3rd Q 1995 AGMP
MW-19,20,15,21,22 FB, TB
Received 9-7-95

Analytical Technologies, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. 508313

September 6, 1995

Sparton Technology Inc.
4901 Rockaway Blvd. SE
Rio Rancho, NM 87124-4469

Project Name/Number: AGMP-3Q95 080195

Attention: John M. Wakefield

On **08/02/95**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

While TOX was reported below the calculated MDL, the analyst obseved a response that they believed was reportable based on the non-linearity of the instrument.

EPA method 8240 analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

EPA method 6010 analyses were performed by Analytical Technologies, Inc., 17400 SW Upper Boones Ferry Road, Suite 270, Durham, OR.

EPA method 150.1 analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

All other analyses were performed by Analytical Technologies, Inc., 5550 Morehouse Drive, San Diego, CA.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

K McNeill

Kimberly D. McNeill
Project Manager

H Mitchell Rubenstein

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical Technologies, Inc.

ATI ID#: 508313
CLIENT: SPARTON TECHNOLOGY INC.

METHOD	TEST	DATE ANALYZED	DETECTION LIMITS	ANAYST INITIALS
150.1	pH	08/02/95	-	PN
9050	ELECTRICAL CONDUCTIVITY	08/04/95	20 UMHOS/CM	CW
9253	CHLORIDE	08/11/95	5 MG/L	TE
9038	SULFATE	08/11/95	10 MG/L 50 MG/L (Samples 01,02,03,04,05)	GR
351.2	TKN	08/07/95	0.10 MG/L	GR
353.2	NITROGEN,NITRATE	08/03/95	0.05 MG/L 0.10 MG/L (Samples 03,04) 0.25 MG/L (Samples 01,05)	JCH
6010	BORON	08/15/95	0.1 MG/L	JM
	MANGANESE	08/15/95	0.01 MG/L	
	NICKEL	08/15/95	0.02 MG/L	
	SODIUM	08/15/95	0.1 MG/L	
	CHROMIUM	08/15/95	0.01 MG/L	
8240	VOLATILE ORGANIC	08/10/95 08/11/95	SEE DATA PAGES	JL
415.2	TOTAL ORGANIC CARBON	08/15/95	0.5 MG/L	MH
9020	TOTAL ORGANIC HALIDE	08/14/95	0.008 MG/L 0.80 MG/L (Sample 04)	GR

Analytical Technologies, Inc.

CLIENT	: SPARTON TECHNOLOGY INC.	DATE RECEIVED	: 08/02/95
PROJECT #	: 080195		
PROJECT NAME	: AGMP-3Q95	REPORT DATE	: 08/31/95

ATI ID: 508313

	ATI SAN DIEGO ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	508313-01	MW-19	AQUEOUS	08/02/95
02	508313-02	MW-20	AQUEOUS	08/02/95
03	508313-03	MW-15	AQUEOUS	08/02/95
04	508313-04	MW-21	AQUEOUS	08/02/95
05	508313-05	MW-22	AQUEOUS	08/02/95
06	508313-06	FIELD BLANK	AQUEOUS	08/02/95
07	508313-07	TRIP BLANK	AQUEOUS	07/24/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	7

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 508313
PROJECT #	: 080195	DATE RECEIVED	: 08/02/95
PROJECT NAME	: AGMP-3Q95	DATE ANALYZED	: 08/02/95

PARAMETER	UNITS	01	02	03	04
PH (150.1)	UNITS	7.90	7.93	8.27	8.01

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 508313
PROJECT #	: 080195	DATE RECEIVED	: 08/02/95
PROJECT NAME	: AGMP-3Q95	DATE ANALYZED	: 08/02/95

PARAMETER	UNITS	05	06	07
PH (150.1)	UNITS	7.81	7.57	7.04

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY INC. ATI I.D. : 508313
PROJECT # : 080195 SAMPLE MATRIX : AQUEOUS
PROJECT NAME : AGMP-3Q95

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PH	UNITS	50831301	7.90	8.24	4.2	NA	NA	NA

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: AGMP-3Q95
Lab Sample ID: WRB1 08/10/95

Sample ID: **Reagent Blank**

Date Collected: N/A
Date Analyzed: 08/10/95

Sample Matrix: Water
Sample Volume: 5 mL

Analyte	Conc. (ug/L)	Detection Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acetone	ND	10
Carbon disulfide	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Styrene	ND	5
Total Xylenes	ND	5

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
1,2-Dichloroethane-d4	101	76 - 114
Toluene-d8	102	88 - 110
Bromofluorobenzene	106	86 - 115

ND = Not Detected

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: AGMP-3Q95
Lab Sample ID: WRB1 08/11/95

Sample ID: **Reagent Blank**

Date Collected: N/A
Date Analyzed: 08/11/95

Sample Matrix: Water
Sample Volume: 5 mL

Analyte	Results (ug/L)	Detection Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	3 J	5
Acetone	ND	10
Carbon disulfide	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Styrene	ND	5
Total Xylenes	ND	5

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
1,2-Dichloroethane-d4	105	76 - 114
Toluene-d8	103	88 - 110
Bromofluorobenzene	108	86 - 115

ND = Not Detected
J = Estimated value, analyte found below detection limit

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: AGMP-3Q95
Lab Sample ID: 95-08-023-01

Sample ID: MW-19

Date Collected: 08/02/95
Date Analyzed: 08/10/95

Sample Matrix: Water
Sample Volume: 5 mL

Analyte	Results (ug/L)	Detection Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acetone	ND	10
Carbon disulfide	ND	5
1,1-Dichloroethene	3 J	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	1 J	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	39	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Styrene	ND	5
Total Xylenes	ND	5

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
1,2-Dichloroethane-d4	100	76 - 114
Toluene-d8	103	88 - 110
Bromofluorobenzene	107	86 - 115

ND = Not Detected
J = Estimated value, analyte found below detection limit

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: AGMP-3Q95
Lab Sample ID: 95-08-023-02

Sample ID: MW-20

Date Collected: 08/02/95
Date Analyzed: 08/10/95

Sample Matrix: Water
Sample Volume: 5 mL

Analyte	Results (ug/L)	Detection Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acetone	ND	10
Carbon disulfide	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	11	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Styrene	ND	5
Total Xylenes	ND	5

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
1,2-Dichloroethane-d4	102	76 - 114
Toluene-d8	101	88 - 110
Bromofluorobenzene	106	86 - 115

ND = Not Detected

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: AGMP-3Q95
Lab Sample ID: 95-08-023-03

Sample ID: MW-15

Date Collected: 08/02/95
Date Analyzed: 08/10/95

Sample Matrix: Water
Sample Volume: 5 mL

Analyte	Results (ug/L)	Detection Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acetone	ND	10
Carbon disulfide	ND	5
1,1-Dichloroethene	1 J	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	7	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	21	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Styrene	ND	5
Total Xylenes	ND	5

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
1,2-Dichloroethane-d4	99	76 - 114
Toluene-d8	104	88 - 110
Bromofluorobenzene	105	86 - 115

ND = Not Detected
J = Estimated value, analyte found below detection limit

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: AGMP-3Q95
Lab Sample ID: 95-08-023-04

Sample ID: MW-21

Date Collected: 08/02/95
Date Analyzed: 08/10/95

Sample Matrix: Water
Sample Volume: 5 mL

Analyte	Results (ug/L)	Detection Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acetone	ND	10
Carbon disulfide	ND	5
1,1-Dichloroethene	13	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	92	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	200	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	2 J	5
1,1,2,2-Tetrachloroethane	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Styrene	ND	5
Total Xylenes	ND	5

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
1,2-Dichloroethane-d4	102	76 - 114
Toluene-d8	102	88 - 110
Bromofluorobenzene	106	86 - 115

ND = Not Detected
J = Estimated value, analyte found below detection limit

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: AGMP-3Q95
Lab Sample ID: 95-08-023-05

