file sparton

Ron K
Barbara
FILE : ST/Red/96

SPARTON

SPARTON TECHNOLOGY

CERTIFIED MAIL - RETURN RECEIPT REQUESTED P 902 671 521

FEB 1996
RECEIVED
HAZARDOUS WASTE
PROGRAM

February 26, 1996

NOTE

report is in Blue spiral-bound book in Tech. Compliance Pgm
RAK. 2/29/96

Mr. Ronald A. Kern
RCRA Technical Compliance Program Manager
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
New Mexico Environment Department
525 Camino de los Marquez
Santa Fe, New Mexico 87502

Re: 1995 Annual Ground-Water Report

Dear Mr. Kern:

Enclosed is Sparton Technology's Inc. 1995 Annual Ground-Water Report for our Coors Rd. Facility. This report is prepared in response to HWMR-5, Part IV, Section 265.94(a)(2)(ii) and (iii), and is compiled on forms provided by your office.

The Monitoring Well Identification Report Form has been modified to include the surveyed Measuring Point Elevation (MPE). This surveyed elevation is located on the wellhead vault or outer protective casing. The MPE is the reference point for all elevation data presented in this report.

If you have any questions please contact John Wakefield or me at (505) 892-5300. Thank you for your attention to this matter.

Sincerely,
SPARTON TECHNOLOGY, INC.

R. D. Mico

Richard D. Mico
Vice President and General Manager

Enclosure:

cc: Mr. J. Appel (wo./encl.)
Mr. P. Chandler (wo./encl.)
Mr. G. Richardson (wo./encl.)
Mr. J. Wakefield

Sparton Technology, Inc. □ 4901 Rockaway Blvd., SE □ Rio Rancho, NM 87124-4469 □ (505) 892-5300 □ FAX (505) 892-5515

SPARTON TECHNOLOGY, INC.

1995

ALTERNATE GROUNDWATER MONITORING PROGRAM

ANNUAL DATA SUMMARY

FACILITY ADDRESS

SPARTON TECHNOLOGY, INC.
9621 COORS RD. NW
ALBUQUERQUE, NM 87114

MAILING ADDRESS

SPARTON TECHNOLOGY, INC.
4901 ROCKAWAY BLVD. SE
RIO RANCHO, NM 87124-4469

004243

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SECTION 1

MW-9

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

COUNTY BERNALILLO

WELL NUMBER MW-9

WELL LOCATION (LONGITUDE) 106 39' 42.2'' *1

WELL LOCATION (LATITUDE) 35 11' 18.5'' *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 11/13/83

DRILLING METHOD HLWAG/HYDRT

INNER CASING DIAMETER 2.0

BOREHOLE DIAMETER 7.0

CASING MATERIAL PVC

METHOD OF DEVELOPMENT COMPR

ELEV BOTTOM OF BOREHOLE 4958.26

ELEV BOTTOM OF WELL CASING 4965.76

ELEV BOTTOM OF SCREENED INT 4970.76

ELEV OF TOP OF SCREENED INT 4975.76

SURVEYED ELEV OF CASING TOP 5043.55 *2

SURVEYED MEASURING PT. ELEV 5044.11 *3

DATE OF REPORT 2-23-96 SIGNATURE: John M. Wakefield

NAME (TYPED) John M. Wakefield

*1 Scaled from USGS 7.5' quad.
*2 Not surveyed, measured from Surveyed Measuring Point Elevation.
*3 Surveyed Datum on well vault or outer protective casing.

b:wellid/bass

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93 (f) and 265.4 (b)]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-9

		SAMPLE DATES			
		02-08-95	04-19-95	08-01-95	10-11-95
PARAMETERS	UNITS	VALUE			
Elev. of G. Water	ft.	4974.40	4974.58	4975.73	4974.83
pH (Avg)	S.U.	7.79	7.5	7.83	7.37
Spec Cond (Avg)	umhos/cm	800	690	850	832
T.O.X. (Avg)	ug/1	520	590	780	2100
T.O.C. (Avg)	mg/1	1	2	2	0.6
Chloride	mg/1			18	
Iron	ug/1				
Manganese	ug/1			20	
Phenols	ug/1				
Sodium	mg/1			90	
Sulfate	mg/1			180	
Turbidity	NTU				

APPENDIX IX PARAMETERS

		SAMPLE DATES			
		02-08-95	04-19-95	08-01-95	10-11-95
PARAMETERS	UNITS	VALUE			
1,1 Dichloroethene	ug/L	57	39	43	30
Trichloroethene	ug/l	850	790	490	650
1,1,1 Trichloroethane	ug/L			52	
Methylene Chloride	ug/L			17 B*	
Chromium, Hexavalent	MG/L			<0.05	
Chromium, Trivalent	MG/L			<0.05	
Chromium, Total	MG/L			<0.01	
Boron	MG/L			1.3	
Nickel	MG/L			<0.020	
Nitrite, Nitrate, Nitrogen	MG/L			11	
Total Kjeldahl Nitrogen	MG/L			<0.5	

DATE OF REPORT: 2-23-96

SIGNATURE: John W. Wakefield

NAME (TYPED): John W. Wakefield

*B = Parameter detected in reagent blank.

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FIRST QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-9 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 78.35 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 02/08/95 LABORATORY SAMPLE I.D. # 502350-04

TIME SAMPLED 1153 DATE RECEIVED BY LAB. 02/08/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.40	02/08/95
Well Casing Volume	-----	gal.	1.41	02/08/95
Pump Rate	-----	gal/min	0.08	02/08/95
Pump Period	74004	min.	65	02/08/95
Volume Evacuated	73675	gal.	5.1	02/08/95
Well Sampling Method	84077	---	BRDLP	02/08/95
Sampler Material	____	---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-9
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.79	units	02/10/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	800	1	02/13/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	520	20	02/20/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	1	1.0	02/14/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4/4/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	57	10	N/A	02/21/95	8010
Trichloroethene		UG/L	850	10	N/A	02/21/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. SECOND QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-9 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 78.35 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 04/19/95 LABORATORY SAMPLE I.D. # 504384-03

TIME SAMPLED 1240 DATE RECEIVED BY LAB. 04/19/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.58	04/19/95
Well Casing Volume	-----	gal.	1.44	04/19/95
Pump Rate	-----	gal/min	0.12	04/19/95
Pump Period	74004	min.	40	04/19/95
Volume Evacuated	73675	gal.	4.3	04/19/95
Well Sampling Method	84077	---	BRDLP	04/19/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-9
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.5	units	04/21/95	
	00400	S.U.				9040
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	690	1	04/25/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	590	20	04/24/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	2	1.0	04/25/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 5/26/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	39	2	N/A	04/24/95	8010
Trichloroethene		UG/L	790	20	N/A	04/21/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. THIRD QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-9 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 78.35 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 08/01/95 LABORATORY SAMPLE I.D. # 508306-02

TIME SAMPLED 1338 DATE RECEIVED BY LAB. 08/01/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4975.73	08/01/95
Well Casing Volume	-----	gal.	1.63	08/01/95
Pump Rate	-----	gal/min	0.17	08/01/95
Pump Period	72004	min.	32	08/01/95
Volume Evacuated	73675	gal.	4.9	08/01/95
Well Sampling Method	84077	---	BRDLP	08/01/95
Sampler Material		---	TEFLN	N/A
Well Sampling Method:			BLDRP	

* well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-9
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.83	NA	08/01/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	850	1	08/14/95	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	780	800	08/08/95	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	2	1	08/09/95	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

GROUND WATER QUALITY PARAMETERS
MW-9
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	18	2	08/11/95	325.2
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	20	10	08/08/95	200.7
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	90	0.2	08/08/95	200.7
Sulfate	00945	mg/1	180	50	08/14/95	375.4
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10-24-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	43	5	N/A	08/09/95	8240
Trichloroethene		UG/L	490	5	N/A	08/09/95	8240
1,1,1-Trichloroethane		UG/L	52	5	N/A	08/09/95	8240
Methylene Chloride		UG/L	17 B*1	5	N/A	08/09/95	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	<0.05	0.05	N/A	08/02/95	7196
Chromium, Trivalent		MG/L	<0.05	0.05	N/A	08/02/95	7196
Chromium, Total		MG/L	<0.01	0.01	8-7-95 *2	08/08/95	200.7
Boron		MG/L	1.3	0.09	8-7-95 *2	08/08/95	200.7
Nickel		MG/L	<0.020	0.02	8-7-95 *2	08/08/95	200.7
Nitrite-Nitrate, Nitrogen		MG/L	11	0.03	N/A	08/14/95	353.2
Total Kjeldahl Nitrogen		MG/L	<0.5	0.05	N/A	08/10/95	351.2

*1 B = Parameter detected in reagant blank
*2 Date Digested

INTERIM STATUS MONITORING WELL
SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FOURTH QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-9 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 78.35 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 10/11/95 LABORATORY SAMPLE I.D. # 510336-06

TIME SAMPLED 10:25 DATE RECEIVED BY LAB. 10/11/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.83	10/11/95
Well Casing Volume	-----	gal.	1.48	10/11/95
Pump Rate	-----	gal/min	0.14	10/11/95
Pump Period	72004	min.	37	10/11/95
Volume Evacuated	73675	gal.	4.5	10/11/95
Well Sampling Method	84077	---	BRDLP	10/11/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

004262

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-27-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

004264

SECTION 2

MW-14

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

COUNTY BERNALILLO

WELL NUMBER MW-14

WELL LOCATION (LONGITUDE) 106 39' 45.8'' *1

WELL LOCATION (LATITUDE) 35 11' 20.1'' *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 8/24/84

DRILLING METHOD HYDRT

INNER CASING DIAMETER 2.0

BOREHOLE DIAMETER 8.0

CASING MATERIAL PVC

METHOD OF DEVELOPMENT COMPR

ELEV BOTTOM OF BOREHOLE 4910.46

ELEV BOTTOM OF WELL CASING 4969.96 *2

ELEV BOTTOM OF SCREENED INT 4969.96 *2

ELEV OF TOP OF SCREENED INT 4979.96

SURVEYED ELEV OF CASING TOP 5041.86 *3

SURVEYED MEASURING PT. ELEV 5043.04 *4

DATE OF REPORT 2-23-96 SIGNATURE: John M. Wakefield

NAME (TYPED) John M. Wakefield

*1 Scaled from USGS 7.5' quad.
*2 Plugged back to this depth on 1/14/88.
*3 Not surveyed, measured from Surveyed Measuring Point Elevation.
*4 Surveyed Datum on well vault or outer protective casing.

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93 (f) and 265.4 (b)]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-14

		SAMPLE DATES			
		02-08-95	04-19-95	08-01-95	10-10-95
PARAMETERS	UNITS	VALUE			
Elev. of G. Water	ft.	4972.85	4972.85	4973.60	4973.06
pH (Avg)	S.U.	8.51	8.1	8.32	7.75
Spec Cond (Avg)	umhos/cm	800	710	870	768
T.O.X. (Avg)	ug/1	420	470	390	250
T.O.C. (Avg)	mg/1	1	1	2	0.6
Chloride	mg/1			41	
Iron	ug/1				
Manganese	ug/1			10	
Phenols	ug/1				
Sodium	mg/1			76	
Sulfate	mg/1			170	
Turbidity	NTU				

APPENDIX IX PARAMETERS

		SAMPLE DATES			
		02-08-95	04-19-95	08-01-95	10-10-95
PARAMETERS	UNITS	VALUE			
1,1 Dichloroethene	ug/L	33	17	29	18
Trichloroethene	ug/L	690	1000	470	470
1,1,1 Trichloroethane	ug/L			9	
Chromium, Hexavalent				0.91	
Chromium, Trivalent				0.09	
Chromium, Total				1.0	
Boron				1.6	
Nickel				<0.02	
Nitrite, Nitrate, Nitrogen				28	
Total Kjeldahl Nitrogen				<0.5	

DATE OF REPORT: 2-23-96

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FIRST QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-14 SAMPLE COLLECTION BY Donald A. Gutierrez

WELL DEPTH* 73.08 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 02/08/95 LABORATORY SAMPLE I.D. # 502350-03

TIME SAMPLED 1152 DATE RECEIVED BY LAB. 02/08/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.85	02/08/95
Well Casing Volume	-----	gal.	0.47	02/08/95
Pump Rate	-----	gal/min	0.06	02/08/95
Pump Period	74004	min.	36	02/08/95
Volume Evacuated	73675	gal.	2	02/08/95
Well Sampling Method	84077	---	BRDLP	02/08/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-14
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.51	units	02/10/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	800	1	02/13/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	420	20	02/20/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	1	1.0	02/14/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	33	10	N/A	02/21/95	8010
Trichloroethene		UG/L	690	10	N/A	02/21/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. SECOND QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-14 SAMPLE COLLECTION BY Donald A. Gutierrez

WELL DEPTH* 73.08 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 04/19/95 LABORATORY SAMPLE I.D. # 504384-04

TIME SAMPLED 1328 DATE RECEIVED BY LAB. 04/19/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.85	04/19/95
Well Casing Volume	-----	gal.	0.47	04/19/95
Pump Rate	-----	gal/min	0.08	04/19/95
Pump Period	74004	min.	30	04/19/95
Volume Evacuated	73675	gal.	1.5	04/19/95
Well Sampling Method	84077	---	BRDLP	04/19/95
Sampler Material	_____	---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-14
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.1	units	04/21/95	
	00400	S.U.				9040
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	710	1	04/25/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	470	20	04/25/95	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1	1.0	04/25/95	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 5/28/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-3 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1, 1,-Dichloroethene		UG/L	17	2.0	N/A	02/24/95	8010
Trichloroethene		UG/L	1000	20	N/A	04/21/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. THIRD QUARTER 1995

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-14 SAMPLE COLLECTION BY Don A. Gutierrez

WELL DEPTH* 71.95 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 08/01/95 LABORATORY SAMPLE I.D. # 508306-01

TIME SAMPLED 1331 DATE RECEIVED BY LAB. 08/01/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.60	08/01/95
Well Casing Volume	-----	gal.	0.59	08/01/95
Pump Rate	-----	gal/min	0.11	08/01/95
Pump Period	72004	min.	18	08/01/95
Volume Evacuated	73675	gal.	2.0	08/01/95
Well Sampling Method	84077	---	BRDLP	08/01/95
Sampler Material		---	TEFLN	N/A
Well Sampling Method:			BLDRP	

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-14
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.32	NA	08/01/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	870	1	08/14/95	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	390	800	08/08/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	2	1	08/09/95	
	00680	mg/1				415.1
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
MW-14
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	41	2	08/11/95	325.2
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	10	10	08/08/95	200.7
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	76	0.2	08/08/95	200.7
Sulfate	00945	mg/1	170	50	08/14/95	375.4
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10-24-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	29	5	N/A	08/09/95	8240
Trichloroethene		UG/L	470	5	N/A	08/09/95	8240
1,1,1-Trichloroethane		UG/L	9	5	N/A	08/09/95	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	0.91	0.05	N/A	08/02/95	7196
Chromium, Trivalent		MG/L	0.09	0.05	N/A	08/02/95	7196
Chromium Total		MG/L	1.0	0.01	8-7-95 *	08/08/95	200.7
Boron		MG/L	1.6	0.09	8-7-95 *	08/08/95	200.7
Nickel		MG/L	<0.02	0.02	8-7-95 *	08/08/95	200.7
Nitrite-Nitrate, Nitrogen		MG/L	28	1.1	N/A	08/14/95	353.2
Total Kjeldahl Nitrogen		MG/L	<0.5	0.5	N/A	08/10/95	351.2

* = Date digested

INTERIM STATUS MONITORING WELL
SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FOURTH QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-14 SAMPLE COLLECTION BY Don A. Gutierrez

WELL DEPTH* 73.08 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 10/10/95 LABORATORY SAMPLE I.D. # 510336-01 VOA 510336-01

TIME SAMPLED 14:03 DATE RECEIVED BY LAB. 10/11/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.06	10/10/95
Well Casing Volume	-----	gal.	0.50	10/10/95
Pump Rate	-----	gal/min	0.10	10/10/95
Pump Period	72004	min.	19	10/10/95
Volume Evacuated	73675	gal.	1.6	10/10/95
Well Sampling Method	84077	---	BRDLP	10/10/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

004282

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-27-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M WAKEFIELD

N/A = Not Applicable

004284

SECTION 3

MW-15

ANNUAL SUMMARY AND QUARTERLY REPORTS

004286

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

COUNTY BERNALILLO

WELL NUMBER MW-15

WELL LOCATION (LONGITUDE) 106 39' 42.6'' *1

WELL LOCATION (LATITUDE) 35 11' 23.0'' *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 8/23/84

DRILLING METHOD HYDRT

INNER CASING DIAMETER 2.0

BOREHOLE DIAMETER 8.0

CASING MATERIAL PVC

METHOD OF DEVELOPMENT COMPR

ELEV BOTTOM OF BOREHOLE 4908.32

ELEV BOTTOM OF WELL CASING 4974.32 *2

ELEV BOTTOM OF SCREENED INT 4974.32 *2

ELEV OF TOP OF SCREENED INT 4984.32

SURVEYED ELEV OF CASING TOP 5047.15 *3

SURVEYED MEASURING PT. ELEV 5047.49 *4

DATE OF REPORT 2-23-96 SIGNATURE: John M. Wakefield

NAME (TYPED) John M. Wakefield

*1 Scaled from USGS 7.5' quad.
*2 Plugged back to this depth on 1/15/88.
*3 Not surveyed, measured from Surveyed Measuring Point Elevation.
*4 Surveyed Datum on well vault or outer protective casing.

b:wellid/bass

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93 (f) and 265.4 (b)]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-15

		SAMPLE DATES			
		02-08-95	N/A	08-02-95	10-11-95
PARAMETERS	UNITS	VALUE			
Elev. of G. Water	ft.	4975.11	N/A	4975.36	4974.60
pH (Avg)	S.U.	8.00	N/A	8.27	7.68
Spec Cond (Avg)	umhos/cm	740	N/A	640	616
T.O.X. (Avg)	ug/1	40	N/A	29	32
T.O.C. (Avg)	mg/1	<1.0	N/A	0.5	0.6
Chloride	mg/1			22	
Iron	ug/1				
Manganese	ug/1			<10	
Phenols	ug/1				
Sodium	mg/1			42.1	
Sulfate	mg/1			148	
Turbidity	NTU				

APPENDIX IX PARAMETERS

		SAMPLE DATES			
		02-08-95	N/A	08-02-95	10-11-95
PARAMETERS	UNITS	VALUE			
1,1 Dichloroethene	ug/L	2	N/A	1 J*	<0.2
Trichloroethene	ug/1	45	N/A	21	15
1,1,1 Trichloroethane	ug/L			7	
Chromium, Hexavalent	MG/L			<0.05	
Chromium, Trivalent	MG/L			<0.05	
Chromium, Total	MG/L			<0.01	
Boron	MG/L			0.2	
Nickel	MG/L			<0.02	
Nitrite, Nitrate, Nitrogen	MG/L			4.4	
Total Kjeldahl Nitrogen	MG/L			0.21	

DATE OF REPORT: 2-23-96

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

*J = Estimated value analyte concentration below detection limit.

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

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NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FIRST QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-15 SAMPLE COLLECTION BY Donald A. Gutierrez

WELL DEPTH* 73.17 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 02/08/95 LABORATORY SAMPLE I.D. # 502350-05

TIME SAMPLED 1315 DATE RECEIVED BY LAB. 02/08/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4975.11	02/08/95
Well Casing Volume	-----	gal.	0.13	02/08/95
Pump Rate	-----	gal/min	0.11	02/08/95
Pump Period	74004	min.	27	02/08/95
Volume Evacuated	73675	gal.	0.54	02/08/95
Well Sampling Method	84077	---	BRDLP	02/08/95
Sampler Material		---	TEFLN	N/A
Well Sampling Method:			BLDRP	

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-15
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.00	units	02/09/95	
	00400	S.U.				9040
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	740	1	02/13/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	40	20	02/20/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	02/14/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4/4/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	2	1	N/A	02/21/95	8010
Trichloroethene		UG/L	45	1.0	N/A	02/21/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. SECOND QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-15*1 SAMPLE COLLECTION BY NA

WELL DEPTH*2 73.17 LABORATORY NAME NA

DATE SAMPLED NA LABORATORY SAMPLE I.D. # NA

TIME SAMPLED NA DATE RECEIVED BY LAB. NA

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	NA	04/20/95
Well Casing Volume	-----	gal.	NA	NA
Pump Rate	-----	gal/min	NA	NA
Pump Period	74004	min.	NA	NA
Volume Evacuated	73675	gal.	NA	NA
Well Sampling Method	84077	---	NA	NA
Sampler Material	____	---	TEFLN	NA

Well Sampling Method: ELDRP

*1 MW-15 was not sampled in the Second Quarter, 1995 as the well was dry.

*2 Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-15
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	NA			
	00400	S.U.				
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	NA			
	00095	umhos/cm				
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	NA			
	70354	ug/1				
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	NA			
	00680	mg/1				
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 5/26/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	NA				
Trichloroethene		UG/L	NA				

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. THIRD QUARTER 1995

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-15 SAMPLE COLLECTION BY Don A. Gutierrez

WELL DEPTH* 73.17 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 08/02/95 LABORATORY SAMPLE I.D. # 508313-03

TIME SAMPLED 1016 DATE RECEIVED BY LAB. 08/02/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4975.36	08/02/95
Well Casing Volume	-----	gal.	0.17	08/02/95
Pump Rate	-----	gal/min	0.10	08/02/95
Pump Period	72004	min.	17	08/02/95
Volume Evacuated	73675	gal.	0.69	08/02/95
Well Sampling Method	84077	---	BRDLP	08/02/95
Sampler Material		---	TEFLN	N/A
Well Sampling Method:			BLDRP	

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-15
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.27	NA	08/02/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	640	20	08/4/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	29	8	08/14/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	0.5	0.5	08/15/95	
	00680	mg/1				415.1
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
MW-15
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	22	5	08/11/95	9253
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	<10	10	08/15/95	6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	42.1	0.1	08/15/95	6010
Sulfate	00945	mg/1	148	50	08/11/95	9038
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10-24-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	1 J*1	5	N/A	08/10/95	8240
Trichloroethene		UG/L	21	5	N/A	08/10/95	8240
1,1,1-Trichloroethane		UG/L	7	5	N/A	08/10/95	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	<0.05	0.05	N/A	08/03/95	7196
Chromium, Trivalent		MG/L	<0.05	0.05	N/A	08/03/95	7196
Chromium, Total		MG/L	<0.01	0.01	8-10-95 *2	08/15/95	200.7
Boron		MG/L	0.2	0.1	8-10-95 *2	08/15/95	200.7
Nickel		MG/L	<0.02	0.02	8-10-95 *2	08/15/95	200.7
Nitrogen, Nitrate		MG/L	4.4	0.10	N/A	08/03/95	353.2
Total Kjeldahl Nitrogen		MG/L	0.21	0.10	N/A	08/07/95	351.2

*1 J = estimated value, analyte found below detection limit.
*2 Date Digested.

INDICATOR PARAMETERS
MW-15
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.68	NA	10/11/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	616	20	10/13/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	32	8	10/16/95	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	0.6	0.5	10/16/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

004302

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-27-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

004304

SECTION 4

MW-16

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

COUNTY BERNALILLO

WELL NUMBER MW-16

WELL LOCATION (LONGITUDE) 106 39' 38.2'' *1

WELL LOCATION (LATITUDE) 35 11' 21.6'' *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 8/16/84

DRILLING METHOD HLWAG

INNER CASING DIAMETER 2.0

BOREHOLE DIAMETER 7.5

CASING MATERIAL PVC

METHOD OF DEVELOPMENT BAILD

ELEV BOTTOM OF BOREHOLE 4975.98

ELEV BOTTOM OF WELL CASING 4975.98

ELEV BOTTOM OF SCREENED INT 4975.98

ELEV OF TOP OF SCREENED INT 4980.98

SURVEYED ELEV OF CASING TOP 5047.21 *2

SURVEYED MEASURING PT. ELEV 5047.50 *3

DATE OF REPORT 2-23-96 SIGNATURE: John M. Wakefield

NAME (TYPED) John M. Wakefield

*1 Scaled from USGS 7.5' quad.
*2 Not surveyed, measured from Surveyed Measuring Point Elevation.
*3 Surveyed Datum on well vault or outer protective casing.

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93 (f) and 265.4 (b)]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-16

		SAMPLE DATES			
		02-08-95	04-21-95	08-01-95	10-11-95
PARAMETERS	UNITS	VALUE			
Elev. of G. Water	ft.	4980.34	4979.90	4980.76	4980.03
pH (Avg)	S.U.	7.59	7.5	7.61	7.35
Spec Cond (Avg)	umhos/cm	1400	970	1300	1400
T.O.X. (Avg)	ug/1	4800	6100	4900	5100
T.O.C. (Avg)	mg/1	2	1.5	2	0.7
Chloride	mg/1			71	
Iron	ug/1				
Manganese	ug/1			20	
Phenols	ug/1				
Sodium	mg/1			92	
Sulfate	mg/1			180	
Turbidity	NTU				

APPENDIX IX PARAMETERS

		SAMPLE DATES			
		02-08-95	04-21-95	08-01-95	10-11-95
PARAMETERS	UNITS	VALUE			
1,1 Dichloroethene	ug/L	340	200	280	140
Trichloroethene	ug/L	8700	7100	9100	7400
1,1,1 Trichloroethane	ug/L			2700	
Tetrachloroethene	ug/L			69	
1,1,2 Trichloroethane	ug/L			7	
Chromium, Hexavalent	mg/L			0.52	
Chromium, Trivalent	mg/L			0.05	
Chromium, Total	mg/L			0.57	
Boron	mg/L			2.2	
Nickel	mg/L			0.05	
Nitrite, Nitrate, Nitrogen	mg/L			<5	
Total Kjeldahl Nitrogen	mg/L			51	

DATE OF REPORT: 2-23-96

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FIRST QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-16 SAMPLE COLLECTION BY Donald A. Gutierrez

WELL DEPTH* 71.52 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 02/08/95 LABORATORY SAMPLE I.D. # 502350-07

TIME SAMPLED 1410 DATE RECEIVED BY LAB. 02/08/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4980.34	02/08/95
Well Casing Volume	----	gal.	0.71	02/08/95
Pump Rate	-----	gal/min	0.42	02/08/95
Pump Period	74004	min.	9	02/08/95
Volume Evacuated	73675	gal.	2.5	02/08/95
Well Sampling Method	84077	---	BRDLP	02/08/95
Sampler Material	----	---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-16
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.59	units	02/10/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	1400	1	02/13/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	4800	<2	02/20/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	2	1.0	02/14/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4/4/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	340	100	N/A	02/21/95	8010
Trichloroethene		UG/L	8700	100	N/A	02/21/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. SECOND QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-16 SAMPLE COLLECTION BY Donald A. Gutierrez

WELL DEPTH* 71.52 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 04/21/95 LABORATORY SAMPLE I.D. # 504393-01

TIME SAMPLED 1203 DATE RECEIVED BY LAB. 04/21/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.90	04/21/95
Well Casing Volume	-----	gal.	0.64	04/21/95
Pump Rate	-----	gal/min	0.09	04/21/95
Pump Period	74004	min.	24	04/21/95
Volume Evacuated	73675	gal.	2.0	04/21/95
Well Sampling Method	84077	---	BRDLP	04/21/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-16
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.5	units	04/22/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	970	1	04/25/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	6100	20	04/26/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	1.5	1.0	04/25/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 5/26/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITOR WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monit ; as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 23942 (July 9, '), please list values for the Appendix VII or IX parameters which were found in your Appendix I: an.

