and nickel (5,940 ppm) as well as copper (1,230 ppm versus 50 ppm) and minor exceedances (less than twice the background) for lead, zinc and barium. A summary table of these results is contained in Attachment A.

2.2 Excel Environmental Resources Investigation

Excel collected soil samples in April 1997 from four locations: deeper samples adjacent to SB-1 and SB-2 and two new locations: SB-4 and SB-6, also shown in Figure 1. The deeper samples from SB-1 showed lower concentrations than were found by ERD (5,260 ppm of chromium and 276 ppm of nickel in the sample from 10 feet below grade with lower levels in the two deeper samples from 15 and 16.5 feet). The deeper samples from SB-2 showed lower exceedances of background levels including nickel and zinc. Both SB-4 and SB-6 had no exceedances of the chromium background level but both had exceedances of the mercury, nickel and zinc background levels with greater exceedances at SB-6. pH levels above 9 were found at both SB-4 and SB-6. A summary table of these results is contained in Attachment A.

3.0 AKRF INVESTIGATION

Based on the site's past use as a metal plating operation and the results of the previous investigations, the possible forms of contamination were thought to include, heavy metals (particularly trivalent and hexavalent chrome, nickel and mercury), cyanide and acid wastes, and volatile organic compounds (VOCs) including chlorinated solvents, which are often associated with plating operations. Testing of soil and groundwater was carried out by completing a series of borings at the locations shown in Figure 1. Borings (B-1 through B-5), used to collect a composite soil sample from each four foot interval from below the concrete down to the water table, were completed on October 17-19, 1997, using a motorized drill rig with a permanent flush-mount groundwater monitoring well at B-1 (MW-1). Wells were also installed at three other locations (MW-2 through MW-4). All wells were installed, developed, purged and sampled in accordance with NYSDEC guidelines. Groundwater sample were collected on October 27, 1997, at which time

the depth to water was measured. Laboratory analyses were performed by Nytest Environmental Inc., a New York State certified laboratory. To avoid contamination and cross-contamination of samples, all sampling equipment was decontaminated before collection of each sample. The procedure used was derived from that of the United States Environmental Protection Agency (EPA) Region II, as published by the New Jersey Department of Environmental Protection Field Sampling Procedures Manual, February 1988. All samples were containerized in accordance with EPA analytical protocols. Each sample container was properly sealed, labeled, and placed in a refrigeration unit at a temperature of approximately 4°C for transport to the laboratory. A record of each sample, including notation of any odors, color, or sample matrix, was kept in the sampler's field log book. A chain of custody was maintained throughout the field sampling, transport of samples to the laboratory, and during lab analysis.

3.1 Results

There follows a summary of the analytical data. Note that in the laboratory sample designations for the soil borings, B24585 means the soil sample from location B-2 at a depth of 4.5 to 8.5 feet. Full laboratory analytical data can be found in Attachment B.

3.1.1 Groundwater Depth and Flow Direction

The depth to the water table in the four wells was as follows: MW-1 and MW-2 15.5 feet; MW-3 13.75 feet; and MW-4 14.05 feet. The difference of approximately 1.5 feet between the two northern wells (MW-1 and -2) and the two southern wells (MW-3 and -4) implies groundwater flow is approximately towards the north. These findings are not inconsistent with flow being in the expected northeasterly direction i.e., towards English Kills which is approximately 1,000 feet northeast of the site.

3.1.2 Volatile Organic Compounds

Groundwater samples from each of the four monitoring wells (as well as a trip blank and a field blank) were analyzed for TCL volatile organic compounds (VOCs). The only detected VOCs were 2 parts per billion (ppb) of methylene chloride (a common laboratory contaminant) in the trip blank and 2 ppb of tetrachloroethene (a common solvent) at MW-2. NYSDEC's GA groundwater (drinking water) standard for tetrachloroethene is 5 ppb. Selected soil samples were also analyzed for VOCs: B-2 (depth 0 to 2 feet) contained low levels of methylene chloride (5 ppb), 20 ppb of acetone (also a common laboratory contaminant), and 2 ppb of carbon disulfide; B-4 (depth 0.5 to 4.5 feet) contained 12 ppb of methylene chloride. None of these detected VOCs represents a concern.

3.1.3 Metals

3.1.2.1 Soil Samples

Soil samples were tested for selected hazardous waste characteristics (TCLP metals, corrosivity and reactivity), TAL metals, hexavalent chromium and total cyanide.

Hazardous Waste Characteristics - all samples were below applicable thresholds for hazardous waste.

TAL Metals - the following table (in ppm) summarizes levels found by location for chromium,* nickel and mercury. These three metals showed the greatest exceedances of background levels. There were also sporadic exceedances of background levels for lead, copper and zinc. Since for metals (unlike organic compounds), NYSDEC has not developed risk-based cleanup guidance values (and since background levels are unrelated to risk), the EPA Risk Based Concentration (RBC) Table, published by EPA Region III, was used to determine the significance of measured metal concentrations. In the table below (all values in ppm), the column "RBC-R" represents the risk-based level which corresponds to a potentially unacceptable risk (exceedance of reference dose) based on an extremely conservative residential scenario (child ingestion of surface soils in a residential setting) using standard EPA assumptions. The column "RBC-I" represents a similar methodolgy, but which corresponds to a an adult worker in an industrial setting. It should be noted these values do not account for the potential for any impacts via leaching to groundwater.

	NYSDEC Background	RBC-R	RBC-I	B-1	B-2	B-3	B-4	B-5
Chromium	1.5 - 40	78,000	1,000,000	19.8 - 41.5	11.8 - 32.2	12.2 - 21.5	80.9 - 457	76.6 - 245
Mercury	0.0001 - 0.2	23	610	0.09 - 5.3	0.03 - 1.5	0.06 - 1.5	0.05 - 4.7	1.4 - 3
Nickel	0.5 - 25	1,600	41,000	98.1 - 403	1,730 - 5,470	9.9 - 463	2.1 - 329	152 - 585

all values in parts per million

The only exceedance of the RBC values was for nickel at B-2, which exceeded the residential RBC only. However, the RBC-I value of 41,000 ppm is more appropriate for comparison at the Ingraham street property, which is zoned for manufacturing, and can not be used as residential property.

At B-1 and B-5 the maximum levels were found in the shallowest samples. At the other three locations there were no clear patterns of increasing or decreasing contamination with depth.

Hexavalent Chromium - levels varied from non-detect in all of the samples from B-2 and B-3 to a maximum of 4 ppm at B-1 (depth 4.5 to 8.5 feet), 59 ppm at B-4 (12.5 to 16.5 feet) and 53 ppm at B-5 (0.5 to 4.5 feet). There is no NYSDEC background level or guidance on hexavalent chromium , however EPA Region III's Risk Based Concentration table gives a value of 390 ppm for unrestricted residential use based on soil ingestion.

Total Cyanide - levels varied from non-detect to a maximum of 14.2 ppm at B-3 (depth 4.5 to 8.5 feet). Again, there is no NYSDEC background level or guidance on total cyanide, however EPA Region III's Risk Based Concentration table gives a value of 1,600 ppm for free cyanide (i.e., less than total cyanide) based on unrestricted residential use (soil ingestion).

3.1.3.2 Groundwater Samples

Groundwater samples were analyzed both for TAL metals and hexavalent chromium both prior to and after filtration as well as cyanide (unfiltered only). A trip blank and field blank was included in

* when used without modification "chromium" refers to undifferentiated chromium i.e., the combination of trivalent and hexavalent chromium.

each batch of groundwater samples. No hexavalent chromium or cyanide was detected in any sample.

All groundwater results were initially compared to GA (potable) water quality standards. All four locations showed one or more exceedances, both for filtered and unfiltered samples. There were no exceedances of the GA standard for mercury. For nickel there is no NYSDEC GA standard or federal drinking water standard (MCL).

Unfiltered Samples - The following compounds exceeded GA standards in the unfiltered samples from the two southern wells (MW-3 and MW-4), assumed to represent background or upgradient conditions: antimony, arsenic, barium, beryllium, chromium, iron, lead, magnesium, manganese, sodium, thallium and zinc. These wells had chromium levels of 154 and 395 ppb, respectively and nickel levels of 259 and 380 ppb, respectively. MW-2 did not exceed GA standards for any other compounds and had lower levels of chromium (99.6 ppb) and comparable levels of nickel (286 ppb). MW-1 did not exceed GA standards for any other compounds and had comparable levels of chromium (183 ppb), but higher levels of nickel (449,000 ppb).

Filtered samples - The following five compounds exceeded GA standards in the filtered samples from the two southern wells (MW-3 and MW-4) assumed to represent background or upgradient conditions: iron, magnesium, manganese, selenium and sodium. None of these appears to have been associated with past metal plating at the site. MW-2 showed exceedances for four of these compounds (but no others) but MW-1 showed exceedances for all five of these compounds and 5 ppb of thallium (versus a GA standard of 4 ppb). In terms of nickel, MW-3 and MW-4 had nickel levels of 35 and 13 ppb, respectively, whereas MW-1 and MW-2 had 443,000 ppb and 1,030 ppb, respectively.

3.2 Conclusions of Soil And Groundwater Sampling

3.2.1 Soil

Although soil around the trench has clearly been contaminated to levels well above background by releases of chromium, mercury and nickel (presumably related to the previous plating operations at the site), there does not appear to be any significant risk to human health related to levels found. Covering the area with fresh concrete, to prevent the potential for human contact, would adequately remediate this situation. Since there is no ongoing source (i.e., the plating operation has stopped) and there is no groundwater recharge within the building, groundwater concentrations would be expected to attenuate over time.

3.2.2 Groundwater

All groundwater samples, i.e., those upgradient (south) of the trench, close to the trench and downgradient of the trench show levels well above potable (GA) standards, both in the unfiltered and (more representative) filtered samples. However, MW-1, close to the trench, shows a significantly elevated level of nickel. Since groundwater in Brooklyn is not used for potable supply (water is supplied from the City's upstate system of reservoirs), there is no threat to public health via an ingestion route. However, since the site is close (approximately 1,000 feet) from a surface water body (English Kills which is connected to Newtown Creek), the potential exists for causing an exceedance of applicable SD surface water quality standards due to groundwater migrating from the site and discharging to the surface water body. In the next section, an evaluation is made of whether such an exceedance might occur. If no exceedance would occur, given that wastes are no longer

being generated, no remediation of groundwater would be necessary to protect human health or the environment.