Sample ID: MW-22

Date Collected: 08/02/95
Date Analyzed: 08/10/95

Sample Matrix: Water
Sample Volume: 5 mL

Analyte	Results (ug/L)	Detection Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acetone	ND	10
Carbon disulfide	ND	5
1.1-Dichloroethene	8	5
1.1-Dichloroethane	ND	5
cis-1.2-Dichloroethene	ND	5
trans-1.2-Dichloroethene	ND	5
Chloroform	ND	5
1.2-Dichloroethane	ND	5
2-Butanone	ND	10
1.1.1-Trichloroethane	23	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1.2-Dichloropropane	ND	5
cis-1.3-Dichloropropene	ND	5
Trichloroethene	32	5
Dibromochloromethane	ND	5
1.1.2-Trichloroethane	ND	5
Benzene	ND	5
trans-1.3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	ND	5
1.1.2.2-Tetrachloroethane	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Styrene	ND	5
Total Xylenes	ND	5

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
1.2-Dichloroethane-d4	101	76 - 114
Toluene-d8	104	88 - 110
Bromofluorobenzene	107	86 - 115

ND = Not Detected

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: AGMP-3Q95
Lab Sample ID: 95-08-023-06

Sample ID: **Field Blank**

Date Collected: 08/02/95
Date Analyzed: 08/11/95

Sample Matrix: Water
Sample Volume: 5 mL

Analyte	Results (ug/L)	Detection Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	13 B	5
Acetone	ND	10
Carbon disulfide	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Styrene	ND	5
Total Xylenes	ND	5

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
1,2-Dichloroethane-d4	103	76 - 114
Toluene-d8	103	88 - 110
Bromofluorobenzene	108	86 - 115

ND = Not Detected
B = Analyte found in Blank

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: AGMP-3Q95
Lab Sample ID: 95-08-023-07

Sample ID: **Trip Blank**

Date Collected: 07/24/95
Date Analyzed: 08/10/95

Sample Matrix: Water
Sample Volume: 5 mL

Analyte	Results (ug/L)	Detection Limit (ug/L)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acetone	ND	10
Carbon disulfide	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Styrene	ND	5
Total Xylenes	ND	5

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
1,2-Dichloroethane-d4	101	76 - 114
Toluene-d8	102	88 - 110
Bromofluorobenzene	107	86 - 115

ND = Not Detected

Analytical Technologies, Inc.

VOLATILE MATRIX SPIKE RECOVERY

Modified Method 8240

Sample ID

MW-20

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: AGMP-3Q95
Lab Sample ID: 95-08-023-02

Date Collected: 08/02/95
Date Analyzed: 08/11/95

Sample Matrix: Water
Sample Volume: 5 mL

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS % Rec	QC Limit Recovery
1,1-Dichloroethene	50.0	ND	48.8	98	61-145
Trichloroethene	50.0	11	57.6	93	71-120
Benzene	50.0	ND	45.9	92	76-127
Toluene	50.0	ND	45.8	92	76-125
Chlorobenzene	50.0	ND	45.8	92	75-130

Analyte	Spike Added (ug/L)	MSD Concentration (ug/L)	MSD % Recovery	% RPD	QC Limits RPD	QC Limits Rec
1,1-Dichloroethene	50.0	57.9	116	17 *	14	61-145
Trichloroethene	50.0	57.9	93	1	14	71-120
Benzene	50.0	46.1	92	0	11	76-127
Toluene	50.0	46.9	94	2	13	76-125
Chlorobenzene	50.0	45.4	91	1	13	75-130

ND = Not Detected
* = Out of Limits

Analytical Technologies, Inc.

VOLATILE BLANK SPIKE RECOVERY

Modified Method 8240

Sample ID

Blank Spike

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: AGMP-3Q95
Lab Sample ID: WBS1,2 08/11/95

Date Collected: N/A
Date Analyzed: 08/12/95

Sample Matrix: Water
Sample Volume: 5 mL

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	BS Concentration (ug/L)	BS % Rec	QC Limit Recovery
1,1-Dichloroethene	50.0	N/A	44.5	89	61-145
Trichloroethene	50.0	N/A	44.7	89	71-120
Benzene	50.0	N/A	45.4	91	76-127
Toluene	50.0	N/A	44.4	89	76-125
Chlorobenzene	50.0	N/A	44.7	89	75-130

Analyte	Spike Added (ug/L)	BSD Concentration (ug/L)	BSD % Recovery	% RPD	QC Limits RPD	QC Limits Rec
1,1-Dichloroethene	50.0	44.5	89	0	14	61-145
Trichloroethene	50.0	43.9	88	2	14	71-120
Benzene	50.0	44.7	89	2	11	76-127
Toluene	50.0	43.7	87	2	13	76-125
Chlorobenzene	50.0	43.9	88	2	13	75-130

N/A = Not Applicable

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : Analytical Technologies, Inc.
Project Number : 508313
Project Name : Sparton Tech/AGMP-3Q95

Report Date : 08/18/95
ATI I.D. : 508061

Analysis	Technique/Description
EPA 415.2 (Total Organic Carbon)	ORGANIC CARBON ANALYZER
EPA 9020 (Total Organic Halide)	MC/TXID TOX AUTOANALYZER

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 415.2 (Total Organic Carbon)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508061

Sample No. :	1	2	3
Client I.D. :	508313-01	508313-02	508313-03
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/15/95	08/15/95	08/15/95
Dilution :	1.0	1.0	1.0
Units :	MG/L	MG/L	MG/L
Parameter			
TOTAL ORGANIC CARBON	0.6	0.7	0.5

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 415.2 (Total Organic Carbon)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508061

Sample No. :	4	5	6
Client I.D. :	508313-04	508313-05	508313-06
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/15/95	08/15/95	08/15/95
Dilution :	1.0	1.0	1.0
Units :	MG/L	MG/L	MG/L
Parameter			
TOTAL ORGANIC CARBON	0.7	1.6	<0.5

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method	: EPA 415.2 (Total Organic Carbon)	ATI I.D. :	508061
Client	: Analytical Technologies, Inc.		
Project No.	: 508313		
Project Name	: Sparton Tech/AGMP-3Q95		

Sample No.	:	7
Client I.D.	:	508313-07
Matrix	:	WATER
Date Sampled	:	07/24/95
Date Extracted	:	N/A
Date Analyzed	:	08/15/95
Dilution	:	1.0
Units	:	MG/L

Parameter	
TOTAL ORGANIC CARBON	<0.5

Analytical Technologies, Inc.

General Chemistry - Quality Control
SAMPLE DUPLICATE

Test : EPA 415.2 (Total Organic Carbon)
Client : Analytical Technologies, Inc.
Project Number : 508313
Project Name : Sparton Tech/AGMP-3Q95

Dilution Factor: 1.0
ATI I.D. : 508061
Date Analyzed : 8/15/95
Date Extracted : N/A
Sample Matrix : WATER
Reference I.D. : 508061-4

Parameters	Unit	Sample Result	Dup. Sample	RPD
TOTAL ORGANIC CARBON	MG/L	0.7	0.8	13

Relative Percent Difference (RPD) = ((Sample Result - Duplicate Sample Result) / ((Sample Result + Duplicate Sample Result) / 2)) * 100
Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry - Quality Control
MS/MSD

Test : EPA 415.2 (Total Organic Carbon)
Client : Analytical Technologies, Inc.
Project Number : 508313
Project Name : Sparton Tech/AGMP-3Q95

Dilution Factor: 1
ATI I.D. : 508061
Date Analyzed : 8/15/95
Date Extracted : N/A
Sample Matrix : WATER
Reference I.D. : 508061-4

Parameters	Unit	Sample Result	Conc. Spike	Spiked Sample	% Rec.
TOTAL ORGANIC CARBON	MG/L	0.7	20.0	20.8	101