PARAMETER	TORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	200	2	N/A	04/26/95	8010
Trichloroethene		UG/L	7100	100	N/A	04/26/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. THIRD QUARTER 1995

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-16 SAMPLE COLLECTION BY Don A. Gutierrez

WELL DEPTH* 71.52 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 08/01/95 LABORATORY SAMPLE I.D. # 508306-03

TIME SAMPLED 1416 DATE RECEIVED BY LAB. 08/01/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4980.76	08/01/95
Well Casing Volume	-----	gal.	0.78	08/01/95
Pump Rate	-----	gal/min	0.18	08/01/95
Pump Period	72004	min.	15	08/01/95
Volume Evacuated	73675	gal.	2.6	08/01/95
Well Sampling Method	84077	---	BRDLP	08/01/95
Sampler Material		---	TEFLN	N/A
Well Sampling Method:			BLDRP	

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-16
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	04400	S.U.	7.61	NA	08/01/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	1300	1	08/14/95	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	4900	800	08/08/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	2	1	08/09/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
MW-16
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	71	2	08/11/95	325.2
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	20	10	08/08/95	200.7
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	92	0.2	08/08/95	200.7
Sulfate	00945	mg/1	180	50	08/14/95	375.4
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10-24-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	280	5	N/A	08/11/95	8240
Trichloroethene		UG/L	9100	5	N/A	08/11/95	8240
1,1,1-Trichloroethane		UG/L	2700	5	N/A	08/11/95	8240
Tetrachloroethene		UG/L	69	5	N/A	08/11/95	8240
1 1,2 - Trichloroethane		UG/L	7	5	N/A	08/11/95	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	0.52	0.05	N/A	08/02/95	7196
Chromium, Trivalent		MG/L	0.05	0.05	N/A	08/02/95	7196
Chromium, Total		MG/L	0.57	0.01	8-7-95 *	08/08/95	200.7
Boron		MG/L	2.2	0.09	8-7-95 *	08/08/95	200.7
Nickel		MG/L	0.05	0.02	8-7-95 *	08/08/95	200.7
Nitrite-Nitrate, Nitrogen		MG/L	<5	5	N/A	08/14/95	353.2
Total Kjeldahl Nitrogen		MG/L	51	2.0	N/A	08/10/95	351.2

* Date Digested.

INTERIM STATUS MONITORING WELL
SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FOURTH QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-16 SAMPLE COLLECTION BY Don A. Gutierrez

WELL DEPTH* 71.52 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 10/11/95 LABORATORY SAMPLE I.D. # 510336-07

TIME SAMPLED 12:15 DATE RECEIVED BY LAB. 10/11/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4980.03	10/11/95
Well Casing Volume	-----	gal.	0.66	10/11/95
Pump Rate	-----	gal/min	0.12	10/11/95
Pump Period	72004	min.	17	10/11/95
Volume Evacuated	73675	gal.	2.0	10/11/95
Well Sampling Method	84077	---	BRDLP	10/11/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

004322

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-27-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M WAKEFIELD

N/A = Not Applicable

004324

SECTION 5

MW-19

ANNUAL SUMMARY AND QUARTERLY REPORTS

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93 (f) and 265.4 (b)]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-19

		SAMPLE DATES			
		02-08-95	04-19-95	08-02-95	10-11-95
PARAMETERS	UNITS	VALUE			
Elev. of G. Water	ft.	4973.56	4973.64	4974.48	4973.58
pH (Avg)	S.U.	7.58	7.4	7.90	7.19
Spec Cond (Avg)	umhos/cm	730	650	714	721
T.O.X. (Avg)	ug/1	40	70	11	16
T.O.C. (Avg)	mg/1	<1.0	<1.0	0.6	0.7
Chloride	mg/1			21.0	
Iron	ug/1				
Manganese	ug/1			10	
Phenols	ug/1				
Sodium	mg/1			53.7	
Sulfate	mg/1			80.7	
Turbidity	NTU				

APPENDIX IX PARAMETERS

		SAMPLE DATES			
		02-08-95	04-19-95	08-02-95	10-11-95
PARAMETERS	UNITS	VALUE			
1,1 Dichloroethene	ug/L	4	3.1	3 J*	1.7
Trichloroethene	ug/L	72	92	39	48
1,1,1 Trichloroethane	ug/L			1 J*	
Chromium, Hexavalent	ug/L			<0.05	
Chromium, Trivalent	ug/L			<0.05	
Chromium, Total	ug/L			<0.01	
Boron	ug/L			0.2	
Nickel	ug/L			<0.02	
Nitrite, Nitrate, Nitrogen	ug/L			5.7	
Total Kjeldahl Nitrogen	ug/L			0.26	

DATE OF REPORT: 2-23-96

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

*J = Estimated value analyte concentration below detection limit.

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FIRST QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-19 SAMPLE COLLECTION BY John M. Wakefield

WELL DEPTH* 111.43 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 02/08/95 LABORATORY SAMPLE I.D. # 502350-01

TIME SAMPLED 1000 DATE RECEIVED BY LAB. 02/08/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.56	02/08/95
Well Casing Volume	-----	gal.	25.29	02/08/95
Pump Rate	-----	gal/min	0.95	02/08/95
Pump Period	74004	min.	90	02/08/95
Volume Evacuated	73675	gal.	77.5	02/08/95
Well Sampling Method	84077	---	BRDLP	02/08/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-19
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.58	units	02/10/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	730	1	02/13/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	40	20	02/20/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	02/14/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4/4/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	4	1	N/A	02/21/95	8010
Trichloroethene		UG/L	72	1.0	N/A	02/21/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. SECOND QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-19 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 111.43 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 04/19/95 LABORATORY SAMPLE I.D. # 504384-01

TIME SAMPLED 1131 DATE RECEIVED BY LAB. 04/19/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.64	04/19/95
Well Casing Volume	-----	gal.	25.34	04/19/95
Pump Rate	-----	gal/min	0.90	04/19/95
Pump Period	74004	min.	96	04/19/95
Volume Evacuated	73675	gal.	77	04/19/95
Well Sampling Method	84077	---	BRDLP	04/19/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-19
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.4	units	04/21/95	
	00400	S.U.				9040
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	650	1	04/25/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	70	20	04/24/95	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	<1.0	1.0	04/25/95	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 5/26/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-3 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	3.1	0.2	N/A	04/21/95	8010
Trichloroethene		UG/L	92	2.0	N/A	04/21/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. THIRD QUARTER 1995

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-19 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 111.42 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 08/02/95 LABORATORY SAMPLE I.D. # 508313-01

TIME SAMPLED 0823 DATE RECEIVED BY LAB. 08/02/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.48	08/02/95
Well Casing Volume	-----	gal.	25.89	08/02/95
Pump Rate	-----	gal/min	0.83	08/02/95
Pump Period	72004	min.	103	08/02/95
Volume Evacuated	73675	gal.	79	08/02/95
Well Sampling Method	84077	---	BRDLP	08/02/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-19
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.90	NA	08/02/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	714	20	08/4/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	11	8	08/14/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	0.6	0.5	08/15/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
MW-19
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	21.0	5	08/11/95	9253
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	10	10	08/15/95	6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	53.7	0.1	08/15/95	6010
Sulfate	00945	mg/1	80.7	50	08/11/95	9038
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10-24-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	3 J*1	5	N/A	08/10/95	8240
Trichloroethene		UG/L	39	5	N/A	08/10/95	8240
1,1,1-Trichloroethane		UG/L	1 J*1	5	N/A	08/10/95	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	<0.05	0.05	N/A	08/03/95	7196
Chromium, Trivalent		MG/L	<0.05	0.05	N/A	08/03/95	7196
Chromium, Total		MG/L	<0.01	0.01	8-10-95 *2	08/15/95	200.7
Boron		MG/L	0.2	0.1	8-10-95 *2	08/15/95	200.7
Nickel		MG/L	<0.02	0.02	8-10-95 *2	08/15/95	200.7
Nitrogen, Nitrate		MG/L	5.7	0.25	N/A	08/03/95	353.2
Total Kjeldahl Nitrogen		MG/L	0.26	0.10	N/A	08/07/95	351.2

*1 J=Estimated value, analyte found below detection limit.
*2 Date Digested.

INTERIM STATUS MONITORING WELL
SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY INC. FOURTH QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-19 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 111.42 LABORATORY NAME Analytical Tech. Inc

DATE SAMPLED 10/11/95 LABORATORY SAMPLE I.D. # 510336-03

TIME SAMPLED 09:21 DATE RECEIVED BY LAB. 10/11/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.58	10/11/95
Well Casing Volume	-----	gal.	25.30	10/11/95
Pump Rate	-----	gal/min	.90	10/11/95
Pump Period	72004	min.	93	10/11/95
Volume Evacuated	73675	gal.	77.9	10/11/95
Well Sampling Method	84077	---	BRDLP	10/11/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the survey elevation on the outer protective casing.

004341

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-27-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M WAKEFIELD

N/A = Not Applicable

SECTION 6

MW-20

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

COUNTY BERNALILLO

WELL NUMBER MW-20

WELL LOCATION (LONGITUDE) 106 39' 42.7'' *1

WELL LOCATION (LATITUDE) 35 11' 20.6'' *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 9/27/86

DRILLING METHOD HYDRT

INNER CASING DIAMETER 4.0

BOREHOLE DIAMETER 7.9

CASING MATERIAL PVC

METHOD OF DEVELOPMENT COMPR

ELEV BOTTOM OF BOREHOLE 4906.49

ELEV BOTTOM OF WELL CASING 4906.49

ELEV BOTTOM OF SCREENED INT 4906.49

ELEV OF TOP OF SCREENED INT 4919.79

SURVEYED ELEV OF CASING TOP 5045.06 *2

SURVEYED MEASURING PT. ELEV 5045.79 *3

DATE OF REPORT 2-23-96 SIGNATURE: John M. Wakefield

NAME (TYPED) John M. Wakefield

*1 Scaled from USGS 7.5' quad.
*2 Not surveyed, measured from Surveyed Measuring Point Elevation.
*3 Surveyed Datum on well vault or outer protective casing.

b:wellid/bass

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93 (f) and 265.4 (b)]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-20

		SAMPLE DATES			
		02-08-95	04-19-95	08-02-95	10-11-95
PARAMETERS	UNITS	VALUE			
Elev. of G. Water	ft.	4973.02	4973.10	4973.85	4973.32
pH (Avg)	S.U.	7.81	7.6	7.93	7.21
Spec Cond (Avg)	umhos/cm	610	560	684	666
T.O.X. (Avg)	ug/1	<20	<20	10	25
T.O.C. (Avg)	mg/1	<1.0	1	0.7	0.7
Chloride	mg/1			20.0	
Iron	ug/1				
Manganese	ug/1			960	
Phenols	ug/1				
Sodium	mg/1			45.8	
Sulfate	mg/1			93.8	
Turbidity	NTU				

APPENDIX IX PARAMETERS

		SAMPLE DATES			
		02-08-95	04-19-95	08-02-95	10-11-95
PARAMETERS	UNITS	VALUE			
1,1 Dichloroethene	ug/L	<1	<0.2	<5	1.2
Trichloroethene	ug/L	5	0.2	11	26
1,1,1 Trichloroethane	ug/L			<5	
Chromium, Hexavalent	mg/L			<0.05	
Chromium, Trivalent	mg/L			<0.05	
Chromium, Total	mg/L			<0.01	
Boron	mg/L			0.1	
Nickel	mg/L			<0.02	
Nitrite, Nitrate, Nitrogen	mg/L			1.5	
Total Kjeldahl Nitrogen	mg/L			0.14	

DATE OF REPORT: 2-23-96

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FIRST QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-20 SAMPLE COLLECTION BY Donald A. Gutierrez

WELL DEPTH* 139.00 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 02/08/95 LABORATORY SAMPLE I.D.# 502350-02

TIME SAMPLED 1031 DATE RECEIVED BY LAB. 02/08/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.02	02/08/95
Well Casing Volume	-----	gal.	43.23	02/08/95
Pump Rate	-----	gal/min	1.15	02/08/95
Pump Period	74004	min.	120	02/08/95
Volume Evacuated	73675	gal.	131	02/08/95
Well Sampling Method	84077	---	BRDLP	02/08/95
Sampler Material		--	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-20
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.81	units	02/10/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	610	1	02/13/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	<20	20	02/20/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	02/14/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4/4/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	<1	1	N/A	02/21/95	8010
Trichloroethene		UG/L	5	1.0	N/A	02/21/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. SECOND QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-20 SAMPLE COLLECTION BY Donald A. Gutierrez

WELL DEPTH* 139.00 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 04/19/95 LABORATORY SAMPLE I.D. # 504384-02

TIME SAMPLED 1145 DATE RECEIVED BY LAB. 04/19/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.10	04/19/95
Well Casing Volume	-----	gal.	43.29	04/19/95
Pump Rate	-----	gal/min	1.39	04/19/95
Pump Period	74004	min.	105	04/19/95
Volume Evacuated	73675	gal.	133	04/19/95
Well Sampling Method	84077	---	BRDLP	04/19/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-20
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.6	units	04/21/95	
	00400	S.U.				9040
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	560	1	04/25/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	<20	20	04/24/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	1	1.0	04/25/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 8/28/95

SIGNATURE: [signature]

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

INDICATOR PARAMETERS
MW-20
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.93	NA	08/02/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	684	20	08/4/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	10	8	08/14/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	0.7	0.5	08/15/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
MW-20
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	20.0	5	08/11/95	9253
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	960	10	08/15/95	6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	45.8	0.1	08/15/95	6010
Sulfate	00945	mg/1	93.8	50	08/11/95	9038
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10-24-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	<5	5	N/A	08/10/95	8240
Trichloroethene		UG/L	11	5	N/A	08/10/95	8240
1,1,1-Trichloroethane		UG/L	<5	5	N/A	08/10/95	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	<0.05	0.05	N/A	08/03/95	7196
Chromium, Trivalent		MG/L	<0.05	0.05	N/A	08/03/95	7196
Chromium, Total		MG/L	<0.01	0.01	8-10-95 *	08/15/95	200.7
Boron		MG/L	0.1	0.1	8-10-95 *	08/15/95	200.7
Nickel		MG/L	<0.02	0.02	8-10-95 *	08/15/95	200.7
Nitrogen, Nitrate		MG/L	1.5	0.05	N/A	08/03/95	353.2
Total Kjeldahl Nitrogen		MG/L	0.14	0.10	N/A	08/07/95	351.2

* Date Digested.

INTERIM STATUS MONITORING WELL
SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FOURTH QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-20 SAMPLE COLLECTION BY Don A. Gutierrez

WELL DEPTH* 139.00 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 10/11/95 LABORATORY SAMPLE I.D. # 510336-02

TIME SAMPLED 09:32 DATE RECEIVED BY LAB: 10/11/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.32	10/11/95
Well Casing Volume	-----	gal.	43.43	10/11/95
Pump Rate	-----	gal/min	1.24	10/11/95
Pump Period	72004	min.	114	10/11/95
Volume Evacuated	73675	gal.	133	10/11/95
Well Sampling Method	84077	---	BRDLP	10/11/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

004361

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-27-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M WAKEFIELD

N/A = Not Applicable

004363

SECTION 7

MW-21

ANNUAL SUMMARY AND QUARTERLY REPORTS

004365

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

COUNTY BERNALILLO

WELL NUMBER MW-21

WELL LOCATION (LONGITUDE) 106 39' 40.2'' *1

WELL LOCATION (LATITUDE) 35 11' 22.4'' *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 8/6/86

DRILLING METHOD HLWAG

INNER CASING DIAMETER 2.0

BOREHOLE DIAMETER 7.5

CASING MATERIAL PVC

METHOD OF DEVELOPMENT BAILD

ELEV BOTTOM OF BOREHOLE 4977.80

ELEV BOTTOM OF WELL CASING 4977.80

ELEV BOTTOM OF SCREENED INT 4977.80

ELEV OF TOP OF SCREENED INT 4982.80

SURVEYED ELEV OF CASING TOP 5047.72 *2

SURVEYED MEASURING PT. ELEV 5048.36 *3

DATE OF REPORT 2-23-96 **SIGNATURE:** John M. Wakefield

NAME (TYPED) John M. Wakefield

*1 Scaled from USGS 7.5' quad.
*2 Not surveyed, measured from Surveyed Measuring Point Elevation.
*3 Surveyed Datum on well vault or outer protective casing.

b:wellid/bass

ANNUAL SUMMARY OF MONITOR WELL DATA
FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status.
[HWMR-5, Part VI, Section 265.93 (f) and 265.4 (b)]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-21

		SAMPLE DATES			
		02-08-95	04-19-95	08-02-95	10-10-95
PARAMETERS	UNITS	VALUE			
Elev. of G. Water	ft.	4980.43	4979.85	4980.43	4980.09
pH (Avg)	S.U.	7.85	7.7	8.01	7.27
Spec Cond (Avg)	umhos/cm	570	560	641	629
T.O.X. (Avg)	ug/1	220	160	540	210
T.O.C. (Avg)	mg/1	<1.0	<1.0	0.7	0.6
Chloride	mg/1			17.0	
Iron	ug/1				
Manganese	ug/1			<10	
Phenols	ug/1				
Sodium	mg/1			45.0	
Sulfate	mg/1			65.3	
Turbidity	NTU				

APPENDIX IX PARAMETERS

PARAMETERS	UNITS	SAMPLE DATES 02-08-95	04-19-95	08-02-95	10-10-95
		VALUE			
1,1 Dichloroethene	ug/L	19	6.0	13	12
Trichloroethene	ug/L	270	160	200	280
1,1,1 Trichloroethane	ug/L			92	
Tetrachloroethene	ug/L			2 J*	
Chromium, Hexavalent	MG/L			<0.05	
Chromium, Trivalent	MG/L			<0.05	
Chromium, Total	MG/L			<0.01	
Boron	MG/L			0.2	
Nickel	MG/L			<0.02	
Nitrite, Nitrate, Nitrogen	MG/L			3.2	
Total Kjeldahl Nitrogen	MG/L			0.11	

DATE OF REPORT: 2-23-96

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

J = Estimated value analyte concentration below detection limit.

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FIRST QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-21 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 70.56 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 02/08/95 LABORATORY SAMPLE I.D. # 502350-06

TIME SAMPLED 1325 DATE RECEIVED BY LAB. 02/08/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4980.43	02/08/95
Well Casing Volume	-----	gal.	0.43	02/08/95
Pump Rate	-----	gal/min	0.08	02/08/95
Pump Period	74004	min.	23	02/08/95
Volume Evacuated	73675	gal.	1.5	02/08/95
Well Sampling Method	84077	---	BRDLP	02/08/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-21
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.85	units	02/10/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	570	1	02/13/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	220	20	02/20/95	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	<1.0	1.0	02/14/95	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4/4/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	19	10	N/A	02/21/95	8010
Trichloroethene		UG/L	270	10.0	N/A	02/21/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. SECOND QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-21 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 70.56 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 04/19/95 LABORATORY SAMPLE I.D. # 504384-05

TIME SAMPLED 1340 DATE RECEIVED BY LAB. 04/19/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.85	04/19/95
Well Casing Volume	-----	gal.	0.33	04/19/95
Pump Rate	-----	gal/min	0.06	04/19/95
Pump Period	74004	min.	23	04/19/95
Volume Evacuated	73675	gal.	1.1	04/19/95
Well Sampling Method	84077	---	BRDLP	04/19/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-21
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.7	units	04/21/95	
	00400	S.U.				9040
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	560	1	04/25/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	160	20	04/25/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	04/25/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 5/29/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	6.0	0.2	N/A	04/22/95	8010
Trichloroethene		UG/L	180	2.0	N/A	04/21/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. THIRD QUARTER 1995

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-21 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 70.56 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 08/02/95 LABORATORY SAMPLE I.D. # 508313-04

TIME SAMPLED 0945 DATE RECEIVED BY LAB. 08/02/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4980.43	08/02/95
Well Casing Volume	-----	gal.	0.43	08/02/95
Pump Rate	-----	gal/min	0.10	08/02/95
Pump Period	72004	min.	40	08/02/95
Volume Evacuated	73675	gal.	3.5	08/02/95
Well Sampling Method	84077	---	BRDLP	08/02/95
Sampler Material		---	TEFLN	N/A
Well Sampling Method:			BLDRP	

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-21
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.01	NA	08/02/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	641	20	08/04/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	540	800	08/14/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	0.7	0.5	08/15/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
MW-21
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	17.0	5	08/11/95	9253
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	<10	10	08/15/95	6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	45.0	0.1	08/15/95	6010
Sulfate	00945	mg/1	65.3	50	08/11/95	9038
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10-24-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	13	5	N/A	08/10/95	8240
Trichloroethene		UG/L	200	5	N/A	08/10/95	8240
1,1,1-Trichloroethane		UG/L	92	5	N/A	08/10/95	8240
Tetrachloroethene		UG/L	2 J*1	5	N/A	08/10/95	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	<0.05	0.05	N/A	08/03/95	7196
Chromium, Trivalent		MG/L	<0.05	0.05	N/A	08/03/95	7196
Chromium, Total		MG/L	<0.01	0.01	8-10-95 *2	08/15/95	200.7
Boron		MG/L	0.2	0.1	8-10-95 *2	08/15/95	200.7
Nickel		MG/L	<0.02	0.02	8-10-95 *2	08/15/95	200.7
Nitrogen, Nitrate		MG/L	3.2	0.10	N/A	08/03/95	353.2
Total Kjeldahl Nitrogen		MG/L	0.11	0.10	N/A	08/07/95	351.2

*1 J = Estimated value, analyte found below detection limit.
*2 Date Digested.

INTERIM STATUS MONITORING WELL
SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FOURTH QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-21 SAMPLE COLLECTION BY Pete H. Metzner

WELL DEPTH* 70.56 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 10/10/95 LABORATORY SAMPLE I.D. # 510332-01

TIME SAMPLED 14:05 DATE RECEIVED BY LAB. 10/10/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4980.09	10/10/95
Well Casing Volume	-----	gal.	0.37	10/10/95
Pump Rate	-----	gal/min	0.05	10/10/95
Pump Period	72004	min.	36	10/10/95
Volume Evacuated	73675	gal.	1.25	10/10/95
Well Sampling Method	84077	---	BRDLP	10/10/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

004381

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-27-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M WAKEFIELD

N/A = Not Applicable

004383

SECTION 8

MW-22

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

COUNTY BERNALILLO

WELL NUMBER MW-22

WELL LOCATION (LONGITUDE) 106 39' 35.8'' *1

WELL LOCATION (LATITUDE) 35 11' 20.6'' *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 8/8/86

DRILLING METHOD HLWAG

INNER CASING DIAMETER 2.0

BOREHOLE DIAMETER 7.5

CASING MATERIAL PVC

METHOD OF DEVELOPMENT BAILD

ELEV BOTTOM OF BOREHOLE 4970.51

ELEV BOTTOM OF WELL CASING 4972.01

ELEV BOTTOM OF SCREENED INT 4972.01

ELEV OF TOP OF SCREENED INT 4977.01

SURVEYED ELEV OF CASING TOP 5047.41 *2

SURVEYED MEASURING PT. ELEV 5048.06 *3

DATE OF REPORT 2-23-96 SIGNATURE: John M. Wakefield

NAME (TYPED) John M. Wakefield

*1 Scaled from USGS 7.5' quad.
*2 Not surveyed, measured from Surveyed Measuring Point Elevation.
*3 Surveyed Datum on well vault or outer protective casing.

b:wellid/bass

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93 (f) and 265.4 (b)]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-22

		SAMPLE DATES			
		02-08-95	04-21-95	08-02-95	10-11-95
PARAMETERS	UNITS	VALUE			
Elev. of G. Water	ft.	4978.96	4978.87	4980.12	4979.47
pH (Avg)	S.U.	7.67	7.3	7.81	7.42
Spec Cond (Avg)	umhos/cm	710	640	703	696
T.O.X. (Avg)	ug/1	70	110	55	83
T.O.C. (Avg)	mg/1	<1.0	<1.0	1.6	0.8
Chloride	mg/1			18.0	
Iron	ug/1				
Manganese	ug/1			<10	
Phenols	ug/1				
Sodium	mg/1			47.2	
Sulfate	mg/1			61.9	
Turbidity	NTU				

APPENDIX IX PARAMETERS

		SAMPLE DATES			
		02-08-95	04-21-95	08-02-95	10-11-95
PARAMETERS	UNITS	VALUE			
1,1 Dichloroethene	ug/L	20	10	8	6.9
Trichloroethene	ug/L	72	100	32	34
1,1,1 Trichloroethane	ug/L			23	
Chromium, Hexavalent	MG/L			<0.05	
Chromium, Trivalent	MG/L			<0.05	
Chromium, Total	MG/L			<0.01	
Boron	MG/L			0.2	
Nickel	MG/L			<0.02	
Nitrite, Nitrate, Nitrogen	MG/L			6.5	
Total Kjeldahl Nitrogen	MG/L			0.26	

DATE OF REPORT: 2-23-96

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d)(4), (5), and (7)(e), and (f), and Section 265.94(b).]