3.3 Groundwater Modeling

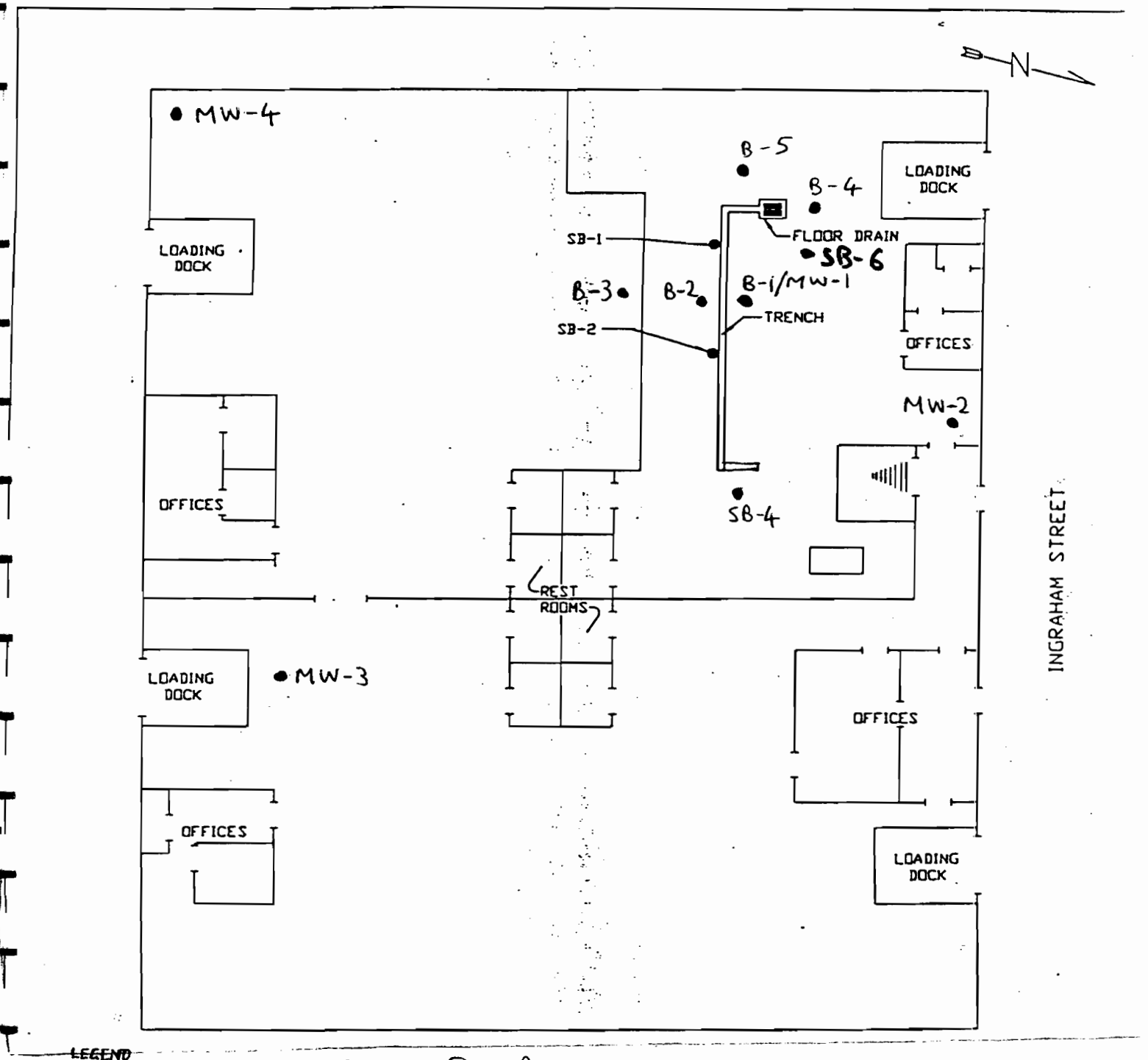
The US Air Force's model, Bioscreen Version 1.3, was used to model the potential flow of nickel-contaminated groundwater from the site to English Kills. This model can be used for modeling both biodegradable and non-biodegradable contaminants based on the Domenico analytical solute transport model and has the ability to simulate advection, dispersion and adsorption. Where no site-specific data were available, the following conservative assumptions were made, as shown in Figure 2:

- Groundwater flow was assumed to be horizontal and directly towards English Kills. If the actual flow were in any other direction, dispersion and attenuation would be increased.
- Hydraulic conductivity was estimated to be 10^{-5} cm/s. Based on the heavily clayey nature of the samples from site borings, the true hydraulic conductivity is probably much lower.
- The gradient of 0.9% was based on the 1.5 foot difference in elevation across the site. The gradient for the flow between the site and English Kills is probably considerably lower.
- Dispersivity was calculated by Bioscreen's default method (Xu and Eckstein, 1995).
- Adsorption and (bio)degradation were set to zero, so that only advection and dispersion were simulated.
- The area modeled was 1,100 feet (the distance from the source to English Kills) by 200 feet (considerably longer than the length of the trench).
- The 449 ppm source was assumed to have a width of 100 feet, which is considerably longer than the length of the trench.

The results of the modeling are shown in terms of the concentrations along the plume centerline, shown in Figures 3 (after 20 years) , 4 (100 years) and 5 (1,000 years). The decrease with distance from the source, shown on these figures, indicates that nickel is modeled to migrate extremely slowly, and even then with significant attenuation. Even after 1,000 years, the modeled flow at a distance of 1,000 feet is 8 ppb, well below the SD standard (applicable to English Kills) of 140 ppb. Also the modeled concentration represents the discharge to English Kills and not the concentration that would result in English Kills after mixing with the tidal water body.

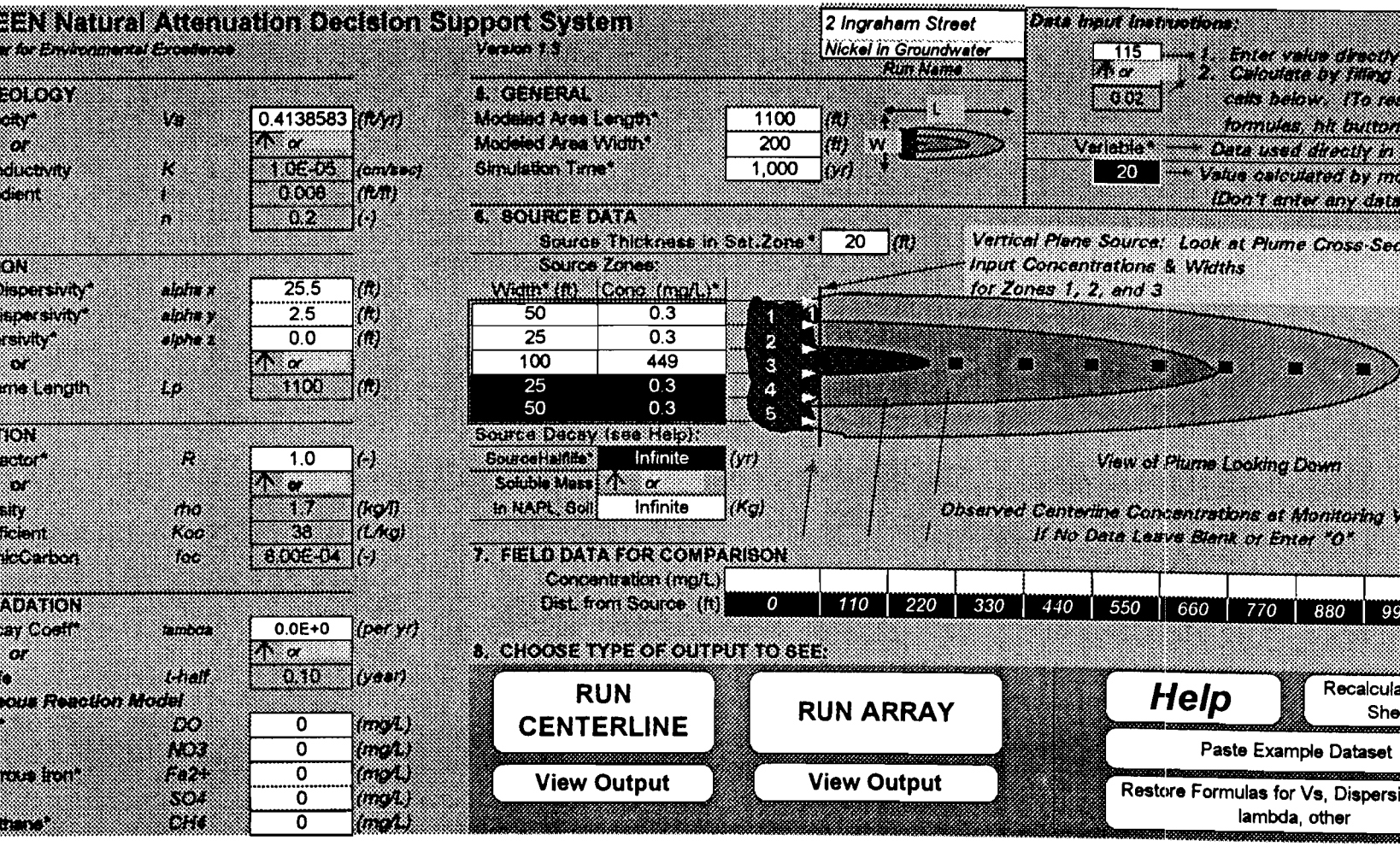
4.0 CONCLUSIONS

There is no significant risk to human health related to metals levels found at the site, assuming the trench area is covered with fresh concrete. Since there is no ongoing source (i.e., the plating operation has stopped) and there is no groundwater recharge inside the building, groundwater concentrations would be expected to attenuate over time. Modeling of the flow from the site (with its elevated level of nickel in the groundwater near the trench) to English Kills (a tidal surface water body connected to Newtown Creek) indicates applicable SD surface water quality standards would not be exceeded. Additionally, since groundwater in Brooklyn is not used for potable supply (water is supplied from the City's upstate system of reservoirs), there is no threat to public health via an ingestion route.



SB - Previous Soil Boring
B - AKRF Soil Boring
MW - Monitoring Well

FIGURE 1
Approximate Sampling Locations

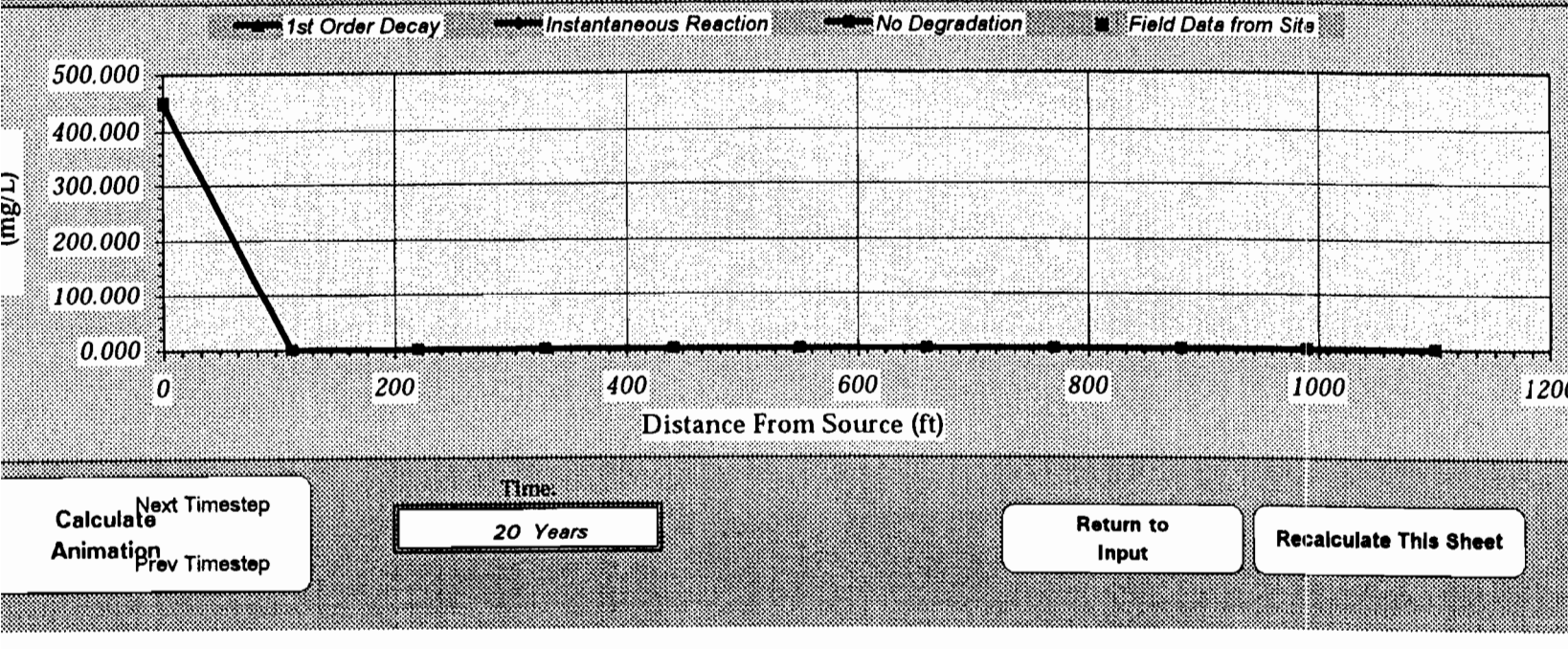


2. BIOSCREEN Input Screen.
nam Street - Nickel in Groundwater

DISSOLVED NICKEL CONCENTRATION ALONG PLUME CENTERLINE (mg/L at Z=0)