% Recovery = ((Spiked Sample Result - Sample Result) / Concentration Spike) * 100
Relative Percent Difference (RPD) = ((Spiked Sample Result - Duplicate Spike Result) / ((Spiked Sample Result + Duplicate Spike Result) / 2)) * 100
Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry - Quality Control
BS

Test	:EPA 415.2 (Total Organic Carbon)	Dilution Factor:	1
Client	:Analytical Technologies, Inc.	ATI I.D.:	508061
Project Number	:508313	Date Analyzed:	8/15/95
Project Name	: Sparton Tech/AGMP-3Q95	Date Extracted:	N/A
		Sample Matrix:	WATER
		Reference I.D.:	REAGENT WATER

Parameters	Unit	Blank Result	Conc. Spike	Blank Spk Result	% Rec.
TOTAL ORGANIC CARBON	MG/L	<0.008	0.10	0.096	96

%Recovery = ((Blank Spk Result - Blank Result)/Concentration Spike)*100

Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 9020 (Total Organic Halide)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508061

Sample No. :	1	2	3
Client I.D. :	508313-01	508313-02	508313-03
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/14/95	08/14/95	08/14/95
Dilution :	1.0	1.0	1.0
Units :	MG/L	MG/L	MG/L
Parameter			
TOTAL ORGANIC HALIDES	0.011	0.010	0.029

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 9020 (Total Organic Halide)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508061

Sample No. :	4	5	6
Client I.D. :	508313-04	508313-05	508313-06
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/14/95	08/14/95	08/14/95
Dilution :	1.0	1.0	1.0
Units :	MG/L	MG/L	MG/L
Parameter			
TOTAL ORGANIC HALIDES	0.54	0.055	<0.008

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method	: EPA 9020 (Total Organic Halide)	ATI I.D. :	508061
Client	: Analytical Technologies, Inc.		
Project No.	: 508313		
Project Name	: Sparton Tech/AGMP-3Q95		

Sample No.	:	7
Client I.D.	:	508313-07
Matrix	:	WATER
Date Sampled	:	07/24/95
Date Extracted	:	N/A
Date Analyzed	:	08/14/95
Dilution	:	1.0
Units	:	MG/L

Parameter	
TOTAL ORGANIC HALIDES	<0.008

Analytical Technologies, Inc.

General Chemistry - Quality Control
SAMPLE DUPLICATE

Test : EPA 9020 (Total Organic Halide)
Client : Analytical Technologies, Inc.
Project Number : 508313
Project Name : Sparton Tech/AGMP-3Q95

Dilution Factor: 1.0
ATI I.D. : 508061
Date Analyzed : 8/14/95
Date Extracted : N/A
Sample Matrix : WATER
Reference I.D. : 508061-6

Parameters	Unit	Sample Result	Dup. Sample	RPD
TOTAL ORGANIC HALIDES	MG/L	<0.008	<0.008	N/C

Relative Percent Difference (RPD) = ((Sample Result - Duplicate Sample Result) / ((Sample Result + Duplicate Sample Result) / 2)) * 100
Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry - Quality Control
BS

Test	:EPA9020 (Total Organic Halide)	Dilution Factor:	1
Client	:Analytical Technologies, Inc.	ATI I.D.:	508061
Project Number	:508313	Date Analyzed:	8/14/95
Project Name	:Sparton Tech/AGMP-3Q95	Date Extracted:	N/A
		Sample Matrix:	WATER
		Reference I.D.:	REAGENT WATER

Parameters	Unit	Blank Result	Conc. Spike	Blank Spk Result	% Rec.
TOTAL ORGANIC HALIDES	MG/L	<0.5	20.0	19.3	97

%Recovery = ((Blank Spk Result - Blank Result)/Concentration Spike)*100

Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

General Chemistry - Quality Control
MS

Test	:EPA 9020 (Total Organic Halide)	Dilution Factor:	1
Client	:Analytical Technologies, Inc.	ATI I.D.:	508061
Project Number	:508313	Date Analyzed:	8/14/95
Project Name	:Sparton Tech/AGMP-3Q95	Date Extracted:	N/A
		Sample Matrix:	WATER
		Reference I.D.:	508061-6

Parameters	Unit	Sample Result	Conc. Spike	Spiked Sample	% Rec.
TOTAL ORGANIC HALIDES	MG/L	<0.008	0.20	0.19	95

%Recovery = ((Spiked Sample Result - Sample Result)/Concentration Spike)*100

Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

CLIENT:	Sparton Technology, Inc.	**ATI I.D.:**	508531
PROJECT #:	80195		
PROJECT NAME:	AGMP-3Q95		

ANALYSIS	TECHNIQUE	REFERENCE	LAB
Boron	ICAP	EPA 6010	PLD
Chromium	ICAP	EPA 6010	PLD
Magnesium	ICAP	EPA 6010	PLD
Nickel	ICAP	EPA 6010	PLD
Sodium	ICAP	EPA 6010	PLD

Analytical Technologies, Inc.

METALS RESULTS

CLIENT:	Sparton Technology, Inc.	ATI I.D.:	508531
PROJECT #:	080195	DATE SAMPLED:	08/02/95
PROJECT NAME:	AGMP-3Q95	DATE RECEIVED:	08/04/95
SAMPLE MATRIX:	WATER	DATE DIGESTED:	08/10/95
		DATE ANALYZED:	08/15/95
		UNITS:	mg/L

	ATI I.D.:	508531-0	508531-1	508531-2
	Client I.D.:	Method Blank	MW-19	MW-20
PARAMETER	METHOD			
BORON	6010	< 0.1	0.2	0.1
CHROMIUM	6010	< 0.01	< 0.01	< 0.01
MANGANESE	6010	< 0.01	0.01	0.96
NICKEL	6010	< 0.02	< 0.02	< 0.02
SODIUM	6010	< 0.1	53.7	45.8

Analytical **Technologies,** Inc.

METALS RESULTS

CLIENT:	Sparton Technology, Inc.	ATI I.D.:	508531
PROJECT #:	080195	DATE SAMPLED:	08/02/95
PROJECT NAME:	AGMP-3Q95	DATE RECEIVED:	08/04/95
SAMPLE MATRIX:	WATER	DATE DIGESTED:	08/10/95
		DATE ANALYZED:	08/15/95
		UNITS:	mg/L

	ATI I.D.:	508531-3	508531-4	508531-5
	Client I.D.:	MW-15	MW-21	MW-22
PARAMETER	METHOD			
BORON	6010	0.2	0.2	0.2
CHROMIUM	6010	< 0.01	< 0.01	< 0.01
MANGANESE	6010	< 0.01	< 0.01	< 0.01
NICKEL	6010	< 0.02	< 0.02	< 0.02
SODIUM	6010	42.1	45.0	47.2

Analytical Technologies, Inc.

METALS RESULTS

CLIENT:	Sparton Technology, Inc.	ATI I.D.:	508531
PROJECT #:	080195	DATE SAMPLED:	07/24,08/02/95
PROJECT NAME:	AGMP-3Q95	DATE RECEIVED:	08/04/95
SAMPLE MATRIX:	WATER	DATE DIGESTED:	08/10/95
		DATE ANALYZED:	08/15/95
		UNITS:	mg/L

	ATI I.D.:	508531-6	508531-7
	Client I.D.:	Field Blank	Trip Blank
PARAMETER	METHOD		
BORON	6010	< 0.1	< 0.1
CHROMIUM	6010	< 0.01	< 0.01
MANGANESE	6010	< 0.01	< 0.01
NICKEL	6010	< 0.02	< 0.02
SODIUM	6010	< 0.1	< 0.1

Analytical Technologies, Inc.