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FIRST QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-22 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 76.05 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 02/08/95 LABORATORY SAMPLE I.D. # 502350-08

TIME SAMPLED 1434 DATE RECEIVED BY LAB. 02/08/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4978.96	02/08/95
Well Casing Volume	----	gal.	1.13	02/08/95
Pump Rate	----	gal/min	0.12	02/08/95
Pump Period	74004	min.	31	02/08/95
Volume Evacuated	73675	gal.	3.5	02/08/95
Well Sampling Method	84077	---	BRDLP	02/08/95
Sampler Material	----	---	TEFLN	N/A
Well Sampling Method:		BLDRP		

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-22
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.67	units	02/10/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	710	1	02/13/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	70	20	02/20/95	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	<1.0	1.0	02/14/95	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4/4/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	20	1	N/A	02/22/95	8010
Trichloroethene		UG/L	72	1.0	N/A	02/22/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

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NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
/P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. SECOND QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-22 SAMPLE COLLECTION BY Donald A. Gutierrez

WELL DEPTH* 76.05 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 04/21/95 LABORATORY SAMPLE I.D. # 504393-02

TIME SAMPLED 0922 DATE RECEIVED BY LAB. 04/21/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4978.87	04/21/95
Well Casing Volume	-----	gal.	1.12	04/21/95
Pump Rate	-----	gal/min	0.12	04/21/95
Pump Period	74004	min.	30	04/21/95
Volume Evacuated	73675	gal.	3.5	04/21/95
Well Sampling Method	84077	---	BRDLP	04/21/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-22
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.3	units	04/22/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	640	1	04/25/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	110	20	04/25/95	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	<1.0	1.0	04/25/95	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	NA			
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	NA			
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	NA			
Sulfate	00945	mg/1	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 5/29/95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethane		UG/L	10	0.2	N/A	04/25/95	8010
Trichloroethene		UG/L	100	2.0	N/A	04/26/95	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

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NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. THIRD QUARTER 1995

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-22 SAMPLE COLLECTION BY Don A. Gutierrez

WELL DEPTH* 76.05 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 08/02/95 LABORATORY SAMPLE I.D. # 508313-05

TIME SAMPLED 1102 DATE RECEIVED BY LAB. 08/02/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4980.12	08/02/95
Well Casing Volume	-----	gal.	1.32	08/02/95
Pump Rate	-----	gal/min	0.13	08/02/95
Pump Period	72004	min.	33	08/02/95
Volume Evacuated	73675	gal.	4.0	08/02/95
Well Sampling Method	84077	---	BRDLP	08/02/95
Sampler Material		---	TEFLN	N/A
Well Sampling Method:			BLDRP	

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

INDICATOR PARAMETERS
MW-22
PAGE 2

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.81	NA	08/02/95	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	703	20	08/04/95	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	55	8	08/14/95	
	70354	ug/1				9020
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	1.6	0.5	08/15/95	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
MW-22
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	18.0	5	08/11/95	9253
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	<10	10	08/15/95	6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	47.2	0.1	08/15/95	6010
Sulfate	00945	mg/1	61.9	50	08/11/95	9038
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10-24-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M. WAKEFIELD

N/A = Not Applicable

MONITORING WELL APPENDIX VI OR IX DATA FOR FACILITIES IN ASSESSMENT

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d)(4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNIT	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1,-Dichloroethene		UG/L	8	5	N/A	08/10/95	8240
Trichloroethene		UG/L	32	5	N/A	08/10/95	8240
1,1,1-Trichloroethane		UG/L	23	5	N/A	08/10/95	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	<0.05	0.05	N/A	08/03/95	7196
Chromium, Trivalent		MG/L	<0.05	0.05	N/A	08/03/95	7196
Chromium, Total		MG/L	<0.01	0.01	8-10-95 *	08/15/95	200.7
Boron		MG/L	0.2	0.1	8-10-95 *	08/15/95	200.7
Nickel		MG/L	<0.02	0.02	8-10-95 *	08/15/95	200.7
Nitrogen, Nitrate		MG/L	6.5	0.25	N/A	08/03/95	353.2
Total Kjeldahl Nitrogen		MG/L	0.26	0.10	N/A	08/07/95	351.2

* Date Digested.

INTERIM STATUS MONITORING WELL
SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

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NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC. FOURTH QUARTER 1995

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-22 SAMPLE COLLECTION BY Pete H. Metzner

WELL DEPTH* 76.05 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 10/11/95 LABORATORY SAMPLE I.D. # 510332-08

TIME SAMPLED 11:25 DATE RECEIVED BY LAB. 10/11/95

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.47	10/11/95
Well Casing Volume	-----	gal.	1.22	10/11/95
Pump Rate	-----	gal/min	0.15	10/11/95
Pump Period	72004	min.	30	10/11/95
Volume Evacuated	73675	gal.	3.75	10/11/95
Well Sampling Method	84077	---	BRDLP	10/11/95
Sampler Material		---	TEFLN	N/A

Well Sampling Method: BLDRP

* Well Depth = Total depth elevation subtracted from the surveyed elevation on the outer protective casing.

004401

GROUND WATER QUALITY PARAMETERS
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-27-95

SIGNATURE: John M. Wakefield

NAME (PRINTED): JOHN M WAKEFIELD

N/A = Not Applicable

SECTION 9

FIRST QUARTER, 1995

LABORATORY REPORT

Analytical Technologies, Inc.

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

ATI I.D. **502350**

February 27, 1995

Sparton Technology Inc.
9621 Coors Rd NW
Albuquerque, NM 87114

Project Name/Number: AGMP-1Q95 020895

Attention: John W. Wakefield

On **02/08/95**, 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.

EPA Method 8010 analyses were performed by Analytical Technologies, Inc., 11 East Olive Road, Pensacola, FL.

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

EPA method 9040 (pH) analysis for "MW-15" was performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

All other analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

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

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical Technologies, Inc.

ATI ACCESSION #: 502350

DATES OF ANALYSIS

PARAMETER	EPA METHOD	DATE ANALYZED	ANALYST	DETECTION LIMITS
pH	150.1	02/10/95	P. Norton/ D. Dettman	UNITS
pH ~~(MW-19)~~ MW-15 JMW 4-4-95	9040	02/09/95	L. Raymond	UNITS
Total Organic Carbon	415.2	02/14/95	T. Canoedal	<1.0 mg/L
Total Organic Halide	9020	02/20/95	L. Raymond	<2 (MW-16) <20 (all other samples)
Conductivity	9050	02/13/95	L. Raymond	umhos/cm

Analytical Technologies, Inc.

CLIENT : SPARTON TECHNOLOGY INC. DATE RECEIVED : 02/08/95
PROJECT # : 020895
PROJECT NAME : AGMP-1Q95 REPORT DATE : 02/24/95

ATI ID: 502350

	ATI PESACOLA ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	502350-01	MW-19	AQUEOUS	02/08/95
02	502350-02	MW-20	AQUEOUS	02/08/95
03	502350-03	MW-14	AQUEOUS	02/08/95
04	502350-04	MW-9	AQUEOUS	02/08/95
05	502350-05	MW-15	AQUEOUS	02/08/95
06	502350-06	MW-21	AQUEOUS	02/08/95
07	502350-07	MW-16	AQUEOUS	02/08/95
08	502350-08	MW-22	AQUEOUS	02/08/95
09	502350-09	FIELD BLANK	AQUEOUS	02/08/95
10	502350-10	TRIP BLANK	AQUEOUS	02/08/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	10

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.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 502350
PROJECT # : 020895
PROJECT NAME : AGMP-1Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-19	AQUEOUS	02/08/95	NA	02/21/95	1
02	MW-20	AQUEOUS	02/08/95	NA	02/21/95	1
03	MW-14	AQUEOUS	02/08/95	NA	02/21/95	10

PARAMETER	UNITS	01	02	03
1,1-DICHLOROETHENE	UG/L	4	<1	33
TRICHLOROETHENE	UG/L	72	5	690
SURROGATE:				
BROMOFLUOROBENZENE (%)		82	78	75

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 502350
PROJECT # : 020895
PROJECT NAME : AGMP-1Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	MW-9	AQUEOUS	02/08/95	NA	02/21/95	10
05	MW-15	AQUEOUS	02/08/95	NA	02/21/95	1
06	MW-21	AQUEOUS	02/08/95	NA	02/21/95	10

PARAMETER	UNITS	04	05	06
1,1-DICHLOROETHENE	UG/L	57	2	19
TRICHLOROETHENE	UG/L	850	45	270
SURROGATE:				
BROMOFLUOROBENZENE (%)		78	78	84

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 502350
PROJECT # : 020895
PROJECT NAME : AGMP-1Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-16	AQUEOUS	02/08/95	NA	02/21/95	100
08	MW-22	AQUEOUS	02/08/95	NA	02/22/95	1
09	FIELD BLANK	AQUEOUS	02/08/95	NA	02/22/95	1

PARAMETER	UNITS	07	08	09
1,1-DICHLOROETHENE	UG/L	340	20	<1
TRICHLOROETHENE	UG/L	8700	72	<1
SURROGATE:				
BROMOFLUOROBENZENE (%)		79	83	79

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 502350
PROJECT # : 020895
PROJECT NAME : AGMP-1Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	TRIP BLANK	AQUEOUS	02/01/95	NA	02/22/95	1

PARAMETER	UNITS	10
1,1-DICHLOROETHENE	UG/L	<1
TRICHLOROETHENE	UG/L	<1
SURROGATE:		
BROMOFLUOROBENZENE (%)		80

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 502350
BLANK I.D.	: LUW030	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 020895	DATE ANALYZED	: 02/21/95
PROJECT NAME	: AGMP-1Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<1
TRICHLOROETHENE	UG/L	<1
SURROGATE:		
BROMOFLUOROBENZENE (%)		83

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST : PURGEABLE HALOCARBONS (EPA 8010)

MSMSD # : LUW030

CLIENT : SPARTON TECHNOLOGY

PROJECT # : 020895

PROJECT NAME : AGMP-1Q95

REF. I.D. :

ATI I.D. : 502350

DATE EXTRACTED : NA

RS DATE ANALYZED : 02/20/95

RSD DATE ANALYZED : 02/20/95

RS DATE EXTRACTED : NA

RSD DATE EXTRACTED NA

SAMPLE MATRIX : AQUEOUS

UNITS : UG/L

PARAMETER	SPIKE ADDED	SAMPLE CONC	RS CONC	RS %REC	RSD CONC	RSD %REC	RPD	RPD LMTS	REC LMTS
1,1-DICHLOROETHENE	50	<1	57	114	58	116	2	19	58-153
TRICHLOROETHENE	50	<1	52	104	54	108	4	10	71-127

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

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

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST : PURGEABLE HALOCARBONS (EPA 8010)

MSMSD # : 50273402

CLIENT : SPARTON TECHNOLOGY

PROJECT # : 020895

PROJECT NAME : AGMP-1Q95

REF. I.D. : 50273402

ATI I.D. : 502350

DATE EXTRACTED : NA

MS DATE ANALYZED : 02/22/95

MSD DATE ANALYZED : 02/22/95

MS DATE EXTRACTED : NA

MSD DATE EXTRACTED NA

SAMPLE MATRIX : AQUEOUS

UNITS : UG/L

PARAMETER	SPIKE ADDED	SAMPLE CONC	MS CONC	MS %REC	MSD CONC	MSD %REC	RPD	RPD LMTS	REC LMTS
1,1-DICHLOROETHENE	50	<1	56	112	54	108	4	21	76-118
TRICHLOROETHENE	50	5	51	92	52	94	2	15	75-119

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

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

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 502350
PROJECT #	: 020895	DATE RECEIVED	: 02/08/95
PROJECT NAME	: AGMP-1Q95	DATE ANALYZED	: 02/10/95

PARAMETER	UNITS	01	02	03	04
PH (150.1)	UNITS	7.58	7.81	8.51	7.79

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 502350
PROJECT #	: 020895	DATE RECEIVED	: 02/08/95
PROJECT NAME	: AGMP-1Q95	DATE ANALYZED	: 02/10/95

PARAMETER	UNITS	06	07	08	09
PH (150.1)	UNITS	7.85	7.59	7.67	5.82

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 502350
PROJECT #	: 020895	DATE RECEIVED	: 02/08/95
PROJECT NAME	: AGMP-1Q95	DATE ANALYZED	: 02/10/95

PARAMETER	UNITS	10
PH (150.1)	UNITS	5.75

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY INC. ATI I.D. : 502350

PROJECT # : 020895 SAMPLE MATRIX : AQUEOUS

PROJECT NAME : AGMP-1Q95

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PH	UNITS	50235001	7.58	7.67	1.3	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.

CORROSIVITY
Method 9040

Lab Name: Analytical Technologies, Inc.

Date Collected: 02/08/95

Client Name: ATI-NM

Date Analyzed: 02/09/95

Client Project ID: Spartan -- 502350

Sample Matrix: Water

Lab Workorder Number: 95-02-061

Sample ID	Lab Sample ID	Corrosivity (pH)
MW-15	95-02-061-05	8.0

TOTAL ORGANIC CARBON

Method 415.2

Analytical Technologies, Inc.

Lab Name: Analytical Technologies, Inc.

Date Collected: 02/08/95

Client Name: ATI-NM

Date Analyzed: 02/14/95

Client Project ID: Spartan -- 502350

Sample Matrix: Water

Lab Workorder Number: 95-02-061

Sample ID	Lab Sample ID	Volume Injected (mL)	TOC Conc. (mg/L)	TOC AVG	RPD
Reagent Blank	RB 95-02-061	1	< 1.0	< 1.0	N/A
MW-19	95-02-061-01	1	< 1.0		
	95-02-061-01DUP	1	< 1.0	< 1.0	N/A
MW-20	95-02-061-02	1	< 1.0		
	95-02-061-02DUP	1	< 1.0	< 1.0	N/A
MW-14	95-02-061-03	1	1		
	95-02-061-03DUP	1	1	1	0
MW-9	95-02-061-04	1	1		
	95-02-061-04DUP	1	1	1	0
MW-15	95-02-061-05	1	< 1.0		
	95-02-061-05DUP	1	< 1.0	< 1.0	N/A
MW-21	95-02-061-06	1	< 1.0		
	95-02-061-06DUP	1	< 1.0	< 1.0	N/A
MW-16	95-02-061-07	1	2		
	95-02-061-07DUP	1	2	2	0
MW-22	95-02-061-08	1	< 1.0		
	95-02-061-08DUP	1	< 1.0	< 1.0	N/A
Field Blank	95-02-061-09	1	< 1.0		
	95-02-061-09DUP	1	< 1.0	< 1.0	N/A
Trip Blank	95-02-061-10	1	< 1.0		
	95-02-061-10DUP	1	< 1.0	< 1.0	N/A

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Date Collected: 02/08/95

Client Name: ATI-NM

Date Extracted: 02/20/95

Client Project ID: Spartan -- 502350

Date Analyzed: 02/20/95

Lab Workorder Number: 95-02-061

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB95-02-061	100	< 20
MW-19	95-02-061-01	100	40
MW-20	95-02-061-02	100	< 20
MW-14	95-02-061-03	100	420
MW-9	95-02-061-04	100	520
MW-15	95-02-061-05	100	40
MW-21	95-02-061-06	100	220
MW-16	95-02-061-07	10	4800
MW-22	95-02-061-08	100	70
Field Blank	95-02-061-09	100	< 20
Trip Blank	95-02-061-10	100	< 20

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE MATRIX SPIKE RESULTS

Modified Method 9020 TOX

Sample ID

MW-20

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Lab Sample ID: 95-02-061-02

Sample Matrix: Water

Date Extracted: 02/20/95

Date Analyzed: 02/20/95

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS Percent Recovery
2,4,6-Trichlorophenol	200	< 20	220	110

Analytical Technologies, Inc.

CONDUCTIVITY
Method 9050

Lab Name: Analytical Technologies, Inc.

Date Collected: 02/08/95

Client Name: ATI-NM

Date Analyzed: 02/13/95

Client Project ID: Spartan -- 502350

Sample Matrix: Water

Lab Workorder Number: 95-02-061

Sample ID	Lab Sample ID	Conductivity (umhos/cm)
MW-19	95-02-061-01	730
MW-20	95-02-061-02	610
MW-14	95-02-061-03	800
MW-9	95-02-061-04	800
MW-15	95-02-061-05	740
MW-21	95-02-061-06	570
MW-16	95-02-061-07	1400
MW-22	95-02-061-08	710
Field Blank	95-02-061-09	1.3
Trip Blank	95-02-061-10	0.87

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE 2/8/95 PAGE 1 OF 2

NETWORK PROJECT MANAGER: LETITIA KRAKOWSKI

COMPANY: **Analytical Technologies, Inc.**

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

CLIENT PROJECT MANAGER:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)		632/632 MOD	619/619 MOD	610/8310	Ph	Electrical Conductivity	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
502350 -01	2/8	1000	AQ	01	X	X									X																			5
-02		1031		02	X	X									X																			5
-03		1150		03	X	X									X																			5
-04		1153		04	X	X									X																			5
-05		1315		05	X	X								X	X																			3
-06		1325		06	X	X									X																			5
-07		1410		07	X	X									X																			5
-08		1434		08	X	X									X																			5
-09		1430		09	X	X									X																			3
-10 (TB)	2/1	—		10	X	X									X																			3

4 TO 1 Ex
2 TO 1 Ex
4 TO 1 Ex
2 TO 1 Ex

004425

PROJECT INFORMATION	
PROJECT NUMBER:	502350
PROJECT NAME:	Spartan
QC LEVEL:	STD. IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	46
CHAIN OF CUSTODY SEALS	N/A
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: D. Lutter Time: 1730	Signature: Time:
Printed Name: Dianne Lutter Date: 2/8/95	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company: FED-X
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 9:00
Printed Name: Date:	Printed Name: L. Kelly Date: 2-9-95
Company: FED-X	Company: ATI

DUE DATE: 2/22
RUSH SURCHARGE: 0
CLIENT DISCOUNT: 10 %

WO# 1253

AnalyticalTechnologies, Inc. Albuquerque, NM

Chain of Custody

DATE 2/20/95 PAGE 1 OF 1

NETWORK PROJECT MANAGER: LETITIA KRAKOWSKI

COMPANY: Analytical Technologies, Inc.
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

WATCH HOLD TIME

CLIENT PROJECT MANAGER:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)	632/632 MOD	619/619 MOD	610/8310	SDWD	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
502350 -01	2/8	1000	AQ	1									X													3
-02		1031		2									X													3
-03		1152		3									X													3
-04		1153		4									X													3
-05		1315		5									X													3
-06		1325		6									X													3
-07		1410		7									X													3
-08		1434		8									X													3
-09		1430		9									X													3
-10 (TB)	2/1	—		10									X													1

004426

PROJECT INFORMATION	
PROJECT NUMBER:	502350
PROJECT NAME:	Sparton
QC LEVEL:	STD. IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	28
CHAIN OF CUSTODY SEALS	Y
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	502734

DUE DATE: 2/22
RUSH SURCHARGE: 0
CLIENT DISCOUNT: 10 %

WO#1275

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: D. Hutter Time: 1730	Signature: Time:
Printed Name: Dianne Hutter Date: 2/20/95	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: R. Elsperman Time: 0820
Printed Name: Date:	Printed Name: R. ELSPERMAN Date: 2/21/95
Company:	Company: ATI - PNS

AnalyticalTechnologies,Inc., Albuquerque, NM
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CHAIN OF CUSTODY

DATE: 2-8-95 PAGE 1 OF 2

ATI LAB I.D. 502-350

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

PROJECT MANAGER: John M. Wakefield

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

BILL TO: John Wakefield
COMPANY: Spartan Tech Inc
ADDRESS: 4901 Rockaway Blvd SE
Rio Rancho NM 87124

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)	TOX	TOC	Chlorinated Hydrocarbons (601/8010) TCE, 1,1DCE	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	pH	Electrical Conductivity	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)			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	2-8-95	1000	Aq.	01					X	X	X			X	X																		9
MW-20	"	1031	"	02					X	X	X			X	X																		9
MW-14	"	1152	"	03					X	X	X			X	X																		9
MW-9	"	1153	"	04					X	X	X			X	X																		9
MW-15	"	1315	"	05					X	X	X			X	X																		6
MW-21	"	1325	"	06					X	X	X			X	X																		9
MW-16	"	1410	"	07					X	X	X			X	X																		9
MW-22	"	1434	"	08					X	X	X			X	X																		9
Field Blank	"	1430	"	09					X	X	X			X	X																		9

004427

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.: 020595		NO. CONTAINERS	81
PROJ. NAME: AGMP-1Q95		CUSTODY SEALS	Y (N) NA
P.O. NO.:		RECEIVED INTACT	Y
SHIPPED VIA: Delivered		RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments: C of C Seals on Cooler
All samples to ATI Alb. Lab on ATI Fort Collins CO

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1539	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date: 2-8-95	Printed Name: Date:	Printed Name: Date:
Company: STI Phone: 892-5300	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: Time: 1539
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc.

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

CHAIN OF CUSTODY

DATE: 2-8-95 PAGE 2 OF 2

ATI LAB I.D. 502350

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

PROJECT MANAGER: John M. Wakefield

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

BILL TO:
COMPANY: Same as page 1
ADDRESS:

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)	TCX	TOC	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	pH	Electrical Conductivity	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)			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
Trip Blank	2/1	0805	Aq.	010					X	X	X			X	X																		5

004428

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.: 020895		NO. CONTAINERS	
PROJ. NAME: AGMP - 1Q95		CUSTODY SEALS	Y / N / NA
P.O. NO.:		RECEIVED INTACT	
SHIPPED VIA: Delivered		RECEIVED COLD	

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments: C of C Seals on Cooler
All samples to be analyzed by ATI Abq. or ATI Fort Collins CO.

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1539	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date: 2-8-95	Printed Name: Date:	Printed Name: Date:
Company: STI Phone: 892-5300	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: [signature] Time: 1539
Printed Name: Date:	Printed Name: Date:	Printed Name: Diane Lester Date: 2/8/95
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619) 458-0141 • Phoenix (602) 496-4100 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

SECTION 10

SECOND QUARTER, 1995

LABORATORY REPORT

Analytical Technologies, Inc.

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

ATI I.D. **504384**

May 3, 1995

Sparton Technology Inc.
9621 Coors Rd NW
Albuquerque, NM 87114

Project Name/Number: AGMP-2Q95 2Q95-A

Attention: John Wakefield

On **04/19/95**, 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.

EPA method 8010 analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

All other analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

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

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical Technologies, Inc.

CLIENT	: SPARTON TECHNOLOGY INC.	DATE RECEIVED	: 04/19/95
PROJECT #	: 2Q95-A		
PROJECT NAME	: AGMP-2Q95	REPORT DATE	: 05/03/95

ATI ID: 504384

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-19	AQUEOUS	04/19/95
02	MW-20	AQUEOUS	04/19/95
03	MW-9	AQUEOUS	04/19/95
04	MW-14	AQUEOUS	04/19/95
05	MW-21	AQUEOUS	04/19/95
06	TRIP BLANK	AQUEOUS	04/13/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	6

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.

TOTAL ORGANIC CARBON

Method 415.2

Lab Name: Analytical Technologies, Inc.

Date Collected: 04/19/95

Client Name: ATI-NM

Date Analyzed: 04/25/95

Client Project ID: Sparton -- 504384

Sample Matrix: Water

Lab Workorder Number: 95-04-158

Sample ID	Lab Sample ID	Volume Injected (mL)	TOC Conc. (mg/L)	TOC AVG	RPD
Reagent Blank	RB 95-04-158	1	< 1.0	< 1.0	N/A
MW-19	95-04-158-01	1	< 1.0		
	95-04-158-01DUP	1	< 1.0	< 1.0	N/A
MW-20	95-04-158-02	1	1		
	95-04-158-02DUP	1	1	1	0
MW-9	95-04-158-03	1	2		
	95-04-158-03DUP	1	2	2	0
MW-14	95-04-158-04	1	1		
	95-04-158-04DUP	1	1	1	0
MW-21	95-04-158-05	1	< 1.0		
	95-04-158-05DUP	1	< 1.0	< 1.0	N/A

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Sparton -- 504384

Lab Workorder Number: 95-04-158

Date Collected: 04/19/95

Date Extracted: 04/24/95

Date Analyzed: 04/24/95

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB95-04-158	100	< 20
MW-19	95-04-158-01	100	70
MW-20	95-04-158-02	100	< 20
MW-9	95-04-158-03	100	590

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Sparton -- 504384

Lab Workorder Number: 95-04-158

Date Collected: 04/19/95

Date Extracted: 04/25/95

Date Analyzed: 04/25/95

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB95-04-158	100	< 20
MW-14	95-04-158-04	100	470
MW-21	95-04-158-05	100	160

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE MATRIX SPIKE RESULTS

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Lab Sample ID: 95-04-091-03

Sample Matrix: Water

Sample ID

In House

Date Extracted: 04/24/95

Date Analyzed: 04/24/95

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS Percent Recovery
2,4,6-Trichlorophenol	200	40	230	95

Analytical Technologies, Inc.

CONDUCTIVITY
Method 9050

Lab Name: Analytical Technologies, Inc.

Date Collected: 04/19/95

Client Name: ATI-NM

Date Analyzed: 04/25/95

Client Project ID: Sparton -- 504384

Sample Matrix: Water

Lab Workorder Number: 95-04-158

Sample ID	Lab Sample ID	Conductivity (umhos/cm)
MW-19	95-04-158-01	650
MW-20	95-04-158-02	560
MW-9	95-04-158-03	690
MW-14	95-04-158-04	710
MW-21	95-04-158-05	560

Analytical Technologies, Inc.

CONDUCTIVITY

Method 9050

Quality Control

Lab Name: Analytical Technologies

Date Collected: 04/19/95

Client Name: ATI-NM

Date Analyzed: 04/25/95

Client Project ID: Sparton--504384

Sample Matrix: Water

Lab Workorder Number: 95-04-158

Lab Sample ID	Conductivity (umhos/cm)	RPD
95-04-176-02 95-04-176-02 DUP	640 600	6

Analytical Technologies, Inc.

CORROSIVITY
Method 9040

Lab Name: Analytical Technologies, Inc.

Date Collected: 04/19/95

Client Name: ATI-NM

Date Analyzed: 04/21/95

Client Project ID: Sparton -- 504384

Sample Matrix: Liquid

Lab Workorder Number: 95-04-158

Sample ID	Lab Sample ID	Corrosivity (pH)
MW-19	95-04-158-01	7.4
MW-20	95-04-158-02	7.6
MW-9	95-04-158-03	7.5
MW-14	95-04-158-04	8.1
MW-21	95-04-158-05	7.7

Analytical Technologies, Inc.