Distance from Source (ft)

MODEL	0	110	220	330	440	550	660	770	880	990	1100
Degradation	449.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Order Decay	449.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
st. Reaction	449.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ata from Site											



Calculate Next Timestep / Animation Prev Timestep

Time: 20 Years

Return to Input

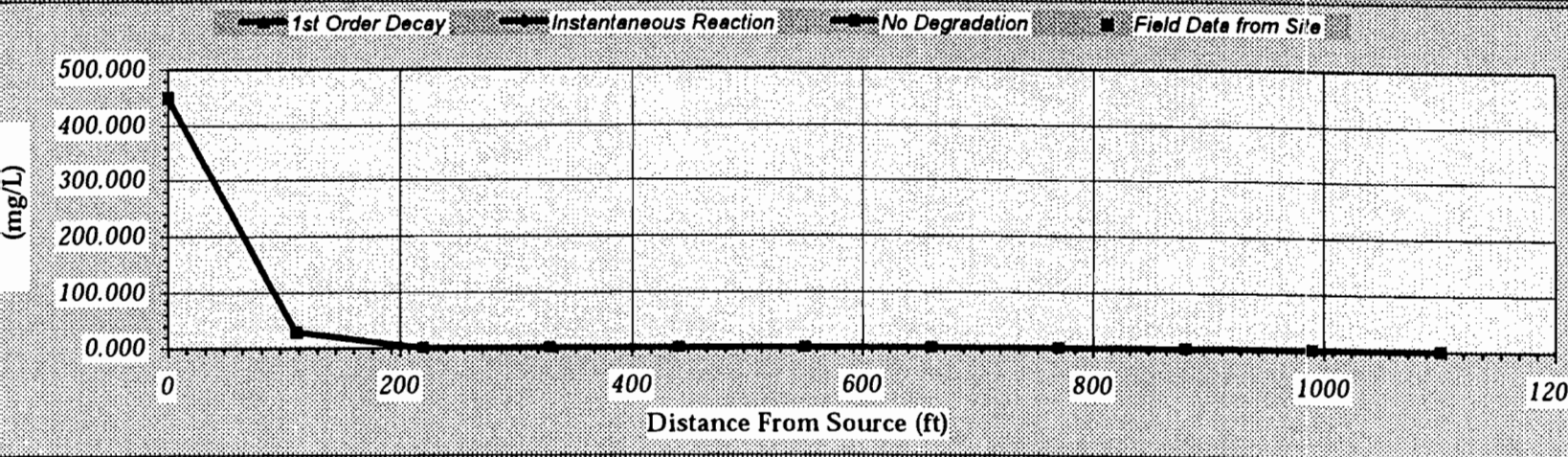
Recalculate This Sheet

. Centerline Output (20 Years)
am Street - Nickel in Groundwater.

DISSOLVED NICKEL CONCENTRATION ALONG PLUME CENTERLINE (mg/L at Z=0)

Distance from Source (ft)

MODEL	0	110	220	330	440	550	660	770	880	990	1100
o Degradation	449.000	29.293	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Order Decay	449.000	29.293	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
nst. Reaction	449.000	29.293	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Data from Site											



Calculate Animation — Next Timestep / Prev Timestep

Time: 100 Years

Return to Input

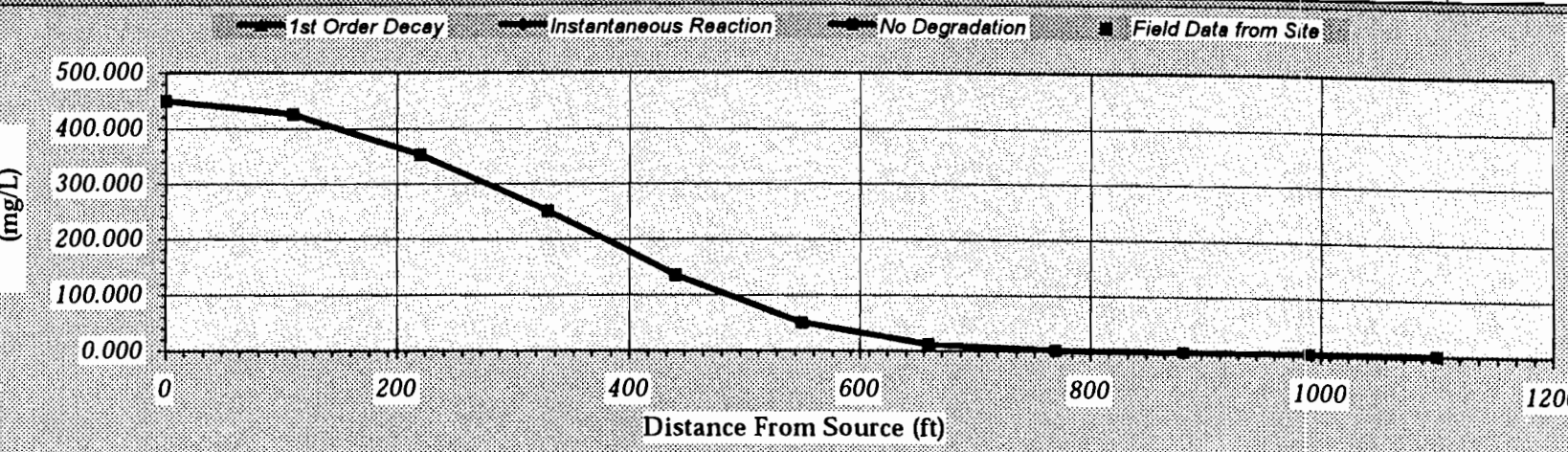
Recalculate This Sheet

4. Centerline Output (100 Years)
nam Street - Nickel in Groundwater.

DISSOLVED NICKEL CONCENTRATION ALONG PLUME CENTERLINE (mg/L at Z=0)

Distance from Source (ft)

MODEL	0	110	220	330	440	550	660	770	880	990	1100
Degradation	449.000	425.536	352.940	250.677	136.465	51.272	12.372	1.834	0.163	0.008	0.000
Order Decay	449.000	425.536	352.940	250.677	136.465	51.272	12.372	1.834	0.163	0.008	0.000
net. Reaction	449.000	425.536	352.940	250.677	136.465	51.272	12.372	1.834	0.163	0.008	0.000
Data from Site											



Calculate Animation — Next Timestep / Prev Timestep

Time: 1,000 Years

Return to Input

Recalculate This Sheet

Centerline Output (1,000 Years)
am Street - Nickel in Groundwater.

Attachment A

ERD and Excel Data Summary Tables

From: Limited Phase II Investigation
ERD Environmental, February 1997

TABLE 3
RESULTS OF LABORATORY ANALYSES
PERFORMED ON SOIL BORING SAMPLES
2 INGRAHAM STREET
BROOKLYN, NEW YORK
JANUARY 7, 1997

	SB-2		SB-1			
Sample ID:	**Trench-1'**	**Trench-3'**	**Floor Hole 1.5'**	**Floor Hole 3.5'**	**NYSDEC* Recommended**	**NYSDEC* Eastern USA**
Laboratory ID:	**9700335**	**9701144**	**9700336**	**9701145**	**Soil Cleanup Objective**	**Background Value**
PARAMETER:						
TAL Metals						
Aluminum	467	5,160	799	4,380	SB	33,000
Antimony	ND	ND	1,880	101	SB	NA
Arsenic	2.11	5.68	5.25	6.84	7.5 or SB	3-12
Barium	63.6	102	728	183	300 or SB	15-600
Beryllium	ND	ND	ND	ND	0.16 or SB	0-1.75
Cadmium	ND	ND	ND	ND	1 or SB	0.1-1
Calcium	293	679	427	681	SB	130-35,000
Chromium	35.0	186	10,600	12,000	10 or SB	1.5-40
Cobalt	ND	2.93	2.88	6.98	30 or SB	2.5-60
Copper	71.7	79.0	1,230	1,060	25 or SB	1-50
Iron	4,320	26,100	19,800	28,000	2,000 or SB	2,000-550,000
Lead	409	121	906	362	SB	***200-500
Magnesium	102	1,130	167	1,020	SB	100-5,000
Manganese	11.3	79.7	159	186	SB	50-5,000
Mercury	ND	ND	ND	ND	0.1	0.001-0.2
Nickel	36.1	87.0	5,940	2,980	13 or SB	0.5-25
Potassium	ND	1,970	419	1,470	SB	8,500-43,000
Selenium	ND	0.876	0.510	1.21	2 or SB	0.1-3.9
Silver	0.821	ND	ND	ND	SB	NA
Sodium	623	1,150	241	303	SB	6,000-8,000
Thallium	ND	ND	ND	ND	SB	NA
Vanadium	ND	23.6	17.7	16.5	150 or SB	1-300
Zinc	ND	27.2	68	77.2	20 or SB	9-50
Total Cyanide**	30.0	2.04	1,460	1,590	**	NA
pH (units)	5.86	3.69	5.22	4.47		

Note:
- All results expressed in milligram per kilogram.
* = As outlined in Technical & Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, NYSDEC, Revised January 24, 1994. The higher of the two values is used to determine cleanup levels.
** = NYSDEC has no cleanup objective for cyanide; it is determined on a site-by-site basis.
*** = Average values of lead for metropolitan areas.
SB = Site Background level.
ND = Not Detected.
NA = Not Available.