METALS DUPLICATE RESULTS

METHOD:	6010	ATI I.D.:	508531
CLIENT:	Sparton Technology, Inc.	QC SAMPLE:	508531-1
PROJECT #:	080195	DATE DIGESTED:	08/10/95
PROJECT NAME:	AGMP-3Q95	DATE ANALYZED:	08/15/95
SAMPLE MATRIX:	WATER	DILUTION FACTOR:	1
		UNITS:	mg/L

PARAMETER	SAMPLE RESULT	DUPLICATE RESULT	RPD	RPD CONTROL LIMIT
BORON	0.2	0.2	0	20
CHROMIUM	< 0.01	< 0.01	NA	20
MANGANESE	0.01	0.01	0	20
NICKEL	< 0.02	< 0.02	NA	20
SODIUM	53.7	53.2	<1	20

Analytical Technologies, Inc.

METALS SPIKE RESULTS

METHOD:	6010	ATI I.D.:	508531
CLIENT:	Sparton Technology, Inc.	QC SAMPLE:	508531-1
PROJECT #:	080195	DATE DIGESTED:	08/10/95
PROJECT NAME:	AGMP-3Q95	DATE ANALYZED:	08/15/95
SAMPLE MATRIX:	WATER	DILUTION FACTOR:	1
		UNITS:	mg/L

PARAMETER	SAMPLE RESULT	SPIKE CONC	SPIKE RESULT	% RECOV	CONTROL LIMIT
BORON	0.2	2.0	2.1	95	75-125%
CHROMIUM	< 0.01	1.00	0.94	94	75-125%
MANGANESE	0.01	1.00	0.99	98	75-125%
NICKEL	< 0.02	1.00	0.95	95	75-125%

Analytical Technologies, Inc.

METALS BLANK SPIKE RESULTS

METHOD:	6010	ATI I.D.:	508531
CLIENT:	Sparton Technology, Inc.	QC SAMPLE:	Method Blank
PROJECT #:	080195	DATE DIGESTED:	08/10/95
PROJECT NAME:	AGMP-3Q95	DATE ANALYZED:	08/15/95
SAMPLE MATRIX:	WATER	DILUTION FACTOR:	1
		UNITS:	mg/L

PARAMETER	SPIKE RESULT	SPIKE CONC	% RECOV	CONTROL LIMIT
BORON	1.9	2.0	95	80-120%
CHROMIUM	0.99	1.00	99	80-120%
MANGANESE	1.01	1.00	101	80-120%
NICKEL	0.98	1.00	98	80-120%

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : Analytical Technologies, Inc.
Project Number : 508313
Project Name : Sparton Tech/AGMP-3Q95

Report Date : 08/16/95
ATI I.D. : 508037

Analysis	Technique/Description
EPA 351.2 (Total Kjeldahl Nitrogen)	SKALAR SEGMENTED FLOW ANALYZER
EPA 353.2 (Nitrate as Nitrogen)	SKALAR SEGMENTED FLOW ANALYZER
EPA 9038 (Sulfate)	NEPHLEOMETER/SPECTROPHOTOMETER
EPA 9050 (Electrical Conductivity)	ELECTRODE
EPA 9253 (Chloride)	TITRIMETRIC, SILVER NITRATE

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 351.2 (Total Kjeldahl Nitrogen)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508037

Sample No. :	1	2	3
Client I.D. :	508313-1	508313-2	508313-3
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/07/95	08/07/95	08/07/95
Dilution :	1.0	1.0	1.0
Units :	MG/L	MG/L	MG/L
Parameter			
NITROGEN, KJELDAHL, TOTAL	0.26	0.14	0.21

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 351.2 (Total Kjeldahl Nitrogen)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508037

Sample No. :	4	5	6
Client I.D. :	508313-4	508313-5	508313-6
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/07/95	08/07/95	08/07/95
Dilution :	1.0	1.0	1.0
Units :	MG/L	MG/L	MG/L
Parameter			
NITROGEN, KJELDAHL, TOTAL	0.11	0.26	<0.10

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method	: EPA 351.2 (Total Kjeldahl Nitrogen)	ATI I.D. :	508037
Client	: Analytical Technologies, Inc.		
Project No.	: 508313		
Project Name	: Sparton Tech/AGMP-3Q95		

Sample No.	:	7
Client I.D.	:	508313-7
Matrix	:	WATER
Date Sampled	:	07/24/95
Date Extracted	:	N/A
Date Analyzed	:	08/07/95
Dilution	:	1.0
Units	:	MG/L

Parameter	
NITROGEN, KJELDAHL, TOTAL	<0.10

Analytical Technologies, Inc.

General Chemistry - Quality Control
SAMPLE DUPLICATE

Test : EPA 351.2 (Total Kjeldahl Nitrogen)
Client : Analytical Technologies, Inc.
Project Number : 508313
Project Name : Sparton Tech/AGMP-3Q95

Dilution Factor: 1.0
ATI I.D. : 508037
Date Analyzed : 8/ 7/95
Date Extracted : N/A
Sample Matrix : WATER
Reference I.D. : 508037-4

Parameters	Unit	Sample Result	Dup. Sample	RPD
NITROGEN, KJELDAHL, TOTAL	MG/L	0.11	0.11	0

Relative Percent Difference (RPD) = ((Sample Result - Duplicate Sample Result) / ((Sample Result + Duplicate Sample Result) / 2)) * 100
Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry - Quality Control
MS

Test	:EPA 351.2 (Total Kjeldahl Nitrogen)	Dilution Factor:	1
Client	:Analytical Technologies, Inc.	ATI I.D.:	508037
Project Number	:508313	Date Analyzed:	8/07/95
Project Name	:Sparton Tech/AGMP-3Q95	Date Extracted:	N/A
		Sample Matrix:	WATER
		Reference I.D.:	508037-04

Parameters	Unit	Sample Result	Conc. Spike	Spiked Sample	% Rec.
NITROGEN, KJELDAHL, TOTAL	MG/L	0.11	1.0	1.3	119

%Recovery = ((Spiked Sample Result - Sample Result)/Concentration Spike)*100

Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry - Quality Control
BS

Test	:EPA 351.2 (Total Kjeldahl Nitrogen)	Dilution Factor:	1
Client	:Analytical Technologies, Inc.	ATI I.D.:	508037
Project Number	:508313	Date Analyzed:	8/07/95
Project Name	:Sparton Tech/AGMP-3Q95	Date Extracted:	N/A
		Sample Matrix:	WATER
		Reference I.D.:	REAGENT WATER

Parameters	Unit	Blank Result	Conc. Spike	Blank Spk Result	% Rec.
TOTAL KJELDAHL NITROGEN	MG/L	<0.10	1.0	1.1	110

%Recovery = ((Blank Spk Result - Blank Result)/Concentration Spike)*100

Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 353.2 (Nitrate as Nitrogen)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508037

Sample No. :	1	2	3
Client I.D. :	508313-1	508313-2	508313-3
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/03/95	08/03/95	08/03/95
Dilution :	1.0	1.0	1.0
Units :	MG/L	MG/L	MG/L
Parameter			
NITROGEN, NITRATE (AS N)	5.7	1.5	4.4

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 353.2 (Nitrate as Nitrogen)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508037

Sample No. :	4	5	6
Client I.D. :	508313-4	508313-5	508313-6
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/03/95	08/03/95	08/03/95
Dilution :	1.0	1.0	1.0
Units :	MG/L	MG/L	MG/L
Parameter			
NITROGEN, NITRATE (AS N)	3.2	6.5	<0.05

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method	: EPA 353.2 (Nitrate as Nitrogen)	ATI I.D. :	508037
Client	: Analytical Technologies, Inc.		
Project No.	: 508313		
Project Name	: Sparton Tech/AGMP-3Q95		

Sample No.	:	7
Client I.D.	:	508313-7
Matrix	:	WATER
Date Sampled	:	07/24/95
Date Extracted	:	N/A
Date Analyzed	:	08/03/95
Dilution	:	1.0
Units	:	MG/L

Parameter	
NITROGEN, NITRATE (AS N)	<0.05

Analytical Technologies, Inc.