CORROSIVITY

Method 9040

Quality Control

Lab Name: Analytical Technologies

Date Collected: 04/21/95

Client Name: ATI-NM

Date Analyzed: 04/21/95

Client Project ID: Sparton--504384

Sample Matrix: Water

Lab Workorder Number: 95-04-158

Sample ID	Lab Sample ID	Conductivity (umhos/cm)	RPD
MW-19	95-04-158-01 95-04-158-01 DUP	7.4 7.4	0

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 504384
PROJECT # : 2Q95-A
PROJECT NAME : AGMP-2Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-19	AQUEOUS	04/19/95	NA	04/21/95	1
02	MW-20	AQUEOUS	04/19/95	NA	04/21/95	1
03	MW-9	AQUEOUS	04/19/95	NA	04/21/95	1

PARAMETER	UNITS	01	02	03
1,1-DICHLOROETHENE	UG/L	3.1	<0.2	39 D(10)A
TRICHLOROETHENE	UG/L	92 D(10)	0.2	790 D(100)
SURROGATE:				
BROMOCHLOROMETHANE (%)		85	89	87

D(10)=DILUTED 10X, ANALYZED 04/21/95
D(10)A=DILUTED 10X, ANALYZED 04/24/95
D(100)=DILUTED 100X, ANALYZED 04/21/95

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 504384
PROJECT # : 2Q95-A
PROJECT NAME : AGMP-2Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	MW-14	AQUEOUS	04/19/95	NA	04/21/95	1
05	MW-21	AQUEOUS	04/19/95	NA	04/22/95	1
06	TRIP BLANK	AQUEOUS	04/13/95	NA	04/21/95	1

PARAMETER	UNITS	04	05	06
1,1-DICHLOROETHENE	UG/L	17 D(10)A	6.0	<0.2
TRICHLOROETHENE	UG/L	1000 D(100)	160 D(10)	<0.2
SURROGATE:				
BROMOCHLOROMETHANE (%)		86	89	84

D(10)=DILUTED 10X, ANALYZED 04/21/95
D(10A)=DILUTED 10X, ANALYZED 04/24/95
D(100)=DILUTED 100X, ANALYZED 04/21/95

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 504384
BLANK I.D.	: 042195	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 2Q95-A	DATE ANALYZED	: 04/21/95
PROJECT NAME	: AGMP-2Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		80

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 504384
BLANK I.D.	: 042495	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 2Q95-A	DATE ANALYZED	: 04/24/95
PROJECT NAME	: AGMP-2Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		85

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 50438402	ATI I.D.	: 504384
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 2Q95-A	DATE ANALYZED	: 04/24/95
PROJECT NAME	: AGMP-2Q95	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 50438402	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
1,1-DICHLOROETHENE	<0.2	10	8.0	80	7.9	79	1
TRICHLOROETHENE	0.2	10	11	108	12	118	9

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

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

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

CHAIN OF CUSTODY

DATE: 4-19-95 PAGE 1 OF 2

ATI LAB I.D. 504384

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

PROJECT MANAGER: John M Wakefield

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

BILL TO: John Wakefield
COMPANY: Spartan Tech. Inc
ADDRESS: 4901 Rockaway Blvd SE
Rio Rancho NM 87124

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	Electrical Conductivity	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	TOC	TOX	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (810/8310)			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	4-19-95	1131	Aq.	01					X	X	X			X	X																	9
MW-20	4-19-95	1245	Aq.	02					X	X	X			X	X																	9
MW-9	4-19-95	1240	Aq	03					X	X	X			X	X																	9
MW-14	4-19-95	1328	Aq.	04					X	X	X			X	X																	9
MW-21	4-19-95	1340	Aq.	05					X	X	X			X	X																	9
~~MW-16~~	4-19-95		Aq						X	X	X			X	X																	9
Trip Blank	4-13-95	0840	Aq.	06							X																					1

→ Delete Not Sampled ←

004445

PROJECT INFORMATION

PROJ. NO.: 2095-A
PROJ. NAME: AGMP-2095
P.O. NO.:
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. CONTAINERS	46
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:
C of C Seals on Cooler

SAMPLED & RELINQUISHED BY: 1.

Signature: [signature] Time: 1550
Printed Name: John M. Wakefield Date: 4/19/95
Company: STI Phone: 892-5300

RELINQUISHED BY: 2.

Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 3.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 2.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 3.

Signature: [signature] Time: 1550
Printed Name: [signature] Date: 4/19/95
Analytical Technologies, Inc.

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody

DATE 4/19/95 PAGE 1 OF 1

NETWORK PROJECT MANAGER: LETITIA KRAKOWSKI

COMPANY: Analytical Technologies, Inc.

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

CLIENT PROJECT MANAGER:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)		632/632 MOD	619/619 MOD	610/8310	PH	FC	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
504384 -01	4/19	1131	AQ	01	X	X								X	X																			6
-02	↓	1245	↑	02	X	X								X	X																			6
-03		1240		03	X	X								X	X																			6
-04		1328		04	X	X								X	X																			6
-05	✓	1340	↓	05	X	X								X	X																			6

004446

PROJECT INFORMATION	
PROJECT NUMBER:	504384
PROJECT NAME:	Spardon
QC LEVEL:	(STD.) IV
QC REQUIRED:	(MS) MSD BLANK
TAT:	(STANDARD) RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	30
CHAIN OF CUSTODY SEALS	
INTACT?	
RECEIVED GOOD COND./COLD	Yes
LAB NUMBER	95-04-158

DUE DATE: 5/3
RUSH SURCHARGE: 0
CLIENT DISCOUNT: 10 %

WO#LK401

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1730	Signature: Time:
Printed Name: Date 4/19/95	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company: FED EX
RECEIVED BY: (LAB) 1.	RECEIVED BY: (LAB) 2.
Signature: Time:	Signature: Debi Burdick Time: 10:00
Printed Name: Date:	Printed Name: DEBI I BURDICK Date: 4/21/95
Company: FED EX	Company: ATI

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSION #: 504384

METHOD	TEST	DATE ANALYZED	DETECTION LIMIT	ANALYST
9040	pH (Corrosivity)	04/21/95	Units	PS
9050	CONDUCTIVITY	04/25/95	µmho's/CM	JH
415.2	TOTAL ORGANIC CARBON	04/25/95	<1.0 mg/l	SPH
9020	TOTAL ORGANIC HALIDE	04/24/95 04/25/95	<20 ug/l	SPH
8010	VOLATILE ORGANICS	04/21/95 04/22/95 04/24/95	see attached sheets	JE

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 504384

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
1X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	0.2
BROMOFORM	0.5
BROMOMETHANE	1.0
CARBON TETRACHLORIDE	0.2
CHLOROBENZENE	0.5
CHLOROETHANE	0.5
CHLOROFORM	0.5
CHLOROMETHANE	1.0
DIBROMOCHLOROMETHANE	0.2
1,2-DIBROMOETHANE (EDB)	0.2
1,2-DICHLOROBENZENE	0.5
1,3-DICHLOROBENZENE	0.5
1,4-DICHLOROBENZENE	0.5
1,1-DICHLOROETHANE	0.2
1,2-DICHLOROETHANE (EDC)	0.5
1,1-DICHLOROETHENE	0.2
CIS-1,2-DICHLOROETHENE	0.2
TRANS-1,2-DICHLOROETHENE	1.0
1,2-DICHLOROPROPANE	0.2
CIS-1,3-DICHLOROPROPENE	0.2
TRANS-1,3-DICHLOROPROPENE	0.2
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	0.2
TETRACHLOROETHENE	0.5
1,1,1-TRICHLOROETHANE	1.0
1,1,2-TRICHLOROETHANE	0.2
TRICHLOROETHENE	0.2
TRICHLOROFLUOROMETHANE	0.2
VINYL CHLORIDE	0.5

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 504384

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
10X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	2.0
BROMOFORM	5.0
BROMOMETHANE	10.0
CARBON TETRACHLORIDE	2.0
CHLOROBENZENE	5.0
CHLOROETHANE	5.0
CHLOROFORM	5.0
CHLOROMETHANE	10.0
DIBROMOCHLOROMETHANE	2.0
1,2-DIBROMOETHANE (EDB)	2.0
1,2-DICHLOROBENZENE	5.0
1,3-DICHLOROBENZENE	5.0
1,4-DICHLOROBENZENE	5.0
1,1-DICHLOROETHANE	2.0
1,2-DICHLOROETHANE (EDC)	5.0
1,1-DICHLOROETHENE	2.0
CIS-1,2-DICHLOROETHENE	2.0
TRANS-1,2-DICHLOROETHENE	10.0
1,2-DICHLOROPROPANE	2.0
CIS-1,3-DICHLOROPROPENE	2.0
TRANS-1,3-DICHLOROPROPENE	20.0
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	2.0
TETRACHLOROETHENE	5.0
1,1,1-TRICHLOROETHANE	10.0
1,1,2-TRICHLOROETHANE	2.0
TRICHLOROETHENE	2.0
TRICHLOROFLUOROMETHANE	2.0
VINYL CHLORIDE	5.0

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 504384

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
100X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	20
BROMOFORM	50
BROMOMETHANE	100
CARBON TETRACHLORIDE	20
CHLOROBENZENE	50
CHLOROETHANE	50
CHLOROFORM	50
CHLOROMETHANE	100
DIBROMOCHLOROMETHANE	20
1,2-DIBROMOETHANE (EDB)	20
1,2-DICHLOROBENZENE	50
1,3-DICHLOROBENZENE	50
1,4-DICHLOROBENZENE	50
1,1-DICHLOROETHANE	20
1,2-DICHLOROETHANE (EDC)	50
1,1-DICHLOROETHENE	20
CIS-1,2-DICHLOROETHENE	20
TRANS-1,2-DICHLOROETHENE	100
1,2-DICHLOROPROPANE	20
CIS-1,3-DICHLOROPROPENE	20
TRANS-1,3-DICHLOROPROPENE	200
METHYLENE CHLORIDE	20
1,1,2,2-TETRACHLOROETHANE	20
TETRACHLOROETHENE	50
1,1,1-TRICHLOROETHANE	100
1,1,2-TRICHLOROETHANE	20
TRICHLOROETHENE	20
TRICHLOROFLUOROMETHANE	20
VINYL CHLORIDE	50

Analytical Technologies, Inc.

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

ATI I.D. **504393**

May 2, 1995

Sparton Technology Inc.
9621 Coors Rd. NW
Albuquerque, NM 87114

Project Name/Number: AGMP-2Q95 2Q95-A

Attention: John M. Wakefield

On **04/21/95**, 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.

EPA method 150.1 (pH) analyses were performed by Analytical Technologies, Inc., 11 East Olive Road, Pensacola, FL.

EPA method 8010 analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

All other analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

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

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical Technologies, Inc.

CLIENT	: SPARTON TECHNOLOGY INC.	DATE RECEIVED	: 04/21/95
PROJECT #	: 2Q95-A		
PROJECT NAME	: AGMP-2Q95	REPORT DATE	: 05/02/95

ATI ID: 504393

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-16	AQUEOUS	04/21/95
02	MW-22	AQUEOUS	04/21/95
03	FIELD BLANK	AQUEOUS	04/21/95
04	TRIP BLANK	AQUEOUS	04/13/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	4

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. GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 504393
PROJECT # : 2Q95-A
PROJECT NAME : AGMP-2Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-16	AQUEOUS	04/21/95	NA	04/25/95	1
02	MW-22	AQUEOUS	04/21/95	NA	04/25/95	1
03	FIELD BLANK	AQUEOUS	04/21/95	NA	04/25/95	1

PARAMETER	UNITS	01	02	03
1,1-DICHLOROETHENE	UG/L	200 D(10)	10	<0.2
TRICHLOROETHENE	UG/L	7100 D(500)	100 D(10)	<0.2
SURROGATE:				
BROMOCHLOROMETHANE (%)		83	84	83

D(10)=DILUTED 10X, ANALYZED 04/26/95
D(500)=DILUTED 500X, ANALYZED 04/26/95

Analytical Technologies, Inc. GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 504393
PROJECT # : 2Q95-A
PROJECT NAME : AGMP-2Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	TRIP BLANK	AQUEOUS	04/13/95	NA	04/25/95	1

PARAMETER	UNITS	04
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		88

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 504393
BLANK I.D.	: 042595	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 2Q95-A	DATE ANALYZED	: 04/25/95
PROJECT NAME	: AGMP-2Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		81

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 504393
BLANK I.D.	: 042695	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 2Q95-A	DATE ANALYZED	: 04/26/95
PROJECT NAME	: AGMP-2Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		87

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 50439303	ATI I.D.	: 504393
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 2Q95-A	DATE ANALYZED	: 04/26/95
PROJECT NAME	: AGMP-2Q95	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 50439303	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
1,1-DICHLOROETHENE	<0.2	10	8.0	80	7.3	73	9
TRICHLOROETHENE	<0.2	10	11	110	10	100	10

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

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

Analytical Technologies, Inc.

CONDUCTIVITY

Method 9050

Lab Name: Analytical Technologies, Inc.

Date Collected: 04/21/95

Client Name: ATI-NM

Date Analyzed: 04/25/95

Client Project ID: Sparton -- 504393

Sample Matrix: Water

Lab Workorder Number: 95-04-176

Sample ID	Lab Sample ID	Conductivity (umhos/cm)
MW-16	95-04-176-01	970
MW-22	95-04-176-02	640
Field Blank	95-04-176-03	1.3
Trip Blank	95-04-176-04	2.4

Analytical Technologies, Inc.

CONDUCTIVITY

Method 9050

Quality Control

Lab Name: Analytical Technologies

Date Collected: 04/21/95

Client Name: ATI-NM

Date Analyzed: 04/25/95

Client Project ID: Sparton--504393

Sample Matrix: Water

Lab Workorder Number: 95-04-176

Sample ID	Lab Sample ID	Conductivity (umhos/cm)	RPD
MW-22	95-04-176-02 95-04-176-02 DUP	640 600	6

Analytical Technologies, Inc.

TOTAL ORGANIC CARBON

Method 415.2

Lab Name: Analytical Technologies, Inc.

Date Collected: 04/13,21/95

Client Name: ATI-NM

Date Analyzed: 04/25/95

Client Project ID: Sparton -- 504393

Sample Matrix: Water

Lab Workorder Number: 95-04-176

Sample ID	Lab Sample ID	Volume Injected (mL)	TOC Conc. (mg/L)	TOC AVG	RPD
Reagent Blank	RB 95-04-176	1	< 1.0	< 1.0	N/A
MW-16	95-04-176-01	1	1		
	95-04-176-01DUP	1	2	1.5	67
MW-22	95-04-176-02	1	< 1.0		
	95-04-176-02DUP	1	< 1.0	< 1.0	N/A
Field Blank	95-04-176-03	1	< 1.0		
	95-04-176-03DUP	1	< 1.0	< 1.0	N/A
Trip Blank	95-04-176-04	1	< 1.0		
	95-04-176-04DUP	1	< 1.0	< 1.0	N/A

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Sparton -- 504393

Lab Workorder Number: 95-04-176

Date Collected: 04/13,21/95

Date Extracted: 04/25/95

Date Analyzed: 04/25/95

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB95-04-176	100	< 20
MW-22	95-04-176-02	100	110
Field Blank	95-04-176-03	100	< 20
Trip Blank	95-04-176-04	100	< 20

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Sparton -- 504393

Lab Workorder Number: 95-04-176

Date Collected: 04/21/95

Date Extracted: 04/26/95

Date Analyzed: 04/26/95

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB95-04-176	100	< 20
MW-16	95-04-176-01	5	6100

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE MATRIX SPIKE RESULTS

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Lab Sample ID: 95-04-133-01

Sample Matrix: Water

Sample ID

In House

Date Extracted: 04/25/95

Date Analyzed: 04/25/95

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS Percent Recovery
2,4,6-Trichlorophenol	200	40	280	120

Analytical Technologies, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 504704
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 504393
Project Name: SPARTON TECHNOLOGIES
Project Location: AGMP-2Q95
Test: Group of Single Wetchem
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 504393-01			Lab ID: 001		
PH (150.1)	UNITS	7.5	NA	PHW087	
Comments:					
Client ID: 504393-02			Lab ID: 002		
PH (150.1)	UNITS	7.3	NA	PHW087	
Comments:					
Client ID: 504393-03			Lab ID: 003		
PH (150.1)	UNITS	5.7	NA	PHW087	
Comments:					
Client ID: 504393-04 (TB)			Lab ID: 004		
PH (150.1)	UNITS	5.7	NA	PHW087	
Comments:					

Analytical Technologies, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 504704
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 504393
Project Name: SPARTON TECHNOLOGIES
Project Location: AGMP-2Q95
Test: Group of Single Wetchem

Client ID:	Lab ID:	Matrix:	Date/Time Sampled:	Date Received:
504393-01	001	WATER	21-APR-95 1203	22-APR-95
504393-02	002	WATER	21-APR-95 0922	22-APR-95
504393-03	003	WATER	21-APR-95 0938	22-APR-95
504393-04 (TB)	004	WATER	13-APR-95 N/S	22-APR-95

Analytical Technologies, Inc.

"Method Report Summary"

Accession Number: 504704
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 504393
Project Name: SPARTON TECHNOLOGIES
Project Location: AGMP-2Q95
Test: Group of Single Wetchem

Client Sample Id:	Parameter:	Unit:	Result:
504393-01	PH (150.1)	UNITS	7.5
504393-02	PH (150.1)	UNITS	7.3
504393-03	PH (150.1)	UNITS	5.7
504393-04 (TB)	PH (150.1)	UNITS	5.7

Analytical Technologies, Inc.

"WetChem Quality Control Report"

Parameter:	PH
Batch Id:	PHW087
Blank Result:	N/A
Anal. Method:	150.1
Prep. Method:	N/A
Analysis Date:	22-APR-95
Prep. Date:	22-APR-95

Sample Duplication

Sample Dup:	504704-1
Rept Limit:	N/A
Sample Result:	7.50
Dup Result:	7.51
Sample RPD:	0.01
Max RPD:	0.12
Dry Weight%	N/A

Matrix Spike

Sample Spiked:	N/A
Rept Limit:	N/A
Sample Result:	
Spiked Result:	
Spike Added:	
% Recovery:	
% Rec Limits:	
Dry Weight%	

ICV

ICV Result:	9.88
True Result:	10.00
% Recovery:	99
% Rec Limits:	90-110

LCS

LCS Result:	6.98
True Result:	6.87
% Recovery:	102
% Rec Limits:	97-103

Analytical Technologies, Inc.

"Quality Control Comments"

Batch Id:	Comments:
PHW087	PH LCS: MALLINCKRODT; LOT #: 7100KDGT/7708

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

CHAIN OF CUSTODY

DATE: 4-21-95 PAGE 1 OF 1

ATI LAB I.D. 504393

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

PROJECT MANAGER: John M. Wakefield

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

BILL TO: John Wakefield
COMPANY: Spartan Tech Inc.
ADDRESS: 4901 Rockaway Blvd. SE
Rio Rancho NM 87124

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	Electrical Conductivity	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	TOC	TOX	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)			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-16	4-21-95	1203	Aq.	01					X	X	X			X	X																		7
MW-22	4-21-95	0922	Aq.	02					X	X	X			X	X																		9
Field Blank	4-21-95	0938	Aq.	03					X	X	X			X	X																		9
Trip Blank	4-13-95	—	Aq.	04					X	X	X			X	X																		5

004469

PROJECT INFORMATION

PROJ. NO.: 2095-A
PROJ. NAME: AGMP-2095
P.O. NO.:
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. CONTAINERS	32
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: C of C Seals on Cooler

SAMPLED & RELINQUISHED BY: 1.
Signature: John M. Wakefield Time: 1248
Printed Name: John Wakefield Date: 4-21-95
Company: STI Phone: 892-5300

RELINQUISHED BY: 2.
Signature: [illegible] Time: 1520
Printed Name: Don A. Gutierrez Date: 4-21-95
Company: STI

RELINQUISHED BY: 3.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.
Signature: [illegible] Time: 1520
Printed Name: Don A. Gutierrez Date: 4-21-95
Company: STI

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

RECEIVED BY: (LAB) 3.
Signature: [illegible] Time: 1520
Printed Name: Diana Weller Date: 4/21/95
Analytical Technologies, Inc.

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE 4/24/95 PAGE 1 OF 1

NETWORK PROJECT MANAGER: LETITIA KRAKOWSKI

COMPANY: Analytical Technologies, Inc.

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

CLIENT PROJECT MANAGER:

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 225/228		AIR - O2, CO2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
504393-01	4/21	1203	AQ										X																		1
-02	4/21	0922											X																		1
-03	4/21	0938											X																		1
-04 (T/B)	4/13	—											X																		1

004470

PROJECT INFORMATION	
PROJECT NUMBER:	504393
PROJECT NAME:	SPARTON
QC LEVEL:	STD IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	4
CHAIN OF CUSTODY SEALS	4
INTACT?	4
RECEIVED GOOD COND./COLD	✓
LAB NUMBER	504393-4

DUE DATE: 5/5/95

RUSH SURCHARGE: —

CLIENT DISCOUNT: 10 %

Sat 4/22

Please ANALYZE ASAP

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1700	Signature: Time:
Printed Name: Date 4/21/95	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	RECEIVED BY: (LAB) 2.
Signature: Time: 0859	Signature: Time:
Printed Name: Date: 4/21/95	Printed Name: Date:
Company: ATI	Company:

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody 9504-176

DATE 4/21/95 PAGE 1 OF 1

NETWORK PROJECT MANAGER: LETITIA KRAKOWSKI

COMPANY: Analytical Technologies, Inc.

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

CLIENT PROJECT MANAGER:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)		632/632 MOD	619/619 MOD	610/8310	PH/Conductivity	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
504343 -01	4/21	1203	AQ	01	X	X								X	X																	5	6
-02		0922		02	X	X								X	X																	5	6
-03		0938		03	X	X								X	X																	5	6
-04 (TB)	4/13	—		04	X	X								X	X																		4

4 TO 3

004471

PROJECT INFORMATION	
PROJECT NUMBER:	504343
PROJECT NAME:	Shell
QC LEVEL:	(STD) IV
QC REQUIRED:	MS MSD BLANK
TAT:	(STANDARD) RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	18
CHAIN OF CUSTODY SEALS	NA
INTACT?	NA
RECEIVED GOOD COND/COLD	Y
LAB NUMBER	

DUE DATE: 5/5

RUSH SURCHARGE: 0

CLIENT DISCOUNT: 10 %

WO# LK405

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: [signature] Time: 1730	Signature: Time:
Printed Name: [signature] Date: 4/21/95	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company: FED-X

RECEIVED BY: (LAB) 1.	RECEIVED BY: (LAB) 2.
Signature: Time:	Signature: [signature] Time: 9:45
Printed Name: Date:	Printed Name: L. Kelly Date: 4-22-95
Company: FED-X	Company: ATI

----- Common Footnotes Wet Chem -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
ND = NOT DETECTED ABOVE REPORTING LIMIT.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DIGESTION) SPIKE IS REPORTED DUE TO THE MATRIX (PRE-DIGESTION) SPIKE BEING OUTSIDE ACCEPTANCE LIMITS.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE.
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX (DILUTION PRIOR TO PREPARATION).
P = ANALYTICAL (POST-DIGESTION) SPIKE
I = DUPLICATE INJECTION
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE RESULTS EXCEED THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL" SAMPLE IS NON-HOMOGENOUS.
(*) = DETECTION LIMITS RAISED DUE TO CLP METHOD NOT REQUIRING A CONCENTRATION STEP FOR CN.

(CA) = SEE CORRECTIVE ACTIONS FORM.

SW-846, 3RD EDITION, SEPTEMBER 1986 AND REVISION 1, JULY 1992.
EPA 600/4-79-020, REVISED MARCH 1983.
STANDARD METHODS, 17TH ED., 1989
NIOSH MANUAL OF ANALYTICAL METHODS, 3RD EDITION.
ANNUAL BOOK OF ASTM STANDARDS, VOLUME 11.01, 1991.

1. COLIFORM. COLIFORM PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE LOGARITHM OF COLONIES PER 100 MLS OF SAMPLE ON DUPLICATE PLATES.

2. PH. PH PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND THE DUPLICATE ANALYSIS.

3. FLASHPOINT. FLASHPOINT PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS. IF FLASHPOINT IS LESS THAN 25 DEGREES CELSIUS, THE DETECTION LIMIT BECOMES THE INITIAL STARTING TEMPERATURE.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION).