Ref: j:\users\everyone\tables\96423.tb3

SUMMARY OF SOIL ANALYTICAL RESULTS - TAL METALS, TOTAL CN, AND pH
RAINBOW
Brooklyn, New York
(Concentrations are given in ppm)

PARAMETER						Al	Sb	As	Be	Ca	Cr	Cu	Fe	Pb	Mg	Mn	Hg	Ni	K	Na	Zn	CN	pH
EASTERN USA BACKGROUND						33,000	N/A	3-12	0-1.75	130-35,000	1.5-40	1-50	2000-550,000	200-500	100-5000	50-5000	.001-.2	.5-25	8500-43,000	6000-8000	9-50	N/A	N/A
RECOMMENDED SOIL CLEANUP OBJECTIVE						SB	SB	7.5 OR SB	.16 OR SB	SB	10 OR SB	25 OR SB	2000 OR SB	200-500	SB	SB	0.1	13 OR SB	SB	SB	20 OR SB	N/A	N/A
Excel Sample No.	Matrix Type	Lab Sample No.	Depth of Sample	Collection Date	Collection Time																		
SB-1	Soil	97-04-0615-002	9.5'-10.0'	4/29/97	13:20	10000	1.5	2.6	0.44	ND	5260	136	16700	ND	540	280	ND	276	391	163	102	ND	5.7
SB-1	Soil	97-04-0615-003	14.5'-15.0	4/29/97	13:32	6260	ND	2.5	0.47	68.9	1290	96.7	22300	ND	978	867	ND	154	756	239	38.9	ND	5.6
SB-1	Soil	97-04-0615-004	16.0'-16.5	4/29/97	13:40	8000	ND	0.9	0.89	117	147	113	40100	ND	2240	944	ND	177	1640	244	73.3		7.6
SB-2	Soil	97-04-0615-006	9.5'-10.0'	4/29/97	11:35	14300	ND	3.6	0.58	ND	34.5	8.3	14000	ND	1050	113	ND	17.9	405	214	212	ND	5.4
SB-2	Soil	97-04-0615-007	14.5'-15.0	4/29/97	11:40	15300	ND	2.5	0.85	78	50	28	23200	ND	2100	243	ND	78	1610	427	53.7	ND	5.0
SB-2	Soil	97-04-0615-008	16.0'-16.5	4/29/97	11:45	11100	ND	1.3	0.69	2630	28	24.4	41700	ND	4000	267	ND	65.9	2050	348	68.3	ND	5.6
SB-4	Soil	97-04-0615-009	1.0'-1.5'	4/29/97	14:10	8500	ND	5.5	0.6	136	27.8	33.3	24700	94.4	1910	553	0.4	237	1010	2610	67.8	ND	9.1
SB-4	Soil	97-04-0615-010	4.5'-5.0'	4/29/97	14:20	7930	ND	2.6	0.47	36	22.5	16.9	17500	57.3	1570	370	0.68	43.8	843	1180	55.1	ND	9.5
SB-6	Soil	97-04-0615-012	1.0'-1.5'	4/29/97	16:25	7670	ND	2.6	0.58	366	13.2	16.5	16400	92.3	1650	243	2.37	5770	1040	385	52.7	ND	7.6
SB-6	Soil	97-04-0615-013	4.5'-5.0'	4/29/97	16:30	7870	2.1	3.4	0.59	2270	15.4	37.4	19000	180	2000	346	6.23	249	1210	407	84.6	ND	9.5

NOTES:

Al - Aluminum
Sb - Antimony
As - Arsenic
Be - Berylium
Ca - Calcium
Cr - Chromium
Cu - Copper
Fe - Iron
Pb - Lead
Mg - Magnesium
Mn - Manganese
Hg - Mercury
Ni - Nickel
K - Potassium
Na - Sodium
Zn - Zinc
CN - Total Cyanide
N/A - Not Available
ND - Not Detected
SB - Site Background

BOLD - Exceeds Recommended Soil Cleanup Objective

From: Focused Phase II Soil Investigation
Exel Environmental Resources, Inc., May 1997

Attachment B

Laboratory Data

Soil Sampling - TAL Metals

Soil Sampling - TCLP Metals

Soil Sampling - Hexavalent Chromium

Soil Sampling - Volatile Organic Compounds

Soil Sampling - General Chemistry

Groundwater Sampling - Total TAL Metals (unfiltered)

Groundwater Sampling - Dissolved TAL Metals (filtered)

Groundwater Sampling - Volatile Organic Compounds

Groundwater Sampling - General Chemistry

Soil Sampling - TAL Metals

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B10545

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 86.3

Lab Sample ID: 266708
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6290			P
7440-36-0	Antimony	2.0	B		P
7440-38-2	Arsenic	8.1			P
7440-39-3	Barium	170			P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	0.69			P
7440-70-2	Calcium	27900			P
7440-47-3	Chromium	41.5			P
7440-48-4	Cobalt	9.2			P
7440-50-8	Copper	162			P
7439-89-6	Iron	15000			P
7439-92-1	Lead	270			P
7439-95-4	Magnesium	4220			P
7439-96-5	Manganese	306			P
7439-97-6	Mercury	5.3			CV
7440-02-0	Nickel	403			P
7440-09-7	Potassium	735			P
7782-49-2	Selenium	0.73			P
7440-22-4	Silver	0.09	U		P
7440-23-5	Sodium	187	B		P
7440-28-0	Thallium	0.70	B		P
7440-62-2	Vanadium	23.0			P
7440-66-6	Zinc	219			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:

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NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO. B14585

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32683 QC Report No.32683

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 94.3

Lab Sample ID: 268301
Date Received: 10/17/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5210			P
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	4.6	U		P
7440-39-3	Barium	56.4			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	0.31	B		P
7440-70-2	Calcium	1630			P
7440-47-3	Chromium	25.5			P
7440-48-4	Cobalt	6.9			P
7440-50-8	Copper	38.4			P
7439-89-6	Iron	17000			P
7439-92-1	Lead	61.0			P
7439-95-4	Magnesium	1900			P
7439-96-5	Manganese	329			P
7439-97-6	Mercury	1.9			CV
7440-02-0	Nickel	202			P
7440-09-7	Potassium	853			P
7782-49-2	Selenium	8.0	U		P
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	132	U		P
7440-28-0	Thallium	35.3	U		P
7440-62-2	Vanadium	21.6			P
7440-66-6	Zinc	70.2			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO. B18512

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32683 QC Report No.32683

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 86.8

Lab Sample ID: 268302
Date Received: 10/17/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11900			P
7440-36-0	Antimony	1.8	U		P
7440-38-2	Arsenic	4.8	U		P
7440-39-3	Barium	43.1			P
7440-41-7	Beryllium	0.35	B		P
7440-43-9	Cadmium	0.16	U		P
7440-70-2	Calcium	1020			P
7440-47-3	Chromium	19.8			P
7440-48-4	Cobalt	6.7			P
7440-50-8	Copper	16.3			P
7439-89-6	Iron	17500			P
7439-92-1	Lead	16.0			P
7439-95-4	Magnesium	2210			P
7439-96-5	Manganese	367			P
7439-97-6	Mercury	0.24			CV
7440-02-0	Nickel	347			P
7440-09-7	Potassium	889			P
7782-49-2	Selenium	8.3	U		P
7440-22-4	Silver	0.31	U		P
7440-23-5	Sodium	137	U		P
7440-28-0	Thallium	36.7	U		P
7440-62-2	Vanadium	24.5			P
7440-66-6	Zinc	34.3			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO. B11256

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32683 QC Report No.32683

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 83.5

Lab Sample ID: 268303
Date Received: 10/17/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13300			P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	5.4	U		P
7440-39-3	Barium	107			P
7440-41-7	Beryllium	0.62			P
7440-43-9	Cadmium	0.18	U		P
7440-70-2	Calcium	1750			P
7440-47-3	Chromium	34.3			P
7440-48-4	Cobalt	12.9			P
7440-50-8	Copper	26.2			P
7439-89-6	Iron	25600			P
7439-92-1	Lead	10.5			P
7439-95-4	Magnesium	5100			P
7439-96-5	Manganese	565			P
7439-97-6	Mercury	0.09	B		CV
7440-02-0	Nickel	98.1			P
7440-09-7	Potassium	2540			P
7782-49-2	Selenium	9.4	U		P
7440-22-4	Silver	0.36	U		P
7440-23-5	Sodium	155	U		P
7440-28-0	Thallium	41.5	U		P
7440-62-2	Vanadium	41.8			P
7440-66-6	Zinc	56.8			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B20545

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 86.8

Lab Sample ID: 266701
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7100			P
7440-36-0	Antimony	0.68	B		P
7440-38-2	Arsenic	4.3			P
7440-39-3	Barium	68.9			P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	0.16	B		P
7440-70-2	Calcium	4980			P
7440-47-3	Chromium	18.2			P
7440-48-4	Cobalt	11.7			P
7440-50-8	Copper	40.7			P
7439-89-6	Iron	17300			P
7439-92-1	Lead	105			P
7439-95-4	Magnesium	2330			P
7439-96-5	Manganese	458			P
7439-97-6	Mercury	1.5			CV
7440-02-0	Nickel	2890			P
7440-09-7	Potassium	956			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.09	U		P
7440-23-5	Sodium	1020			P
7440-28-0	Thallium	0.80	B		P
7440-62-2	Vanadium	24.4			P
7440-66-6	Zinc	74.1			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO. B24585

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 87.3

Lab Sample ID: 266702
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6220			P
7440-36-0	Antimony	0.34	U		P
7440-38-2	Arsenic	2.5			P
7440-39-3	Barium	93.5			P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	0.11	B		P
7440-70-2	Calcium	4090			P
7440-47-3	Chromium	14.0			P
7440-48-4	Cobalt	9.3			P
7440-50-8	Copper	24.9			P
7439-89-6	Iron	12900			P
7439-92-1	Lead	126			P
7439-95-4	Magnesium	1500			P
7439-96-5	Manganese	214			P
7439-97-6	Mercury	0.97			CV
7440-02-0	Nickel	5470			P
7440-09-7	Potassium	544	B		P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.09	U		P
7440-23-5	Sodium	555	B		P
7440-28-0	Thallium	0.50	B		P
7440-62-2	Vanadium	20.1			P
7440-66-6	Zinc	69.9			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B28512

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 87.4

Lab Sample ID: 266703
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6260			P
7440-36-0	Antimony	0.34	U		P
7440-38-2	Arsenic	1.9			P
7440-39-3	Barium	32.4			P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	466	B		P
7440-47-3	Chromium	11.8			P
7440-48-4	Cobalt	7.6			P
7440-50-8	Copper	9.4			P
7439-89-6	Iron	15500			P
7439-92-1	Lead	5.8			P
7439-95-4	Magnesium	1470			P
7439-96-5	Manganese	236			P
7439-97-6	Mercury	0.03	B		CV
7440-02-0	Nickel	2590			P
7440-09-7	Potassium	509	B		P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.09	U		P
7440-23-5	Sodium	298	B		P
7440-28-0	Thallium	0.57	B		P
7440-62-2	Vanadium	17.4			P
7440-66-6	Zinc	23.3			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B21216

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 84.8

Lab Sample ID: 266704
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9590			P
7440-36-0	Antimony	0.59	B		P
7440-38-2	Arsenic	3.5			P
7440-39-3	Barium	87.7			P
7440-41-7	Beryllium	0.54	B		P
7440-43-9	Cadmium	0.05	B		P
7440-70-2	Calcium	5050			P
7440-47-3	Chromium	32.2			P
7440-48-4	Cobalt	10.9			P
7440-50-8	Copper	19.1			P
7439-89-6	Iron	23400			P
7439-92-1	Lead	7.3			P
7439-95-4	Magnesium	4400			P
7439-96-5	Manganese	354			P
7439-97-6	Mercury	0.05	B		CV
7440-02-0	Nickel	1730			P
7440-09-7	Potassium	2770			P
7782-49-2	Selenium	0.26	U		P
7440-22-4	Silver	0.09	U		P
7440-23-5	Sodium	79.0	B		P
7440-28-0	Thallium	2.1			P
7440-62-2	Vanadium	36.5			P
7440-66-6	Zinc	50.5			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B30525

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

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

Lab Sample ID: 268501
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5850			P
7440-36-0	Antimony	2.9	B		P
7440-38-2	Arsenic	3.7			P
7440-39-3	Barium	98.9			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	0.27	B		P
7440-70-2	Calcium	16000			P
7440-47-3	Chromium	12.2			P
7440-48-4	Cobalt	6.7			P
7440-50-8	Copper	29.2			P
7439-89-6	Iron	12100			P
7439-92-1	Lead	166			P
7439-95-4	Magnesium	1760			P
7439-96-5	Manganese	435			P
7439-97-6	Mercury	0.63			CV
7440-02-0	Nickel	13.8			P
7440-09-7	Potassium	789			P
7782-49-2	Selenium	0.48	B		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	186	B		P
7440-28-0	Thallium	2.9			P
7440-62-2	Vanadium	18.4			P
7440-66-6	Zinc	147			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO. B34585