General Chemistry - Quality Control
SAMPLE DUPLICATE

Test : EPA 353.2 (Nitrate as Nitrogen)
Client : Analytical Technologies, Inc.
Project Number : 508313
Project Name : Sparton Tech/AGMP-3Q95

Dilution Factor: 1.0
ATI I.D. : 508037
Date Analyzed : 8/ 3/95
Date Extracted : N/A
Sample Matrix : WATER
Reference I.D. : 508037-2

Parameters	Unit	Sample Result	Dup. Sample	RPD
NITROGEN, NITRATE (AS N)	MG/L	1.5	1.5	0

Relative Percent Difference (RPD) = ((Sample Result - Duplicate Sample Result) / ((Sample Result + Duplicate Sample Result) / 2)) * 100
Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry - Quality Control
SAMPLE DUPLICATE

Test : EPA 353.2 (Nitrate as Nitrogen)
Client : Analytical Technologies, Inc.
Project Number : 508313
Project Name : Sparton Tech/AGMP-3Q95

Dilution Factor: 1.0
ATI I.D. : 508037
Date Analyzed : 8/ 3/95
Date Extracted : N/A
Sample Matrix : WATER
Reference I.D. : 508037-6

Parameters	Unit	Sample Result	Dup. Sample	RPD
NITROGEN, NITRATE (AS N)	MG/L	<0.05	<0.05	N/C

Relative Percent Difference (RPD) = ((Sample Result - Duplicate Sample Result) / ((Sample Result + Duplicate Sample Result) / 2)) * 100
Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry - Quality Control
MS

Test	:EPA 353.2 (Nitrate as Nitrogen)	Dilution Factor:	1
Client	:Analytical Technologies, Inc.	ATI I.D.:	508037
Project Number	:508313	Date Analyzed:	8/03/95
Project Name	:Sparton Tech/AGMP-3Q95	Date Extracted:	N/A
		Sample Matrix:	WATER
		Reference I.D.:	508037-06

Parameters	Unit	Sample Result	Conc. Spike	Spiked Sample	% Rec.
NITROGEN, NITRATE (AS N)	MG/L	<0.05	2.0	2.0	100

%Recovery = ((Spiked Sample Result - Sample Result)/Concentration Spike)*100

Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry - Quality Control
BS

Test	:EPA 353.2 (Nitrate as Nitrogen)	Dilution Factor:	1
Client	:Analytical Technologies, Inc.	ATI I.D.:	508037
Project Number	:508313	Date Analyzed:	8/03/95
Project Name	: Sparton Tech/AGMP-3Q95	Date Extracted:	N/A
		Sample Matrix:	WATER
		Reference I.D.:	REAGENT WATER

Parameters	Unit	Blank Result	Conc. Spike	Blank Spk Result	% Rec.
NITROGEN, NITRATE (AS N)	MG/L	<0.05	2.0	2.0	100

%Recovery = ((Blank Spk Result - Blank Result)/Concentration Spike)*100

Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 9038 (Sulfate)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508037

Sample No. :	1	2	3
Client I.D. :	508313-1	508313-2	508313-3
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/11/95	08/11/95	08/11/95
Dilution :	1.0	1.0	1.0
Units :	MG/L	MG/L	MG/L
Parameter			
SULFATE	80.7	93.8	148

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 9038 (Sulfate)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508037

Sample No. :	4	5	6
Client I.D. :	508313-4	508313-5	508313-6
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/11/95	08/11/95	08/11/95
Dilution :	1.0	1.0	1.0
Units :	MG/L	MG/L	MG/L
Parameter			
SULFATE	65.3	61.9	<10.0

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method	: EPA 9038 (Sulfate)	ATI I.D. :	508037
Client	: Analytical Technologies, Inc.		
Project No.	: 508313		
Project Name	: Sparton Tech/AGMP-3Q95		

Sample No.	:	7
Client I.D.	:	508313-7
Matrix	:	WATER
Date Sampled	:	07/24/95
Date Extracted	:	N/A
Date Analyzed	:	08/11/95
Dilution	:	1.0
Units	:	MG/L

Parameter	
SULFATE	<10.0

Analytical Technologies, Inc.

General Chemistry - Quality Control
SAMPLE DUPLICATE

Test : EPA 9038 (Sulfate)
Client : Analytical Technologies, Inc.
Project Number : 508313
Project Name : Sparton Tech/AGMP-3Q95

Dilution Factor: 1.0
ATI I.D. : 508037
Date Analyzed : 8/11/95
Date Extracted : N/A
Sample Matrix : WATER
Reference I.D. : 508037-7

Parameters	Unit	Sample Result	Dup. Sample	RPD
SULFATE	MG/L	<10.0	<10.0	N/C

Relative Percent Difference (RPD) = ((Sample Result - Duplicate Sample Result) / ((Sample Result + Duplicate Sample Result) / 2)) * 100
Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry - Quality Control
BS

Test	:EPA 9038 (Sulfate)	Dilution Factor:	1
Client	:Analytical Technologies, Inc.	ATI I.D.:	508037
Project Number	:508313	Date Analyzed:	8/11/95
Project Name	:Sparton Tech/AGMP-3Q95	Date Extracted:	N/A
		Sample Matrix:	WATER
		Reference I.D.:	REAGENT WATER

Parameters	Unit	Blank Result	Conc. Spike	Blank Spk Result	% Rec.
SULFATE	MG/L	<10.0	20.0	18.8	94

%Recovery = ((Blank Spk Result - Blank Result)/Concentration Spike)*100

Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry - Quality Control
MS

Test	:EPA 9038 (Sulfate)	Dilution Factor:	1
Client	:Analytical Technologies, Inc.	ATI I.D.:	508037
Project Number	:508313	Date Analyzed:	8/11/95
Project Name	: Sparton Tech/AGMP-3Q95	Date Extracted:	N/A
		Sample Matrix:	WATER
		Reference I.D.:	508037-07

Parameters	Unit	Sample Result	Conc. Spike	Spiked Sample	% Rec.
SULFATE	MG/L	<10.0	20.0	19.5	98

%Recovery = ((Spiked Sample Result - Sample Result)/Concentration Spike)*100

Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 9050 (Electrical Conductivity)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508037

Sample No. :	**1**	**2**	**3**
Client I.D. :	508313-1	508313-2	508313-3
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/04/95	08/04/95	08/04/95
Dilution :	1.0	1.0	1.0
Units :	UMHOS/CM	UMHOS/CM	UMHOS/CM
Parameter			
ELECTRICAL CONDUCTIVITY	714	684	640

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 9050 (Electrical Conductivity)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508037

Sample No. :	4	5	6
Client I.D. :	508313-4	508313-5	508313-6
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/04/95	08/04/95	08/04/95
Dilution :	1.0	1.0	1.0
Units :	UMHOS/CM	UMHOS/CM	UMHOS/CM
Parameter			
ELECTRICAL CONDUCTIVITY	641	703	<20

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 9050 (Electrical Conductivity)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508037

Sample No. :	7
Client I.D. :	508313-7
Matrix :	WATER
Date Sampled :	07/24/95
Date Extracted:	N/A
Date Analyzed :	08/04/95
Dilution :	1.0
Units :	UMHOS/CM

Parameter	
ELECTRICAL CONDUCTIVITY	<20

Analytical Technologies, Inc.

General Chemistry - Quality Control
SAMPLE/DUPLICATE

Test	:EPA 9050 (Electrical Conductivity)	Dilution Factor:	1
Client	:Analytical Technologies, Inc.	ATI I.D.:	508037
Project Number	:508313	Date Analyzed:	08/04/95
Project Name	:Sparton Tech/AGMP-3Q95	Date Extracted:	N/A
		Sample Matrix:	WATER
		Reference I.D.:	508037-07

Parameters	Unit	Sample Result	Duplicate Result	RPD
ELECTRICAL CONDUCTIVITY	UMHOS/CM	<20	<20	N/C

Relative Percent Difference (RPD) = ((Spiked Sample Result - Duplicate Spike Result)/((Spiked Sample Result + Duplicate Spike Result)/2))*100

Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 9253 (Chloride)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508037

Sample No. :	1	2	3
Client I.D. :	508313-1	508313-2	508313-3
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/11/95	08/11/95	08/11/95
Dilution :	1.0	1.0	1.0
Units :	MG/L	MG/L	MG/L
Parameter			
CHLORIDE (AS CL)	21.0	20.0	22.0

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method : EPA 9253 (Chloride)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508037

Sample No. :	4	5	6
Client I.D. :	508313-4	508313-5	508313-6
Matrix :	WATER	WATER	WATER
Date Sampled :	08/02/95	08/02/95	08/02/95
Date Extracted:	N/A	N/A	N/A
Date Analyzed :	08/11/95	08/11/95	08/11/95
Dilution :	1.0	1.0	1.0
Units :	MG/L	MG/L	MG/L
Parameter			
CHLORIDE (AS CL)	17.0	18.0	<5.0

Analytical Technologies, Inc.

General Chemistry
RESULTS

Method	: EPA 9253 (Chloride)	ATI I.D. :	508037
Client	: Analytical Technologies, Inc.		
Project No.	: 508313		
Project Name	: Sparton Tech/AGMP-3Q95		

Sample No.	:	7
Client I.D.	:	508313-7
Matrix	:	WATER
Date Sampled	:	07/24/95
Date Extracted	:	N/A
Date Analyzed	:	08/11/95
Dilution	:	1.0
Units	:	MG/L

Parameter	
CHLORIDE (AS CL)	<5.0

Analytical Technologies, Inc.

General Chemistry - Quality Control
SAMPLE DUPLICATE

Test : EPA 9253 (Chloride)
Client : Analytical Technologies, Inc.
Project Number : 508313
Project Name : Sparton Tech/AGMP-3Q95

Dilution Factor: 1.0
ATI I.D. : 508037
Date Analyzed : 8/11/95
Date Extracted : N/A
Sample Matrix : WATER
Reference I.D. : 508037-7

Parameters	Unit	Sample Result	Dup. Sample	RPD
CHLORIDE (AS CL)	MG/L	<5.0	<5.0	N/C

Relative Percent Difference (RPD) = ((Sample Result - Duplicate Sample Result) / ((Sample Result + Duplicate Sample Result) / 2)) * 100
Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry - Quality Control
MS/MSD

Test : EPA 9253 (Chloride)
Client : Analytical Technologies, Inc.
Project Number : 508313
Project Name : Sparton Tech/AGMP-3Q95

Dilution Factor: 1
ATI I.D. : 508037
Date Analyzed : 8/11/95
Date Extracted : N/A
Sample Matrix : WATER
Reference I.D. : 508037-7

Parameters	Unit	Sample Result	Conc. Spike	Spiked Sample	% Rec.
CHLORIDE (AS CL)	MG/L	<5.0	40.0	39.0	98

% Recovery = ((Spiked Sample Result - Sample Result) / Concentration Spike) * 100
Relative Percent Difference (RPD) = ((Spiked Sample Result - Duplicate Spike Result) / ((Spiked Sample Result + Duplicate Spike Result) / 2)) * 100
Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

Analytical Technologies, Inc.

General Chemistry - Quality Control
BS

Test	:EPA 9253 (Chloride)	Dilution Factor:	1
Client	:Analytical Technologies, Inc.	ATI I.D.:	508037
Project Number	:508313	Date Analyzed:	8/11/95
Project Name	: Sparton Tech/AGMP-3Q95	Date Extracted:	N/A
		Sample Matrix:	WATER
		Reference I.D.:	REAGENT WATER

Parameters	Unit	Blank Result	Conc. Spike	Blank Spk Result	% Rec.
CHLORIDE	MG/L	<5.0	40.0	41.0	103

%Recovery = ((Blank Spk Result - Blank Result)/Concentration Spike)*100

Note: Any validation of the calculated information reported on this form, should be done using the appropriate raw data.

AnalyticalTechnologies, Inc. Albuquerque, NM

Chain of Custody

DATE 8/2 PAGE 1 OF 1

NETWORK PROJECT MANAGER: ~~LETITIA KRAKOWSKI~~ Kim McNeill

COMPANY: **Analytical Technologies, Inc.**

ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: KIM McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)		632/632 MOD	619/619 MOD	610/8310	EC, Cl, SO4	TKN, NO3	8240 (TCLP 1311) ZHE	S, NH3, NO2, Cr+3 AP 8/2	Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GC/MS (624/8240)	TOC TOX AP 8/2	NACE	ASBESTOS		BOD	TOTAL COLIFORM	FECAL COLIFORM		GROSS ALPHA/BETA	RADIUM 226/228		AIR - O2, CO2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
508313 - 01	8/2/95	0823	AQ	01										X	X		X			X														2
-02	↓	0809	↓	02										X	X		X			X														2
-03		1016		03										X	X		X			X														3
-04		0945		04										X	X		X			X														2
-05		1102		05										X	X		X			X														2
-06	↓	1056	↓	06										X	X		X			X														2
-07	7/24	1400	↓	07										X	X		X			X														2

006755

PROJECT INFORMATION	
PROJECT NUMBER:	508313
PROJECT NAME:	AGMP-SQ95
QC LEVEL:	(STD) IV
QC REQUIRED:	MS MSD BLANK
TAT:	(STANDARD) RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	15
CHAIN OF CUSTODY SEALS	N
INTACT?	NA
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	508037

DUE DATE: 8/15

RUSH SURCHARGE:

CLIENT DISCOUNT: 10 %

2.0°C

IWO# KM625

SAMPLES SENT TO:	
SAN DIEGO	X
FT. COLLINS	
RENTON	
PENSACOLA	
PORTLAND	
PHOENIX	
FIBERQUANT	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Andrew Parker Time: 1717	Signature: Time:
Printed Name: Andrew Parker Date: 8/2	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 9:15
Printed Name: Date:	Printed Name: Lucio Mendez Date: 8/3/95
Company:	Company: ATI - SD

AnalyticalTechnologies, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

CHAIN OF CUSTODY

DATE: 8-2-95 PAGE 1 OF 1

ATI LAB I.D.: 507313

PROJECT MANAGER: John M Wakefield

COMPANY: Spectra Technology Inc.
ADDRESS: (Facility) 9621 Coors Rd. NW
Albuquerque NM 87114
PHONE: (505) 892-5300
FAX: (505) 892-5515

BILL TO: "
COMPANY: "
ADDRESS: (Mailing) 4901 Rockaway Blvd SE
Rio Rancho NM 87124-4469

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)	pH	F, Cl, SO4	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	TKN, NO3	B, Mn, Ni, Na, Cr+3	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	TOC	TOX	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal			The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)		NUMBER OF CONTAINERS
MW-19	8-2-95	0823	Aq.	-01					X	X				X	X				X		X	X											11
MW-20	"	0809	"	-02					X	X				X	X				X		X	X											11
MW-15	"	1016	"	-03					X	X				X	X				X		X	X											11
~~[illegible]~~ MW-21	"	0945	"	-04					X	X				X	X				X		X	X											11
~~[illegible]~~ MW-22	"	1102	"	-05					X	X				X	X				X		X	X											11
Field Blank	"	1056	"	-06					X	X				X	X				X		X	X											11
Trip Blank	7-24-95	1400	"	-07					X	X				X	X				X		X	X											6

PROJECT INFORMATION

PROJ. NO.: 080195
PROJ. NAME: AGMP-3Q95
P.O. NO.: 43416-1-06
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. CONTAINERS	71
CUSTODY SEALS	(Y) / N / NA
RECEIVED INTACT	Y
RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEK

Comments: Cal C Seals on Cooler

SAMPLED & RELINQUISHED BY: 1.

Signature: [signature] Time: 11:38
Printed Name: John M. Wakefield Date: 8-2-95
Company: STI Phone: 892-5300

RELINQUISHED BY: 2.