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

DPH = DOLLY P. HWANG	RB = REBECCA BROWN	CD = CHRISTY DRAPER
DBH = DONALD B. HAND	BF = BLANCA FACH	SL = STEPHANIE LOWRY
TT = TONY TINEO	NB = NANCY L. BRASCH	
JHS = JOSEPH SAUNDERS	MM = MARY MOLONEY	
NSB = NANCY S. BUTLER	CF = CHRISTINE FOSTER	

METHOD	TEST	DATE ANALYZED	DETECTION LIMIT	ANALYST
150.1	pH	04/22/95	Units	BF
9050	CONDUCTIVITY	04/25/95	µmho's/CM	JH
415.2	TOTAL ORGANIC CARBON	04/25/95	<1.0 mg/l	SPH
9020	TOTAL ORGANIC HALIDE	04/25/95	<20 ug/l	SPH
8010	VOLATILE ORGANICS	04/25/95 04/26/95	see attached sheets	JE

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 504393

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
1X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	0.2
BROMOFORM	0.5
BROMOMETHANE	1.0
CARBON TETRACHLORIDE	0.2
CHLOROBENZENE	0.5
CHLOROETHANE	0.5
CHLOROFORM	0.5
CHLOROMETHANE	1.0
DIBROMOCHLOROMETHANE	0.2
1,2-DIBROMOETHANE (EDB)	0.2
1,2-DICHLOROBENZENE	0.5
1,3-DICHLOROBENZENE	0.5
1,4-DICHLOROBENZENE	0.5
1,1-DICHLOROETHANE	0.2
1,2-DICHLOROETHANE (EDC)	0.5
1,1-DICHLOROETHENE	0.2
CIS-1,2-DICHLOROETHENE	0.2
TRANS-1,2-DICHLOROETHENE	1.0
1,2-DICHLOROPROPANE	0.2
CIS-1,3-DICHLOROPROPENE	0.2
TRANS-1,3-DICHLOROPROPENE	0.2
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	0.2
TETRACHLOROETHENE	0.5
1,1,1-TRICHLOROETHANE	1.0
1,1,2-TRICHLOROETHANE	0.2
TRICHLOROETHENE	0.2
TRICHLOROFLUOROMETHANE	0.2
VINYL CHLORIDE	0.5

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 504393

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
10X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	2.0
BROMOFORM	5.0
BROMOMETHANE	10.0
CARBON TETRACHLORIDE	2.0
CHLOROBENZENE	5.0
CHLOROETHANE	5.0
CHLOROFORM	5.0
CHLOROMETHANE	10.0
DIBROMOCHLOROMETHANE	2.0
1,2-DIBROMOETHANE (EDB)	2.0
1,2-DICHLOROBENZENE	5.0
1,3-DICHLOROBENZENE	5.0
1,4-DICHLOROBENZENE	5.0
1,1-DICHLOROETHANE	2.0
1,2-DICHLOROETHANE (EDC)	5.0
1,1-DICHLOROETHENE	2.0
CIS-1,2-DICHLOROETHENE	2.0
TRANS-1,2-DICHLOROETHENE	10.0
1,2-DICHLOROPROPANE	2.0
CIS-1,3-DICHLOROPROPENE	2.0
TRANS-1,3-DICHLOROPROPENE	20.0
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	2.0
TETRACHLOROETHENE	5.0
1,1,1-TRICHLOROETHANE	10.0
1,1,2-TRICHLOROETHANE	2.0
TRICHLOROETHENE	2.0
TRICHLOROFLUOROMETHANE	2.0
VINYL CHLORIDE	5.0

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 504393

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
200X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	40
BROMOFORM	100
BROMOMETHANE	200
CARBON TETRACHLORIDE	40
CHLOROBENZENE	100
CHLOROETHANE	100
CHLOROFORM	100
CHLOROMETHANE	200
DIBROMOCHLOROMETHANE	40
1,2-DIBROMOETHANE (EDB)	40
1,2-DICHLOROBENZENE	100
1,3-DICHLOROBENZENE	100
1,4-DICHLOROBENZENE	100
1,1-DICHLOROETHANE	40
1,2-DICHLOROETHANE (EDC)	100
1,1-DICHLOROETHENE	40
CIS-1,2-DICHLOROETHENE	40
TRANS-1,2-DICHLOROETHENE	200
1,2-DICHLOROPROPANE	40
CIS-1,3-DICHLOROPROPENE	40
TRANS-1,3-DICHLOROPROPENE	40
METHYLENE CHLORIDE	400
1,1,2,2-TETRACHLOROETHANE	40
TETRACHLOROETHENE	100
1,1,1-TRICHLOROETHANE	200
1,1,2-TRICHLOROETHANE	40
TRICHLOROETHENE	40
TRICHLOROFLUOROMETHANE	40
VINYL CHLORIDE	100

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 507393

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
500X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	100
BROMOFORM	250
BROMOMETHANE	500
CARBON TETRACHLORIDE	100
CHLOROBENZENE	250
CHLOROETHANE	250
CHLOROFORM	250
CHLOROMETHANE	500
DIBROMOCHLOROMETHANE	100
1,2-DIBROMOETHANE (EDB)	100
1,2-DICHLOROBENZENE	250
1,3-DICHLOROBENZENE	250
1,4-DICHLOROBENZENE	250
1,1-DICHLOROETHANE	100
1,2-DICHLOROETHANE (EDC)	250
1,1-DICHLOROETHENE	100
CIS-1,2-DICHLOROETHENE	100
TRANS-1,2-DICHLOROETHENE	500
1,2-DICHLOROPROPANE	100
CIS-1,3-DICHLOROPROPENE	100
TRANS-1,3-DICHLOROPROPENE	100
METHYLENE CHLORIDE	1000
1,1,2,2-TETRACHLOROETHANE	100
TETRACHLOROETHENE	250
1,1,1-TRICHLOROETHANE	500
1,1,2-TRICHLOROETHANE	100
TRICHLOROETHENE	100
TRICHLOROFLUOROMETHANE	100
VINYL CHLORIDE	250

2Q 1995 AGMP
MW-16, 22, FB, TB

Analytical Technologies, Inc.

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

ATI I.D. **504393**

May 2, 1995

Sparton Technology Inc.
9621 Coors Rd. NW
Albuquerque, NM 87114

Project Name/Number: AGMP-2Q95 2Q95-A

Attention: John M. Wakefield

On **04/21/95**, 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.

EPA method 150.1 (pH) analyses were performed by Analytical Technologies, Inc., 11 East Olive Road, Pensacola, FL.

EPA method 8010 analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

All other analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

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

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical Technologies, Inc.

CLIENT	: SPARTON TECHNOLOGY INC.	DATE RECEIVED	: 04/21/95
PROJECT #	: 2Q95-A		
PROJECT NAME	: AGMP-2Q95	REPORT DATE	: 05/02/95

ATI ID: 504393

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-16	AQUEOUS	04/21/95
02	MW-22	AQUEOUS	04/21/95
03	FIELD BLANK	AQUEOUS	04/21/95
04	TRIP BLANK	AQUEOUS	04/13/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	4

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. GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 504393
PROJECT # : 2Q95-A
PROJECT NAME : AGMP-2Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-16	AQUEOUS	04/21/95	NA	04/25/95	1
02	MW-22	AQUEOUS	04/21/95	NA	04/25/95	1
03	FIELD BLANK	AQUEOUS	04/21/95	NA	04/25/95	1

PARAMETER	UNITS	01	02	03
1,1-DICHLOROETHENE	UG/L	200 D(10)	10	<0.2
TRICHLOROETHENE	UG/L	7100 D(500)	100 D(10)	<0.2
SURROGATE:				
BROMOCHLOROMETHANE (%)		83	84	83

D(10)=DILUTED 10X, ANALYZED 04/26/95
D(500)=DILUTED 500X, ANALYZED 04/26/95

Analytical Technologies, Inc. GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 504393
PROJECT # : 2Q95-A
PROJECT NAME : AGMP-2Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	TRIP BLANK	AQUEOUS	04/13/95	NA	04/25/95	1

PARAMETER	UNITS	04
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		88

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 504393
BLANK I.D.	: 042595	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 2Q95-A	DATE ANALYZED	: 04/25/95
PROJECT NAME	: AGMP-2Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		81

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 504393
BLANK I.D.	: 042695	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 2Q95-A	DATE ANALYZED	: 04/26/95
PROJECT NAME	: AGMP-2Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		87

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 50439303	ATI I.D.	: 504393
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 2Q95-A	DATE ANALYZED	: 04/26/95
PROJECT NAME	: AGMP-2Q95	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 50439303	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
1,1-DICHLOROETHENE	<0.2	10	8.0	80	7.3	73	9
TRICHLOROETHENE	<0.2	10	11	110	10	100	10

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

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

Analytical Technologies, Inc.

CONDUCTIVITY

Method 9050

Lab Name: Analytical Technologies, Inc.

Date Collected: 04/21/95

Client Name: ATI-NM

Date Analyzed: 04/25/95

Client Project ID: Sparton -- 504393

Sample Matrix: Water

Lab Workorder Number: 95-04-176

Sample ID	Lab Sample ID	Conductivity (umhos/cm)
MW-16	95-04-176-01	970
MW-22	95-04-176-02	640
Field Blank	95-04-176-03	1.3
Trip Blank	95-04-176-04	2.4

Analytical Technologies, Inc.

CONDUCTIVITY

Method 9050

Quality Control

Lab Name: Analytical Technologies

Date Collected: 04/21/95

Client Name: ATI-NM

Date Analyzed: 04/25/95

Client Project ID: Sparton--504393

Sample Matrix: Water

Lab Workorder Number: 95-04-176

Sample ID	Lab Sample ID	Conductivity (umhos/cm)	RPD
MW-22	95-04-176-02 95-04-176-02 DUP	640 600	6

Analytical Technologies, Inc.

TOTAL ORGANIC CARBON

Method 415.2

Lab Name: Analytical Technologies, Inc.

Date Collected: 04/13,21/95

Client Name: ATI-NM

Date Analyzed: 04/25/95

Client Project ID: Sparton -- 504393

Sample Matrix: Water

Lab Workorder Number: 95-04-176

Sample ID	Lab Sample ID	Volume Injected (mL)	TOC Conc. (mg/L)	TOC AVG	RPD
Reagent Blank	RB 95-04-176	1	< 1.0	< 1.0	N/A
MW-16	95-04-176-01	1	1		
	95-04-176-01DUP	1	2	1.5	67
MW-22	95-04-176-02	1	< 1.0		
	95-04-176-02DUP	1	< 1.0	< 1.0	N/A
Field Blank	95-04-176-03	1	< 1.0		
	95-04-176-03DUP	1	< 1.0	< 1.0	N/A
Trip Blank	95-04-176-04	1	< 1.0		
	95-04-176-04DUP	1	< 1.0	< 1.0	N/A

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Sparton -- 504393

Lab Workorder Number: 95-04-176

Date Collected: 04/13,21/95

Date Extracted: 04/25/95

Date Analyzed: 04/25/95

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB95-04-176	100	< 20
MW-22	95-04-176-02	100	110
Field Blank	95-04-176-03	100	< 20
Trip Blank	95-04-176-04	100	< 20

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Sparton -- 504393

Lab Workorder Number: 95-04-176

Date Collected: 04/21/95

Date Extracted: 04/26/95

Date Analyzed: 04/26/95

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB95-04-176	100	< 20
MW-16	95-04-176-01	5	6100

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE MATRIX SPIKE RESULTS

Modified Method 9020 TOX

Sample ID

In House

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Lab Sample ID: 95-04-133-01

Sample Matrix: Water

Date Extracted: 04/25/95

Date Analyzed: 04/25/95

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS Percent Recovery
2,4,6-Trichlorophenol	200	40	280	120

Analytical Technologies, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 504704
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 504393
Project Name: SPARTON TECHNOLOGIES
Project Location: AGMP-2Q95
Test: Group of Single Wetchem
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 504393-01			Lab ID: 001		
PH (150.1)	UNITS	7.5	NA	PHW087	
Comments:					
Client ID: 504393-02			Lab ID: 002		
PH (150.1)	UNITS	7.3	NA	PHW087	
Comments:					
Client ID: 504393-03			Lab ID: 003		
PH (150.1)	UNITS	5.7	NA	PHW087	
Comments:					
Client ID: 504393-04 (TB)			Lab ID: 004		
PH (150.1)	UNITS	5.7	NA	PHW087	
Comments:					

Analytical Technologies, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 504704
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 504393
Project Name: SPARTON TECHNOLOGIES
Project Location: AGMP-2Q95
Test: Group of Single Wetchem

Client ID:	Lab ID:	Matrix:	Date/Time Sampled:	Date Received:
504393-01	001	WATER	21-APR-95 1203	22-APR-95
504393-02	002	WATER	21-APR-95 0922	22-APR-95
504393-03	003	WATER	21-APR-95 0938	22-APR-95
504393-04 (TB)	004	WATER	13-APR-95 N/S	22-APR-95

Analytical Technologies, Inc.

"Method Report Summary"

Accession Number: 504704
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 504393
Project Name: SPARTON TECHNOLOGIES
Project Location: AGMP-2Q95
Test: Group of Single Wetchem

Client Sample Id:	Parameter:	Unit:	Result:
504393-01	PH (150.1)	UNITS	7.5
504393-02	PH (150.1)	UNITS	7.3
504393-03	PH (150.1)	UNITS	5.7
504393-04 (TB)	PH (150.1)	UNITS	5.7

Analytical Technologies, Inc.

"WetChem Quality Control Report"

Parameter:	PH
Batch Id:	PHW087
Blank Result:	N/A
Anal. Method:	150.1
Prep. Method:	N/A
Analysis Date:	22-APR-95
Prep. Date:	22-APR-95

Sample Duplication

Sample Dup:	504704-1
Rept Limit:	N/A
Sample Result:	7.50
Dup Result:	7.51
Sample RPD:	0.01
Max RPD:	0.12
Dry Weight%	N/A

Matrix Spike

Sample Spiked:	N/A
Rept Limit:	N/A
Sample Result:	
Spiked Result:	
Spike Added:	
% Recovery:	
% Rec Limits:	
Dry Weight%	

ICV

ICV Result:	9.88
True Result:	10.00
% Recovery:	99
% Rec Limits:	90-110

LCS

LCS Result:	6.98
True Result:	6.87
% Recovery:	102
% Rec Limits:	97-103

Analytical Technologies, Inc.

"Quality Control Comments"

Batch Id:	Comments:
PHW087	PH LCS: MALLINCKRODT; LOT #: 7100KDGT/7708

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

CHAIN OF CUSTODY

DATE: 4-21-95 PAGE 1 OF 1

ATI LAB I.D. 504393

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

PROJECT MANAGER: John M. Wakefield

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

BILL TO: John Wakefield
COMPANY: Spurton Tech Inc.
ADDRESS: 4901 Rockaway Blvd. SE
Rio Rancho NM 87124

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	Electrical Conductivity	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	TOC	TOX	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)			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-16	4-21-95	1203	Aq.	01					X	X	X			X	X																	9
MW-22	4-21-95	0922	Aq.	02					X	X	X			X	X																	9
Field Blank	4-21-95	0938	Aq.	03					X	X	X			X	X																	9
Trip Blank	4-13-95	—	Aq.	04					X	X	X			X	X																	5

004496

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:	2095-A	NO. CONTAINERS	32
PROJ. NAME:	AGMP-2095	CUSTODY SEALS	Y/N/NA
P.O. NO.:		RECEIVED INTACT	Y
SHIPPED VIA:	Delivered	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.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1248	Signature: Time: 1520	Signature: Time:
Printed Name: John Wakefield Date: 4-21-95	Printed Name: Don A. Gutierrez Date: 4-21-95	Printed Name: Date:
Company: STI Phone: 892-5300	Company: STI	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY:(LAB) 3.
Signature: Time: 1520	Signature: Time:	Signature: Time: 1520
Printed Name: Don A. Gutierrez Date: 4-21-95	Printed Name: Date:	Printed Name: Date: 4/21/95
Company: STI	Company:	Analytical Technologies, Inc.

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

504704

DATE 4/21/95 PAGE 1 OF 1

NETWORK PROJECT MANAGER: LETITIA KRAKOWSKI

COMPANY: **Analytical Technologies, Inc.**

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

CLIENT PROJECT MANAGER:

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
504393-01	4/21	1203	AQ												X																		1
-02	4/21	0922													X																		1
-03	4/21	0938													X																		1
-04 (T/B)	4/13	/													X																		1

004497

PROJECT INFORMATION	
PROJECT NUMBER:	504393
PROJECT NAME:	SPARTON
QC LEVEL:	STD IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	4
CHAIN OF CUSTODY SEALS	Y
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	504704

DUE DATE: 5/5/95

RUSH SURCHARGE: —

CLIENT DISCOUNT: 10 %

Sat 4/22

Please ANALYZE ASAP

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1700	Signature: Time:
Printed Name: Date 4/21/95	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time: 0959	Signature: Time:
Printed Name: Date: 4/22/95	Printed Name: Date:
Company: ATI Pens	Company:

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody 9504-176

DATE 4/21/95 PAGE 1 OF 1

NETWORK PROJECT MANAGER: LETITIA KRAKOWSKI

COMPANY: **Analytical Technologies, Inc.**

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

CLIENT PROJECT MANAGER:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)		632/632 MOD	619/619 MOD	610/8310	Flashpoint & Conductivity	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
504343 -01	4/21	1203	AQ	01	X	X								X	X																	5	6
-02		0922		02	X	X								X	X																	5	6
-03		0938		03	X	X								X	X																	5	6
-04 (TB)	4/13	—		04	X	X								X	X																		4

4 TO 3

004498

PROJECT INFORMATION	
PROJECT NUMBER:	504343
PROJECT NAME:	Burton
QC LEVEL:	(STD) IV
QC REQUIRED:	MS MSD BLANK
TAT:	(STANDARD) RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	18
CHAIN OF CUSTODY SEALS	NA
INTACT?	NA
RECEIVED GOOD COND. (COLD)	Y
LAB NUMBER	

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

DUE DATE: 5/5

RUSH SURCHARGE: 0

CLIENT DISCOUNT: 10 %

WO# LK405

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature:	Signature:
Time: 1730	Time:
Printed Name: Dianne Miller	Printed Name:
Date: 4/21/95	Date
Analytical Technologies, Inc. Albuquerque	Company: FED-X
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature:	Signature:
Time:	Time: 9:45
Printed Name:	Printed Name: L. Kelly
Date:	Date: 4-22-95
Company: FED-X	Company: ATI

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

----- Common Footnotes Wet Chem -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
ND = NOT DETECTED ABOVE REPORTING LIMIT.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DIGESTION) SPIKE IS REPORTED DUE TO THE MATRIX (PRE-DIGESTION) SPIKE BEING OUTSIDE ACCEPTANCE LIMITS.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE.
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX (DILUTION PRIOR TO PREPARATION).
P = ANALYTICAL (POST-DIGESTION) SPIKE
I = DUPLICATE INJECTION
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE RESULTS EXCEED THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL" SAMPLE IS NON-HOMOGENOUS.
(*) = DETECTION LIMITS RAISED DUE TO CLP METHOD NOT REQUIRING A CONCENTRATION STEP FOR CN.

(CA) = SEE CORRECTIVE ACTIONS FORM.

SW-846, 3RD EDITION, SEPTEMBER 1986 AND REVISION 1, JULY 1992.
EPA 600/4-79-020, REVISED MARCH 1983.
STANDARD METHODS, 17TH ED., 1989
NIOSH MANUAL OF ANALYTICAL METHODS, 3RD EDITION.
ANNUAL BOOK OF ASTM STANDARDS, VOLUME 11.01, 1991.

1. COLIFORM. COLIFORM PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE LOGARITHM OF COLONIES PER 100 MLS OF SAMPLE ON DUPLICATE PLATES.

2. PH. PH PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND THE DUPLICATE ANALYSIS.

3. FLASHPOINT. FLASHPOINT PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS. IF FLASHPOINT IS LESS THAN 25 DEGREES CELSIUS, THE DETECTION LIMIT BECOMES THE INITIAL STARTING TEMPERATURE.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION).

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

DPH = DOLLY P. HWANG	RB = REBECCA BROWN	CD = CHRISTY DRAPER
DBH = DONALD B. HAND	BF = BLANCA FACH	SL = STEPHANIE LOWRY
TT = TONY TINEO	NB = NANCY L. BRASCH	
JHS = JOSEPH SAUNDERS	MM = MARY MOLONEY	
NSB = NANCY S. BUTLER	CF = CHRISTINE FOSTER	

METHOD	TEST	DATE ANALYZED	DETECTION LIMIT	ANALYST
150.1	pH	04/22/95	Units	BF
9050	CONDUCTIVITY	04/25/95	µmho's/CM	JH
415.2	TOTAL ORGANIC CARBON	04/25/95	<1.0 mg/l	SPH
9020	TOTAL ORGANIC HALIDE	04/25/95	<20 ug/l	SPH
8010	VOLATILE ORGANICS	04/25/95 04/26/95	see attached sheets	JE

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 504393

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
1X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	0.2
BROMOFORM	0.5
BROMOMETHANE	1.0
CARBON TETRACHLORIDE	0.2
CHLOROBENZENE	0.5
CHLOROETHANE	0.5
CHLOROFORM	0.5
CHLOROMETHANE	1.0
DIBROMOCHLOROMETHANE	0.2
1,2-DIBROMOETHANE (EDB)	0.2
1,2-DICHLOROBENZENE	0.5
1,3-DICHLOROBENZENE	0.5
1,4-DICHLOROBENZENE	0.5
1,1-DICHLOROETHANE	0.2
1,2-DICHLOROETHANE (EDC)	0.5
1,1-DICHLOROETHENE	0.2
CIS-1,2-DICHLOROETHENE	0.2
TRANS-1,2-DICHLOROETHENE	1.0
1,2-DICHLOROPROPANE	0.2
CIS-1,3-DICHLOROPROPENE	0.2
TRANS-1,3-DICHLOROPROPENE	0.2
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	0.2
TETRACHLOROETHENE	0.5
1,1,1-TRICHLOROETHANE	1.0
1,1,2-TRICHLOROETHANE	0.2
TRICHLOROETHENE	0.2
TRICHLOROFLUOROMETHANE	0.2
VINYL CHLORIDE	0.5

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 504393

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
10X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	2.0
BROMOFORM	5.0
BROMOMETHANE	10.0
CARBON TETRACHLORIDE	2.0
CHLOROBENZENE	5.0
CHLOROETHANE	5.0
CHLOROFORM	5.0
CHLOROMETHANE	10.0
DIBROMOCHLOROMETHANE	2.0
1,2-DIBROMOETHANE (EDB)	2.0
1,2-DICHLOROBENZENE	5.0
1,3-DICHLOROBENZENE	5.0
1,4-DICHLOROBENZENE	5.0
1,1-DICHLOROETHANE	2.0
1,2-DICHLOROETHANE (EDC)	5.0
1,1-DICHLOROETHENE	2.0
CIS-1,2-DICHLOROETHENE	2.0
TRANS-1,2-DICHLOROETHENE	10.0
1,2-DICHLOROPROPANE	2.0
CIS-1,3-DICHLOROPROPENE	2.0
TRANS-1,3-DICHLOROPROPENE	20.0
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	2.0
TETRACHLOROETHENE	5.0
1,1,1-TRICHLOROETHANE	10.0
1,1,2-TRICHLOROETHANE	2.0
TRICHLOROETHENE	2.0
TRICHLOROFLUOROMETHANE	2.0
VINYL CHLORIDE	5.0

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 504393

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
200X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	40
BROMOFORM	100
BROMOMETHANE	200
CARBON TETRACHLORIDE	40
CHLOROBENZENE	100
CHLOROETHANE	100
CHLOROFORM	100
CHLOROMETHANE	200
DIBROMOCHLOROMETHANE	40
1,2-DIBROMOETHANE (EDB)	40
1,2-DICHLOROBENZENE	100
1,3-DICHLOROBENZENE	100
1,4-DICHLOROBENZENE	100
1,1-DICHLOROETHANE	40
1,2-DICHLOROETHANE (EDC)	100
1,1-DICHLOROETHENE	40
CIS-1,2-DICHLOROETHENE	40
TRANS-1,2-DICHLOROETHENE	200
1,2-DICHLOROPROPANE	40
CIS-1,3-DICHLOROPROPENE	40
TRANS-1,3-DICHLOROPROPENE	40
METHYLENE CHLORIDE	400
1,1,2,2-TETRACHLOROETHANE	40
TETRACHLOROETHENE	100
1,1,1-TRICHLOROETHANE	200
1,1,2-TRICHLOROETHANE	40
TRICHLOROETHENE	40
TRICHLOROFLUOROMETHANE	40
VINYL CHLORIDE	100

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 507393

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
500X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	100
BROMOFORM	250
BROMOMETHANE	500
CARBON TETRACHLORIDE	100
CHLOROBENZENE	250
CHLOROETHANE	250
CHLOROFORM	250
CHLOROMETHANE	500
DIBROMOCHLOROMETHANE	100
1,2-DIBROMOETHANE (EDB)	100
1,2-DICHLOROBENZENE	250
1,3-DICHLOROBENZENE	250
1,4-DICHLOROBENZENE	250
1,1-DICHLOROETHANE	100
1,2-DICHLOROETHANE (EDC)	250
1,1-DICHLOROETHENE	100
CIS-1,2-DICHLOROETHENE	100
TRANS-1,2-DICHLOROETHENE	500
1,2-DICHLOROPROPANE	100
CIS-1,3-DICHLOROPROPENE	100
TRANS-1,3-DICHLOROPROPENE	100
METHYLENE CHLORIDE	1000
1,1,2,2-TETRACHLOROETHANE	100
TETRACHLOROETHENE	250
1,1,1-TRICHLOROETHANE	500
1,1,2-TRICHLOROETHANE	100
TRICHLOROETHENE	100
TRICHLOROFLUOROMETHANE	100
VINYL CHLORIDE	250

SECTION 11

THIRD QUARTER, 1995

LABORATORY REPORT

3Q 1995 AGMP
Cr^{+6} Analysis Only
MW-19, 20, 21, 15, 22, FB, TB
Received 8-13-95

Analytical **Technologies,** Inc.

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

ATI I.D. **508312**

August 15, 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.

All analyses were performed by Aquatic Consulting & Testing Inc., 1525 W. University Drive, Suite 106, P.O. Box 1510, Tempe, AZ 85281.

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

KDMcNeill

Kimberly D. McNeill
Project Manager

H Mitchell Rubenstein

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical Technologies, Inc.

CLIENT	: SPARTON TECHNOLOGY INC.	DATE RECEIVED	: 08/02/95
PROJECT #	: 080195		
PROJECT NAME	: AGMP-3Q95	REPORT DATE	: 08/15/95

ATI ID: 508312

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-19	AQUEOUS	08/02/95
02	MW-20	AQUEOUS	08/02/95
03	MW-21	AQUEOUS	08/02/95
04	MW-15	AQUEOUS	08/02/95
05	MW-22	AQUEOUS	08/02/95
06	FIELD BLANK	AQUEOUS	08/02/95
07	TRIP BLANK	AQUEOUS	07/24/96

---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.

AQUATIC CONSULTING & TESTING, INC.

1525 W. University Drive, Suite 106
P.O. Box 1510
Tempe, Arizona 85281
Phone: (602) 921-8044 • FAX: (602) 921-0049

Lic. No. AZ0003

LABORATORY REPORT

CLIENT: **Analytical Technologies, Inc.**
2709-D Pan American Frwy, NE
Albuquerque, NM 87107

DATE SUBMITTED: 08/03/95
DATE REPORTED: 08/09/95

ATTN: **Kim McNeill**

PO#: - - -

SUBMITTED BY: Courier
SAMPLE TYPE: Aqueous
SAMPLE DATE: See C.O.C.
METHOD NO.: SM 3500-CrD

RESULTS

Client Sample I.D.	Analysis Date	AC & T Lab Number	Hexavalent Chromium, mg/L
508312-01	08/03/1995@0810	BA-04892	<0.05
508312-02	08/03/1995@0810	BA-04893	<0.05
508312-03	08/03/1995@0810	BA-04894	<0.05
508312-04	08/03/1995@0810	BA-04895	<0.05
508312-05	08/03/1995@0810	BA-04896	<0.05
508312-06	08/03/1995@0810	BA-04897	<0.05
508312-07*	08/03/1995@0810	BA-04898	<0.05

***Sample received after hold-time expired.**

Reviewed by: Frederick A. Amalfi

Frederick A. Amalfi, Ph.D.
Laboratory Director

File No. BA-04892.XLS

AQUATIC CONSULTING & TESTING, INC.

1525 W. University Drive, Suite 106
P.O. Box 1510
Tempe, Arizona 85281
Phone: (602) 921-8044 • FAX: (602) 921-0049

Lic. No. AZ0003

QUALITY CONTROL REPORT

PARAMETER:	Hexavalent Chromium	UNITS:	mg/L
METHOD NO.:	SM 3500-CrD	PREPARED BY:	CJC
ANALYSIS DATE:	8/3/95		

INTERNAL QUALITY CONTROL SAMPLE

Theoretical Value	Analytical Value	% Recovery
0.50	0.48	96

DUPLICATE SAMPLE DATA

Lab I.D.	Result 1	Result 2	RPD
BA-04892	<0.05	<0.05	<1.0

SPIKED SAMPLE DATA

Lab I.D.	Sample Result	Spike Result	Amount Spiked	% Recovery
BA-04892	0.00	0.49	0.50	98

File No. QC-04892.XLS

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	Cr^{+6}		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 - O_2, CO_2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
~~AP58~~ 508312 -01	8-2	0835	AQ	04892										X																				1
-02	↓	0817	↓	04893										X																				1
-03		1000		04894										X																				1
-04		1033		04895										X																				1
-05		1116		04896										X																				1
-06	↓	1104		04897										X																				1
-07	7/24	1400	↓	04898										X																				1

PROJECT INFORMATION	
PROJECT NUMBER:	508312
PROJECT NAME:	AGMP-3Q95
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	

DUE DATE: 8/3

RUSH SURCHARGE: ~~100%~~ KM 8/2/95

CLIENT DISCOUNT: 10 %

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Andrew Parker Time: 1252	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: Cathy Greer Time: 7:47am
Printed Name: Date:	Printed Name: Greer Date: 8-3-95
Company:	Company: ACET

004510

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.: 508312

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

PROJECT MANAGER: John M. Wakefield

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

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

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Hexavalent Chromium	NUMBER OF CONTAINERS
MW-19	8-2-95	0835	Aq.	-01	X	1
MW-20	"	0817	Aq.	-02	X	1
MW-21	"	1000	"	-03	X	1
MW-15	"	1033	"	-04	X	1
MW-22	"	1116	"	-05	X	1
Field Blank	"	1104	"	-06	X	1
Trip Blank	7-24-95	1400	"	-07	X	1

004511

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:	080195	NO. CONTAINERS	Y
PROJ. NAME:	AGMP-3Q95	CUSTODY SEALS	(Y) N / NA
P.O. NO.:	43416-1-06	RECEIVED INTACT	Y
SHIPPED VIA:	Delivered	RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments:
C of C Seals on Cooler

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: John M. Wakefield Time: 1138	Signature: Don Gutierrez Time: 12:00	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: Don Gutierrez Time: 11:38	Signature: Time:	Signature: Andrea Parker Time: 1201
Printed Name: Don Gutierrez Date: 8-2-95	Printed Name: Date:	Printed Name: Andrea Parker Date: 8/2/95
Company: STI	Company:	Analytical Technologies, Inc.

AGMP 3rd Q 1995
MW-14, 9, 16 for Cr+6
Received 9-5-95

Analytical Technologies, Inc.

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

ATI I.D. **508305**

August 31, 1995

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

Project Name/Number: AGMP-3Q95 080195

Attention: John M. Wakefield

On **08/01/95**, 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.

All analyses were performed by Aquatic Consulting & Testing, Inc., 1525 W. University Drive, Suite 106, P.O. Box 1510, Tempe, AZ 85281.

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

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical Technologies, Inc.

CLIENT	: SPARTON TECHNOLOGY INC.	DATE RECEIVED	: 08/01/95
PROJECT #	: 080195		
PROJECT NAME	: AGMP-3Q95	REPORT DATE	: 08/31/95

ATI ID: 508305

	ATI ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	508305-01	MW-14	AQUEOUS	08/01/95
02	508305-02	MW-9	AQUEOUS	08/01/95
03	508305-03	MW-16	AQUEOUS	08/01/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	3

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.

ATI ID#: 508305
CLIENT: SPARTON TECHNOLOGY

METHOD	TEST	DATE ANALYZED	DETECTION LIMIT	ANALYST INITIALS
7196	HEXAVALENT CHROMIUM	08/02/95	0.05 MG/L	SM

AQUATIC CONSULTING & TESTING, INC.

1525 W. University Drive, Suite 106
P.O. Box 1510
Tempe, Arizona 85281
Phone: (602) 921-8044 • FAX: (602) 921-0049

Lic. No. AZ0003

LABORATORY REPORT

CLIENT: **Analytical Technologies, Inc.**
2709-D Pan American Frwy, NE
Albuquerque, NM 87107

DATE SUBMITTED: 08/02/95
DATE REPORTED: 08/09/95

ATTN: **Kim McNeill**

PO#: - - -

SUBMITTED BY: Courier
SAMPLE TYPE: Aqueous
SAMPLE DATE: See C.O.C.
METHOD NO.: SM 3500-CrD

RESULTS

Client Sample I.D.	Analysis Date	AC & T Lab Number	Hexavalent Chromium, mg/L
508305-01	08/02/95@1230	BA-04860	0.91
508305-02	08/02/95@1230	BA-04861	<0.05
508305-03	08/02/95@1230	BA-04862	0.52

Reviewed by: Frederick A. Amalfi

Frederick A. Amalfi, Ph.D.
Laboratory Director

004515

File No. BA-04860.XLS

AQUATIC CONSULTING & TESTING, INC.

1525 W. University Drive, Suite 106
P.O. Box 1510
Tempe, Arizona 85281
Phone: (602) 921-8044 • FAX: (602) 921-0049

Lic. No. AZ0003

QUALITY CONTROL REPORT

PARAMETER:	Hexavalent Chromium	UNITS:	mg/L
METHOD NO.:	SM 3500-CrD	PREPARED BY:	CJC
ANALYSIS DATE:	8/2/95		

INTERNAL QUALITY CONTROL SAMPLE

Theoretical Value	Analytical Value	% Recovery
0.50	0.48	96

DUPLICATE SAMPLE DATA

Lab I.D.	Result 1	Result 2	RPD
BA-04862	0.51	0.52	1.9

SPIKED SAMPLE DATA

Lab I.D.	Sample Result	Spike Result	Amount Spiked	% Recovery
BA-04862	0.26	0.76	0.50	100

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody

DATE 8/1 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

Watch hold

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	Cr+6		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
508305 - 01	8/1	1346	AQ	BA-04860										X																				
02	↓	1401	↓	04861										X																				
03	↓	1430	↓	04862										X																				

004517

PROJECT INFORMATION	
PROJECT NUMBER:	508305
PROJECT NAME:	SPARTON
QC LEVEL:	(STD) IV
QC REQUIRED:	MS MSD BLANK
TAT:	(STANDARD) RUSHI

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

DUE DATE: 8/14

RUSH SURCHARGE:

CLIENT DISCOUNT: %

WATCH HOLD

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: K McNeill Time: 500	Signature: Time:
Printed Name: K McNeill Date: 8/1/95	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Cathy Greer Time: 10:00	Signature: Time:
Printed Name: Cathy Greer Date: 8-2-95	Printed Name: Date:
Company: ACET	Company:

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

CHAIN OF CUSTODY

DATE: 8-1-95 PAGE 1 OF 1

ATI LAB I.D. 508305

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

PROJECT MANAGER: John M. Wakefield

COMPANY: Spanton Technology Inc.
ADDRESS: 9621 Coors Rd. NW
Facility: 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)	Hexavalent Chromium		Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.			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)			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-14	8-1-95	1346	Aq	-01					X																								1
MW-9	"	1401	"	-02					X																								1
MW-16	"	1430	"	-03					X																								1

004518

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:	080195	NO. CONTAINERS	3
PROJ. NAME:	AGMP-3Q95	CUSTODY SEALS	(Y) N / NA
P.O. NO.:	43416-1-06	RECEIVED INTACT	Y
SHIPPED VIA:	Delivered	RECEIVED COLD	N*

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments:
C of C Seals on Cooler
* Direct from field (blue ice)

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1500	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date: 8-1-95	Printed Name: Peter H. Metzner Date: 8-1-95	Printed Name: Date:
Company: STI Phone: 892-5300	Company: Metric Corp.	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time: 1500	Signature: Time:	Signature: Time: 1545
Printed Name: Peter H. Metzner Date: 8-1-95	Printed Name: Date:	Printed Name: Andrew Parker Date: 8/1
Company: Metric Corp	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

AGMP 3rd Q 1995
MW-14, 9, 16,
Received 9-5-95

Analytical Technologies, Inc.

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

ATI I.D. **508306**

August 30, 1995

Sparton Technology Inc.
4901 Rockaway Blvd. SE
Rio Rancho, NM 87114

Project Name/Number: AGMP-3Q95 080195

Attention: John M. Wakefield

On **08/01/95**, 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.

Combined Nitrate/Nitrite analyses was performed in lieu of Nitrate analyses due to hold time consideration. There will be no charge for these analyses.

Additionally TOX was observed and reported below the calculated MDL based on non-linearity of the instrument.

EPA method 9020 analyses were performed by Analytical Technologies, Inc., 5550 Morehouse Drive, San Diego, CA.

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

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

All other analyses were performed by Analytical Technologies, Inc., 11 East Olive Road, Pensacola, FL.

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

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical Technologies, Inc.

CLIENT	: SPARTON TECHNOLOGY	DATE RECEIVED	: 08/01/95
PROJECT #	: 080195		
PROJECT NAME	: AGMP-3Q95	REPORT DATE	: 08/30/95

ATI ID: 508306

	ATI SAN DIEGO AND PENSACOLA ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	508306-01	MW-14	AQUEOUS	08/01/95
02	508306-02	MW-9	AQUEOUS	08/01/95
03	508306-03	MW-16	AQUEOUS	08/01/95
04	508306-04	TRIP BLANK	AQUEOUS	07/24/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	4

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.

ATI ID#: 508306
CLIENT: SPARTON TECHNOLOGY

METHOD	TEST	DATE ANALYZED	DETECTION LIMIT	ANALYST INITIALS
150.1	pH	08/01/95	-	PN
9020	TOTAL ORGANIC HALIDE	08/08/95	0.8 MG/L	MH
415.1	TOTAL ORGANIC CARBON	08/09/95	1 MG/L	DWB
325.2	CHLORIDE	08/11/95	2 MG/L	TT
120.1	CONDUCTIVITY	08/14/95	1 UMH/CM	RB
353.2	NITRITE-NITRATE, NITROGEN	08/14/95	1.1 MG/L (Sample 01) 0.3 MG/L (Sample 02) 5.0 MG/L (Sample 03)	TT
375.4	SULFATE	08/14/95	50 MG/L	SG
351.2	TOTAL KJELDAHL NITROGEN	08/10/95	0.5 MG/L (Samples 01,02) 2.0 MG/L (Sample 03)	TT
8240	VOLATILE ORGANICS	08/09/95 08/11/95	See Data Pages	JL
200.7	BORON	08/08/95	0.9 MG/L	JMP
	CHROMIUM	08/08/95	0.01 MG/L	
	MANGANESE	08/08/95	0.01 MG/L	
	SODIUM	08/08/95	0.2 MG/L	
	NICKEL	08/08/95	0.02 MG/L	

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY	ATI I.D.	: 508306
PROJECT #	: 080195	DATE RECEIVED	: 08/01/95
PROJECT NAME	: AGMP-3Q95	DATE ANALYZED	: 08/01/95

PARAMETER	UNITS	01	02	03
PH (150.1)	UNITS	8.32	7.82	7.61

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY
PROJECT # : 080195
PROJECT NAME : AGMP-3Q95

ATI I.D. : 508306
SAMPLE MATRIX : AQUEOUS

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PH	UNITS	50830601	8.32	8.33	0.12	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.

"FINAL REPORT FORMAT - SINGLE"

Accession:	508087
Client:	ANALYTICAL TECHNOLOGIES, INC.
Project Number:	508306
Project Name:	SPARTON
Project Location:	AGNP-3Q95
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	001	Sample Date/Time:	01-AUG-95 1331
Client Sample Id:	508306-01	Received Date:	02-AUG-95
Batch: TOW045		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	09-AUG-95

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	2	1	
ANALYST	INITIALS	DWB		

Comments:

Analytical Technologies, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	508087
Client:	ANALYTICAL TECHNOLOGIES, INC.
Project Number:	508306
Project Name:	SPARTON
Project Location:	AGNP-3Q95
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	002	Sample Date/Time:	01-AUG-95 1338
Client Sample Id:	508306-02	Received Date:	02-AUG-95
Batch: TOW045		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	09-AUG-95

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	2	1	
ANALYST	INITIALS	DWB		

Comments:

004525

Analytical Technologies, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	508087
Client:	ANALYTICAL TECHNOLOGIES, INC.
Project Number:	508306
Project Name:	SPARTON
Project Location:	AGNP-3Q95
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	003	Sample Date/Time:	01-AUG-95 1416
Client Sample Id:	508306-03	Received Date:	02-AUG-95
Batch: TOW045		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	09-AUG-95

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	2	1	
ANALYST	INITIALS	DWB		

Comments:

004526

Analytical Technologies, Inc.

"Method Report Summary"

Accession Number: 508087
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 508306
Project Name: SPARTON
Project Location: AGNP-3Q95
Test: TOTAL ORGANIC CARBON

Client Sample Id:	Parameter:	Unit:	Result:
508306-01	TOTAL ORGANIC CARBON	MG/L	2
508306-02	TOTAL ORGANIC CARBON	MG/L	2
508306-03	TOTAL ORGANIC CARBON	MG/L	2

Analytical Technologies, Inc.

"QC Report"

Title: Water Blank
Batch: TOW045
Analysis Method: 415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method: N/A

Blank Id: A Date Analyzed: 09-AUG-95 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC CARBON	MG/L	ND	1
ANALYST	INITIALS	DWB	

Comments:

Analytical Technologies, Inc.

"QC Report"

Title: Water Reagent
Batch: TOW045
Analysis Method: 415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method: N/A

RS Date Analyzed: 09-AUG-95 RS Date Extracted: N/A
RSD Date Analyzed: 09-AUG-95 RSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	RS Conc	RS %Rec	RSD Conc	RSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	6.7	<1	6.9	103	6.7	100	3	30	71-127

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

Analytical Technologies, Inc.

"QC Report"

Title: Water Matrix
Batch: TOW045
Analysis Method: 415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 508087-1

MS Date Analyzed: 09-AUG-95
MSD Date Analyzed: 09-AUG-95

MS Date Extracted: N/A
MSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	6.7	1.8	8.8	104	8.8	104	0	30	51-135

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

Analytical Technologies, Inc.

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG = MICROGRAMS
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/M3 = MILLIGRAM PER CUBIC METER.
PPMV = PART PER MILLION BY VOLUME.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND = NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

ATI/GC/FID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

ATI/GC/FIX
ATI GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

ATI/GC/FPD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

ATI/GC/PID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

ATI/GC/TCD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

LJT = LISA THOMASON
KW = KAREN WADSWORTH
SW = STEVE WILHITE
SJF = STEVE FILOROMO
PL = PAUL LESCHENSKY
RW = ROBERT WOLFE
BV = BEN VAUGHN
KS = KENDALL SMITH
KK = KERRY KUST
DWB = DAVID W. BOWERS
RP = ROB PEREZ

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 508306 ATI I.D.: 506
Project Name: SPARTON

Analysis	Technique/Description
EPA 9020 (TOTAL ORGANIC HALIDE)	TOTAL ORGANIC HALIDE ANALYZER

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 508306 ATI I.D.: 508C
Project Name: SPARTON

Sample #	Client ID	Matrix	Date Sampled	Date Receive
1	508306-01	WATER	01-AUG-95	08-AUG-
2	508306-02	WATER	01-AUG-95	08-AUG-
3	508306-03	WATER	01-AUG-95	08-AUG-

Parameter	Units	1	2	3
TOTAL ORGANIC HALIDES	MG/L	0.39	0.78	4.9

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

DUP/MS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 508306 ATI I.D. : 508
Project Name: SPARTON

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Re
TOTAL ORGANIC HALIDES	508085-01	MG/L	0.39	0.47	19@R	10	10	96

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

BLANK SPIKE

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 508306 ATI I.D. : 508
Project Name: SPARTON

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Re
TOTAL ORGANIC HALIDES	58131	MG/L	<0.008	0.095	0.10	95

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

DATE LISTING FOR INORGANICS FOR PROJECT ID ANATEC01 11-AUG-95 PAGE 1
FOR ACCESSIONS RECEIVED WITHIN THE LAST 90 DAYS
ACCESSION # 508085

Project Id: ANATEC01 Proj Name : SPARTON
Proj Num : 508306 Accession : 508085

Test: EPA 9020 (TOTAL ORGANIC HALIDE)

ATI #	Matrix	Client ID	Sampled	Received	Analyzed	Prep Date
1	WATER	508306-01	01-AUG-95	08-AUG-95	09-AUG-95	N/A
2	WATER	508306-02	01-AUG-95	08-AUG-95	09-AUG-95	N/A
3	WATER	508306-03	01-AUG-95	08-AUG-95	09-AUG-95	N/A

Analytical Technologies, Inc.

ANALYTICAL TECHNOLOGIES, INC.
SAN DIEGO
FLAGS

INORGANICS

FLAG	MESSAGE DESCRIPTION
B	ABSOLUTE VALUE OF ANALYTE CONCENTRATION IS < CRDL BUT ≥ THE IDL
BB	RESULT BETWEEN IDL AND LOQ
D	POST DIGESTION SPIKE FOR GFAA OUTSIDE LIMITS AFTER 1:25 DILUTION. SAMPLE REPORTED AT ORIGINAL CONCENTRATION.
E	ESTIMATED VALUE DUE TO INTERFERENCE
M	DUPLICATE INJECTION PRECISION NOT MET
N	SPIKED SAMPLE RECOVERY NOT WITHIN CONTROL LIMITS
S	REPORTED VALUE WAS DETERMINED BY METHOD OF STANDARD ADDITIONS
U	COMPOUND WAS ANALYZED FOR BUT NOT DETECTED
W	POST DIGESTION SPIKE OUT OF CONTROL LIMITS; SAMPLE ABSORBANCE < 50% OF SPIKE ABSORBANCE FOR GF/AA
X	ABSOLUTE VALUE OF ANALYTE CONCENTRATION IS LESS THAN 3 TIMES THE MDL
*	DUPLICATE ANALYSIS NOT WITHIN CONTROL LIMITS
+	CORRELATION COEFFICIENT FOR MSA IS LESS THAN 0.995
*H	RESULTS OUTSIDE OF LIMITS DUE TO SAMPLE MATRIX INTERFERENCE
*Q	INSUFFICIENT SAMPLE FOR ANALYSIS
*R	DATA IS NOT USABLE
*V	SAMPLE RESULT IS >4X SPIKED CONCENTRATION, THEREFORE SPIKE IS NOT DETECTABLE
*Y	RESULT NOT ATTAINABLE DUE TO SAMPLE MATRIX INTERFERENCE
@C	*VARIABLE MESSAGE*
@H	DETECTION LIMIT ELEVATED DUE TO MATRIX INTERFERENCE
@Q	DETECTION LIMIT ELEVATED DUE TO LIMITED SAMPLE FOR ANALYSIS
@R	RPD LIMIT IS 67% FOR INORGANIC RESULTS LESS THAN TEN TIMES THE REPORTING DETECTION LIMIT
@S	RPD: ONE RESULT ABOVE AND ONE RESULT BELOW REPORTING LIMIT (RL). RESULT ABOVE SHOULD BE < 5 TIMES RL TO BE IN CONTROL.
@V	PRE-DIGEST SPIKE OUT OF LIMITS. POST DIGESTION SPIKE YIELDED ACCEPTABLE RESULTS
@W	DETECTION LIMIT ELEVATED DUE TO REDUCED SAMPLE WEIGHT
@Y	ION BALANCE OUTSIDE OF ATI'S ACCEPTANCE LIMITS; REANALYSIS CONFIRMED ORIGINAL RESULT
@X	RESULTS VERIFIED BY REDIGESTION AND REANALYSIS

Analytical Technologies, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 508087
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 508306
Project Name: SPARTON
Project Location: AGNP-3Q95
Test: Group of Single Wetchem
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 508306-01			Lab ID: 001		
CHLORIDE (325.2)	MG/L	41	2	CKW22A	
CONDUCTIVITY (120.1)	UMH/CM	870	1	CDW049	
NITRITE-NITRATE, NITROGEN (353.2)	MG/L	28	1.1	N3W55B	+
SULFATE (375.4)	MG/L	170	50	SEW073	+
TOTAL KJELDAHL NITROGEN (351.2)	MG/L	ND	0.5	TAW33G	
Comments:					
Client ID: 508306-02			Lab ID: 002		
CHLORIDE (325.2)	MG/L	18	2	CKW22A	
CONDUCTIVITY (120.1)	UMH/CM	850	1	CDW049	
NITRITE-NITRATE, NITROGEN (353.2)	MG/L	11	0.3	N3W55B	+
SULFATE (375.4)	MG/L	180	50	SEW073	+
TOTAL KJELDAHL NITROGEN (351.2)	MG/L	ND	0.5	TAW33G	
Comments:					
Client ID: 508306-03			Lab ID: 003		
CHLORIDE (325.2)	MG/L	71	2	CKW22A	
CONDUCTIVITY (120.1)	UMH/CM	1300	1	CDW049	
NITRITE-NITRATE, NITROGEN (353.2)	MG/L	ND	5	N3W55B	*
SULFATE (375.4)	MG/L	180	50	SEW073	+
TOTAL KJELDAHL NITROGEN (351.2)	MG/L	51	2.0	TAW33G	+
Comments:					

Analytical Technologies, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 508087
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 508306
Project Name: SPARTON
Project Location: AGNP-3Q95
Test: Group of Single Wetchem

Client ID:	Lab Matrix: ID:	Date/Time Sampled:	Date Received:
508306-01	001 WATER	01-AUG-95 1331	02-AUG-95
508306-02	002 WATER	01-AUG-95 1338	02-AUG-95
508306-03	003 WATER	01-AUG-95 1416	02-AUG-95

Analytical Technologies, Inc.

"Method Report Summary"

Accession Number: 508087
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 508306
Project Name: SPARTON
Project Location: AGNP-3Q95
Test: Group of Single Wetchem

Client Sample Id:	Parameter:	Unit:	Result:
508306-01	CHLORIDE (325.2)	MG/L	41
	CONDUCTIVITY (120.1)	UMH/CM	870
	NITRITE-NITRATE, NITROGEN (353.2)	MG/L	28
	SULFATE (375.4)	MG/L	170
508306-02	CHLORIDE (325.2)	MG/L	18
	CONDUCTIVITY (120.1)	UMH/CM	850
	NITRITE-NITRATE, NITROGEN (353.2)	MG/L	11
	SULFATE (375.4)	MG/L	180
508306-03	CHLORIDE (325.2)	MG/L	71
	CONDUCTIVITY (120.1)	UMH/CM	1300
	SULFATE (375.4)	MG/L	180
	TOTAL KJELDAHL NITROGEN (351.2)	MG/L	51

Analytical Technologies, Inc.

"WetChem Quality Control Report"

Parameter:	CHLORIDE-A	CONDUCT'Y	NO2NO3	SULFATE	TKN ALP
Batch Id:	CKW22A	CDW049	N3W55B	SEW073	TAW33G
Blank Result:	<2	<1	<0.1	<10	<0.5
Anal. Method:	325.2	120.1	353.2	375.4	351.2
Prep. Method:	N/A	N/A	N/A	N/A	N/A
Analysis Date:	11-AUG-95	14-AUG-95	14-AUG-95	14-AUG-95	10-AUG-95
Prep. Date:	11-AUG-95	14-AUG-95	14-AUG-95	14-AUG-95	09-AUG-95
Sample Duplication					
Sample Dup:	507394-15	508087-1	508087-3	508087-2	508082-9
Rept Limit:	<2	<1	<5*	<50+	<0.5
Sample Result:	86.8	872	<5	181	0.6
Dup Result:	86.6	873	<5	180	0.7
Sample RPD:	0	0	N/C	1G	0.1G
Max RPD:	13	4	5	50	0.5
Dry Weight%	N/A	N/A	N/A	N/A	N/A
Matrix Spike					
Sample Spiked:	507394-15	N/A	508087-3	508087-2	508082-9
Rept Limit:	<2	N/A	<5*	<100+	<0.5
Sample Result:	86.8		<5	181	0.6
Spiked Result:	103.7		56	412	4.4
Spike Added:	20.0F		50	200	4.0
% Recovery:	85		112	116	95
% Rec Limits:	77-130		85-118	51-151	71-124
Dry Weight%	N/A		N/A	N/A	N/A
ICV					
ICV Result:	55.4	1413	2.04	19.3	10.15
True Result:	55.0	1413	2.00	20.0	10.00
% Recovery:	101	100	102	97	102
% Rec Limits:	90-110	90-110	90-110	90-110	90-110
LCS					
LCS Result:		313			9.85
True Result:		303			10.00
% Recovery:		103			99
% Rec Limits:		84-110			81-117

Analytical Technologies, Inc.

----- Common Footnotes Wet Chem -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
ND = NOT DETECTED ABOVE REPORTING LIMIT.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DIGESTION) SPIKE IS REPORTED DUE TO THE MATRIX (PRE-DIGESTION) SPIKE BEING OUTSIDE ACCEPTANCE LIMITS.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE.
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX (DILUTION PRIOR TO PREPARATION).
P = ANALYTICAL (POST-DIGESTION) SPIKE
I = DUPLICATE INJECTION
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE RESULTS EXCEED THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL" SAMPLE IS NON-HOMOGENOUS.
(*) = DETECTION LIMITS RAISED DUE TO CLP METHOD NOT REQUIRING A CONCENTRATION STEP FOR CN.

(CA) = SEE CORRECTIVE ACTIONS FORM.

SW-846, 3RD EDITION, SEPTEMBER 1986 AND REVISION 1, JULY 1992.
EPA 600/4-79-020, REVISED MARCH 1983.
STANDARD METHODS, 17TH ED., 1989
NIOSH MANUAL OF ANALYTICAL METHODS, 3RD EDITION.
ANNUAL BOOK OF ASTM STANDARDS, VOLUME 11.01, 1991.

1. COLIFORM. COLIFORM PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE LOGARITHM OF COLONIES PER 100 MLS OF SAMPLE ON DUPLICATE PLATES.

2. PH. PH PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND THE DUPLICATE ANALYSIS.

3. FLASHPOINT. FLASHPOINT PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS. IF FLASHPOINT IS LESS THAN 25 DEGREES CELSIUS, THE DETECTION LIMIT BECOMES THE INITIAL STARTING TEMPERATURE.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION).

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

DPH = DOLLY P. HWANG	SG = SCOTT GRESHAM	RB = REBECCA BROWN
TT = TONY TINEO	NSB = NANCY S. BUTLER	FB = FREDDIE BROWN
MM = MARY MOLONEY	CF = CHRISTINE FOSTER	

Analytical Technologies, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 508087
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 508306
Project Name: SPARTON
Project Location: AGNP-3Q95
Test: Group of Single Metals
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 508306-01			Lab ID:001		
BORON (200.7)	MG/L	1.6	0.09	O0W171	
CHROMIUM (200.7)	MG/L	1.0	0.01	H0W171	
MANGANESE (200.7)	MG/L	ND	0.01	G0W171	
SODIUM (200.7)	MG/L	76	0.2	10W171	
NICKEL (200.7)	MG/L	ND	0.02	E0W171	
Comments:					
Client ID: 508306-02			Lab ID:002		
BORON (200.7)	MG/L	1.3	0.09	O0W171	
CHROMIUM (200.7)	MG/L	ND	0.01	H0W171	
MANGANESE (200.7)	MG/L	0.02	0.01	G0W171	
SODIUM (200.7)	MG/L	90	0.2	10W171	
NICKEL (200.7)	MG/L	ND	0.02	E0W171	
Comments:					
Client ID: 508306-03			Lab ID:003		
BORON (200.7)	MG/L	2.2	0.09	O0W171	
CHROMIUM (200.7)	MG/L	0.57	0.01	H0W171	
MANGANESE (200.7)	MG/L	0.02	0.01	G0W171	
SODIUM (200.7)	MG/L	92	0.2	10W171	
NICKEL (200.7)	MG/L	0.05	0.02	E0W171	
Comments:					

Analytical Technologies, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 508087
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 508306
Project Name: SPARTON
Project Location: AGNP-3Q95
Test: Group of Single Metals

Client Id:	Lab Matrix: Id:	Date/Time Sampled:	Date Received:
508306-01	001 WATER	01-AUG-95 1331	02-AUG-95
508306-02	002 WATER	01-AUG-95 1338	02-AUG-95
508306-03	003 WATER	01-AUG-95 1416	02-AUG-95

Analytical Technologies, Inc.

"Method Report Summary"

Accession Number: 508087
Client: ANALYTICAL TECHNOLOGIES, INC.
Project Number: 508306
Project Name: SPARTON
Project Location: AGNP-3Q95
Test: Group of Single Metals

Client Sample Id:	Parameter:	Unit:	Result:
508306-01	BORON (200.7)	MG/L	1.6
	CHROMIUM (200.7)	MG/L	1.0
	SODIUM (200.7)	MG/L	76
508306-02	BORON (200.7)	MG/L	1.3
	MANGANESE (200.7)	MG/L	0.02
	SODIUM (200.7)	MG/L	90
508306-03	BORON (200.7)	MG/L	2.2
	CHROMIUM (200.7)	MG/L	0.57
	MANGANESE (200.7)	MG/L	0.02
	SODIUM (200.7)	MG/L	92
	NICKEL (200.7)	MG/L	0.05

Analytical Technologies, Inc.

"Metals Quality Control Report"

Parameter:	BORON	CHROMIUM	MANGANESE	SODIUM	NICKEL
Batch Id:	O0W171	H0W171	G0W171	10W171	E0W171
Blank Result:	<0.09	<0.01	<0.01	<0.2	<0.02
Anal. Method:	200.7	200.7	200.7	200.7	200.7
Prep. Method:	EPA 600	EPA 600	EPA 600	EPA 600	EPA 600
Analysis Date:	08-AUG-95	08-AUG-95	08-AUG-95	08-AUG-95	08-AUG-95
Prep. Date:	07-AUG-95	07-AUG-95	07-AUG-95	07-AUG-95	07-AUG-95
Sample Duplication					
Sample Dup:	507553-2	507553-2	507553-2	507553-2	507553-2
Rept Limit:	<0.09	<0.01	<0.01	<0.2	<0.02
Sample Result:	2.1	2.0	2.0	63	2.0
Dup Result:	2.1	2.0	2.0	65	2.0
Sample RPD:	0	0	0	3	0
Max RPD:	20	20	20	20	20
Dry Weight%	N/A	N/A	N/A	N/A	N/A
Matrix Spike					
Sample Spiked:	507553-2	507553-2	507553-2	507553-2	507553-2
Rept Limit:	<0.09	<0.01	<0.01	<0.2	<0.02
Sample Result:	<0.09	<0.01	<0.01	41	<0.02
Spiked Result:	2.1	2.0	2.0	63	2.0
Spike Added:	2.0	2.0	2.0	20	2.0
% Recovery:	105	100	100	110	100
% Rec Limits:	75-125	75-125	75-125	75-125	75-125
Dry Weight%	N/A	N/A	N/A	N/A	N/A
ICV					
ICV Result:	5.1	4.9	4.9	10	4.9
True Result:	5.0	5.0	5.0	10	5.0
% Recovery:	102	98	98	100	98
% Rec Limits:	90-110	90-110	90-110	90-110	90-110
LCS					
LCS Result:	2.1	2.1	2.1	24	2.0
True Result:	2.0	2.0	2.0	20	2.0
% Recovery:	105	105	105	120	100
% Rec Limits:	80-120	80-120	80-120	80-120	80-120

Analytical Technologies, Inc.

"Quality Control Comments"

Batch Id:	Comments:
O0W171	ANALYST: JMP
O0W171	The results reported under "Sample Duplication" are the MS/MSD.
H0W171	ANALYST: JMP
H0W171	The results reported under "Sample Duplication" are the MS/MSD.
G0W171	ANALYST: JMP
G0W171	The results reported under "Sample Duplication" are the MS/MSD.
10W171	ANALYST: JMP
10W171	The results reported under "Sample Duplication" are the MS/MSD.
E0W171	ANALYST: JMP
E0W171	The results reported under "Sample Duplication" are the MS/MSD.

Analytical Technologies, Inc.

----- Common Footnotes Metals -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
N/D = NOT DETECTED.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DIGESTION) SPIKE IS REPORTED DUE TO PERCENT RECOVERY BEING OUTSIDE ACCEPTANCE LIMITS ON THE MATRIX (PRE-DIGESTION) SPIKE.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE. (DILUTION PRIOR TO ANALYSIS)
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX. (DILUTION PRIOR TO DIGESTION)
P = ANALYTICAL (POST DIGESTION) SPIKE.
I = DUPLICATE INJECTION.
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW THE REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL". SAMPLE IS NON-HOMOGENEOUS.
J = (FLORIDA DEP 'J' FLAG) - MATRIX SPIKE AND POST SPIKE RECOVERY IS OUT OF THE ACCEPTABLE RANGE. SEE OUT OF CONTROL EVENTS FORM.
S = METHOD OF STANDARD ADDITIONS (MSA) WAS PERFORMED ON THIS SAMPLE.

FROM ANALYSIS REPORT:
RL= REPORTING LIMIT BASED ON METHOD DETECTION LIMIT STUDIES.
Q= QUALIFIER (FOOTNOTE)

FROM QUALITY CONTROL REPORT:
RPD= RELATIVE PERCENT DEVIATION.
RPT LIMIT= REPORTING LIMIT BASED ON METHOD DETECTION LIMIT STUDIES.

NOTE: THE UNITS REPORTED ON THE QUALITY CONTROL REPORT ARE REPORTED ON AN AS RUN BASIS.

SW-846, 3rd Edition, September 1986 and Revision 1, July 1992.
EPA 600/4-79-020, Revised March 1983.
NIOSH Manual of Analytical Methods, 3rd Edition.

GJ = GARY JACOBS
JLH = JAMES L. HERED
JR = JOHN REED
JMP = JACQUELINE M. PRICE

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: Sparton -- 508306
Lab Sample ID: 95-08-014-01

Sample ID: 508306-01

Date Collected: 08/01/95
Date Analyzed: 08/09/95

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	29	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	2 J	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	9	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	410 E	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	96	76 - 114
Toluene-d8	104	88 - 110
Bromofluorobenzene	106	86 - 115

ND = Not Detected
J = Estimated value, analyte found below detection limit
E = Exceeds calibration range, see dilution

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: Sparton -- 508306
Lab Sample ID: 95-08-014-01 DL

Sample ID: 508306-01 DL

Date Collected: 08/01/95
Date Analyzed: 08/09/95

Sample Matrix: Water
Sample Volume: 1 mL

Analyte	Results (ug/L)	Detection Limit (ug/L)
Chloromethane	ND	50
Bromomethane	ND	50
Vinyl chloride	ND	50
Chloroethane	ND	50
Methylene chloride	ND	25
Acetone	ND	50
Carbon disulfide	ND	25
1,1-Dichloroethene	27	25
1,1-Dichloroethane	ND	25
cis-1,2-Dichloroethene	ND	25
trans-1,2-Dichloroethene	ND	25
Chloroform	ND	25
1,2-Dichloroethane	ND	25
2-Butanone	ND	50
1,1,1-Trichloroethane	9 J	25
Carbon tetrachloride	ND	25
Vinyl acetate	ND	50
Bromodichloromethane	ND	25
1,2-Dichloropropane	ND	25
cis-1,3-Dichloropropene	ND	25
Trichloroethene	470	25
Dibromochloromethane	ND	25
1,1,2-Trichloroethane	ND	25
Benzene	ND	25
trans-1,3-Dichloropropene	ND	25
Bromoform	ND	25
2-Hexanone	ND	50
4-Methyl-2-pentanone	ND	50
Tetrachloroethene	ND	25
1,1,2,2-Tetrachloroethane	ND	25
Toluene	ND	25
Chlorobenzene	ND	25
Ethylbenzene	ND	25
Styrene	ND	25
Total Xylenes	ND	25

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
1,2-Dichloroethane-d4	99	76 - 114
Toluene-d8	103	88 - 110
Bromofluorobenzene	106	86 - 115

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

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: Sparton -- 508306
Lab Sample ID: 95-08-014-02

Sample ID: 508306-02

Date Collected: 08/01/95
Date Analyzed: 08/09/95

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	17 B	5
Acetone	ND	10
Carbon disulfide	ND	5
1,1-Dichloroethene	43	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	2 J	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	52	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	440 E	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	91	76 - 114
Toluene-d8	109	88 - 110
Bromofluorobenzene	100	86 - 115

ND = Not Detected
B = Analyte found in Blank
J = Estimated value, analyte found below detection limit
E = Exceeds calibration range, see dilution

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Sample ID

508306-02 DL

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: Sparton -- 508306
Lab Sample ID: 95-08-014-02 DL

Date Collected: 08/01/95
Date Analyzed: 08/09/95

Sample Matrix: Water
Sample Volume: 0.5 mL

Analyte	Results (ug/L)	Detection Limit (ug/L)
Chloromethane	ND	100
Bromomethane	ND	100
Vinyl chloride	ND	100
Chloroethane	ND	100
Methylene chloride	ND	50
Acetone	ND	100
Carbon disulfide	ND	50
1,1-Dichloroethene	34 J	50
1,1-Dichloroethane	ND	50
cis-1,2-Dichloroethene	ND	50
trans-1,2-Dichloroethene	ND	50
Chloroform	ND	50
1,2-Dichloroethane	ND	50
2-Butanone	ND	100
1,1,1-Trichloroethane	57	50
Carbon tetrachloride	ND	50
Vinyl acetate	ND	100
Bromodichloromethane	ND	50
1,2-Dichloropropane	ND	50
cis-1,3-Dichloropropene	ND	50
Trichloroethene	490	50
Dibromochloromethane	ND	50
1,1,2-Trichloroethane	ND	50
Benzene	ND	50
trans-1,3-Dichloropropene	ND	50
Bromoform	ND	50
2-Hexanone	ND	100
4-Methyl-2-pentanone	ND	100
Tetrachloroethene	ND	50
1,1,2,2-Tetrachloroethane	ND	50
Toluene	ND	50
Chlorobenzene	ND	50
Ethylbenzene	ND	50
Styrene	ND	50
Total Xylenes	ND	50

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
1,2-Dichloroethane-d4	98	76 - 114
Toluene-d8	104	88 - 110
Bromofluorobenzene	104	86 - 115

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

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: Sparton -- 508306
Lab Sample ID: 95-08-014-03

Sample ID: 508306-03

Date Collected: 08/01/95
Date Analyzed: 08/09/95

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	210 E	5
1,1-Dichloroethane	3 J	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	4 J	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	1400 E	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	1900 E	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	7	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	69	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	96	76 - 114
Toluene-d8	106	88 - 110
Bromofluorobenzene	109	86 - 115

ND = Not Detected
J = Estimated value, analyte found below detection limit
E = Exceeds calibration range, see dilution

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: Sparton -- 508306
Lab Sample ID: 95-08-014-03 DL

Sample ID: 508306-03 DL

Date Collected: 08/01/95
Date Analyzed: 08/11/95

Sample Matrix: Water
Sample Volume: 0.1 mL

Analyte	Results (ug/L)	Detection Limit (ug/L)
Chloromethane	ND	500
Bromomethane	ND	500
Vinyl chloride	ND	500
Chloroethane	ND	500
Methylene chloride	840 B	250
Acetone	ND	500
Carbon disulfide	ND	250
1,1-Dichloroethene	280	250
1,1-Dichloroethane	ND	250
cis-1,2-Dichloroethene	ND	250
trans-1,2-Dichloroethene	ND	250
Chloroform	ND	250
1,2-Dichloroethane	ND	250
2-Butanone	ND	500
1,1,1-Trichloroethane	2700	250
Carbon tetrachloride	ND	250
Vinyl acetate	ND	500
Bromodichloromethane	ND	250
1,2-Dichloropropane	ND	250
cis-1,3-Dichloropropene	ND	250
Trichloroethene	9100	250
Dibromochloromethane	ND	250
1,1,2-Trichloroethane	ND	250
Benzene	ND	250
trans-1,3-Dichloropropene	ND	250
Bromoform	ND	250
2-Hexanone	ND	500
4-Methyl-2-pentanone	ND	500
Tetrachloroethene	84 J	250
1,1,2,2-Tetrachloroethane	ND	250
Toluene	ND	250
Chlorobenzene	ND	250
Ethylbenzene	ND	250
Styrene	ND	250
Total Xylenes	ND	250

SURROGATE RECOVERIES

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

ND = Not Detected
B = Analyte found in Blank
J = Estimated value, analyte found below detection limit
DL = Dilution

Analytical Technologies, Inc.

VOLATILE ORGANICS

Modified Method 8240

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: Sparton -- 508306
Lab Sample ID: 95-08-014-04

Sample ID: 508306-04

Date Collected: 07/24/95
Date Analyzed: 08/09/95

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	22	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	96	76 - 114
Toluene-d8	102	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: Sparton -- 508306
Lab Sample ID: WRB1 08/09/95

Sample ID: **Reagent Blank**

Date Collected: N/A
Date Analyzed: 08/09/95

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	4 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	96	76 - 114
Toluene-d8	102	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: Sparton -- 508306
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 MATRIX SPIKE RECOVERY

Modified Method 8240

Sample ID

In House

Lab Name: Analytical Technologies, Inc.
Client Name: ATI-NM
Client Project ID: Sparton -- 508306
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: Sparton -- 508306
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

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

CHAIN OF CUSTODY

DATE: 8-1-95 PAGE 1 OF 1

ATI LAB I.D. No 5088 508308 AP 8/1

PLEASE FILL THIS FORM ONLY AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: John M. Wakefield

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

BILL TO: "
COMPANY: "
ADDRESS: 4901 Rockaway Blvd. SE
Mailing 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, Ma, 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-14	8-1-95	1331	Aq.	-01					X	X				X	X				X		X	X											11
MW-9	"	1338	"	-02					X	X				X	X				X		X	X											11
	"	1416	"	-03					X	X				X	X				X		X	X											11
	7-24-95	1415	Aq	-04															X														1

NFORMATION

195

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

SAMPLE RECEIPT	
NO. CONTAINERS	34
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:
CofC Seals on Cooler

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1500	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date: 8-1-95	Printed Name: Peter H. Metzner Date: 8-1-95	Printed Name: Date:
Company: SJI Phone: 892-5300	Company: Metric Corp.	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY:(LAB) 3.
Signature: [signature] Time: 1500	Signature: Time:	Signature: [signature] Time: 1545
Printed Name: Peter H. Metzner Date: 8-1-95	Printed Name: Date:	Printed Name: Andrew Porter Date: 8/1/95
Company: Metric Corp.	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

Chain of Custody

DATE 8/1 PAGE 1 OF 1

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

COMPANY: Analytical Technologies, Inc.

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

ATI-SD: These TOX samples send to us by mistake, we don't do TOX/water. Thanks Bob E. SC Lab,

CLIENT PROJECT MANAGER: KMcNall Returned per L. Perzan 8/7/95.

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)	E.C., Cl, SO4	332/632 MOD	619/619 MOD	610/8310	TKN, NO3	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 - O2, CO2, 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																	
-																																		

004561

PROJECT INFORMATION	
PROJECT NUMBER:	508306
PROJECT NAME:	SPARTON
QC LEVEL:	(STD) IV
QC (REQUIRED):	MS MSD BLANK
TAT:	(STANDARD) RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	6
CHAIN OF CUSTODY SEALS	N
INTACT?	NA
RECEIVED GOOD COND./COLD	Y/6.0°
LAB NUMBER	508085

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

DUE DATE: 8/14
RUSH SURCHARGE: 0
CLIENT DISCOUNT: 10 %

DO NOT ROUTE TO PHOENIX

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: KMcNall Time: 5:10	Signature: Time:
Printed Name: KMcNeill Date: 8/1/95	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Suzanne Fox Time: 0743
Printed Name: Date:	Printed Name: Suzanne Fox Date: 8-2-95
Company:	Company: ATI-Pensacola

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody 95-08014

DATE 8/1/95 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: KDMcNeill

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
508306-01	8/1/95	1331	AQ	01															X															
-02	8/1/95	1338	↓	02															X															
-03	8/1/95	1416	↓	03															X															
-04	7/24/95	1415	↓	04															X															

004562

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER:	508306	TOTAL NUMBER OF CONTAINERS	10
PROJECT NAME:	SPARTON	CHAIN OF CUSTODY SEALS	Y
QC LEVEL:	(STD) IV	INTACT?	Y
(QC REQUIRED)	MS MSD BLANK	RECEIVED GOOD COND./COLD	Y
TAT:	(STANDARD) RUSH!	LAB NUMBER	95-08-014

DUE DATE: 8/15
RUSH SURCHARGE: 0
CLIENT DISCOUNT: 10 %

DO NOT ROUTE TO PHOENIX

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: KDMcNeill Time: 5:00	Signature: Time:
Printed Name: KD McNeill Date: 8/1/95	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company: Fedex
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 9:00
Printed Name: Date:	Printed Name: D. Hull Date: 8/2/95
Company: Fedex	Company: ATI LO

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

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.

Kimberly D. McNeill
Project Manager

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

Sample ID

Reagent Blank

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

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)
Client : Analytical Technologies, Inc.
Project No. : 508313
Project Name : Sparton Tech/AGMP-3Q95

ATI I.D. : 508061

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, Mn, Na, K, Ca, Mg AP 8/2	Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GCMS (624/8240)	TOC / TOX AP 8/2	NACE	ASBESTOS		BOD	TOTAL COLIFORM	FECAL COLIFORM		GROSS ALPHA/BETA	RADIUM 225/228		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

004630

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	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

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 Waterfield

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	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											10
~~[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											11

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

SAMPLED & RELINQUISHED BY: 1

Signature: [signature] Time: 1138
Printed Name: John M. Waterfield 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 Walker Date: 8/2/95
Analytical Technologies, Inc.

004631

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	8, Mn, Ni, Na, Cr+3	8240 TCLP 1311 ZHE	Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GCMS (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

004632

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 Gandolfi Time: 11:23	Signature: Time:
Printed Name: Jerome Gandolfi 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

DATE: 8-2-95 PAGE 1 OF 1

508313

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), 522.2 Reg. & Unreg.	TKN NO3	B Mn Ni Na Cr3	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (524/8240)	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
~~[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	7-29-95	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: Col C Seals on Cooler

D04633

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 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: 1220

Printed Name: Melissa Barker Date: 8/2/95

Analytical Technologies, Inc.

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody

95.08.023 DATE 8/2 PAGE 1 OF 1

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

COMPANY: **Analytical Technologies, Inc.**

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

CLIENT PROJECT MANAGER: KM 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															3
-02	↓	0809	↓	02															X															3
-03		1016		03															X															3
-04		0945		04															X															3
-05		1102		05															X															3
-06	↓	1056		06															X															3
-07	7-24	1400	↓	07															X															1

004634

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	N/A
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 Parker 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: 900
Printed Name: Date:	Printed Name: D.Stell Date: 8/3/95
Company: Fedex	Company: ATI-co

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

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CHAIN OF CUSTODY

DATE: 8-2-95 PAGE 1 OF 1

ATI LAB I.D. 508313

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											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.: 43416-4-06
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

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 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: 1220
Printed Name: Andrew Parker Date: 8/2/95
Analytical Technologies, Inc.

004635

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 B96	↓	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.

004636

pas:mcdform (2/95)

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			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

004637

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.	RELINQUISHED BY: 2.
Signature: Andrew Parker Time: 1706	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: Time:	Signature: Time: 09:00
Printed Name: Date:	Printed Name: Lisa Tucker Date: 8-4-95
Company:	Company: ATI-SD

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

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

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	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										
[redacted] MW-21	"	0945	"	-04					X	X				X	X				X		X	X										
[redacted] 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										

004638

PROJECT INFORMATION

PROJ. NO.: 050195
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

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: 12:0
Printed Name: Andrew Parker Date: 8/2/95
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

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE 8/1 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: KD McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)	EC, Cl, SO4	632/632 MOD	619/619 MOD	610/8310	TKN, NO3	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 - O2, CO2, 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																	
-																																		

004639

PROJECT INFORMATION	
PROJECT NUMBER:	508306
PROJECT NAME:	SPARTON
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	

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 McNeill Time: 510	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

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

SECTION 12

FOURTH QUARTER, 1995

LABORATORY REPORT

AGMP 4Q95 Rec 11-8-95
mw-19, 20, 9, 16, 22, 15, TB, FB
and mw-14 8010 results.

AnalyticalTechnologies, Inc.

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

ATI I.D. **510336**

November 6, 1995

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

Project Name/Number: AGMP-4Q95 101195-A

Attention: John M. Wakefield

On **10/11/95**, 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.

EPA method 8010 and pH (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.

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

AnalyticalTechnologies,Inc.

CLIENT	: SPARTON TECHNOLOGY INC.	DATE RECEIVED	: 10/11/95
PROJECT #	: 101195-A		
PROJECT NAME	: AGMP-4Q95	REPORT DATE	: 11/06/95

ATI ID: 510336

	ATI SAN DIEGO ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	510336-01	MW-14	AQUEOUS	10/10/95
02	510336-02	MW-20	AQUEOUS	10/11/95
03	510336-03	MW-19	AQUEOUS	10/11/95
04	510336-04	TRIP BLANK	AQUEOUS	10/04/95
05	510336-05	FIELD BLANK	AQUEOUS	10/11/95
06	510336-06	MW-9	AQUEOUS	10/11/95
07	510336-07	MW-16	AQUEOUS	10/11/95
08	510336-08	MW-22	AQUEOUS	10/11/95
09	510336-09	MW-15	AQUEOUS	10/11/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	9

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.

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.

ATI ACCESSSION #: 510336

METHOD	TEST	DATE ANALYZED	DETECTION LIMIT	ANAYLST INITIALS
150.1	pH	10/11/95	-	DJ
9050	Electric Conductivity	10/13/95	20 umhos/cm	CW/MM
8010	Chlorinated Hydrocarbons	10/18/95 10/19/95 10/21/95	see appended page	JE
415.2	Total Organic Carbon	10/16/95	0.5 mg/l	MH
9020	Total Organic Halide	10/16/95	0.008 mg/l 0.04 mg/l (sample 05) 0.08 mg/l (samples 06,07)	MH

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 510336

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
1X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	0.2
BROMOFORM	0.5
BROMOMETHANE	1.0
CARBON TETRACHLORIDE	0.2
CHLOROBENZENE	0.5
CHLOROETHANE	0.5
CHLOROFORM	0.5
CHLOROMETHANE	1.0
DIBROMOCHLOROMETHANE	0.2
1,2-DIBROMOETHANE (EDB)	0.2
1,2-DICHLOROBENZENE	0.5
1,3-DICHLOROBENZENE	0.5
1,4-DICHLOROBENZENE	0.5
1,1-DICHLOROETHANE	0.2
1,2-DICHLOROETHANE (EDC)	0.5
1,1-DICHLOROETHENE	0.2
CIS-1,2-DICHLOROETHENE	0.2
TRANS-1,2-DICHLOROETHENE	1.0
1,2-DICHLOROPROPANE	0.2
CIS-1,3-DICHLOROPROPENE	0.2
TRANS-1,3-DICHLOROPROPENE	0.2
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	0.2
TETRACHLOROETHENE	0.5
1,1,1-TRICHLOROETHANE	1.0
1,1,2-TRICHLOROETHANE	0.2
TRICHLOROETHENE	0.2
TRICHLOROFLUOROMETHANE	0.2
VINYL CHLORIDE	0.5

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 510336

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
5X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	1.0
BROMOFORM	2.5
BROMOMETHANE	5.0
CARBON TETRACHLORIDE	1.0
CHLOROBENZENE	2.5
CHLOROETHANE	2.5
CHLOROFORM	2.5
CHLOROMETHANE	5.0
DIBROMOCHLOROMETHANE	1.0
1,2-DIBROMOETHANE (EDB)	1.0
1,2-DICHLOROBENZENE	2.5
1,3-DICHLOROBENZENE	2.5
1,4-DICHLOROBENZENE	2.5
1,1-DICHLOROETHANE	1.0
1,2-DICHLOROETHANE (EDC)	2.5
1,1-DICHLOROETHENE	1.0
CIS-1,2-DICHLOROETHENE	1.0
TRANS-1,2-DICHLOROETHENE	5.0
1,2-DICHLOROPROPANE	1.0
CIS-1,3-DICHLOROPROPENE	1.0
TRANS-1,3-DICHLOROPROPENE	1.0
METHYLENE CHLORIDE	10
1,1,2,2-TETRACHLOROETHANE	1.0
TETRACHLOROETHENE	2.5
1,1,1-TRICHLOROETHANE	5.0
1,1,2-TRICHLOROETHANE	1.0
TRICHLOROETHENE	1.0
TRICHLOROFLUOROMETHANE	1.0
VINYL CHLORIDE	2.5

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 510336

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
10X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	2.0
BROMOFORM	5.0
BROMOMETHANE	10.0
CARBON TETRACHLORIDE	2.0
CHLOROBENZENE	5.0
CHLOROETHANE	5.0
CHLOROFORM	5.0
CHLOROMETHANE	10.0
DIBROMOCHLOROMETHANE	2.0
1,2-DIBROMOETHANE (EDB)	2.0
1,2-DICHLOROBENZENE	5.0
1,3-DICHLOROBENZENE	5.0
1,4-DICHLOROBENZENE	5.0
1,1-DICHLOROETHANE	2.0
1,2-DICHLOROETHANE (EDC)	5.0
1,1-DICHLOROETHENE	2.0
CIS-1,2-DICHLOROETHENE	2.0
TRANS-1,2-DICHLOROETHENE	10.0
1,2-DICHLOROPROPANE	2.0
CIS-1,3-DICHLOROPROPENE	2.0
TRANS-1,3-DICHLOROPROPENE	20.0
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	2.0
TETRACHLOROETHENE	5.0
1,1,1-TRICHLOROETHANE	10.0
1,1,2-TRICHLOROETHANE	2.0
TRICHLOROETHENE	2.0
TRICHLOROFLUOROMETHANE	2.0
VINYL CHLORIDE	5.0

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 410466

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
50X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	10
BROMOFORM	25
BROMOMETHANE	50
CARBON TETRACHLORIDE	10
CHLOROBENZENE	25
CHLOROETHANE	25
CHLOROFORM	25
CHLOROMETHANE	50
DIBROMOCHLOROMETHANE	10
1,2-DIBROMOETHANE (EDB)	10
1,2-DICHLOROBENZENE	25
1,3-DICHLOROBENZENE	25
1,4-DICHLOROBENZENE	25
1,1-DICHLOROETHANE	10
1,2-DICHLOROETHANE (EDC)	25
1,1-DICHLOROETHENE	10
CIS-1,2-DICHLOROETHENE	10
TRANS-1,2-DICHLOROETHENE	50
1,2-DICHLOROPROPANE	10
CIS-1,3-DICHLOROPROPENE	10
TRANS-1,3-DICHLOROPROPENE	10
METHYLENE CHLORIDE	100
1,1,2,2-TETRACHLOROETHANE	10
TETRACHLOROETHENE	25
1,1,1-TRICHLOROETHANE	50
1,1,2-TRICHLOROETHANE	10
TRICHLOROETHENE	10
TRICHLOROFLUOROMETHANE	10
VINYL CHLORIDE	25

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 510336

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
500X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	100
BROMOFORM	250
BROMOMETHANE	500
CARBON TETRACHLORIDE	100
CHLOROBENZENE	250
CHLOROETHANE	250
CHLOROFORM	250
CHLOROMETHANE	500
DIBROMOCHLOROMETHANE	100
1,2-DIBROMOETHANE (EDB)	100
1,2-DICHLOROBENZENE	250
1,3-DICHLOROBENZENE	250
1,4-DICHLOROBENZENE	250
1,1-DICHLOROETHANE	100
1,2-DICHLOROETHANE (EDC)	250
1,1-DICHLOROETHENE	100
CIS-1,2-DICHLOROETHENE	100
TRANS-1,2-DICHLOROETHENE	500
1,2-DICHLOROPROPANE	100
CIS-1,3-DICHLOROPROPENE	100
TRANS-1,3-DICHLOROPROPENE	100
METHYLENE CHLORIDE	1000
1,1,2,2-TETRACHLOROETHANE	100
TETRACHLOROETHENE	250
1,1,1-TRICHLOROETHANE	500
1,1,2-TRICHLOROETHANE	100
TRICHLOROETHENE	100
TRICHLOROFLUOROMETHANE	100
VINYL CHLORIDE	250

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 510336
PROJECT #	: 101195-A	DATE RECEIVED	: 10/11/95
PROJECT NAME	: AGMP-4Q95	DATE ANALYZED	: 10/11/95

PARAMETER	UNITS	02	03	04	05
PH (150.1)	UNITS	7.21	7.19	7.13	6.66

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 510336
PROJECT #	: 101195-A	DATE RECEIVED	: 10/11/95
PROJECT NAME	: AGMP-4Q95	DATE ANALYZED	: 10/11/95

PARAMETER	UNITS	06	07	08	09
PH (150.1)	UNITS	7.37	7.35	7.42	7.68

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY INC. ATI I.D. : 510336
PROJECT # : 101195-A SAMPLE MATRIX : AQUEOUS
PROJECT NAME : AGMP-4Q95

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PH	UNITS	51033602	7.21	7.61	5.4	NA	NA	NA

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

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

AnalyticalTechnologies,Inc.

ANALYTICAL SCHEDULE

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 510336
Project Name: AGMP-4Q95

ATI I.D.: 510100

Analysis	Technique/Description
EPA 415.2 (TOTAL ORGANIC CARBON)	TOTAL ORGANIC CARBON ANALYZER
EPA 9020 (TOTAL ORGANIC HALIDE)	TOTAL ORGANIC HALIDE ANALYZER
EPA 9050 (ELECTRICAL CONDUCTIVITY)	ELECTRODE

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 510336
Project Name: AGMP-4Q95

ATI I.D.: 510100

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	510336-02	WATER	11-OCT-95	12-OCT-95
2	510336-03	WATER	11-OCT-95	12-OCT-95
3	510336-04 TRIP BLANK	WATER	11-OCT-95	12-OCT-95
4	510336-05	WATER	11-OCT-95	12-OCT-95
5	510336-06	WATER	11-OCT-95	12-OCT-95

Parameter	Units	1	2	3	4	5
ELECTRICAL CONDUCTIVITY	UMHOS/CM	666	721	<20	<20	832
TOTAL ORGANIC CARBON	MG/L	0.7	0.7	0.7	0.6	0.6
TOTAL ORGANIC HALIDES	MG/L	0.025	0.016	<0.008	<0.008	2.1

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 510336 ATI I.D.: 510100
Project Name: AGMP-4Q95

Sample #	Client ID	Matrix	Date Sampled	Date Received
6	510336-07	WATER	11-OCT-95	12-OCT-95
7	510336-08	WATER	11-OCT-95	12-OCT-95
8	510336-09	WATER	11-OCT-95	12-OCT-95

Parameter	Units	6	7	8
ELECTRICAL CONDUCTIVITY	UMHOS/CM	1400	696	616
TOTAL ORGANIC CARBON	MG/L	0.7	0.8	0.6
TOTAL ORGANIC HALIDES	MG/L	5.1	0.083	0.032

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

DUP/MS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 510336 ATI I.D. : 510100
Project Name: AGMP-4Q95

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
ELECTRICAL CONDUCTIVITY	510104-01	UMHOS/CM	629	633	1	N/A	N/A	N/A
TOTAL ORGANIC CARBON	510104-02	MG/L	0.6	0.6	0	20.0	20.0	97
TOTAL ORGANIC HALIDES	510100-04	MG/L	<0.008	<0.008	0	0.19	0.20	95

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

BLANK SPIKE

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 510336 ATI I.D. : 510100
Project Name: AGMP-4Q95

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
TOTAL ORGANIC CARBON	59689	MG/L	<0.5	20.8	20	104
TOTAL ORGANIC HALIDES	59432	MG/L	<0.008	0.098	0.10	98

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 510336
PROJECT # : 101195-A
PROJECT NAME : AGMP-4Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-14	AQUEOUS	10/10/95	NA	10/19/95	5
02	MW-20	AQUEOUS	10/11/95	NA	10/19/95	1
03	MW-19	AQUEOUS	10/11/95	NA	10/18/95	1

PARAMETER	UNITS	01	02	03
1,1-DICHLOROETHENE	UG/L	18	1.2	1.7
TRICHLOROETHENE	UG/L	470 D(50)	26 D(10)A	48 D(10)
SURROGATE:				
BROMOCHLOROMETHANE (%)		107	112	105

D(10)=DILUTED 10X, ANALYZED 10/18/95
D(10)A=DILUTED 10X, ANALYZED 10/19/95
D(50)=DILUTED 50X, ANALYZED 10/19/95

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 510336
PROJECT # : 101195-A
PROJECT NAME : AGMP-4Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	TRIP BLANK	AQUEOUS	10/04/95	NA	10/18/95	1
05	FIELD BLANK	AQUEOUS	10/11/95	NA	10/18/95	1
06	MW-9	AQUEOUS	10/11/95	NA	10/18/95	5

PARAMETER	UNITS	04	05	06
1,1-DICHLOROETHENE	UG/L	<0.2	<0.2	30
TRICHLOROETHENE	UG/L	<0.2	1.1	650 D(50)
SURROGATE:				
BROMOCHLOROMETHANE (%)		100	99	112

D(50)=DILUTED 50X, ANALYZED 10/21/95

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 510336
PROJECT # : 101195-A
PROJECT NAME : AGMP-4Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-16	AQUEOUS	10/11/95	NA	10/18/95	10
08	MW-22	AQUEOUS	10/11/95	NA	10/18/95	1
09	MW-15	AQUEOUS	10/11/95	NA	10/18/95	1

PARAMETER	UNITS	07	08	09
1,1-DICHLOROETHENE	UG/L	140	6.9	<0.2
TRICHLOROETHENE	UG/L	7400 D(500)	34 D(10)	15
SURROGATE:				
BROMOCHLOROMETHANE (%)		101	108	107

D(10)=DILUTED 10X, ANALYZED 10/18/95
D(500)=DILUTED 500X, ANALYZED 10/21/95

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 510336
BLANK I.D.	: 101795	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 101195-A	DATE ANALYZED	: 10/17/94
PROJECT NAME	: AGMP-4Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		108

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 510336
BLANK I.D.	: 102095B	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 101195-A	DATE ANALYZED	: 10/21/95
PROJECT NAME	: AGMP-4Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		105

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 510336
BLANK I.D.	: 101895	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 101195-A	DATE ANALYZED	: 10/18/95
PROJECT NAME	: AGMP-4Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		106

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 51033701	ATI I.D.	: 510336
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 101195-A	DATE ANALYZED	: 10/18/95
PROJECT NAME	: AGMP-4Q95	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 51033701	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
1,1-DICHLOROETHENE	<0.2	10	6.6	66	7.2	72	9
TRICHLOROETHENE	<0.2	10	10	100	11	110	10

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

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

DATE LISTING FOR INORGANICS FOR PROJECT ID ANATEC01 31-OCT-95
FOR ACCESSIONS RECEIVED WITHIN THE LAST 90 DAYS
ACCESSION # 510100

Project Id: ANATEC01 Proj Name : AGMP-4Q95
Proj Num : 510336 Accession : 510100

Test: EPA 415.2 (TOTAL ORGANIC CARBON)

ATI #	Matrix	Client ID	Sampled	Received	Analyzed	Prep Date
1	WATER	510336-02	11-OCT-95	12-OCT-95	16-OCT-95	N/A
2	WATER	510336-03	11-OCT-95	12-OCT-95	16-OCT-95	N/A
3	WATER	510336-04 TRIP BLANK	11-OCT-95	12-OCT-95	16-OCT-95	N/A
4	WATER	510336-05	11-OCT-95	12-OCT-95	16-OCT-95	N/A
5	WATER	510336-06	11-OCT-95	12-OCT-95	16-OCT-95	N/A
6	WATER	510336-07	11-OCT-95	12-OCT-95	16-OCT-95	N/A
7	WATER	510336-08	11-OCT-95	12-OCT-95	16-OCT-95	N/A
8	WATER	510336-09	11-OCT-95	12-OCT-95	16-OCT-95	N/A

Test: EPA 9020 (TOTAL ORGANIC HALIDE)

ATI #	Matrix	Client ID	Sampled	Received	Analyzed	Prep Date
1	WATER	510336-02	11-OCT-95	12-OCT-95	16-OCT-95	N/A
2	WATER	510336-03	11-OCT-95	12-OCT-95	16-OCT-95	N/A
3	WATER	510336-04 TRIP BLANK	11-OCT-95	12-OCT-95	16-OCT-95	N/A
4	WATER	510336-05	11-OCT-95	12-OCT-95	16-OCT-95	N/A
5	WATER	510336-06	11-OCT-95	12-OCT-95	16-OCT-95	N/A
6	WATER	510336-07	11-OCT-95	12-OCT-95	16-OCT-95	N/A
7	WATER	510336-08	11-OCT-95	12-OCT-95	16-OCT-95	N/A
8	WATER	510336-09	11-OCT-95	12-OCT-95	16-OCT-95	N/A

Test: EPA 9050 (ELECTRICAL CONDUCTIVITY)

ATI #	Matrix	Client ID	Sampled	Received	Analyzed	Prep Date
1	WATER	510336-02	11-OCT-95	12-OCT-95	13-OCT-95	N/A
2	WATER	510336-03	11-OCT-95	12-OCT-95	13-OCT-95	N/A
3	WATER	510336-04 TRIP BLANK	11-OCT-95	12-OCT-95	13-OCT-95	N/A
4	WATER	510336-05	11-OCT-95	12-OCT-95	13-OCT-95	N/A
5	WATER	510336-06	11-OCT-95	12-OCT-95	13-OCT-95	N/A
6	WATER	510336-07	11-OCT-95	12-OCT-95	13-OCT-95	N/A
7	WATER	510336-08	11-OCT-95	12-OCT-95	13-OCT-95	N/A
8	WATER	510336-09	11-OCT-95	12-OCT-95	13-OCT-95	N/A

AGMP 4Q95
MW-21, 14, TB Rec. 11-8-95
MW-14's 8010 Results on
ATI # 101195-A report 4095

AnalyticalTechnologies,Inc.

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

ATI I.D. **510332**

November 3, 1995

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

Project Name/Number: AGMP-4Q95 101095-A

Attention: John M. Wakefield

On **10/10/95**, 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.

EPA method pH (150.1) and 8010 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.

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

AnalyticalTechnologies,Inc.

CLIENT : SPARTON TECHNOLOGY INC. DATE RECEIVED : 10/10/95

PROJECT # : 101095-A

PROJECT NAME : AGMP-4Q95 REPORT DATE : 11/03/95

ATI ID: 510332

	ATI ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	510332-01	MW-21	AQUEOUS	10/10/95
02	510332-02	MW-14	AQUEOUS	10/10/95
03	510332-03	TRIP BLANK	AQUEOUS	10/04/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	3

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.

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.

ATI ACCESSSION #: 510332

Method	Test	Date Analyzed	Detection Limits	Analyst Initials
150.1	pH	10/10/95	-	DJ
9050	Electrical Conductivity	10/13/95	20 UMHOS/CM	MH
8010	Chlorinated Hydrocarbons	10/12/95 10/13/95 10/17/95	See appended page	JE
415.2	Total Organic Carbon	10/16/95	0.5 MG/L	MH
9020	Total Organic Halide	10/17/95	0.008 MG/L	MH

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 510332

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
1X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	0.2
BROMOFORM	0.5
BROMOMETHANE	1.0
CARBON TETRACHLORIDE	0.2
CHLOROBENZENE	0.5
CHLOROETHANE	0.5
CHLOROFORM	0.5
CHLOROMETHANE	1.0
DIBROMOCHLOROMETHANE	0.2
1,2-DIBROMOETHANE (EDB)	0.2
1,2-DICHLOROBENZENE	0.5
1,3-DICHLOROBENZENE	0.5
1,4-DICHLOROBENZENE	0.5
1,1-DICHLOROETHANE	0.2
1,2-DICHLOROETHANE (EDC)	0.5
1,1-DICHLOROETHENE	0.2
CIS-1,2-DICHLOROETHENE	0.2
TRANS-1,2-DICHLOROETHENE	1.0
1,2-DICHLOROPROPANE	0.2
CIS-1,3-DICHLOROPROPENE	0.2
TRANS-1,3-DICHLOROPROPENE	0.2
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	0.2
TETRACHLOROETHENE	0.5
1,1,1-TRICHLOROETHANE	1.0
1,1,2-TRICHLOROETHANE	0.2
TRICHLOROETHENE	0.2
TRICHLOROFLUOROMETHANE	0.2
VINYL CHLORIDE	0.5

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 510332

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
25X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	5.0
BROMOFORM	13
BROMOMETHANE	25
CARBON TETRACHLORIDE	5.0
CHLOROBENZENE	13
CHLOROETHANE	13
CHLOROFORM	13
CHLOROMETHANE	25
DIBROMOCHLOROMETHANE	5.0
1,2-DIBROMOETHANE (EDB)	5.0
1,2-DICHLOROBENZENE	13
1,3-DICHLOROBENZENE	13
1,4-DICHLOROBENZENE	13
1,1-DICHLOROETHANE	5.0
1,2-DICHLOROETHANE (EDC)	13
1,1-DICHLOROETHENE	5.0
CIS-1,2-DICHLOROETHENE	5.0
TRANS-1,2-DICHLOROETHENE	25
1,2-DICHLOROPROPANE	5.0
CIS-1,3-DICHLOROPROPENE	5.0
TRANS-1,3-DICHLOROPROPENE	5.0
METHYLENE CHLORIDE	50
1,1,2,2-TETRACHLOROETHANE	5.0
TETRACHLOROETHENE	13
1,1,1-TRICHLOROETHANE	25
1,1,2-TRICHLOROETHANE	5.0
TRICHLOROETHENE	5.0
TRICHLOROFLUOROMETHANE	5.0
VINYL CHLORIDE	13

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 510332
PROJECT #	: 101095-A	DATE RECEIVED	: 10/10/95
PROJECT NAME	: AGMP-4Q95	DATE ANALYZED	: 10/10/95

PARAMETER	UNITS	01	02
PH (150.1)	UNITS	7.27	7.75

AnalyticalTechnologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY INC. ATI I.D. : 510332
PROJECT # : 101095-A SAMPLE MATRIX : AQUEOUS
PROJECT NAME : AGMP-4Q95

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PH	UNITS	51033202	7.75	7.73	0.26	NA	NA	NA

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

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

AnalyticalTechnologies, Inc.

ANALYTICAL SCHEDULE

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 510332 ATI I.D.: 510104
Project Name: AGMP-4Q95

Analysis	Technique/Description
EPA 415.2 (TOTAL ORGANIC CARBON)	TOTAL ORGANIC CARBON ANALYZER
EPA 9020 (TOTAL ORGANIC HALIDE)	TOTAL ORGANIC HALIDE ANALYZER
EPA 9050 (ELECTRICAL CONDUCTIVITY)	ELECTRODE

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 510332 ATI I.D.: 510104
Project Name: AGMP-4Q95

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	510332-01	WATER	10-OCT-95	12-OCT-95
2	510332-02	WATER	10-OCT-95	12-OCT-95

Parameter	Units	1	2
ELECTRICAL CONDUCTIVITY	UMHOS/CM	629	768
TOTAL ORGANIC CARBON	MG/L	0.6	0.6
TOTAL ORGANIC HALIDES	MG/L	0.21	0.25

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

BLANK SPIKE

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 510332 ATI I.D. : 510104
Project Name: AGMP-4Q95

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
TOTAL ORGANIC CARBON	59689	MG/L	<0.5	20.8	20	104
TOTAL ORGANIC HALIDES	59469	MG/L	<0.008	0.10	0.10	100

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

DUP/MS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 510332 ATI I.D. : 510104
Project Name: AGMP-4Q95

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
ELECTRICAL CONDUCTIVITY	510104-01	UMHOS/CM	629	633	1	N/A	N/A	N/A
TOTAL ORGANIC CARBON	510104-02	MG/L	0.6	0.6	0	20.0	20.0	97
TOTAL ORGANIC HALIDES	510119-02	MG/L	<0.008	<0.008	0	0.19	0.20	95

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

INORGANICS FOR PROJECT ID ANATEC01
FOR ACCESSIONS RECEIVED WITHIN THE LAST 90 DAYS
ACCESSION # 510104

Project Id: ANATEC01 Proj Name : AGMP-4Q95
Proj Num : 510332 Accession : 510104

Test: EPA 415.2 (TOTAL ORGANIC CARBON)

ATI #	Matrix	Client ID	Sampled	Received	Analyzed	Prep Date
1	WATER	510332-01	10-OCT-95	12-OCT-95	16-OCT-95	N/A
2	WATER	510332-02	10-OCT-95	12-OCT-95	16-OCT-95	N/A

Test: EPA 9020 (TOTAL ORGANIC HALIDE)

ATI #	Matrix	Client ID	Sampled	Received	Analyzed	Prep Date
1	WATER	510332-01	10-OCT-95	12-OCT-95	17-OCT-95	N/A
2	WATER	510332-02	10-OCT-95	12-OCT-95	17-OCT-95	N/A

Test: EPA 9050 (ELECTRICAL CONDUCTIVITY)

ATI #	Matrix	Client ID	Sampled	Received	Analyzed	Prep Date
1	WATER	510332-01	10-OCT-95	12-OCT-95	13-OCT-95	N/A
2	WATER	510332-02	10-OCT-95	12-OCT-95	13-OCT-95	N/A

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 510332
PROJECT # : 101095-A
PROJECT NAME : AGMP-4Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-21	AQUEOUS	10/10/95	NA	10/12/95	1
03	TRIP BLANK	AQUEOUS	10/04/95	NA	10/12/95	1

PARAMETER	UNITS	01	03
1,1-DICHLOROETHENE	UG/L	12	<0.2
TRICHLOROETHENE	UG/L	280 D(25)	<0.2
SURROGATE:			
BROMOCHLOROMETHANE (%)		109	115

D(25)=DILUTED 25X, ANALYZED 10/13/95

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 510332
BLANK I.D.	: 101195B	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 101095-A	DATE ANALYZED	: 10/12/95
PROJECT NAME	: AGMP-4Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		113

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 510332
BLANK I.D.	: 101395	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 101095-A	DATE ANALYZED	: 10/13/95
PROJECT NAME	: AGMP-4Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		113

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 510332
BLANK I.D.	: 101695	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 101095-A	DATE ANALYZED	: 10/16/95
PROJECT NAME	: AGMP-4Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		110

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 51032701	ATI I.D.	: 510332
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 101095-A	DATE ANALYZED	: 10/12/95
PROJECT NAME	: AGMP-4Q95	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 51032701	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
1,1-DICHLOROETHENE	<0.2	10	8.0	80	7.6	76	5
TRICHLOROETHENE	<0.2	10	12	120	11	110	9

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

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

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

CHAIN OF CUSTODY

DATE: 10-10-95 PAGE 1 OF ~~2~~ 1

ATI LAB I.D. 510332

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

PROJECT MANAGER: John M. Wakefield

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

BILL TO: "
COMPANY: "
ADDRESS: 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	Specific Conductance	Chlorinated Hydrocarbons (8010) TCE, 11DCE	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	TOX	TOC	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)			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-21	10-10-95	1405	Aq.	-01					X	X	X			X	X																	9
MW-14	10-10-95	1403	Aq	-02					X	X	X			X	X																	9
Trip Blank	10-4-95		Aq	-03							X																					1

004684

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:	10095-A	NO. CONTAINERS	16
PROJ. NAME:	AGMP-4Q95	CUSTODY SEALS	Y / N / NA
P.O. NO.:		RECEIVED INTACT	Y
SHIPPED VIA:	Delivered	RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments: C of C Seals on Cooler

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: John M. Wakefield Time: 1500	Signature: Peter H. Metzner Time: 1545	Signature: Time:
Printed Name: John M. Wakefield Date:	Printed Name: Peter H. Metzner Date: 10-10-95	Printed Name: Date:
Company: STI Phone: 892-5300	Company: Metzrc Corp.	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Peter H. Metzner Time: 1500	Signature: Time:	Signature: Andrew Parker Time: 1550
Printed Name: Peter H. Metzner Date: 10-10-95	Printed Name: Date:	Printed Name: Andrew Parker Date: 10/10
Company: Metzrc Corp.	Company:	Analytical Technologies, Inc.

AnalyticalTechnologies, Inc. Albuquerque, NM

Chain of Custody

DATE 10/10 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	E.C		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
510332-01	10/10	1405	AQ	01	X	X								X																			2
-02	10/10	1403	AQ	02	X	X								X																			2

004685

PROJECT INFORMATION	
PROJECT NUMBER:	510332
PROJECT NAME:	JGMP-4995
QC LEVEL:	STD. IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	10
CHAIN OF CUSTODY SEALS	N
INTACT?	NA
RECEIVED GOOD COND./COLD	1/20°
LAB NUMBER	510104

DUE DATE: 10/20
RUSH SURCHARGE: Ø
CLIENT DISCOUNT: 10 %

~~DO NOT ROUTE TO PHOENIX~~

Iwo thcm990

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Andrew Parker Time: 1700	Signature: Time:
Printed Name: Andrew Parker Date 10/10	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 9:10
Printed Name: Date:	Printed Name: Lucio Mendez Date: 10/12/5
Company:	Company: ATI-SD.

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 510332
PROJECT # : 101095-A
PROJECT NAME : AGMP-4Q95

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-21	AQUEOUS	10/10/95	NA	10/12/95	1
03	TRIP BLANK	AQUEOUS	10/04/95	NA	10/12/95	1

PARAMETER	UNITS	01	03
BROMODICHLOROMETHANE	UG/L	<0.2	<0.2
BROMOFORM	UG/L	<0.5	<0.5
BROMOMETHANE	UG/L	<1.0	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2	<0.2
CHLOROBENZENE	UG/L	<0.5	<0.5
CHLOROETHANE	UG/L	<0.5	<0.5
CHLOROFORM	UG/L	<0.5	<0.5
CHLOROMETHANE	UG/L	<1.0	<1.0
DIBROMOCHLOROMETHANE	UG/L	0.2	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5	<0.5
1,1-DICHLOROETHANE	UG/L	<0.2	<0.2
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5	<0.5
1,1-DICHLOROETHENE	UG/L	12	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2
METHYLENE CHLORIDE	UG/L	<2.0	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2	<0.2
TETRACHLOROETHENE	UG/L	2.7	<0.5
1,1,1-TRICHLOROETHANE	UG/L	120 D(25)	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2 D(1)	<0.2
TRICHLOROETHENE	UG/L	280 D(25)	<0.2
TRICHLOROFLUOROMETHANE	UG/L	<0.2	<0.2
VINYL CHLORIDE	UG/L	<0.5	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)	109	115

D(25)=DILUTED 25X, ANALYZED 10/13/95
D(1)=DILUTED 1X, ANALYZED 10/17/95

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GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 510332
BLANK I.D.	: 101195B	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 101095-A	DATE ANALYZED	: 10/12/95
PROJECT NAME	: AGMP-4Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.2
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
SURROGATE:		
BROMOCHLOROMETHANE (%)		113

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GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 510332
BLANK I.D.	: 101395	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 101095-A	DATE ANALYZED	: 10/13/95
PROJECT NAME	: AGMP-4Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.2
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
SURROGATE:		
BROMOCHLOROMETHANE (%)		113

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GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 510332
BLANK I.D.	: 101695	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 101095-A	DATE ANALYZED	: 10/16/95
PROJECT NAME	: AGMP-4Q95	DIL. FACTOR	: 1

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.2
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
SURROGATE:		
BROMOCHLOROMETHANE (%)		110

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GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 51032701	ATI I.D.	: 510332
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 101095-A	DATE ANALYZED	: 10/12/95
PROJECT NAME	: AGMP-4Q95	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 51032701	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
CHLOROBENZENE	<0.5	10	11	110	10	100	10
1,1-DICHLOROETHENE	<0.2	10	8.0	80	7.6	76	5
TRICHLOROETHENE	<0.2	10	12	120	11	110	9

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

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