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

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

Lab Sample ID: 268502
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6570			P
7440-36-0	Antimony	0.29	U		P
7440-38-2	Arsenic	3.4			P
7440-39-3	Barium	89.3			P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	2570			P
7440-47-3	Chromium	14.3			P
7440-48-4	Cobalt	6.7			P
7440-50-8	Copper	23.0			P
7439-89-6	Iron	13600			P
7439-92-1	Lead	83.5			P
7439-95-4	Magnesium	1580			P
7439-96-5	Manganese	179			P
7439-97-6	Mercury	1.5			CV
7440-02-0	Nickel	37.8			P
7440-09-7	Potassium	533			P
7782-49-2	Selenium	0.45	B		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	71.6	B		P
7440-28-0	Thallium	0.25	U		P
7440-62-2	Vanadium	18.4			P
7440-66-6	Zinc	46.8			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B385125

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

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

Lab Sample ID: 268503
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8930			P
7440-36-0	Antimony	0.36	B		P
7440-38-2	Arsenic	3.0			P
7440-39-3	Barium	33.8			P
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	1080			P
7440-47-3	Chromium	13.4			P
7440-48-4	Cobalt	4.8			P
7440-50-8	Copper	14.2			P
7439-89-6	Iron	14100			P
7439-92-1	Lead	14.7			P
7439-95-4	Magnesium	1550			P
7439-96-5	Manganese	146			P
7439-97-6	Mercury	0.15			CV
7440-02-0	Nickel	9.9			P
7440-09-7	Potassium	409	B		P
7782-49-2	Selenium	0.21	B		P
7440-22-4	Silver	0.07	U		P
7440-23-5	Sodium	32.8	U		P
7440-28-0	Thallium	0.63	B		P
7440-62-2	Vanadium	19.6			P
7440-66-6	Zinc	24.5			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO. B3125165

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

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

Lab Sample ID: 268504
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11500			P
7440-36-0	Antimony	0.34	B		P
7440-38-2	Arsenic	2.4			P
7440-39-3	Barium	82.5			P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	628			P
7440-47-3	Chromium	21.5			P
7440-48-4	Cobalt	8.3			P
7440-50-8	Copper	20.8			P
7439-89-6	Iron	20800			P
7439-92-1	Lead	6.5			P
7439-95-4	Magnesium	4350			P
7439-96-5	Manganese	245			P
7439-97-6	Mercury	0.06	B		CV
7440-02-0	Nickel	463			P
7440-09-7	Potassium	1790			P
7782-49-2	Selenium	0.23	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	37.4	B		P
7440-28-0	Thallium	1.2			P
7440-62-2	Vanadium	30.7			P
7440-66-6	Zinc	48.3			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO. B40545

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

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

Lab Sample ID: 268508
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5320			P
7440-36-0	Antimony	0.30	U		P
7440-38-2	Arsenic	3.6			P
7440-39-3	Barium	104			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	5010			P
7440-47-3	Chromium	80.9			P
7440-48-4	Cobalt	9.6			P
7440-50-8	Copper	36.9			P
7439-89-6	Iron	12900			P
7439-92-1	Lead	162			P
7439-95-4	Magnesium	1300			P
7439-96-5	Manganese	214			P
7439-97-6	Mercury	4.7			CV
7440-02-0	Nickel	329			P
7440-09-7	Potassium	629			P
7782-49-2	Selenium	0.46	B		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	57.1	B		P
7440-28-0	Thallium	0.36	B		P
7440-62-2	Vanadium	17.7			P
7440-66-6	Zinc	74.7			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO. B44585

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

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

Lab Sample ID: 268505
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7930			P
7440-36-0	Antimony	0.29	U		P
7440-38-2	Arsenic	5.5			P
7440-39-3	Barium	135			P
7440-41-7	Beryllium	0.23	B		P
7440-43-9	Cadmium	0.04	B		P
7440-70-2	Calcium	3410			P
7440-47-3	Chromium	457			P
7440-48-4	Cobalt	5.9			P
7440-50-8	Copper	40.5			P
7439-89-6	Iron	14600			P
7439-92-1	Lead	3280			P
7439-95-4	Magnesium	1450			P
7439-96-5	Manganese	279			P
7439-97-6	Mercury	2.1			CV
7440-02-0	Nickel	306			P
7440-09-7	Potassium	482			P
7782-49-2	Selenium	0.94			P
7440-22-4	Silver	0.30	B		P
7440-23-5	Sodium	247	B		P
7440-28-0	Thallium	0.38	B		P
7440-62-2	Vanadium	20.0			P
7440-66-6	Zinc	130			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B485125

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

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

Lab Sample ID: 268506
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6760			P
7440-36-0	Antimony	3.2	B		P
7440-38-2	Arsenic	2.6			P
7440-39-3	Barium	37.2			P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	0.06	B		P
7440-70-2	Calcium	726			P
7440-47-3	Chromium	86.3			P
7440-48-4	Cobalt	7.4			P
7440-50-8	Copper	15.3			P
7439-89-6	Iron	21400			P
7439-92-1	Lead	18.3			P
7439-95-4	Magnesium	1570			P
7439-96-5	Manganese	558			P
7439-97-6	Mercury	0.05	B		CV
7440-02-0	Nickel	107			P
7440-09-7	Potassium	644			P
7782-49-2	Selenium	0.22	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	34.8	U		P
7440-28-0	Thallium	3.5			P
7440-62-2	Vanadium	22.5			P
7440-66-6	Zinc	24.3			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B4125165

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

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

Lab Sample ID: 268507
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5500			P
7440-36-0	Antimony	0.29	U		P
7440-38-2	Arsenic	1.7			P
7440-39-3	Barium	60.3			P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	1100			P
7440-47-3	Chromium	91.9			P
7440-48-4	Cobalt	6.3			P
7440-50-8	Copper	14.1			P
7439-89-6	Iron	17600			P
7439-92-1	Lead	3.7			P
7439-95-4	Magnesium	1940			P
7439-96-5	Manganese	784			P
7439-97-6	Mercury	0.07	B		CV
7440-02-0	Nickel	256			P
7440-09-7	Potassium	726			P
7782-49-2	Selenium	0.23	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	46.9	B		P
7440-28-0	Thallium	0.31	B		P
7440-62-2	Vanadium	19.6			P
7440-66-6	Zinc	19.3			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B50545

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 87.9

Lab Sample ID: 266705
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5910			P
7440-36-0	Antimony	0.89	B		P
7440-38-2	Arsenic	6.1			P
7440-39-3	Barium	78.6			P
7440-41-7	Beryllium	0.35	B		P
7440-43-9	Cadmium	0.24	B		P
7440-70-2	Calcium	13400			P
7440-47-3	Chromium	245			P
7440-48-4	Cobalt	7.3			P
7440-50-8	Copper	47.4			P
7439-89-6	Iron	16000			P
7439-92-1	Lead	93.1			P
7439-95-4	Magnesium	1500			P
7439-96-5	Manganese	232			P
7439-97-6	Mercury	3.0			CV
7440-02-0	Nickel	585			P
7440-09-7	Potassium	824			P
7782-49-2	Selenium	0.26	B		P
7440-22-4	Silver	0.09	U		P
7440-23-5	Sodium	132	B		P
7440-28-0	Thallium	0.85	B		P
7440-62-2	Vanadium	21.7			P
7440-66-6	Zinc	119			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:

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NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B51216

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 90.3

Lab Sample ID: 266707
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5080			P
7440-36-0	Antimony	1.1	B		P
7440-38-2	Arsenic	2.0			P
7440-39-3	Barium	57.0			P
7440-41-7	Beryllium	0.39	B		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	772			P
7440-47-3	Chromium	76.6			P
7440-48-4	Cobalt	7.6			P
7440-50-8	Copper	17.0			P
7439-89-6	Iron	24400			P
7439-92-1	Lead	4.4			P
7439-95-4	Magnesium	2290			P
7439-96-5	Manganese	1020			P
7439-97-6	Mercury	1.6			CV
7440-02-0	Nickel	152			P
7440-09-7	Potassium	660			P
7782-49-2	Selenium	0.24	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	37.4	U		P
7440-28-0	Thallium	1.4			P
7440-62-2	Vanadium	27.0			P
7440-66-6	Zinc	23.7			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO. B58512

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): SOIL
Level (low/high) : LOW
Percent Solids : 91.3

Lab Sample ID: 266706
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6210			P
7440-36-0	Antimony	1.4	B		P
7440-38-2	Arsenic	3.3			P
7440-39-3	Barium	38.5			P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	0.03	U		P
7440-70-2	Calcium	1290			P
7440-47-3	Chromium	81.4			P
7440-48-4	Cobalt	8.5			P
7440-50-8	Copper	15.0			P
7439-89-6	Iron	22300			P
7439-92-1	Lead	9.2			P
7439-95-4	Magnesium	1840			P
7439-96-5	Manganese	601			P
7439-97-6	Mercury	1.4			CV
7440-02-0	Nickel	168			P
7440-09-7	Potassium	614			P
7782-49-2	Selenium	0.24	U		P
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	37.7	U		P
7440-28-0	Thallium	1.8			P
7440-62-2	Vanadium	23.4			P
7440-66-6	Zinc	30.3			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

FB

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: 268509
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	40.5	B		P
7440-36-0	Antimony	5.0	B		P
7440-38-2	Arsenic	2.4	U		P
7440-39-3	Barium	4.6	U		P
7440-41-7	Beryllium	0.60	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	332	U		P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	2.2	U		P
7440-50-8	Copper	63.9			P
7439-89-6	Iron	79.0	B		P
7439-92-1	Lead	2.7	B		P
7439-95-4	Magnesium	232	U		P
7439-96-5	Manganese	0.94	B		P
7439-97-6	Mercury	0.09	B		CV
7440-02-0	Nickel	2.6	U		P
7440-09-7	Potassium	1900	B		P
7782-49-2	Selenium	2.3	U		P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	60400			P
7440-28-0	Thallium	2.6	U		P
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	84.7			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:

Soil Sampling - TCLP Metals

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B10545

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T266708
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.083	B		P
7440-39-3	Barium	0.98			P
7440-43-9	Cadmium	0.0080			P
7440-47-3	Chromium	0.11			P
7439-92-1	Lead	4.4			P
7439-97-6	Mercury	0.00026			CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

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NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B14585

me: NYTEST_ENV_INC Contract: 9723508

i : NYTEST Login No.: 32683 QC Report No.32683

(soil/water): WATER
(ow/high) : LOW
: Solids : 0.0

Lab Sample ID: T268301
Date Received: 10/17/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	1.0			P
7440-43-9	Cadmium	0.0048	B		P
7440-47-3	Chromium	0.048			P
7439-92-1	Lead	0.40			P
7439-97-6	Mercury	0.0017			CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	U		P

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

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B18512

me: NYTEST_ENV_INC Contract: 9723508

e: NYTEST Login No.: 32683 QC Report No.32683

x (soil/water): WATER
low/high) : LOW
Solids : 0.0

Lab Sample ID: T268302
Date Received: 10/17/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	0.82			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.0034	U		P
7439-92-1	Lead	0.0078	U		P
7439-97-6	Mercury	0.00037			CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	U		P

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

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B11256

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32683 QC Report No.32683

Matrix (soil/water): WATER
Level (low/high) : LOW
% Solids : 0.0

Lab Sample ID: T268303
Date Received: 10/17/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	0.69			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.0050	B		P
7439-92-1	Lead	0.0078	U		P
7439-97-6	Mercury	0.000071	B		CV
7782-49-2	Selenium	0.047	B		P
7440-22-4	Silver	0.0043	U		P

IS :
CP; F : GFAA; CV: Cold Vapor; AS: Automated Spectrophotometric
ote: A "U" in the "C" (Concentration) column indicates the analyte was
ot detected in this sample; "B" = Sample value greater than Instrument
et ction Limit, but less than reporting limit; "NR" = Not Required.
nes:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B20545