Signature: [signature] Time: 12:20
Printed Name: Don Gutierrez Date: 8-2-95
Company: STI

RELINQUISHED BY: 3.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.

Signature: [signature] Time: 11:38
Printed Name: Don Gutierrez Date: 8-2-95
Company: STI

RECEIVED BY: 2.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 3.

Signature: [signature] Time: 12:20
Printed Name: Andrea Parker Date: 8/2/95
Analytical Technologies, Inc.

0067756

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE 8/3 PAGE 1 OF 1

NETWORK PROJECT MANAGER: ~~LETITIA KRAKOWSKI~~ Kim McNeill

COMPANY: **Analytical Technologies, Inc.**

ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)		632/632 MOD	619/619 MOD	610/8310	B, Mn, Ni, Na, Cr+3		8240 (TCLP 1311) ZHE		Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GC/MS (624/8240)		NACE	ASBESTOS		BOD	TOTAL COLIFORM	FECAL COLIFORM		GROSS ALPHA/BETA	RADIUM 226/228		AIR - O2, CO2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
508313-01	8/2	0823	AQ	1										X																				1
-02		0809		2										X																				1
-03		1016		3										X																				2
-04		0945		4										X																				1
-05		1102		5										X																				1
-06		1056		6										X																				1
-07	7/24	1400		7										X																				1

006757

PROJECT INFORMATION	
PROJECT NUMBER:	508313
PROJECT NAME:	AGMP-3Q95
QC LEVEL:	(STD) IV
QC REQUIRED:	MS MSD BLANK
TAT:	(STANDARD) RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	8
CHAIN OF CUSTODY SEALS	Y
INTACT?	Y
RECEIVED GOOD COND./COLD	
LAB NUMBER	508531

DUE DATE: 8/17

RUSH SURCHARGE:

CLIENT DISCOUNT: 10 %

SAMPLES SENT TO	
SAN DIEGO	
FT. COLLINS	
RENTON	
PENSACOLA	
PORTLAND	X
PHOENIX	
FIBERQUANT	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Andrew Parker Time: 1720	Signature: Time:
Printed Name: Andrew Parker Date: 8/3	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Jerome Stanfill Time: 1123	Signature: Time:
Printed Name: Jerome Stanfill Date: 8/4/95	Printed Name: Date:
Company: ATI PDX	Company:

Analytical Technologies, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

CHAIN OF CUSTODY

DATE: 8-2-95 PAGE 1 OF 1

ATI LAB I.D. 507313

PROJECT MANAGER: John M Wakefield

COMPANY: Spectron Technology Inc
ADDRESS: (Facility) 9621 Coors Rd. NW
Albuquerque NM 87114
PHONE: (505) 892-5300
FAX: (505) 892-5515

BILL TO: "
COMPANY: "
ADDRESS: (Mailing) 4901 Rockaway Blvd SE
Rio Rancho NM 87124-4469

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)	pH	E.C.	Cl	SO4	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/502.1), 502.2 Reg. & Unreg.	TKN	NO3	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	TOC	TOX	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal			The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)		NUMBER OF CONTAINERS
MW-19	8-2-95	0823	Aq.	-01					X	X						X	X				X		X	X										11
MW-20	"	0809	"	-02					X	X						X	X				X		X	X										11
MW-15	"	1016	"	-03					X	X						X	X				X		X	X										10
[redacted] MW-21	"	0945	"	-04					X	X						X	X				X		X	X										11
[redacted] MW-22	"	1102	"	-05					X	X						X	X				X		X	X										11
Field Blank	"	1056	"	-06					X	X						X	X				X		X	X										11
Trip Blank	7-24-95	1400	"	-07					X	X						X	X				X		X	X										6

Ca Na K

PROJECT INFORMATION

PROJ. NO.: 080195
PROJ. NAME: AGMP-3Q95
P.O. NO.: 43416-4-06
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. CONTAINERS	71
CUSTODY SEALS	(Y) / N / NA
RECEIVED INTACT	Y
RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEK

Comments: Col C Seals on Cooler

SAMPLED & RELINQUISHED BY: 1.

Signature: [signature] Time: 1138
Printed Name: John M. Wakefield Date: 8-2-95
Company: STI Phone: 892-5300

RELINQUISHED BY: 2.

Signature: [signature] Time: 12:20
Printed Name: Don Gallegos Date: 8-2-95
Company: STI

RELINQUISHED BY: 3.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.

Signature: [signature] Time: 11:38
Printed Name: Don Gallegos Date: 8-2-95
Company: STI

RECEIVED BY: 2.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 3.

Signature: [signature] Time: 1220
Printed Name: Andrea Parker Date: 8/2/95
Analytical Technologies, Inc.

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

006758

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody

95-08-023 DATE 8/2 PAGE 1 OF 1

NETWORK PROJECT MANAGER: ~~LETITIA KRAKOWSKI~~ KIM McNeill

COMPANY: Analytical Technologies, Inc.

ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: KIM McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)		632/632 MOD	619/619 MOD	610/8310			8240 (TCLP 1311) ZHE		Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GC/MS (624/8240)		NACE	ASBESTOS		BOD	TOTAL COLIFORM	FECAL COLIFORM		GROSS ALPHA/BETA	RADIUM 226/228		AIR - O2, CO2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
508313-01	8/2	0823	AQ	01															X															W
-02	↓	0809	↓	02															X															W
-03	↓	1016	↓	03															X															W
-04	↓	0945	↓	04															X															W
-05	↓	1102	↓	05															X															W
-06	↓	1056	↓	06															X															W
-07	7-24	1400	↓	07															X															1

652900

UM

PROJECT INFORMATION	
PROJECT NUMBER:	508313
PROJECT NAME:	AGMP-3Q95
QC LEVEL:	STD. IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	19
CHAIN OF CUSTODY SEALS	NA
INTACT?	N
RECEIVED GOOD COND/COLD	Y
LAB NUMBER	

DUE DATE: 8/16

RUSH SURCHARGE:

CLIENT DISCOUNT: 10 %

IWO#KM627

SAMPLES SENT TO:	
SAN DIEGO	
FT. COLLINS	X
RENTON	
PENSACOLA	
PORTLAND	
PHOENIX	
FIBERQUANT	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Andrew Baker Time:	Signature: Time:
Printed Name: Date	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company: Fedex
RECEIVED BY: (LAB) 1.	RECEIVED BY: (LAB) 2.
Signature: Time:	Signature: Time: 90.
Printed Name: Date:	Printed Name: Date: 8/2/95
Company: Fedex	Company: ATI-co

AnalyticalTechnologies,Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

CHAIN OF CUSTODY

DATE: 8-2-95 PAGE 1 OF 1

ATI LAB I.D. 507313

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: John M Wakefield

COMPANY: Sparton Technology Inc.
ADDRESS: (Facility) 9621 Coors Rd. NW
Albuquerque NM 87114
PHONE: (505) 892-5300
FAX: (505) 892-5515

BILL TO: "
COMPANY: "
ADDRESS: (Mailing) 4901 Rockaway Blvd SE
Rio Rancho NM 87124-4469

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)	pH	E.C., Cl, SO4	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	TKN, NO3	B, Mn, Ni, Na, Cr+3	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	TOC	TOX	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal			The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)		NUMBER OF CONTAINERS
MW-19	8-2-95	0823	Aq.	-01					X	X				X	X				X		X	X											11
MW-20	"	0809	"	-02					X	X				X	X				X		X	X											11
MW-15	"	1016	"	-03					X	X				X	X				X		X	X											10
[redacted] MW-21	"	0945	"	-04					X	X				X	X				X		X	X											4
[redacted] MW-22	"	1102	"	-05					X	X				X	X				X		X	X											4
Field Blank	"	1056	"	-06					X	X				X	X				X		X	X											4
Trip Blank	7-24-95	1400	"	-07					X	X				X	X				X		X	X											6

PROJECT INFORMATION

PROJ. NO.: 080195	
PROJ. NAME: AGMP-3Q95	
P.O. NO.: 43416-4-06	
SHIPPED VIA: Delivered	

SAMPLE RECEIPT

NO. CONTAINERS	71
CUSTODY SEALS	(Y) / N / NA
RECEIVED INTACT	Y
RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEK

Comments: Cof C Seals on Cooler

092900

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 11:38	Signature: [signature] Time: 12:20	Signature: Time:
Printed Name: John M. Wakefield Date: 8-2-95	Printed Name: Don Gutierrez Date: 8-2-95	Printed Name: Date:
Company: STI Phone: 892-5300	Company: STI	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: [signature] Time: 11:38	Signature: Time:	Signature: [signature] Time: 1220
Printed Name: Don Gutierrez Date: 8-2-95	Printed Name: Date:	Printed Name: Andrew Karker Date: 8/2/95
Company: STI	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

Accession # : 508061

Initials: LY

Multiple Cooler Documentation Form

	ATI-SD Cooler ID#	COC ID *1	Cooler Temperature °C	Ice Present Upon Receipt?	SCUR *2			Comments
					Problem Noted? (Y/N)	Item Number(s) of Problem	Sample/Test *3	
1	ATI-NM	1 of 1	3.9°C	YES	No			
2	ATI A BQ6	↓	2.0°C	↓	↓			
3								
4								
5								
6								
7								
8								
9								
10								

* 1 COC ID: Indicate a Unique Identifier for each Chain of Custody (COC) if there is a COC per cooler (i.e. 1 of 3, etc). Create an identifier for each COC if the client did not and write these unique identifiers on the corresponding COCs Write "N/A" if there is not a COC per cooler..

*2 SCUR: For each cooler,go through the list of questions on the SCUR and indicate whether problems were found.

*3 Sample/Test: If there was not a COC per cooler and a problem was found in a cooler write what sample containers were shipped in this cooler.

006761

pas:mcdform (2/9

AnalyticalTechnologies, Inc. Albuquerque, NM

Chain of Custody

DATE 8/3 PAGE 1 OF 1

NETWORK PROJECT MANAGER: ~~LETITIA KRAKOWSKI~~ Kim McNeill

COMPANY: Analytical Technologies, Inc.

ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)		632/632 MOD	619/619 MOD	610/8310			8240 (TCLP 1311) ZHE		Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GC/MS (624/8240)		NACE	ASBESTOS		BOD	TOTAL COLIFORM	FECAL COLIFORM		GROSS ALPHA/BETA	RADIUM 226/228		AIR - O2, CO2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
508313-01	8/2	0823	AQ	01	X	X																												4
-02		0809		02	X	X																												4
-03		1016		03	X	X																												2
-04		0945		04	X	X																												4
-05		1102		05	X	X																												4
-06		1056		06	X	X																												4
-07	7/24	1400		07	X	X																												2

PROJECT INFORMATION	
PROJECT NUMBER:	508313
PROJECT NAME:	AGMP-3995
QC LEVEL:	STD. IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS	
INTACT?	
RECEIVED GOOD COND./COLD	
LAB NUMBER	508061

DUE DATE: 8/17

RUSH SURCHARGE:

CLIENT DISCOUNT: 10 %

SAMPLES SENT TO:	
SAN DIEGO	
FT. COLLINS	
RENTON	
PENSACOLA	X
PORTLAND	
PHOENIX	
FIBERQUANT	

RELINQUISHED BY: 1.
Signature: Andrew Barker Time: 1706
Printed Name: Andrew Barker Date 8/3
Analytical Technologies, Inc. Albuquerque

RECEIVED BY: (LAB) 1.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date
Company:

RECEIVED BY: (LAB) 2.
Signature: Time: 09:00
Printed Name: Lisa Tucker Date: 8-4-95
Company: ATI-SD

297500

AnalyticalTechnologies, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

CHAIN OF CUSTODY

DATE: 8-2-95 PAGE 1 OF 1

ATI LAB I.D.: 507313

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: John M Wakefield

COMPANY: Spectron Technology Inc.
ADDRESS: (Facility) 9621 Coors Rd. NW
Albuquerque NM 87114
PHONE: (505) 892-5300
FAX: (505) 892-5515

BILL TO: "
COMPANY: "
ADDRESS: (Mailing) 4901 Rockaway Blvd SE
Rio Rancho NM 87124-4469

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)	pH	E.C., Cl, SO4	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	TKN, NO3	B, Mn, Ni, Na, Cr+3	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	TOC	TOX	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal			The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)
MW-19	8-2-95	0823	Aq.	-01					X	X				X	X				X		X	X									
MW-20	"	0809	"	-02					X	X				X	X				X		X	X									
MW-15	"	1016	"	-03					X	X				X	X				X		X	X									
MW-21	"	0945	"	-04					X	X				X	X				X		X	X									
MW-22	"	1102	"	-05					X	X				X	X				X		X	X									
Field Blank	"	1056	"	-06					X	X				X	X				X		X	X									
Trip Blank	7-24-95	1400	"	-07					X	X				X	X				X		X	X									

PROJECT INFORMATION

PROJ. NO.: 080195
PROJ. NAME: AGMP-3Q95
P.O. NO.: 43416-4-06
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. CONTAINERS	71
CUSTODY SEALS	(Y) / N / NA
RECEIVED INTACT	Y
RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒ 2 WEEK

Comments: Cal C Seals on Cooler

006763

SAMPLED & RELINQUISHED BY: 1.

Signature: [signature] Time: 11:38
Printed Name: John M. Wakefield Date: 8-2-95
Company: STI Phone: 892-5300

RELINQUISHED BY: 2.

Signature: [signature] Time: 12:20
Printed Name: Don Gutierrez Date: 8-2-95
Company: STI

RELINQUISHED BY:

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.

Signature: [signature] Time: 11:38
Printed Name: Don Gutierrez Date: 8-2-95
Company: STI

RECEIVED BY: 2.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB)

Signature: [signature] Time: 12:
Printed Name: Andrew Parker Date: 8/2/95
Analytical Technologies, Inc.

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody

508087

DATE 8/1 PAGE 1 OF 1

NETWORK PROJECT MANAGER: ~~LETITIA KRAKOW~~SKI
Kim McNall

COMPANY: **Analytical Technologies, Inc.**

ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: KD McNall

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)	E.C., Cl, SO_4	632/632 MOD	619/619 MOD	610/8310	TKN, NO_3	B, Mn, Ni, Na, Cr^{+3}	8240 (TCLP 1311) ZHE	TOC, TOX	Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GC/MS (624/8240)		NACE	ASBESTOS		BOD	TOTAL COLIFORM	FECAL COLIFORM		GROSS ALPHA/BETA	RADIUM 226/228		AIR - O_2, CO_2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
508306-01	8/1/95	1331	AQ	1						X				X	X		X																	
-02	↓	1338	↓	2						X				X	X		X																	
-03	↓	1416	↓	3						X				X	X		X																	
-																																		

PROJECT INFORMATION	SAMPLE RECEIPT
PROJECT NUMBER: 508306	TOTAL NUMBER OF CONTAINERS
PROJECT NAME: SPARTON	CHAIN OF CUSTODY SEALS
QC LEVEL: (STD) IV	INTACT?
QC REQUIRED: MS MSD BLANK	RECEIVED GOOD COND./COLD
TAT: (STANDARD) RUSH!	LAB NUMBER

DUE DATE: 8/14
RUSH SURCHARGE: Ø
CLIENT DISCOUNT: 10 %

DO NOT ROUTE TO PHOENIX

SAMPLES SENT TO:	
SAN DIEGO	
FT. COLLINS	
RENTON	
PENSACOLA	X
PORTLAND	
PHOENIX	
FIBERQUANT	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: KD McNall Time: 5'0	Signature: Time:
Printed Name: KD McNeill Date 8/1/95	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 0743
Printed Name: Date:	Printed Name: Date: 8-2-95
Company:	Company: ATI-Pensacola

006764