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T266701
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.060	B		P
7440-39-3	Barium	0.76			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.0086	B		P
7439-92-1	Lead	0.23			P
7439-97-6	Mercury	0.00016	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO. B24585

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T266702
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.096	B		P
7440-39-3	Barium	0.71			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.0034	U		P
7439-92-1	Lead	0.24			P
7439-97-6	Mercury	0.00017	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B28512

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T266703
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	0.78			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.0034	U		P
7439-92-1	Lead	0.0078	U		P
7439-97-6	Mercury	0.00016	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B21216

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T266704
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.051	B		P
7440-39-3	Barium	0.70			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.0038	B		P
7439-92-1	Lead	0.0078	U		P
7439-97-6	Mercury	0.00019	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO. B30525

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T268501
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	0.96			P
7440-43-9	Cadmium	0.0050	B		P
7440-47-3	Chromium	0.0034	U		P
7439-92-1	Lead	3.6			P
7439-97-6	Mercury	0.000055	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

000041

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B34585

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T268502
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	1.0			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.0034	U		P
7439-92-1	Lead	0.14			P
7439-97-6	Mercury	0.000081	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B385125

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

Matrix (soil/water): WATER Lab Sample ID: T268503
Level (low/high) : LOW Date Received: 10/20/97
Percent Solids : 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	0.90			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.0034	U		P
7439-92-1	Lead	0.039	B		P
7439-97-6	Mercury	0.000098	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B3125165

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T268504
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	0.64			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.0034	U		P
7439-92-1	Lead	0.013	B		P
7439-97-6	Mercury	0.000040	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO. B40545

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T268508
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	0.81			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.21			P
7439-92-1	Lead	0.084			P
7439-97-6	Mercury	0.000067	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO. B44585

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T268505
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	0.81			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.80			P
7439-92-1	Lead	0.18			P
7439-97-6	Mercury	0.000053	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO. B485125

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T268506
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	0.87			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.89			P
7439-92-1	Lead	0.0082	B		P
7439-97-6	Mercury	0.000048	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO. B4125165

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32685 QC Report No.32685

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T268507
Date Received: 10/20/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	1.1			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.72			P
7439-92-1	Lead	0.012	B		P
7439-97-6	Mercury	0.000062	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

B50545

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T266705
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	1.1			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.91			P
7439-92-1	Lead	0.028	B		P
7439-97-6	Mercury	0.00025			CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO. B58512

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T266706
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	0.74			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.39			P
7439-92-1	Lead	0.0078	U		P
7439-97-6	Mercury	0.00015	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO. B51216

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32667 QC Report No.32667

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: T266707
Date Received: 10/16/97

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.024	U		P
7440-39-3	Barium	1.3			P
7440-43-9	Cadmium	0.0025	U		P
7440-47-3	Chromium	0.27			P
7439-92-1	Lead	0.0078	U		P
7439-97-6	Mercury	0.00013	B		CV
7782-49-2	Selenium	0.042	U		P
7440-22-4	Silver	0.0043	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:

Soil Sampling - Hexavalent Chromium

Hexavalent Chromium Results

Client: AKRF
Login: 32683
Correlation Coefficient: 0.99950

Project No.: 9723508
Report: NEI
SDG #: NONE

	Sample ID	Client ID	Date Analyzed	Sample Weight grams	Percent (%) Moisture	Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	Final Concentration mg/Kg DRY WT BASIS	C
1	3268301	B14585	10/19/97	2.569	5.7	0.124	0.028	100	1	4.0	
2	3268302	B18512	10/19/97	2.554	13.2	0.125	0.089	100	1	2.3	U
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23	3268303	B11256	10/19/97	2.352	16.5	0.085	0.040	100	1	2.5	U
24	3268303	B11256	10/19/97	2.366	16.5	0.089	0.040	100	1	2.5	U

SAMPLE / DUPLICATE DATA

Sample ID	Client ID	Date Analyzed	Sample Weight grams	Percent (%) Moisture	Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	Final Concentration mg/Kg DRY WT BASIS	% RPD
3268303	B11256	10/19/97	2.352	16.5	0.085	0.040	100	1	2.5	xxxxxx
3268303	B11256	10/19/97	2.366	16.5	0.089	0.040	100	1	2.5	NC

U= COMPOUND NOT DETECTED NC=NON CALCULABLE

SPIKE DATA

Sample ID	Client ID	Date Analyzed	Sample Weight grams	Percent (%) Moisture	Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	Final Concentration mg/Kg DRY WT BASIS	Amount Spiked mg/Kg	% Recovery
3268303	B11256	10/19/97	2.561	16.5	0.241	0.037	100	1	9.5	23.38	40.6

POST SPIKE DATA

										PSpike mg/L	
3268303	B11256	10/19/97	2.558	16.5	0.200	0.040	100	1	7.5	0.159	106.7

CALIBRATION /QC DATA

Conc.	Abs.
0	0
0.3	0.069
0.5	0.301
1	0.685
1.5	0.969
2	1.333

Corr: 0.99950

	QC ID		Date Analyzed	True value of CCS mg/L		Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	% RECOVERY	RANGE 90-110 STATUS
1	CCS1		10/19/97	1		1.037	0.000	100	1	104.0	OK
2	CCS2		10/19/97	1		1.043	0.000	100	1	104.0	OK
3	CCS3			1			0.000	100	1		
4	CCS4			1			0.000	100	1		
5	CCS5			1			0.000	100	1		
	QC ID		Date Analyzed	Sample Weight grams	Percent Moisture %	Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	Final Concentration mg/Kg DRY WT BASIS	C
	PBS		10/19/97	2.5	0	0.007	0.007	100	1	2.0	U
1	CCB1		10/19/97	0		0.007	0.007	100	1	NA	
2	CCB2		10/19/97	0		0.007	0.007	100	1	NA	
3	CCB3			0			0.007	100	1	NA	
4	CCB4			0			0.007	100	1	NA	
5	CCB5			0			0.007	100	1	NA	

Hexavalent Chromium Results

Client: A.K.R.F.
Login: 32667
Correlation Coefficient: 0.99951

Project No.: 9723508
Report: FLDDCLP
SDG #: NONE

	Sample ID	Client ID	Date Analyzed	Sample Weight grams	Percent (%) Moisture	Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	Final Concentration mg/Kg DRY WT BASIS	C
1	3266701	B2545	10/17/97	2.446	13.2	0.082	0.081	100	1	2.4	U
2	3266702	B24585	10/17/97	2.656	12.7	0.131	0.127	100	1	2.2	U
3	3266703	B28512	10/17/97	2.496	12.6	0.062	0.062	100	1	2.3	U
4	3266704	B21216	10/17/97	2.493	15.2	0.044	0.043	100	1	2.4	U
5	3266705	B50545	10/17/97	2.534	12.1	1.286	0.113	100	1	53.0	
6	3266706	B58512	10/17/97	2.595	8.7	0.989	0.129	100	1	36.0	
7	3266707	B51216	10/17/97	2.501	9.7	0.176	0.172	100	1	2.2	U
8	3266708	B10545	10/17/97	2.626	13.7	0.206	0.201	100	1	2.2	U
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22											
23	3266708	B10545	10/17/97	2.626	13.7	0.206	0.201	100	1	2.2	U
24	3266708D	B10545	10/17/97	2.511	13.7	0.188	0.194	100	1	2.3	U

SAMPLE / DUPLICATE DATA

Sample ID	Client ID	Date Analyzed	Sample Weight grams	Percent (%) Moisture	Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	Final Concentration mg/Kg DRY WT BASIS	% RPD
3266708	B10545	10/17/97	2.626	13.7	0.206	0.201	100	1	2.2	xxxxxx
3266708D	B10545	10/17/97	2.511	13.7	0.188	0.194	100	1	2.3	NC

U= COMPOUND NOT DETECTED NC=NON CALCULABLE

SPIKE DATA

Sample ID	Client ID	Date Analyzed	Sample Weight grams	Percent (%) Moisture	Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	Final Concentration mg/Kg DRY WT BASIS	Amount Spiked mg/Kg	% Recovery
3266708S	B10545	10/17/97	2.509	13.7	0.367	0.145	100	1	10.0	23.09	43.3

POST SPIKE DATA

Sample ID	Client ID	Date Analyzed	Sample Weight grams	Percent (%) Moisture	Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	Final Concentration mg/Kg DRY WT BASIS	PSpike mg/L	% Recovery
3266708P	B10545	10/17/97	2.626	13.7	0.288	0.166	100	1	5.4	0.150	81.3

CALIBRATION /QC DATA

Conc.	Abs.
0	0
0.1	0.072
0.5	0.329
1	0.649
1.5	1.037
2	1.378

Corrl: 0.99951

	QC ID		Date Analyzed	True value of CCS mg/L		Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	% RECOVERY	RANGE 90-110 STATUS
1	CCS1		10/17/97	1		0.975	0.000	100	1	97.5	OK
2	CCS2		10/17/97	1		0.975	0.000	100	1	97.5	OK
3	CCS3		10/17/97	1		0.950	0.000	100	1	95.0	OK
4	CCS4			1			0.000	100	1		
5	CCS5			1			0.000	100	1		

	QC ID		Date Analyzed	Sample Weight grams	Percent Moisture %	Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	Final Concentration mg/Kg DRY WT BASIS	C
	PBS		10/17/97	2.5	0	0.011	0.011	100	1	2.0	U
1	CCB1		10/17/97	0		0.011	0.011	100	1	NA	
2	CCB2		10/17/97	0		0.011	0.011	100	1	NA	
3	CCB3		10/17/97	0		0.012	0.012	100	1	NA	
4	CCB4			0			0.011	100	1	NA	
5	CCB5			0			0.011	100	1	NA	

Hexavalent Chromium Results

Client: A.K.R.F.
Login: 32685
Correlation Coefficient: 0.99989

Project No.: 9723508
Report: FLDDCLP
SDG #: NONE

	Sample ID	Client ID	Date Analyzed	Sample Weight grams	Percent (%) Moisture	Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	Final Concentration mg/Kg DRY WT BASIS	C
1	3268501	B30525	10/21/97	2.547	9.3	0.104	0.104	100	1	2.2	U
2	3268502	B34585	10/21/97	2.72	14	0.219	0.253	100	1	2.1	U
3	3268503	B385125	10/21/97	2.525	14.4	0.116	0.132	100	1	2.3	U
4	3268504	B3125165	10/21/97	2.506	19.8	0.026	0.029	100	1	2.5	U
5	3268505	B44585	10/21/97	2.574	14.8	1.063	0.156	100	1	41.0	
6	3268506	B485125	10/21/97	2.611	8	1.420	0.107	100	1	55.0	
7	3268507	B4125165	10/21/97	2.52	9.5	1.451	0.101	100	1	59.0	
8	3268508	B40545	10/21/97	2.541	11.5	0.284	0.148	100	1	6.0	
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10											
11											
12											
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14											
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16											
17											
18											
19											
20											
21											
22											
23	3268506	B485125	10/21/97	2.611	8	1.420	0.107	100	1	55.0	
24	3268506DU	B485125	10/21/97	2.623	8	1.534	0.122	100	1	59.0	

SAMPLE / DUPLICATE DATA

											% RPD
3268506	B485125	10/21/97	2.611	8	1.420	0.107	100	1	55.0	xxxxxx
3268506DU	B485125	10/21/97	2.623	8	1.534	0.122	100	1	59.0	7.0

U= COMPOUND NOT DETECTED NC=NON CALCULABLE

SPIKE DATA

Sample ID	Client ID	Date Analyzed	Sample Weight grams	Percent (%) Moisture	Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	Final Concentration mg/Kg DRY WT BASIS	Amount Spiked mg/Kg	% Recovery
3268506S	B485125	10/21/97	2.613	8	1.725	0.100	100	1	68.0	20.80	62.5

POST SPIKE DATA

										PSpike mg/L	
3268506P	B485125	10/21/97	2.611	8	0.808	0.028	100	5	160.0	55.000	97.6

CALIBRATION /QC DATA

Conc.	Abs.
0	0
0.1	0.072
0.5	0.344
1	0.696
1.5	1.011
2	1.345

Corrl: 0.99989

	QC ID		Date Analyzed	True value of CCS mg/L		Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	% RECOVERY	RANGE 90-110 STATUS
1	CCS1		10/21/97	1		1.027	0.000	100	1	103.0	OK
2	CCS2		10/21/97	1		0.992	0.000	100	1	99.2	OK
3	CCS3		10/21/97	1		1.001	0.000	100	1	100.0	OK
4	CCS4			1			0.000	100	1		
5	CCS5			1			0.000	100	1		
	QC ID		Date Analyzed	Sample Weight grams	Percent Moisture %	Sample Conc. in mg/L	Background Conc. in mg/L	Final Volume (ml)	Dilution	Final Concentration mg/Kg DRY WT BASIS	C
	PBS		10/21/97	2.5	0	-0.005	-0.005	100	1	2.0	U
1	CCB1		10/21/97	0		-0.005	-0.005	100	1	NA	
2	CCB2		10/21/97	0		-0.005	-0.005	100	1	NA	
3	CCB3		10/21/97	0		-0.005	-0.005	100	1	NA	
4	CCB4			0			-0.005	100	1	NA	
5	CCB5			0			-0.005	100	1	NA	

Soil Sampling - Volatile Organic Compounds

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B202

Lab Name: NYTEST ENV INC. Contract: 9723508

Lab Code: NYTEST Case No.: 32667 SAS No.: SDG No.: 32667

Matrix: (soil/water) SOIL Lab Sample ID: 3266709

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N6978.D

Level: (low/med) LOW Date Received: 10/16/97

% Moisture: not dec. 13 Data Analyzed: 11/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	5	JB
67-64-1	Acetone	20	
75-15-0	Carbon Disulfide	2	J
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U
108-05-4	Vinyl Acetate	11	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
B40545

Lab Name: NYTEST ENV INC. Contract: 9723508

Lab Code: NYTEST Case No.: 32685 SAS No.: SDG No.: 32685

Matrix: (soil/water) SOIL Lab Sample ID: 3268508

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N6976.D

Level: (low/med) LOW Date Received: 10/20/97

% Moisture: not dec. 12 Data Analyzed: 11/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	12	B
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U
108-05-4	Vinyl Acetate	11	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB

Lab Name: NYTEST ENV INC. Contract: 9723508

Lab Code: NYTEST Case No.: 32685 SAS No.: SDG No.: 32685

Matrix: (soil/water) WATER Lab Sample ID: 3268509

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P9950.D

Level: (low/med) LOW Date Received: 10/20/97

% Moisture: not dec. _____ Data Analyzed: 10/24/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
108-05-4	Vinyl Acetate	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: NYTEST ENV INC. Contract: 9723508

Lab Code: NYTEST Case No.: 32685 SAS No.: SDG No.: 32685

Matrix: (soil/water) WATER Lab Sample ID: 3268510

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P9949.D

Level: (low/med) LOW Date Received: 10/20/97

% Moisture: not dec. _____ Data Analyzed: 10/24/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
108-05-4	Vinyl Acetate	10	U

000021

Soil Sampling - General Chemistry

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B10545
Lab ID: 32667-08

Date Collected: 10/16/97
Date Received: 10/16/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/17/97	10/17/97	ML
pH	1.00	NA	9.31		1.00	10/16/97	10/16/97	RF
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Total Cyanide	0.58	mg/Kg	3.90		1.00	10/25/97	10/25/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B14585
Lab ID: 32683-01

Date Collected: 10/17/97
Date Received: 10/17/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/20/97	10/20/97	ML
pH	1.00	NA	8.74		1.00	10/20/97	10/20/97	ML
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Total Cyanide	0.53	mg/Kg	1.33		1.00	10/25/97	10/25/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B18512
Lab ID: 32683-02

Date Collected: 10/17/97
Date Received: 10/17/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/20/97	10/20/97	ML
pH	1.00	NA	6.96		1.00	10/20/97	10/20/97	ML
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Total Cyanide	0.58	mg/Kg	0.58	U	1.00	10/25/97	10/25/97	KV

U: Below reporting limit
B: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B11256
Lab ID: 32683-03

Date Collected: 10/17/97
Date Received: 10/17/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/20/97	10/20/97	ML
pH	1.00	NA	7.25		1.00	10/20/97	10/20/97	ML
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Total Cyanide	0.60	mg/Kg	0.60	U	1.00	10/25/97	10/25/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B20545
Lab ID: 32667-01

Date Collected: 10/16/97
Date Received: 10/16/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/17/97	10/17/97	ML
pH	1.00	NA	8.01		1.00	10/16/97	10/16/97	RF
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Total Cyanide	0.58	mg/Kg	1.59		1.00	10/25/97	10/25/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B24585
Lab ID: 32667-02

Date Collected: 10/16/97
Date Received: 10/16/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/17/97	10/17/97	ML
pH	1.00	NA	7.59		1.00	10/16/97	10/16/97	RF
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Total Cyanide	0.57	mg/Kg	4.02		1.00	10/25/97	10/25/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B21216
Lab ID: 32667-04

Date Collected: 10/16/97
Date Received: 10/16/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/17/97	10/17/97	ML
pH	1.00	NA	5.43		1.00	10/16/97	10/16/97	RF
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Total Cyanide	0.59	mg/Kg	0.59	U	1.00	10/25/97	10/25/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B28512
Lab ID: 32667-03

Date Collected: 10/16/97
Date Received: 10/16/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/17/97	10/17/97	ML
pH	1.00	NA	4.99		1.00	10/16/97	10/16/97	RF
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Total Cyanide	0.57	mg/Kg	0.57	U	1.00	10/25/97	10/25/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B30525
Lab ID: 32685-01

Date Collected: 10/19/97
Date Received: 10/20/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/21/97	10/21/97	ML
pH	1.00	NA	9.94		1.00	10/21/97	10/21/97	ML
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Total Cyanide	0.55	mg/Kg	1.30		1.00	10/29/97	10/29/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B34585
Lab ID: 32685-02

Date Collected: 10/19/97
Date Received: 10/20/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/21/97	10/21/97	ML
pH	1.00	NA	8.22		1.00	10/21/97	10/21/97	ML
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Total Cyanide	0.58	mg/Kg	14.2		1.00	10/29/97	10/29/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B385125
Lab ID: 32685-03

Date Collected: 10/19/97
Date Received: 10/20/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/21/97	10/21/97	ML
pH	1.00	NA	7.25		1.00	10/21/97	10/21/97	ML
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Total Cyanide	0.58	mg/Kg	0.58	U	1.00	10/29/97	10/29/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B3125165
Lab ID: 32685-04

Date Collected: 10/19/97
Date Received: 10/20/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/21/97	10/21/97	ML
pH	1.00	NA	4.88		1.00	10/21/97	10/21/97	ML
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Total Cyanide	0.62	mg/Kg	0.62	U	1.00	10/29/97	10/29/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B40545
Lab ID: 32685-08

Date Collected: 10/19/97
Date Received: 10/20/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/21/97	10/21/97	ML
pH	1.00	NA	8.09		1.00	10/21/97	10/21/97	ML
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Total Cyanide	0.56	mg/Kg	0.56	U	1.00	10/29/97	10/29/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B44585
Lab ID: 32685-05

Date Collected: 10/19/97
Date Received: 10/20/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/21/97	10/21/97	ML
pH	1.00	NA	7.78		1.00	10/21/97	10/21/97	ML
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Total Cyanide	0.59	mg/Kg	13.8		1.00	10/29/97	10/29/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B485125
Lab ID: 32685-06

Date Collected: 10/19/97
Date Received: 10/20/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/21/97	10/21/97	ML
pH	1.00	NA	7.15		1.00	10/21/97	10/21/97	ML
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Total Cyanide	0.54	mg/Kg	0.54	U	1.00	10/29/97	10/29/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B4125165
Lab ID: 32685-07

Date Collected: 10/19/97
Date Received: 10/20/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/21/97	10/21/97	ML
pH	1.00	NA	6.34		1.00	10/21/97	10/21/97	ML
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/24/97	10/24/97	ML
Total Cyanide	0.55	mg/Kg	0.55	U	1.00	10/29/97	10/29/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B50545
Lab ID: 32667-05

Date Collected: 10/16/97
Date Received: 10/16/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/17/97	10/17/97	ML
pH	1.00	NA	9.47		1.00	10/16/97	10/16/97	RF
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Total Cyanide	0.57	mg/Kg	2.89		1.00	10/25/97	10/25/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B58512
Lab ID: 32667-06

Date Collected: 10/16/97
Date Received: 10/16/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01 U		1.00	10/17/97	10/17/97	ML
pH	1.00	NA	7.36		1.00	10/16/97	10/16/97	RF
Reactive Cyanide	1.00	ppm	1.00 U		1.00	10/20/97	10/20/97	ML
Reactive Sulfide	1.00	ppm	1.00 U		1.00	10/20/97	10/20/97	ML
Total Cyanide	0.55	mg/Kg	0.55 U		1.00	10/25/97	10/25/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: B51216
Lab ID: 32667-07

Date Collected: 10/16/97
Date Received: 10/16/97
Matrix: Soil
Concentration in: Dry Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Corrosivity	0.01	inch/yr	0.01	U	1.00	10/17/97	10/17/97	ML
pH	1.00	NA	7.37		1.00	10/16/97	10/16/97	RF
Reactive Cyanide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Reactive Sulfide	1.00	ppm	1.00	U	1.00	10/20/97	10/20/97	ML
Total Cyanide	0.55	mg/Kg	0.66		1.00	10/25/97	10/25/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: FB
Lab ID: 32685-09

Date Collected: 10/19/97
Date Received: 10/20/97
Matrix: Water
Concentration in: Wet Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Hexavalent Chromium	0.01	mg/L	0.01	U	1.00	10/20/97	10/20/97	KV
Total Cyanide	0.010	mg/L	0.010	U	1.00	10/20/97	10/21/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

Groundwater Sampling - Total TAL Metals (unfiltered)

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO. MW-1

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32745 QC Report No.32745

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: 274501
Date Received: 10/27/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	55400			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.4	U		P
7440-39-3	Barium	519			P
7440-41-7	Beryllium	3.9	B		P
7440-43-9	Cadmium	4.9	B		P
7440-70-2	Calcium	457000			P
7440-47-3	Chromium	183			P
7440-48-4	Cobalt	489			P
7440-50-8	Copper	208			P
7439-89-6	Iron	208000			P
7439-92-1	Lead	84.5			P
7439-95-4	Magnesium	224000			P
7439-96-5	Manganese	130000			P
7439-97-6	Mercury	0.30			CV
7440-02-0	Nickel	449000			P
7440-09-7	Potassium	39200			P
7782-49-2	Selenium	2.3	U		P
7440-22-4	Silver	5.8	B		P
7440-23-5	Sodium	686000			P
7440-28-0	Thallium	14.3			P
7440-62-2	Vanadium	235			P
7440-66-6	Zinc	299			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-2

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32745 QC Report No.32745

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: 274502
Date Received: 10/27/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	33400			P
7440-36-0	Antimony	10.6	B		P
7440-38-2	Arsenic	17.4			P
7440-39-3	Barium	1160			P
7440-41-7	Beryllium	2.4	B		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	88200			P
7440-47-3	Chromium	99.6			P
7440-48-4	Cobalt	75.2			P
7440-50-8	Copper	119			P
7439-89-6	Iron	139000			P
7439-92-1	Lead	39.3			P
7439-95-4	Magnesium	33100			P
7439-96-5	Manganese	11300			P
7439-97-6	Mercury	0.40			CV
7440-02-0	Nickel	286			P
7440-09-7	Potassium	9560			P
7782-49-2	Selenium	3.4	B		P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	91500			P
7440-28-0	Thallium	5.7	B		P
7440-62-2	Vanadium	126			P
7440-66-6	Zinc	218			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-3

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32745 QC Report No.32745

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: 274503
Date Received: 10/27/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45200			P
7440-36-0	Antimony	14.5	B		P
7440-38-2	Arsenic	15.2			P
7440-39-3	Barium	351			P
7440-41-7	Beryllium	3.6	B		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	121000			P
7440-47-3	Chromium	154			P
7440-48-4	Cobalt	73.9			P
7440-50-8	Copper	161			P
7439-89-6	Iron	149000			P
7439-92-1	Lead	55.4			P
7439-95-4	Magnesium	83400			P
7439-96-5	Manganese	8770			P
7439-97-6	Mercury	0.21			CV
7440-02-0	Nickel	259			P
7440-09-7	Potassium	21300			P
7782-49-2	Selenium	7.0			P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	58300			P
7440-28-0	Thallium	11.1			P
7440-62-2	Vanadium	215			P
7440-66-6	Zinc	253			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO. MW-4

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32745 QC Report No.32745

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: 274504
Date Received: 10/27/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	173000			P
7440-36-0	Antimony	26.6	B		P
7440-38-2	Arsenic	70.6			P
7440-39-3	Barium	1270			P
7440-41-7	Beryllium	9.7			P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	149000			P
7440-47-3	Chromium	395			P
7440-48-4	Cobalt	180			P
7440-50-8	Copper	439			P
7439-89-6	Iron	575000			P
7439-92-1	Lead	150			P
7439-95-4	Magnesium	83500			P
7439-96-5	Manganese	13900			P
7439-97-6	Mercury	0.52			CV
7440-02-0	Nickel	380			P
7440-09-7	Potassium	47000			P
7782-49-2	Selenium	2.3	U		P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	125000			P
7440-28-0	Thallium	35.7			P
7440-62-2	Vanadium	566			P
7440-66-6	Zinc	851			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:

Groundwater Sampling - Dissolved TAL Metals (filtered)

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

DMW-1

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32745 QC Report No.32745

Matrix (soil/water): WATER Lab Sample ID: D274501
Level (low/high) : LOW Date Received: 10/27/97
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	106	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.4	U		P
7440-39-3	Barium	47.6	B		P
7440-41-7	Beryllium	0.60	U		P
7440-43-9	Cadmium	5.1			P
7440-70-2	Calcium	500000			P
7440-47-3	Chromium	30.2			P
7440-48-4	Cobalt	487			P
7440-50-8	Copper	1.5	U		P
7439-89-6	Iron	1930			P
7439-92-1	Lead	23.0			P
7439-95-4	Magnesium	227000			P
7439-96-5	Manganese	131000			P
7439-97-6	Mercury	0.20			CV
7440-02-0	Nickel	443000			P
7440-09-7	Potassium	27100			P
7782-49-2	Selenium	11.3			P
7440-22-4	Silver	8.1	B		P
7440-23-5	Sodium	719000			P
7440-28-0	Thallium	5.0	B		P
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	143			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DMW-2

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32745 QC Report No.32745

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: D274502
Date Received: 10/27/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	82.4	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.4	U		P
7440-39-3	Barium	468			P
7440-41-7	Beryllium	0.60	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	83500			P
7440-47-3	Chromium	15.1			P
7440-48-4	Cobalt	7.5	B		P
7440-50-8	Copper	1.5	U		P
7439-89-6	Iron	123			P
7439-92-1	Lead	3.0			P
7439-95-4	Magnesium	21400			P
7439-96-5	Manganese	1140			P
7439-97-6	Mercury	0.08	B		CV
7440-02-0	Nickel	1030			P
7440-09-7	Potassium	3530	B		P
7782-49-2	Selenium	6.8			P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	139000			P
7440-28-0	Thallium	2.6	U		P
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	140			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DMW-3

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32745 QC Report No.32745

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: D274503
Date Received: 10/27/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	415			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.4	U		P
7440-39-3	Barium	485			P
7440-41-7	Beryllium	0.60	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	121000			P
7440-47-3	Chromium	2.4	B		P
7440-48-4	Cobalt	9.9	B		P
7440-50-8	Copper	1.5	U		P
7439-89-6	Iron	422			P
7439-92-1	Lead	1.9	U		P
7439-95-4	Magnesium	69200			P
7439-96-5	Manganese	7360			P
7439-97-6	Mercury	0.10	B		CV
7440-02-0	Nickel	34.7	B		P
7440-09-7	Potassium	11800			P
7782-49-2	Selenium	9.9			P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	62900			P
7440-28-0	Thallium	2.6	U		P
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	127			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:

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DMW-4

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32745 QC Report No.32745

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: D274504
Date Received: 10/27/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	143	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.4	U		P
7440-39-3	Barium	559			P
7440-41-7	Beryllium	0.60	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	163000			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	2.8	B		P
7440-50-8	Copper	1.5	U		P
7439-89-6	Iron	138			P
7439-92-1	Lead	1.9	U		P
7439-95-4	Magnesium	28300			P
7439-96-5	Manganese	3370			P
7439-97-6	Mercury	0.08	B		CV
7440-02-0	Nickel	13.1	B		P
7440-09-7	Potassium	20500			P
7782-49-2	Selenium	11.4			P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	126000			P
7440-28-0	Thallium	2.6	U		P
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	145			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:

Groundwater Sampling - Volatile Organic Compounds

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: NYTEST ENV INC Contract: 9723508

Lab Code: NYTEST Case No.: 32745 SAS No.: SDG No.: 32745

Matrix: (soil/water) WATER Lab Sample ID: 3274501

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P0233.D

Level: (low/med) LOW Date Received: 10/27/97

% Moisture: not dec. _____ Data Analyzed: 11/10/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	1	J
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	1	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
108-05-4	Vinyl Acetate	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: NYTEST ENV INC Contract: 9723508

Lab Code: NYTEST Case No.: 32745 SAS No.: SDG No.: 32745

Matrix: (soil/water) WATER Lab Sample ID: 3274502

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P0234.D

Level: (low/med) LOW Date Received: 10/27/97

% Moisture: not dec. _____ Data Analyzed: 11/10/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
108-05-4	Vinyl Acetate	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: NYTEST ENV INC Contract: 9723508

Lab Code: NYTEST Case No.: 32745 SAS No.: SDG No.: 32745

Matrix: (soil/water) WATER Lab Sample ID: 3274503

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P0235.D

Level: (low/med) LOW Date Received: 10/27/97

% Moisture: not dec. _____ Data Analyzed: 11/10/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
108-05-4	Vinyl Acetate	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: NYTEST ENV INC Contract: 9723508

Lab Code: NYTEST Case No.: 32745 SAS No.: SDG No.: 32745

Matrix: (soil/water) WATER Lab Sample ID: 3274504

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P0236.D

Level: (low/med) LOW Date Received: 10/27/97

% Moisture: not dec. _____ Data Analyzed: 11/10/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
108-05-4	Vinyl Acetate	10	U

NYTEST ENVIRONMENTAL INC.

INORGANICS ANALYSIS DATA SHEET SAMPLE NO.

FB

Lab Name: NYTEST_ENV_INC Contract: 9723508

Lab Code: NYTEST Login No.: 32745 QC Report No.32745

Matrix (soil/water): WATER
Level (low/high) : LOW
Percent Solids : 0.0

Lab Sample ID: 274505
Date Received: 10/27/97

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	43.3	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.4	U		P
7440-39-3	Barium	4.6	U		P
7440-41-7	Beryllium	0.60	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	1130	B		P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	2.2	U		P
7440-50-8	Copper	74.3			P
7439-89-6	Iron	55.4	B		P
7439-92-1	Lead	1.9	U		P
7439-95-4	Magnesium	840	B		P
7439-96-5	Manganese	1.8	B		P
7439-97-6	Mercury	0.06	B		CV
7440-02-0	Nickel	4.6	B		P
7440-09-7	Potassium	2890	B		P
7782-49-2	Selenium	2.3	U		P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	69600			P
7440-28-0	Thallium	2.6	U		P
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	29.3			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:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: NYTEST ENV INC Contract: 9723508

Lab Code: NYTEST Case No.: 32745 SAS No.: SDG No.: 32745

Matrix: (soil/water) WATER Lab Sample ID: 3274506

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P0229.D

Level: (low/med) LOW Date Received: 10/27/97

% Moisture: not dec. _____ Data Analyzed: 11/10/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U
108-05-4	Vinyl Acetate	10	U

Groundwater Sampling - General Chemistry

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: MW-1
Lab ID: 32745-01

Date Collected: 10/27/97
Date Received: 10/27/97
Matrix: Water
Concentration in: Wet Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Hexavalent Chromium	0.01	mg/L	0.01 U		1.00	10/28/97	10/28/97	KV
Hexavalent Chromium, Dissolved	0.01	mg/L	0.01 U		1.00	10/28/97	10/28/97	KV
Total Cyanide	0.010	mg/L	0.010 U		1.00	11/13/97	11/14/97	JG
Total Dissolved Cyanide	0.01	mg/L	0.01 U		1.00	11/13/97	11/14/97	JG

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: MW-2
Lab ID: 32745-02

Date Collected: 10/27/97
Date Received: 10/27/97
Matrix: Water
Concentration in: Wet Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Hexavalent Chromium	0.01	mg/L	0.01 U		1.00	10/28/97	10/28/97	KV
Hexavalent Chromium, Dissolved	0.01	mg/L	0.01 U		1.00	10/28/97	10/28/97	KV
Total Cyanide	0.010	mg/L	0.010 U		1.00	11/13/97	11/14/97	JG
Total Dissolved Cyanide	0.01	mg/L	0.01 U		1.00	11/13/97	11/14/97	JG

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: MW-3
Lab ID: 32745-03

Date Collected: 10/27/97
Date Received: 10/27/97
Matrix: Water
Concentration in: Wet Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Hexavalent Chromium	0.01	mg/L	0.01 U		1.00	10/28/97	10/28/97	KV
Hexavalent Chromium, Dissolved	0.01	mg/L	0.01 U		1.00	10/28/97	10/28/97	KV
Total Cyanide	0.010	mg/L	0.010 U		1.00	11/13/97	11/14/97	JG
Total Dissolved Cyanide	0.01	mg/L	0.01 U		1.00	11/13/97	11/14/97	JG

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: MW-4
Lab ID: 32745-04

Date Collected: 10/27/97
Date Received: 10/27/97
Matrix: Water
Concentration in: Wet Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Hexavalent Chromium	0.01	mg/L	0.01	U	1.00	10/28/97	10/28/97	KV
Hexavalent Chromium, Dissolved	0.01	mg/L	0.01	U	1.00	10/28/97	10/28/97	KV
Total Cyanide	0.010	mg/L	0.010	U	1.00	11/13/97	11/14/97	JG
Total Dissolved Cyanide	0.01	mg/L	0.01	U	1.00	11/13/97	11/14/97	JG

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: A.K.R.F. Inc.
Client ID: FB
Lab ID: 32745-05

Date Collected: 10/27/97
Date Received: 10/27/97
Matrix: Water
Concentration in: Wet Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Hexavalent Chromium	0.01	mg/L	0.01	U	1.00	10/28/97	10/28/97	KV
Total Cyanide	0.010	mg/L	0.010	U	1.00	11/13/97	11/14/97	JG

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable