SPARTON

SPARTON TECHNOLOGY

CERTIFIED MAIL - RETURN RECEIPT REQUESTED P 902 671 521

February 21, 1995

FEB 1995
RECEIVED
HAZARDOUS WASTE PROGRAM

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: 1994 Annual Ground-Water Report

Dear Mr. Kern:

Enclosed is Sparton Technology's Inc. 1994 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 myself at (505) 892-5300. Thank you for your attention to this matter.

Sincerely,
SPARTON TECHNOLOGY, INC.

Richard D. Mico
Vice President and General Manager

Enclosure:

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

003919

Sparton Technology, Inc. □ 4901 Rockaway Blvd., SE □ Rio Rancho, NM 87124 □ P.O. Box 1784 □ Albuquerque, NM 87103 □ (505) 892-5300 □ FAX (505) 892-5515

FEB 1995
RECEIVED
HAZARDOUS WASTE
PROGRAM

SPARTON TECHNOLOGY, INC.

1994

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

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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 2-20-95 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)].

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

WELL NUMBER MW-9

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/27/94
PARAMETERS	UNITS	VALUE			
Elev. of G.Water	ft.	4974.38	4974.30	4975.55	4975.90
pH (Avg)	S.U.	7.69	7.90	7.24	7.70
Spec Cond (Avg)	umhos/cm	821	769	737	746
T.O.X. (Avg)	ug/1	640	590	570	510
T.O.C. (Avg)	mg/1	1	1	<1.0	3
Chloride	mg/1			16	
Iron	ug/1				
Manganese	ug/1			56	
Phenols	ug/1				
Sodium	mg/1			74.8	
Sulfate	mg/1			170	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-9

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/27/94
PARAMETERS	UNITS	VALUE			
1,1-Dichloroethene	ug/l	34	22	50	51
Trichloroethene	ug/l	790	740	750	750
1,1,1-Trichloroethane	ug/l			91	

DATE OF REPORT: 2/20/95 SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

b:asses.1/bas

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 1994

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 01/19/94 LABORATORY SAMPLE I.D. # 401345-04

TIME SAMPLED 1200 DATE RECEIVED BY LAB. 01/19/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.38	01/19/94
Well Casing Volume	-----	gal.	1.41	01/19/94
Pump Rate	-----	gal/min	0.06	01/19/94
Pump Period	74004	min.	82	01/19/94
Volume Evacuated	73675	gal.	4.6	01/19/94
Well Sampling Method	84077	---	BRDLP	01/19/94
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.	7.69	N/A	01/20/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	821	N/A	01/20/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	640	20	2/1/94 to 2/9/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	1	1.0	01/27/94	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
MW-9
PAGE 3

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

DATE OF THIS REPORT: 4-14-94

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	34	0.2	N/A	01/20/94	8010
TRICHLOROETHENE		UG/L	790	10	N/A	01/21/94	8010

N/A = Not Applicable

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 1994

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 04/06/94 LABORATORY SAMPLE I.D. # 404324-01

TIME SAMPLED 1138 DATE RECEIVED BY LAB. 04/06/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.30	04/06/94
Well Casing Volume	-----	gal.	1.39	04/06/94
Pump Rate	-----	gal/min	0.06	04/06/94
Pump Period	74004	min.	71	04/06/94
Volume Evacuated	73675	gal.	4.2	04/06/94
Well Sampling Method	84077	---	BRDLP	04/06/94
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.	7.90	N/A	04/07/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	769	N/A	04/07/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	590	20	04/19/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	1	1.0	04/11/94	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
MW-9
PAGE 3

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

DATE OF THIS REPORT: 06/10/94

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	22	5.0	N/A	04/19/94	8010
TRICHLOROETHENE		UG/L	740	5.0	N/A	04/19/94	8010

N/A = Not Applicable

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 1994

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 07/20/94 LABORATORY SAMPLE I.D. # 407382-02

TIME SAMPLED 0921 DATE RECEIVED BY LAB. 07/20/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4975.55	07/20/94
Well Casing Volume	-----	gal.	1.60	07/20/94
Pump Rate	-----	gal/min	0.09	07/20/94
Pump Period	74004	min.	55	07/20/94
Volume Evacuated	73675	gal.	5.0	07/20/94
Well Sampling Method	84077	---	BRDLP	07/20/94
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.	7.24	NA	07/22/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	737	1	07/27/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	570	20	08/02/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	08/01/94	
	00680	mg/1				415.2
	00680	mg/1				
	00680	mg/1				

GROUND WATER QUALITY PARAMETERS
MW-9
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	16	0.5	07/22/94	325.2
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	56	10	07/26/94	200.7/6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	74.8	0.1	07/27/94	200.7/6010
Sulfate	00945	mg/1	170	5	07/28/94	375.2
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10/13/94

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	50	25	N/A	07/31/94	8240
Trichloroethene		UG/L	750	25	N/A	07/31/94	8240
1,1,1-Trichloroethane		UG/L	91	25	N/A	07/31/94	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	<0.02 *1	0.02	N/A	07/21/94	7196
Chromium, Trivalent		MG/L	<0.02	0.02	N/A	08/04/94	7196
Chromium, Total		MG/L	<0.010	0.010	N/A	07/26/94	200.7/6010
Boron		MG/L	0.91	0.10	N/A	07/27/94	200.7/6010
Nickel		MG/L	<0.020	0.02	N/A	07/26/94	200.7/6010
Nitrate as N		MG/L	7.8	0.06	N/A	08/02/94	353.2
Kjeldahl Nitrogen		MG/L	0.90	0.10	N/A	08/02/94	351.2

*1 24 Hr holding time for hexavalent chromium analysis was exceeded for this sample.

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 1994

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 10/27/94 LABORATORY SAMPLE I.D. # 410466-01

TIME SAMPLED 1135 DATE RECEIVED BY LAB. 10/27/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4975.90	10/27/94
Well Casing Volume	-----	gal.	1.65	10/27/94
Pump Rate	-----	gal/min	0.10	10/27/94
Pump Period	74004	min.	52	10/27/94
Volume Evacuated	73675	gal.	5.0	10/27/94
Well Sampling Method	84077	---	BRDLP	10/27/94
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.	7.70	NA	10/31/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	746	1	11/02/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	510	20	11/10/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	3	1.0	11/11/94	
	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: 1/3/95

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	51	0.2	N/A	10/31/94	8010
Trichloroethene		UG/L	750	200	N/A	11/02/94	8010

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 5041.62 *3

SURVEYED MEASURING PT. ELEV 5041.91 *4

DATE OF REPORT 2-20-95 **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.

003940

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)].

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

WELL NUMBER MW-14

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/27/94
PARAMETERS	UNITS	VALUE			
Elev. of G.Water	ft.	4973.01	4973.26	4973.93	4973.76
pH (Avg)	S.U.	8.31	8.82	7.16	8.18
Spec Cond (Avg)	umhos/cm	678	706	793	823
T.O.X. (Avg)	ug/1	420	520	480	510
T.O.C. (Avg)	mg/1	1	<1.0	<1.0	3
Chloride	mg/1			44	
Iron	ug/1				
Manganese	ug/1			<10	
Phenols	ug/1				
Sodium	mg/1			66.8	
Sulfate	mg/1			180	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-14

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/27/94
PARAMETERS	UNITS	VALUE			
1,1-Dichloroethene	ug/l	27	19	34	50
Trichloroethene	ug/l	680	730	730	700
1,1,1-Trichloroethane	ug/l			<25	

DATE OF REPORT: 2/20/95 SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

b:asses.1/bas

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-14 SAMPLE COLLECTION BY John M. Wakefield

WELL DEPTH* 71.95 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 01/19/94 LABORATORY SAMPLE I.D. # 401345-03

TIME SAMPLED 1054 DATE RECEIVED BY LAB. 01/19/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.01	01/19/94
Well Casing Volume	-----	gal.	0.50	01/19/94
Pump Rate	-----	gal/min	0.07	01/19/94
Pump Period	74004	min.	24	01/19/94
Volume Evacuated	73675	gal.	1.6	01/19/94
Well Sampling Method	84077	---	BRDLP	01/19/94
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.	8.31	N/A	01/20/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	678	N/A	01/20/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	420	20	2/1/94 to 2/9/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	1	1.0	01/27/94	
	00680	mg/1				415.2
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 4-14-94

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	27	2.0	N/A	01/20/94	8010
TRICHLOROETHENE		UG/L	680	10	N/A	01/21/94	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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-14 SAMPLE COLLECTION BY John M. Wakefield

WELL DEPTH* 71.95 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 04/06/94 LABORATORY SAMPLE I.D. # 404324-03

TIME SAMPLED 1010 DATE RECEIVED BY LAB. 04/06/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.26	04/06/94
Well Casing Volume	-----	gal.	0.54	04/06/94
Pump Rate	-----	gal/min	0.08	04/06/94
Pump Period	74004	min.	24	04/06/94
Volume Evacuated	73675	gal.	1.8	04/06/94
Well Sampling Method	84077	---	BRDLP	04/06/94
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.	8.82	N/A	04/07/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	706	N/A	04/07/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	520	20	04/19/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	04/11/94	
	00680	mg/1				415.2
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 06/10/94

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	5.0	N/A	04/19/94	8010
TRICHLOROETHENE		UG/L	730	5.0	N/A	04/19/94	8010

N/A = Not Applicable

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-14 SAMPLE COLLECTION BY John M. Wakefield

WELL DEPTH* 71.95 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 07/20/94 LABORATORY SAMPLE I.D. # 407382-01

TIME SAMPLED 0910 DATE RECEIVED BY LAB. 07/20/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.93	07/20/94
Well Casing Volume	-----	gal.	0.65	07/20/94
Pump Rate	-----	gal/min	0.17	07/20/94
Pump Period	74004	min.	21	07/20/94
Volume Evacuated	73675	gal.	3.0	07/20/94
Well Sampling Method	84077	---	BRDLP	07/20/94
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.	7.16	NA	07/22/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	793	1	07/27/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	480	20	08/02/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	08/01/94	
	00680	mg/1				415.2
	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	44	0.5	07/22/94	325.2
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	<10	10	07/26/94	200.7/6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	66.8	0.1	07/27/94	200.7/6010
Sulfate	00945	mg/1	180	5	07/28/94	375.2
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10/13/94

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	34	25	N/A	07/31/94	8240
Trichloroethene		UG/L	730	25	N/A	07/31/94	8240
1,1,1-Trichloroethane		UG/L	12 J*1	25	N/A	07/31/94	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	0.6 *2	0.02	N/A	07/21/94	7196
Chromium, Trivalent		MG/L	<0.02	0.02	N/A	08/04/94	7196
Chromium, Total		MG/L	0.573	0.010	N/A	07/26/94	200.7/6010
Boron		MG/L	1.23	0.10	N/A	07/27/94	200.7/6010
Nickel		MG/L	<0.020	0.02	N/A	07/26/94	200.7/6010
Nitrate as N		MG/L	26	0.06	N/A	08/02/94	353.2
Kjeldahl Nitrogen		MG/L	<0.10	0.10	N/A	08/02/94	351.2

*1 J= Estimated Value, analyte detected below detection limit of 25 ppb
*2 24 Hr holding time for hexavalent chromium analysis was exceeded for this sample.

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 1994

EPA I.D. NUMBER NMD 083212332

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

WELL DEPTH* 78.35 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 10/27/94 LABORATORY SAMPLE I.D. # 410466-05

TIME SAMPLED 1543 DATE RECEIVED BY LAB. 10/27/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.76	10/27/94
Well Casing Volume	-----	gal.	0.62	10/27/94
Pump Rate	-----	gal/min	0.13	10/27/94
Pump Period	74004	min.	31	10/27/94
Volume Evacuated	73675	gal.	3.0	10/27/94
Well Sampling Method	84077	---	BRDLP	10/27/94
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.	8.18	NA	10/31/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	823	1	11/02/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	510	20	11/16/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	3	1.0	11/11/94	
	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: 1/3/95

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	50	0.2	N/A	11/01/94	8010
Trichloroethene		UG/L	700	10	N/A	11/01/94	8010

SECTION 3

MW-15

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-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 2-20-95 **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)].

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

WELL NUMBER MW-15

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/28/94
PARAMETERS	UNITS	VALUE			
Elev. of G.Water	ft.	4974.60	N/A*1	4975.18	4975.68
pH (Avg)	S.U.	7.79	N/A	8.1	7.8
Spec Cond (Avg)	umhos/cm	640	N/A	634	669
T.O.X. (Avg)	ug/1	45	N/A	50	70
T.O.C. (Avg)	mg/1	<1.0	N/A	<1.0	1
Chloride	mg/1			35	
Iron	ug/1				
Manganese	ug/1			<10	
Phenols	ug/1				
Sodium	mg/1			50.3	
Sulfate	mg/1			96	
Turbidity	NTU				

003961

*1 MW-15 not sampled in the 2nd Quarter, 1994 as the well was dry.

APPENDIX IX PARAMETERS
MW-15

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/28/94
PARAMETERS	**UNITS**	**VALUE**			
1,1-Dichloroethene	ug/l	1.8	N/A	2	0.8
Trichloroethene	ug/l	36	N/A	52	31
1,1,1-Trichloroethane	ug/l			15	

DATE OF REPORT: 2/20/95 SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

b:asses.1/bas

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-15 SAMPLE COLLECTION BY John M. Wakefield

WELL DEPTH* 73.17 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 01/19/94 LABORATORY SAMPLE I.D. # 401345-06

TIME SAMPLED 1202 DATE RECEIVED BY LAB. 01/19/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.60	01/19/94
Well Casing Volume	-----	gal.	0.04	01/19/94
Pump Rate	-----	gal/min	0.08	01/19/94
Pump Period	74004	min.	7	01/19/94
Volume Evacuated	73675	gal.	0.5	01/19/94
Well Sampling Method	84077	---	BRDLP	01/19/94
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.	7.79	N/A	01/20/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	640	N/A	01/20/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	45	20	2/1/94 to 2/9/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	01/27/94	
	00680	mg/1				415.2
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 4-14-94

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	1.8	0.2	N/A	01/20/94	8010
TRICHLOROETHENE		UG/L	36	0.2	N/A	01/20/94	8010

N/A = Not Applicable

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-15*1 SAMPLE COLLECTION BY N/A

WELL DEPTH*2 73.17 LABORATORY NAME N/A

DATE SAMPLED N/A LABORATORY SAMPLE I.D. # N/A

TIME SAMPLED N/A DATE RECEIVED BY LAB. N/A

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

*1 MW-15 was not sampled in the Second Quarter, 1994 as the well was dry.

003967

*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.	N/A	N/A	N/A	
	00400	S.U.				
	00400	S.U.				150.1
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	N/A	N/A	N/A	
	00095	umhos/cm				
	00095	umhos/cm				120.1
	00095	umhos/cm				
T.O.X.	70354	ug/1	N/A	N/A	N/A	
	70354	ug/1				
	70354	ug/1				9020M
	70354	ug/1				
T.O.C.	00680	mg/1	N/A	N/A	N/A	
	00680	mg/1				
	00680	mg/1				415.2
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 06/10/94

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	N/A*	N/A	N/A	N/A	N/A
TRICHLOROETHENE		UG/L	N/A*	N/A	N/A	N/A	N/A

* MW-15 not sampled, well dry.
N/A = Not Applicable

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-15 SAMPLE COLLECTION BY John M. Wakefield

WELL DEPTH* 73.17 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 07/20/94 LABORATORY SAMPLE I.D. # 407382-06

TIME SAMPLED 1311 DATE RECEIVED BY LAB. 07/20/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4975.18	07/20/94
Well Casing Volume	-----	gal.	0.14	07/20/94
Pump Rate	-----	gal/min	0.17	07/20/94
Pump Period	74004	min.	15	07/20/94
Volume Evacuated	73675	gal.	0.5	07/20/94
Well Sampling Method	84077	---	BRDLP	07/20/94
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.	8.1	NA	07/30/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	634	1	07/27/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	50	20	08/02/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	08/01/94	
	00680	mg/1				415.2
	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	35	0.5	07/22/94	325.2
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	<10	10	07/26/94	200.7/6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	50.3	0.1	07/27/94	200.7/6010
Sulfate	00945	mg/1	96	5	07/28/94	375.2
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10/13/94

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	07/31/94	8240
Trichloroethene		UG/L	52	1	N/A	07/31/94	8240
1,1,1-Trichloroethane		UG/L	15	1	N/A	07/31/94	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	<0.02	0.02	N/A	07/21/94	7196
Chromium, Trivalent		MG/L	<0.02	0.02	N/A	08/04/94	7196
Chromium, Total		MG/L	<0.010	0.010	N/A	07/26/94	200.7/6010
Boron		MG/L	0.15	0.10	N/A	07/27/94	200.7/6010
Nickel		MG/L	<0.020	0.02	N/A	07/26/94	200.7/6010
Nitrate as N		MG/L	4.3	0.06	N/A	08/02/94	353.2
Kjeldahl Nitrogen		MG/L	<0.10	0.10	N/A	08/02/94	351.2

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-15 SAMPLE COLLECTION BY John M. Wakefield

WELL DEPTH* 73.17 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 10/28/94 LABORATORY SAMPLE I.D. # 410471-02

TIME SAMPLED 1013 DATE RECEIVED BY LAB. 10/28/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4975.68	10/28/94
Well Casing Volume	-----	gal.	0.22	10/28/94
Pump Rate	-----	gal/min	0.04	10/28/94
Pump Period	74004	min.	28	10/28/94
Volume Evacuated	73675	gal.	0.82	10/28/94
Well Sampling Method	84077	---	BRDLP	10/28/94
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.	7.8	NA	10/31/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	669	1	11/02/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	70	20	11/16/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	1	1.0	11/11/94	
	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: 1/3/95

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	0.8	0.2	N/A	11/02/94	8010
Trichloroethene		UG/L	31	2.0	N/A	11/02/94	8010

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 2-20-95 **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)].

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

WELL NUMBER MW-16

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/28/94
PARAMETERS	UNITS	VALUE			
Elev. of G.Water	ft.	4979.77	4979.52	4980.44	4980.75
pH (Avg)	S.U.	7.51	7.48	7.54	7.55
Spec Cond (Avg)	umhos/cm	1290	1170	1340	1350
T.O.X. (Avg)	ug/1	8200	21300	10600	10200
T.O.C. (Avg)	mg/1	2	2	1	3
Chloride	mg/1			102	
Iron	ug/1				
Manganese	ug/1			20	
Phenols	ug/1				
Sodium	mg/1			94.1	
Sulfate	mg/1			230	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-16

PARAMETERS	UNITS	SAMPLE DATES 1/19/94	4/06/94	7/20/94	10/28/94
		VALUE			
1,1-Dichloroethene	ug/l	360	190	230 J	280
Trichloroethene	ug/l	12000	11000	11000	11000
1,1,1-Trichloroethane	ug/l			3700	
Tetrachloroethene				96 J	

J = Estimated Value analyte detected below detection limit of 400 ppb

DATE OF REPORT: 2/20/95 SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

003982

b:asses.1/bas

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-16 SAMPLE COLLECTION BY John M. Wakefield

WELL DEPTH* 71.52 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 01/19/94 LABORATORY SAMPLE I.D. # 401345-07

TIME SAMPLED 1306 DATE RECEIVED BY LAB. 01/19/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.77	01/19/94
Well Casing Volume	-----	gal.	0.62	01/19/94
Pump Rate	-----	gal/min	0.07	01/19/94
Pump Period	74004	min.	29	01/19/94
Volume Evacuated	73675	gal.	2.0	01/19/94
Well Sampling Method	84077	---	BRDLP	01/19/94
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.	7.51	N/A	01/20/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	1290	N/A	01/20/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	8200	20	2/1/94 to 2/9/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	2	1.0	01/27/94	
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 4-14-94

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	360	10	N/A	01/21/94	8010
TRICHLOROETHENE		UG/L	12000	200	N/A	01/21/94	8010

N/A = Not Applicable

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-16 SAMPLE COLLECTION BY John M. Wakefield

WELL DEPTH* 71.52 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 04/06/94 LABORATORY SAMPLE I.D. # 404324-06

TIME SAMPLED 1408 DATE RECEIVED BY LAB. 04/06/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.52	04/06/94
Well Casing Volume	-----	gal.	0.58	04/06/94
Pump Rate	-----	gal/min	0.03	04/06/94
Pump Period	74004	min.	77	04/06/94
Volume Evacuated	73675	gal.	2.1	04/06/94
Well Sampling Method	84077	---	BRDLP	04/06/94
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.	7.48	N/A	04/07/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	1170	N/A	04/07/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	21300	20	04/19/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	2	1.0	04/11/94	
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 06/10/94

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	190	100	N/A	04/19/94	8010
TRICHLOROETHENE		UG/L	11000	100	N/A	04/19/94	8010

N/A = Not Applicable

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-16 SAMPLE COLLECTION BY John M. Wakefield

WELL DEPTH* 71.52 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 07/20/94 LABORATORY SAMPLE I.D. # 407382-07

TIME SAMPLED 1433 DATE RECEIVED BY LAB. 07/20/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4980.44	07/20/94
Well Casing Volume	-----	gal.	0.74	07/20/94
Pump Rate	-----	gal/min	0.10	07/20/94
Pump Period	74004	min.	27	07/20/94
Volume Evacuated	73675	gal.	2.25	07/20/94
Well Sampling Method	84077	---	BRDLP	07/20/94
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.	7.54	NA	07/22/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	1340	1	07/27/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	10600	20	08/02/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	1	1.0	08/01/94	
	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	102	0.5	07/22/94	325.2
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	20	10	07/26/94	200.7/6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	94.1	0.1	07/27/94	200.7/6010
Sulfate	00945	mg/1	230	5	07/28/94	375.2
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10/13/94

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	230 J	400	N/A	07/31/94	8240
Trichloroethene		UG/L	11000	400	N/A	07/31/94	8240
1,1,1-Trichloroethane		UG/L	3700	400	N/A	07/31/94	8240
Tetrachloroethene		UG/L	96 J	400	N/A	07/31/94	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	0.4	0.02	N/A	07/21/94	7196
Chromium, Trivalent		MG/L	<0.02	0.02	N/A	08/04/94	7196
Chromium, Total		MG/L	0.376	0.010	N/A	07/26/94	200.7/6010
Boron		MG/L	2.71	0.10	N/A	07/27/94	200.7/6010
Nickel		MG/L	0.068	0.02	N/A	07/26/94	200.7/6010
Nitrate as N		MG/L	5.1	0.06	N/A	08/02/94	353.2
Kjeldahl Nitrogen		MG/L	73.3	0.10	N/A	08/02/94	351.2

J= Estimated Value, analyte detected below detection limit of 400 ppb

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 1994

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 10/28/94 LABORATORY SAMPLE I.D. # 410471-03

TIME SAMPLED 1103 DATE RECEIVED BY LAB. 10/28/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4980.75	10/28/94
Well Casing Volume	-----	gal.	0.78	10/28/94
Pump Rate	-----	gal/min	0.22	10/28/94
Pump Period	74004	min.	13	10/28/94
Volume Evacuated	73675	gal.	2.9	10/28/94
Well Sampling Method	84077	---	BRDLP	10/28/94
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.	7.55	NA	10/31/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	1350	1	11/02/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	10200	20	11/16/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	3	1	11/11/94	
	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: 1/3/95

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	10	N/A	11/02/94	8010
Trichloroethene		UG/L	11000	100	N/A	11/03/94	8010

SECTION 5

MW-19

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-19

WELL LOCATION (LONGITUDE) 106 39' 42.4'' *1

WELL LOCATION (LATITUDE) 35 11' 20.5'' *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 9/24/86

DRILLING METHOD HYDRT

INNER CASING DIAMETER 4.0

BOREHOLE DIAMETER 7.9

CASING MATERIAL PVC

METHOD OF DEVELOPMENT COMPR

ELEV BOTTOM OF BOREHOLE 4932.32

ELEV BOTTOM OF WELL CASING 4934.82

ELEV BOTTOM OF SCREENED INT 4934.82

ELEV OF TOP OF SCREENED INT 4944.82

SURVEYED ELEV OF CASING TOP 5045.48 *2

SURVEYED MEASURING PT. ELEV 5046.25 *3

DATE OF REPORT 2-20-95 **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)].

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

WELL NUMBER MW-19

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/27/94
PARAMETERS	UNITS	VALUE			
Elev. of G.Water	ft.	4973.44	4973.11	4973.93	4974.64
pH (Avg)	S.U.	7.23	7.54	7.16	7.53
Spec Cond (Avg)	umhos/cm	675	686	793	682
T.O.X. (Avg)	ug/1	52	80	480	80
T.O.C. (Avg)	mg/1	<1.0	<1.0	<1.0	1
Chloride	mg/1			44	
Iron	ug/1				
Manganese	ug/1			<10	
Phenols	ug/1				
Sodium	mg/1			66.8	
Sulfate	mg/1			180	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-19

PARAMETERS	UNITS	SAMPLE DATES 1/19/94	4/06/94	7/20/94	10/27/94
		VALUE			
1,1-Dichloroethene	ug/l	2.4	2.8	2 J	2.5
Trichloroethene	ug/l	48	81	61	47
1,1,1-Trichloroethane	ug/l			<4	

J = Estimated value analyte detected below detection limitof 4 ppb.

DATE OF REPORT: 2/20/95 SIGNATURE: [signature]

NAME (TYPED): John M. Wakefield

b:asses.1/bas

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 1994

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 01/19/94 LABORATORY SAMPLE I.D. # 401345-01

TIME SAMPLED 0934 DATE RECEIVED BY LAB. 01/19/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.44	01/19/94
Well Casing Volume	-----	gal.	25.21	01/19/94
Pump Rate	-----	gal/min	0.95	01/19/94
Pump Period	74004	min.	83	01/19/94
Volume Evacuated	73675	gal.	77	01/19/94
Well Sampling Method	84077	---	BRDLP	01/19/94
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.	7.23	N/A	01/20/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	675	N/A	01/20/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	52	20	2/1/94 to 2/9/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	01/27/94	
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 4-14-94

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	2.4	0.2	N/A	01/20/94	8010
TRICHLOROETHENE		UG/L	48	0.2	N/A	01/20/94	8010

N/A = Not Applicable

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 1994

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 04/06/94 LABORATORY SAMPLE I.D. # 404324-01

TIME SAMPLED 0900 DATE RECEIVED BY LAB. 04/06/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.11	04/06/94
Well Casing Volume	-----	gal.	25.00	04/06/94
Pump Rate	-----	gal/min	1.04	04/06/94
Pump Period	74004	min.	86	04/06/94
Volume Evacuated	73675	gal.	76.8	04/06/94
Well Sampling Method	84077	---	BRDLP	04/06/94
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.	7.54	N/A	04/07/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	686	N/A	04/07/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	80	20	04/19/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	04/11/94	
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 06/10/94

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	2.8	0.4	N/A	04/19/94	8010
TRICHLOROETHENE		UG/L	81	0.4	N/A	04/19/94	8010

N/A = Not Applicable

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 1994

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 07/20/94 LABORATORY SAMPLE I.D. # 407382-03

TIME SAMPLED 1125 DATE RECEIVED BY LAB. 07/20/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.27	07/20/94
Well Casing Volume	-----	gal.	25.75	07/20/94
Pump Rate	-----	gal/min	1.00	07/20/94
Pump Period	74004	min.	87	07/20/94
Volume Evacuated	73675	gal.	79.0	07/20/94
Well Sampling Method	84077	---	BRDLP	07/20/94
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.	7.26	NA	07/22/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	676	1	07/27/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	50	20	08/02/94	
	70354	ug/l				9020M
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	<1.0	1.0	08/01/94	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

GROUND WATER QUALITY PARAMETERS
MW-19
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	16	0.5	07/22/94	325.2
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	14	10	07/26/94	200.7/6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	57.9	0.1	07/27/94	200.7/6010
Sulfate	00945	mg/1	120	5	07/28/94	375.2
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10/13/94

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 J	4	N/A	07/31/94	8240
Trichloroethene		UG/L	61	4	N/A	07/31/94	8240
1,1,1-Trichloroethane		UG/L	<4	4	N/A	07/31/94	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	<0.02	0.02	N/A	07/21/94	7196
Chromium, Trivalent		MG/L	<0.02	0.02	N/A	08/04/94	7196
Chromium, Total		MG/L	<0.010	0.010	N/A	07/26/94	200.7/6010
Boron		MG/L	0.14	0.10	N/A	07/27/94	200.7/6010
Nickel		MG/L	<0.020	0.02	N/A	07/26/94	200.7/6010
Nitrate as N		MG/L	4.7	0.06	N/A	08/02/94	353.2
Kjeldahl Nitrogen		MG/L	0.15	0.10	N/A	08/02/94	351.2

J= Estimated Value, analyte detected below detection limit of 4 ppb

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 1994

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 10/27/94 LABORATORY SAMPLE I.D. # 410466-02

TIME SAMPLED 1348 DATE RECEIVED BY LAB. 10/27/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.64	10/27/94
Well Casing Volume	-----	gal.	25.99	10/27/94
Pump Rate	-----	gal/min	0.90	10/27/94
Pump Period	74004	min.	94	10/27/94
Volume Evacuated	73675	gal.	79	10/27/94
Well Sampling Method	84077	---	BRDLP	10/27/94
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.	7.53	NA	10/31/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	682	1	11/02/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	80	20	11/16/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	1	1.0	11/11/94	
	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: 1/3/95

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	2.5	0.2	N/A	10/31/94	8010
Trichloroethene		UG/L	47	2.0	N/A	11/01/94	8010

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 2-20-95 **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)].

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

WELL NUMBER MW-20

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/27/94
PARAMETERS	UNITS	VALUE			
Elev. of G.Water	ft.	4973.01	4972.93	4973.85	4974.29
pH (Avg)	S.U.	7.48	7.80	7.38	7.61
Spec Cond (Avg)	umhos/cm	594	571	610	644
T.O.X. (Avg)	ug/1	29	571	<20	40
T.O.C. (Avg)	mg/1	<1.0	<1.0	<1.0	3
Chloride	mg/1			24	
Iron	ug/1				
Manganese	ug/1			830	
Phenols	ug/1				
Sodium	mg/1			49.5	
Sulfate	mg/1			93	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-20

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/27/94
PARAMETERS	UNITS	VALUE			
1,1-Dichloroethene	ug/l	<0.2	<0.2	<1	1.1
Trichloroethene	ug/l	1.1	0.2	8	44
1,1,1-Trichloroethane	ug/l			<1	

DATE OF REPORT: 2/20/95 SIGNATURE: [signature]

NAME (TYPED): John M. Wakefield

b:asses.1/bas

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-20 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 139.00 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 01/19/94 LABORATORY SAMPLE I.D. # 401345-02

TIME SAMPLED 0938 DATE RECEIVED BY LAB. 01/19/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.10	01/19/94
Well Casing Volume	-----	gal.	43.29	01/19/94
Pump Rate	-----	gal/min	1.35	01/19/94
Pump Period	74004	min.	98	01/19/94
Volume Evacuated	73675	gal.	132	01/19/94
Well Sampling Method	84077	---	BRDLP	01/19/94
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.	7.48	N/A	01/20/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	594	N/A	01/20/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	29	20	2/1/94 to 2/9/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	01/27/94	
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 4-14-94

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	<0.2	0.2	N/A	01/20/94	8010
TRICHLOROETHENE		UG/L	1.1	0.2	N/A	01/20/94	8010

N/A = Not Applicable

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-20 SAMPLE COLLECTION BY Peter H. Metzner

WELL DEPTH* 139.00 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 04/06/94 LABORATORY SAMPLE I.D. # 404324-02

TIME SAMPLED 0928 DATE RECEIVED BY LAB. 04/06/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.93	04/06/94
Well Casing Volume	-----	gal.	43.18	04/06/94
Pump Rate	-----	gal/min	1.19	04/06/94
Pump Period	74004	min.	115	04/06/94
Volume Evacuated	73675	gal.	132.0	04/06/94
Well Sampling Method	84077	---	BRDLP	04/06/94
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.	7.80	N/A	04/07/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	571	N/A	04/07/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	30	20	04/19/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	04/11/94	
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 06/10/94

SIGNATURE: [signature]

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	<0.2	0.2	N/A	04/19/94	8010
TRICHLOROETHENE		UG/L	0.2	0.2	N/A	04/19/94	8010

N/A = Not Applicable

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-20 SAMPLE COLLECTION BY John M. Wakefield

WELL DEPTH* 139.00 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 07/20/94 LABORATORY SAMPLE I.D. # 407382-04

TIME SAMPLED 1138 DATE RECEIVED BY LAB. 07/20/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.85	07/20/94
Well Casing Volume	-----	gal.	43.78	07/20/94
Pump Rate	-----	gal/min	1.42	07/20/94
Pump Period	74004	min.	100	07/20/94
Volume Evacuated	73675	gal.	133.0	07/20/94
Well Sampling Method	84077	---	BRDLP	07/20/94
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.	7.38	NA	07/22/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	610	1	07/27/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	<20	20	08/02/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	08/01/94	
	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	24	0.5	07/22/94	325.2
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	830	10	07/26/94	200.7/6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	49.5	0.1	07/27/94	200.7/6010
Sulfate	00945	mg/1	93	5	07/28/94	375.2
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10/13/94

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	07/31/94	8240
Trichloroethene		UG/L	8	1	N/A	07/31/94	8240
1,1,1-Trichloroethane		UG/L	<1	1	N/A	07/31/94	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	<0.02	0.02	N/A	07/21/94	7196
Chromium, Trivalent		MG/L	<0.02	0.02	N/A	08/04/94	7196
Chromium, Total		MG/L	<0.010	0.010	N/A	07/26/94	200.7/6010
Boron		MG/L	0.11	0.10	N/A	07/27/94	200.7/6010
Nickel		MG/L	<0.020	0.02	N/A	07/26/94	200.7/6010
Nitrate as N		MG/L	0.87	0.06	N/A	08/02/94	353.2
Kjeldahl Nitrogen		MG/L	0.11	0.10	N/A	08/02/94	351.2

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 1994

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 10/27/94 LABORATORY SAMPLE I.D. # 410466-03

TIME SAMPLED 1416 DATE RECEIVED BY LAB. 10/27/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.29	10/27/94
Well Casing Volume	-----	gal.	44.06	10/27/94
Pump Rate	-----	gal/min	1.18	10/27/94
Pump Period	74004	min.	131	10/27/94
Volume Evacuated	73675	gal.	135	10/27/94
Well Sampling Method	84077	---	BRDLP	10/27/94
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.	7.61	NA	10/31/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	644	1	11/02/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	40	20	11/16/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	3	1.0	11/11/94	
	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: 1/3/95

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	0.2	N/A	11/01/94	8010
Trichloroethene		UG/L	44	2.0	N/A	11/01/94	8010

SECTION 7

MW-21

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-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 2-20-95 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)].

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

WELL NUMBER MW-21

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/27/94
PARAMETERS	UNITS	VALUE			
Elev. of G.Water	ft.	4979.69	4979.16	4980.78	4980.78
pH (Avg)	S.U.	7.71	7.88	7.54	7.71
Spec Cond (Avg)	umhos/cm	624	613	613	637
T.O.X. (Avg)	ug/1	490	340	200	440
T.O.C. (Avg)	mg/1	<1.0	<1.0	<1.0	2
Chloride	mg/1			20	
Iron	ug/1				
Manganese	ug/1			<10	
Phenols	ug/1				
Sodium	mg/1			49.1	
Sulfate	mg/1			88	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-21

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/27/94
PARAMETERS	UNITS	VALUE			
1,1-Dichloroethene	ug/l	23	11	17	32
Trichloroethene	ug/l	380	280	210	360
1,1,1-Trichloroethane	ug/l			110	

DATE OF REPORT: 2/20/95 SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

b:asses.1/bas

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 1994

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 01/19/94 LABORATORY SAMPLE I.D. # 401345-05

TIME SAMPLED 1330 DATE RECEIVED BY LAB. 01/19/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.69	01/19/94
Well Casing Volume	-----	gal.	0.31	01/19/94
Pump Rate	-----	gal/min	0.04	01/19/94
Pump Period	74004	min.	32	01/19/94
Volume Evacuated	73675	gal.	1.1	01/19/94
Well Sampling Method	84077	---	BRDLP	01/19/94
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.	7.71	N/A	01/20/94	150.1
	00400	S.U.				
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	624	N/A	01/20/94	12
	00095	umhos/cm				
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	490	20	2/1/94 to 2	
	70354	ug/1				
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	01/27/	
	00680	mg/1				
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 4-14-94

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	23	2.0	N/A	01/20/94	8010
TRICHLOROETHENE		UG/L	380	2.0	N/A	01/20/94	8010

N/A = Not Applicable

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 1994

EPA I.D. NUMBER NMD 083212332

WELL NUMBER MW-21 SAMPLE COLLECTION BY John M. Wakefield

WELL DEPTH* 70.56 LABORATORY NAME Analytical Tech. Inc.

DATE SAMPLED 04/06/94 LABORATORY SAMPLE I.D. # 404324-05

TIME SAMPLED 1144 DATE RECEIVED BY LAB. 04/06/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.16	04/06/94
Well Casing Volume	-----	gal.	0.23	04/06/94
Pump Rate	-----	gal/min	0.02	04/06/94
Pump Period	74004	min.	57	04/06/94
Volume Evacuated	73675	gal.	0.9	04/06/94
Well Sampling Method	84077	---	BRDLP	04/06/94
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.	7.88	N/A	04/07/94	
	00400	S.U.				
	00400	S.U.				150.1
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	613	N/A	04/07/94	
	00095	umhos/cm				
	00095	umhos/cm				120.1
	00095	umhos/cm				
T.O.X.	70354	ug/1	340	20	04/19/94	
	70354	ug/1				
	70354	ug/1				9020M
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	04/11/94	
	00680	mg/1				
	00680	mg/1				415.2
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 06/10/94

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	11	2.0	N/A	04/19/94	8010
TRICHLOROETHENE		UG/L	280	2.0	N/A	04/19/94	8010

N/A = Not Applicable

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 1994

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 07/20/94 LABORATORY SAMPLE I.D. # 407382-05

TIME SAMPLED 1324 DATE RECEIVED BY LAB. 07/20/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4980.78	07/20/94
Well Casing Volume	-----	gal.	0.49	07/20/94
Pump Rate	-----	gal/min	0.06	07/20/94
Pump Period	74004	min.	29	07/20/94
Volume Evacuated	73675	gal.	1.5	07/20/94
Well Sampling Method	84077	---	BRDLP	07/20/94
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.	7.54	NA	07/22/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	613	1	07/27/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	200	20	08/02/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	08/01/94	
	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	20	0.5	07/22/94	325.2
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	<10	10	07/26/94	200.7/6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	49.1	0.1	07/27/94	200.7/6010
Sulfate	00945	mg/1	88	5	07/28/94	375.2
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10/13/94

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	17	10	N/A	07/31/94	8240
Trichloroethene		UG/L	210	10	N/A	07/31/94	8240
1,1,1-Trichloroethane		UG/L	110	10	N/A	07/31/94	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	<0.02	0.02	N/A	07/21/94	7196
Chromium, Trivalent		MG/L	<0.02	0.02	N/A	08/04/94	7196
Chromium, Total		MG/L	<0.010	0.010	N/A	07/26/94	200.7/6010
Boron		MG/L	0.14	0.10	N/A	07/27/94	200.7/6010
Nickel		MG/L	<0.020	0.02	N/A	07/26/94	200.7/6010
Nitrate as N		MG/L	3.2	0.06	N/A	08/02/94	353.2
Kjeldahl Nitrogen		MG/L	<0.50	0.50	N/A	08/02/94	351.2

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 1994

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 10/27/94 LABORATORY SAMPLE I.D. # 410466-04

TIME SAMPLED 1508 DATE RECEIVED BY LAB. 10/27/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4980.78	10/27/94
Well Casing Volume	-----	gal.	0.48	10/27/94
Pump Rate	-----	gal/min	0.08	10/27/94
Pump Period	74004	min.	23	10/27/94
Volume Evacuated	73675	gal.	1.5	10/27/94
Well Sampling Method	84077	---	BRDLP	10/27/94
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.	7.71	NA	10/31/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	637	1	11/02/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	440	20	11/16/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	2	1.0	11/11/94	
	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: 1/3/95

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	32	0.2	N/A	11/01/94	8010
Trichloroethene		UG/L	360	4.0	N/A	11/01/94	8010

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 2-20-95 **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)].

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

WELL NUMBER MW-22

		SAMPLE DATES			
		1/19/94	4/06/94	7/20/94	10/28/94
PARAMETERS	UNITS	VALUE			
Elev. of G.Water	ft.	4978.72	4978.72	4979.72	4980.42
pH (Avg)	S.U.	7.24	7.85	7.55	7.45
Spec Cond (Avg)	umhos/cm	705	701	678	692
T.O.X. (Avg)	ug/1	92	90	70	80
T.O.C. (Avg)	mg/1	<1.0	<1.0	<1.0	1.5
Chloride	mg/1			22	
Iron	ug/1				
Manganese	ug/1			19	
Phenols	ug/1				
Sodium	mg/1			54.1	
Sulfate	mg/1			95	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-22

PARAMETERS	UNITS	SAMPLE DATES 1/19/94	4/06/94	7/20/94	10/28/94
		VALUE			
1,1-Dichloroethene	ug/l	22	14	18	16
Trichloroethene	ug/l	50	62	50 E	45
1,1,1-Trichloroethane	ug/l			44 E	

E = Estimated value, analyte concentration exceeds upper calibration limit of 40 ppb.

DATE OF REPORT: 2/20/95 SIGNATURE: [signature]

NAME (TYPED): John M. Wakefield

004062

b:asses.1/bas

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 1994

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 01/19/94 LABORATORY SAMPLE I.D. # 401345-08

TIME SAMPLED 1420 DATE RECEIVED BY LAB. 01/19/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4978.72	01/19/94
Well Casing Volume	-----	gal.	1.10	01/19/94
Pump Rate	-----	gal/min	0.11	01/19/94
Pump Period	74004	min.	31	01/19/94
Volume Evacuated	73675	gal.	3.4	01/19/94
Well Sampling Method	84077	---	BRDLP	01/19/94
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.	7.24	N/A	01/20/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	705	N/A	01/20/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	92	20	2/1/94 to 2/9/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	01/27/94	
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 4-14-94

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	22	0.2	N/A	01/20/94	8010
TRICHLOROETHENE		UG/L	50	0.2	N/A	01/20/94	8010

N/A = Not Applicable

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 1994

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 04/06/94 LABORATORY SAMPLE I.D. # 404324-07

TIME SAMPLED 1330 DATE RECEIVED BY LAB. 04/06/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4978.72	04/06/94
Well Casing Volume	-----	gal.	1.09	04/06/94
Pump Rate	-----	gal/min	0.09	04/06/94
Pump Period	74004	min.	43	04/06/94
Volume Evacuated	73675	gal.	3.4	04/06/94
Well Sampling Method	84077	---	BRDLP	04/06/94
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.	7.85	N/A	04/07/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	701	N/A	04/07/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	90	20	04/19/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	<1.0	1.0	04/11/94	
	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	N/A			
Iron	01045	ug/1	N/A			
Manganese	71883	ug/1	N/A			
Phenols	32730	ug/1	N/A			
Sodium	00929	mg/1	N/A			
Sulfate	00945	mg/1	N/A			
Turbidity		NTU	N/A			

DATE OF THIS REPORT: 06/10/94

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	14	0.4	N/A	04/19/94	8010
TRICHLOROETHENE		UG/L	62	0.4	N/A	04/19/94	8010

N/A = Not Applicable

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 1994

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 07/20/94 LABORATORY SAMPLE I.D. # 407382-08

TIME SAMPLED 1443 DATE RECEIVED BY LAB. 07/20/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.72	07/20/94
Well Casing Volume	-----	gal.	1.26	07/20/94
Pump Rate	-----	gal/min	0.14	07/20/94
Pump Period	72004	min.	32	07/20/94
Volume Evacuated	73675	gal.	4.0	07/20/94
Well Sampling Method	84077	---	BRDLP	07/20/94
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.	7.55	NA	07/22/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	678	1	07/27/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	70	20	08/02/94	
	70354	ug/l				9020M
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	<1.0	1.0	08/01/94	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

GROUND WATER QUALITY PARAMETERS
MW-22
PAGE 3

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/1	22	0.5	07/22/94	325.2
Iron	01045	ug/1	NA			
Manganese	71883	ug/1	19	10	07/26/94	200.7/6010
Phenols	32730	ug/1	NA			
Sodium	00929	mg/1	54.1	0.1	07/27/94	200.7/6010
Sulfate	00945	mg/1	95	5	07/28/94	375.2
Turbidity		NTU	NA			

DATE OF THIS REPORT: 10/13/94

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	18	1	N/A	07/29/94	8240
Trichloroethene		UG/L	50 E	1	N/A	07/29/94	8240
1,1,1-Trichloroethane		UG/L	44 E	1	N/A	07/29/94	8240
			ANNUAL PARAMETERS				
Chromium, Hexavalent		MG/L	<0.02	0.02	N/A	07/21/94	7196
Chromium, Trivalent		MG/L	<0.02	0.02	N/A	08/04/94	7196
Chromium, Total		MG/L	<0.010	0.010	N/A	07/26/94	200.7/6010
Boron		MG/L	0.22	0.10	N/A	07/27/94	200.7/6010
Nickel		MG/L	<0.020	0.02	N/A	07/26/94	200.7/6010
Nitrate as N		MG/L	5.4	0.06	N/A	08/02/94	353.2
Kjeldahl Nitrogen		MG/L	0.18	0.10	N/A	08/02/94	351.2

E= Estimated Value, analyte amount exceeds the calibration range.

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 1994

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 10/28/94 LABORATORY SAMPLE I.D. # 410471-01

TIME SAMPLED 0922 DATE RECEIVED BY LAB. 10/28/94

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4980.42	10/28/94
Well Casing Volume	-----	gal.	1.37	10/28/94
Pump Rate	-----	gal/min	0.13	10/28/94
Pump Period	74004	min.	34	10/28/94
Volume Evacuated	73675	gal.	4.1	10/28/94
Well Sampling Method	84077	---	BRDLP	10/28/94
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.	7.45	NA	10/31/94	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	692	1	11/02/94	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/1	80	20	11/16/94	
	70354	ug/1				9020M
	70354	ug/1				
	70354	ug/1				
T.O.C.	00680	mg/1	1.5	1	11/11/94	
	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: 1/3/95

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	16	0.2	N/A	11/02/94	8010
Trichloroethene		UG/L	45	2.0	N/A	11/02/94	8010

SECTION 9

FIRST QUARTER, 1994

LABORATORY REPORT

1 Quarter 1994 AGMP
1-19-94

Analytical Technologies, Inc.

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

ATI I.D. **401345**

April 25, 1994

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

Project Name/Number: STATE WELLS 1Q94-D3

Attention: John Wakefield

On **01/19/94**, 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.

Conductivity analyses were performed by Analytical Technologies, Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

Total Organic Carbon and Total Organic Halide analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

All other analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

This report is being reissued to correct analyses dates on Total Organic Halide analyses.

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:jd

Enclosure

Analytical Technologies, Inc.

ACCESSION #: 401345

PARAMETER	METHOD	DETECTION LIMITS	DATE ANALYZED	ANALYST
pH	150.1	NA	01/20/94	C. Froehlich
TOC	415.2	<1.0 mg/L	01/27/94	S. Hall
TOX	9020M	<20 ug/L	02/01/94 -02/02/94	S. Workman
Electrical Conductivity	120.1	NA	01/20/94	N.K.A.

Reference(s): Methods for Chemical Analysis of Water and Wastes, March, 1983 EPA-600 4-79-020.

Analytical Technologies, Inc.

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

ATI I.D. **401345**

February 10, 1994

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

Project Name/Number: STATE WELLS 1Q94-D3

Attention: John Wakefield

On **01/19/94**, 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.

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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:jd

Enclosure

Analytical Technologies, Inc.

CLIENT : SPARTON TECHNOLOGY, INC. DATE RECEIVED: 01/19/94
PROJECT # : 1Q94-D3
PROJECT NAME: STATE WELLS REPORT DATE : 02/10/94

ATI I.D.: 401345

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-19	AQUEOUS	01/19/94
02	MW-20	AQUEOUS	01/19/94
03	MW-14	AQUEOUS	01/19/94
04	MW-9	AQUEOUS	01/19/94
05	MW-21	AQUEOUS	01/19/94
06	MW-15	AQUEOUS	01/19/94
07	MW-16	AQUEOUS	01/19/94
08	MW-22	AQUEOUS	01/19/94
09	FIELD BLANK	AQUEOUS	01/19/94
10	TRIP BLANK	AQUEOUS	01/12/94

----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.

GENERAL CHEMISTRY RESULTS

CLIENT : SPARTON TECHNOLOGY, INC.
PROJECT # : 1Q94-D3
PROJECT NAME: STATE WELLS

ATI I.D. : 401345
DATE RECEIVED: 01/19/94
REPORT DATE : 02/10/94

PARAMETER	UNITS	01	02	03	04	05
CONDUCTIVITY, (UMHOS/CM)		675	594	678	821	624
PH (150.1)	UNITS	7.23	7.48	8.31	7.69	7.71
TOTAL ORGANIC CARBON	MG/L	<1.0	<1.0	1	1	<1.0
TOTAL ORGANIC HALIDE	UG/L	52	29	420	640	490

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT : SPARTON TECHNOLOGY, INC.
PROJECT # : 1Q94-D3
PROJECT NAME: STATE WELLS

ATI I.D. : 401345
DATE RECEIVED: 01/19/94
REPORT DATE : 02/10/94

PARAMETER	UNITS	06	07	08	09	10
CONDUCTIVITY, (UMHOS/CM)		640	1290	705	0.921	0.786
PH (150.1)	UNITS	7.79	7.51	7.24	8.19	8.21
TOTAL ORGANIC CARBON	MG/L	<1.0	2	<1.0	<1.0	<1.0
TOTAL ORGANIC HALIDE	UG/L	45	8200	92	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY, INC.
PROJECT # : 1Q94-D3 ATI I.D.: 401345
PROJECT NAME: STATE WELLS

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
CONDUCTIVITY (UMHOS/CM)		40134505	624	625	0.2	NA	NA	NA
CONDUCTIVITY (UMHOS/CM)		40134509	0.921	1.01	9	NA	NA	NA
PH (150.1)	UNITS	40134503	8.31	8.54	2.7	NA	NA	NA
TOTAL ORGANIC CARBON	MG/L	40134501	<1.0	<1.0	0	NA	NA	NA
TOTAL ORGANIC CARBON	MG/L	40134507	2	2	0	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.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY, INC.
PROJECT # : 1Q94-D3 ATI I.D.: 401345
PROJECT NAME: STATE WELLS

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	SPIKE ADDED	MS RESULT	% REC	MSD RESULT	% REC	RPD
TOTAL ORGANIC HALIDE	UG/L	940111102	29	100	103	74	112	83	8

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

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

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 601)
CLIENT : SPARTON TECHNOLOGY, INC. ATI I.D.: 401345
PROJECT # : 1Q94-D3
PROJECT NAME: STATE WELLS

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-19	AQUEOUS	01/19/94	NA	01/20/94	1
02	MW-20	AQUEOUS	01/19/94	NA	01/20/94	1
03	MW-14	AQUEOUS	01/19/94	NA	01/20/94	10

PARAMETER	UNITS	01	02	03
1,1-DICHLOROETHENE	UG/L	2.4	<0.2	27
TRICHLOROETHENE	UG/L	48	1.1	680 D(50)
SURROGATES:				
BROMOCHLOROMETHANE (%)		113	112	108

D(50)=DILUTED 50X, ANALYZED 01/21/94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 601)
CLIENT : SPARTON TECHNOLOGY, INC. ATI I.D.: 401345
PROJECT # : 1Q94-D3
PROJECT NAME: STATE WELLS

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	MW-9	AQUEOUS	01/19/94	NA	01/20/94	10
05	MW-21	AQUEOUS	01/19/94	NA	01/20/94	10
06	MW-15	AQUEOUS	01/19/94	NA	01/20/94	1

PARAMETER	UNITS	04	05	06
1,1-DICHLOROETHENE	UG/L	34	23	1.8
TRICHLOROETHENE	UG/L	790 D(50)	380	36
SURROGATES:				
BROMOCHLOROMETHANE (%)		109	108	118

D(50)=DILUTED 50X, ANALYZED 01/21/94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 601)
CLIENT : SPARTON TECHNOLOGY, INC. ATI I.D.: 401345
PROJECT # : 1Q94-D3
PROJECT NAME: STATE WELLS

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-16	AQUEOUS	01/19/94	NA	01/21/94	50
08	MW-22	AQUEOUS	01/19/94	NA	01/20/94	1
09	FIELD BLANK	AQUEOUS	01/19/94	NA	01/21/94	1

PARAMETER	UNITS	07	08	09
1,1-DICHLOROETHENE	UG/L	360	22	<0.2
TRICHLOROETHENE	UG/L	12000 D(1000)	50	<0.2
SURROGATES:				
BROMOCHLOROMETHANE (%)		106	113	112

D(1000)=DILUTED 1000X, ANALYZED 01/21/94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 601)
CLIENT : SPARTON TECHNOLOGY, INC. ATI I.D.: 401345
PROJECT # : 1Q94-D3
PROJECT NAME: STATE WELLS

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	TRIP BLANK	AQUEOUS	01/12/94	NA	01/21/94	1

PARAMETER	UNITS	10
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATES:		
BROMOCHLOROMETHANE (%)		115

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

TEST :	PURGEABLE HALOCARBONS (EPA 601)	ATI I.D. :	401345
BLANK I.D. :	012194	DATE EXTRACTED:	NA
CLIENT :	SPARTON TECHNOLOGY, INC.	DATE ANALYZED :	01/21/94
PROJECT # :	1Q94-D3	DIL. FACTOR :	1
PROJECT NAME:	STATE WELLS		

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATES:		
BROMOCHLOROMETHANE (%)		111

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

TEST :	PURGEABLE HALOCARBONS (EPA 601)	ATI I.D. :	401345
BLANK I.D. :	012094	DATE EXTRACTED:	NA
CLIENT :	SPARTON TECHNOLOGY, INC.	DATE ANALYZED :	01/20/94
PROJECT # :	1Q94-D3	DIL. FACTOR :	1
PROJECT NAME:	STATE WELLS		

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2

SURROGATES:

BROMOCHLOROMETHANE (%)	109

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 601)	ATI I.D.	: 401345
MSMSD #	: 40134502	DATE EXTRACTED	: NA
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE ANALYZED	: 01/20/94
		SAMPLE MATRIX	: AQUEOUS
PROJECT #	: 1Q94-D3	REF. I.D.	: 40134502
PROJECT NAME	: STATE WELLS	UNITS	: UG/L

PARAMETERS	SAMPLE RESULT	CONC. SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
CHLOROBENZENE	<0.5	10	11	110	11	110	0
1,1-DICHLOROETHENE	<0.2	10	12	120	12	120	0
TRICHLOROETHENE	1.1	10	13	119	13	119	0

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

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

Analytical Technologies, Inc.

TOTAL ORGANIC CARBON

Method 415.2

Lab Name: Analytical Technologies, Inc.

Date Collected: 01/19/94

Client Name: ATI - NM

Date Analyzed: 01/27/94

Client Project ID: STI -- 401345

Sample Matrix: Liquid

Lab Workorder Number: 94-01-111

Analyst: S. Hall

Sample ID	Lab Sample ID	Volume Injected (mL)	TOC Conc. (mg/L)	TOC AVG	RPD
Reagent Blank	RB 94-01-111	1	< 1.0	< 1.0	N/A
401345-1	94-01-111-01	1	< 1.0		
	94-01-111-01DUP	1	< 1.0	< 1.0	N/A
401345-2	94-01-111-02	1	< 1.0		
	94-01-111-02DUP	1	< 1.0	< 1.0	N/A
401345-3	94-01-111-03	1	1		
	94-01-111-03DUP	1	< 1.0	0.5	200
401345-4	94-01-111-04	1	1		
	94-01-111-04DUP	1	2	1.5	67
401345-5	94-01-111-05	1	< 1.0		
	94-01-111-05DUP	1	< 1.0	< 1.0	N/A
401345-6	94-01-111-06	1	< 1.0		
	94-01-111-06DUP	1	< 1.0	< 1.0	N/A
401345-7	94-01-111-07	1	2		
	94-01-111-07DUP	1	2	2	0
401345-8	94-01-111-08	1	< 1.0		
	94-01-111-08DUP	1	< 1.0	< 1.0	N/A
401345-9	94-01-111-09	1	< 1.0		
	94-01-111-09DUP	1	< 1.0	< 1.0	N/A
401345-10	94-01-111-10	1	< 1.0		
	94-01-111-10DUP	0	< 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: STI -- 401345

Lab Workorder Number: 94-01-111

Date Collected: 01/19/94

Date Extracted: 02/02/94

Date Analyzed: 02/02/94

Sample Matrix: Liquid

Analyst: S. Workman

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB94-01-111	100	<20
401345-3	94-01-111-03	20	420
401345-7	94-01-111-07	1	8200

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE MATRIX SPIKE RESULTS

Modified Method 9020 TOX

Sample ID

401345-2

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Lab Sample ID: 94-01-111-02

Sample Matrix: Water

Date Extracted: 02/02/94

Date Analyzed: 02/02/94

Analyst: S. Workman

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS Percent Recovery
2,4,6-Trichlorophenol	100	29	103	74

Analyte	MSD Concentration (ug/L)	MSD Percent Recovery	RPD
2,4,6-Trichlorophenol	112	83	8

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

CHAIN OF CUSTODY

DATE: 1-19-94 PAGE 1 OF 2

ATI LAB I.D. 401345

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

PROJECT MANAGER: John M. Wakefield

COMPANY: Spectron Technology Inc
ADDRESS: 9621 Coors Rd. NW
Albuquerque NM 87114
PHONE: (505) 892-3300
FAX: (505) 892-5515

BILL TO: "
COMPANY: "
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	Elec. Cond	Chlorinated Hydrocarbons (601/8010) 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-19	1-19-94	0934	HCl	01					X	X	X			X	X																		8
MW-20	"	0938	HCl / H_2SO_4	02					X	X	X			X	X																		8
MW-14	"	1054	"	03					X	X	X			X	X																		8
MW-9	"	1200	"	04					X	X	X			X	X																		8
MW-21	"	1330	"	05					X	X	X			X	X																		8
MW-15	"	1202	"	06					X	X	X			X	X																		6
MW-16	"	1306	"	07					X	X	X			X	X																		8
MW-22	"	1420	"	08					X	X	X			X	X																		8
Field Blank	"	1400	"	09					X	X	X			X	X																(6)	XPAW	8

004098

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:	1Q94-D3	NO. CONTAINERS	68
PROJ. NAME:	State Wells	CUSTODY SEALS	Y / N / NA*
P.O. NO.:	39945-1-08	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: [signature] Time: 1536	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date: 1-19-94	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: 1530
Printed Name: Date:	Printed Name: Date:	Printed Name: Terri Dottie Date: 1/19/94
Company:	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

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

CHAIN OF CUSTODY

DATE: 1-19-94 PAGE 2 OF 2

ATI LAB I.D. 401345

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

PROJECT MANAGER: John M. Wakefield

COMPANY: Spectron 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

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	Elec. Cond.	Chlorinated Hydrocarbons (601/8010) TCE, 1,1 DCE	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
Trip Blank	NA	NA	HCl ~~H2SO4~~	10					X	X	X			X	X																		5

004099

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:	1Q93-D3	NO. CONTAINERS	5
PROJ. NAME:	State Wells	CUSTODY SEALS	Y / N / (NA)*
P.O. NO.:	399145-1-056	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: 1536	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date: 1-19-94	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: Terri Dettie Time: 1536
Printed Name: Date:	Printed Name: Date:	Printed Name: Terri Dettie Date: 1/19/94
Company:	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

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody

DATE 1/19/94 PAGE 2 OF 2

NETWORK PROJECT MANAGER: BETH PROFFITT

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)	EC	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
401345-10	1/12/94		AQ	10						X																								1

PROJECT INFORMATION	
PROJECT NUMBER:	401345
PROJECT NAME:	STI
QC LEVEL:	(STD) IV
QC REQUIRED:	MS MSD BLANK
TAT:	(STANDARD) RUSHI

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	1
CHAIN OF CUSTODY SEALS	NA
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	401345

DUE DATE: 2/2/94

RUSH SURCHARGE:

CLIENT DISCOUNT: 10 %

WO: HL501

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Terri Dettre Time: 1715	Signature: Time:
Printed Name: Terri Dettre Date: 1/19/94	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: R. Tubeszewski Time: 1015
Printed Name: Date:	Printed Name: R. Tubeszewski Date: 1/20/94
Company:	Company: ATI-Phx

004101

Analytical Technologies, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSION #: 401345

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

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

Analytical Technologies, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSION #: 401345

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

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	2.0
BROMOFORM	5.0
BROMOMETHANE	5.0
CARBON TETRACHLORIDE	2.0
CHLOROBENZENE	5.0
CHLOROETHANE	2.0
CHLOROFORM	2.0
CHLOROMETHANE	5.0
DIBROMOCHLOROMETHANE	2.0
1,2-DIBROMOETHANE (EDB)	5.0
1,2-DICHLOROBENZENE	5.0
1,3-DICHLOROBENZENE	5.0
1,4-DICHLOROBENZENE	5.0
1,1-DICHLOROETHANE	2.0
1,2-DICHLOROETHANE (EDC)	2.0
1,1-DICHLOROETHENE	2.0
CIS-1,2-DICHLOROETHENE	2.0
TRANS-1,2-DICHLOROETHENE	2.0
1,2-DICHLOROPROPANE	2.0
CIS-1,3-DICHLOROPROPENE	5.0
TRANS-1,3-DICHLOROPROPENE	2.0
METHYLENE CHLORIDE	20
1,1,2,2-TETRACHLOROETHANE	2.0
TETRACHLOROETHENE	2.0
1,1,1-TRICHLOROETHANE	2.0
1,1,2-TRICHLOROETHANE	2.0
TRICHLOROETHENE	2.0
TRICHLOROFLUOROMETHANE	2.0
VINYL CHLORIDE	5.0

Analytical Technologies, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSION #: 401345

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
50X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	10
BROMOFORM	25
BROMOMETHANE	25
CARBON TETRACHLORIDE	10
CHLOROBENZENE	25
CHLOROETHANE	10
CHLOROFORM	10
CHLOROMETHANE	25
DIBROMOCHLOROMETHANE	10
1,2-DIBROMOETHANE (EDB)	25
1,2-DICHLOROBENZENE	25
1,3-DICHLOROBENZENE	25
1,4-DICHLOROBENZENE	25
1,1-DICHLOROETHANE	10
1,2-DICHLOROETHANE (EDC)	10
1,1-DICHLOROETHENE	10
CIS-1,2-DICHLOROETHENE	10
TRANS-1,2-DICHLOROETHENE	10
1,2-DICHLOROPROPANE	10
CIS-1,3-DICHLOROPROPENE	25
TRANS-1,3-DICHLOROPROPENE	10
METHYLENE CHLORIDE	100
1,1,2,2-TETRACHLOROETHANE	10
TETRACHLOROETHENE	10
1,1,1-TRICHLOROETHANE	10
1,1,2-TRICHLOROETHANE	10
TRICHLOROETHENE	10
TRICHLOROFLUOROMETHANE	10
VINYL CHLORIDE	25

SECTION 10

SECOND QUARTER, 1994

LABORATORY REPORT

MW-15 Dry

Analytical Technologies, Inc.

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

ATI I.D. **404324**

April 27, 1994

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

Project Name/Number: 2Q94 STATE WELLS 040694

Attention: John Wakefield

On **04/06/94**, 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.

Conductivity analyses were performed by Analytical Technologies, Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

Total Organic Halide and Total Organic Carbon analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

EPA Method 8010 and 150.1 (pH) analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

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:jd

Enclosure

Analytical Technologies, Inc.

CLIENT	: SPARTON TECHNOLOGY, INC.	DATE RECEIVED	: 04/06/94
PROJECT #	: 040694		
PROJECT NAME	: 2Q94 STATE WELLS	REPORT DATE	: 04/27/94

ATI ID: 404324

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-19	AQUEOUS	04/06/94
02	MW-20	AQUEOUS	04/06/94
03	MW-14	AQUEOUS	04/06/94
04	MW-9	AQUEOUS	04/06/94
05	MW-21	AQUEOUS	04/06/94
06	MW-16	AQUEOUS	04/06/94
07	MW-22	AQUEOUS	04/06/94
08	FIELD BLANK	AQUEOUS	04/06/94
09	TRIP BLANK	AQUEOUS	03/29/94

---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.

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 404324

CLIENT : SPARTON TECH., INC.
PROJECT # : 040694
PROJECT NAME : 2Q94 STATE WELLS

DATE RECEIVED : 04/06/
REPORT DATE : 04/27/

PARAMETER	UNITS	01	02	03	04	05
CONDUCTIVITY, (UMHOS/CM)		686	571	706	769	613

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 404324

CLIENT : SPARTON TECH., INC.
PROJECT # : 040694
PROJECT NAME : 2Q94 STATE WELLS

DATE RECEIVED : 04/06/
REPORT DATE : 04/27/

PARAMETER	UNITS	06	07	08	09
CONDUCTIVITY, (UMHOS/CM)		1170	701	8.87	7.47

Analytical Technologies, Inc GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECH., INC.
PROJECT # : 040694
PROJECT NAME : 2Q94 STATE WELLS ATI I.D. : 404324

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% R
CONDUCTIVITY(UMHOS/CM)		40432407	701	703	0.3	NA	NA	N
CONDUCTIVITY(UMHOS/CM)		40432408	8.87	8.58	3	NA	NA	N
CONDUCTIVITY(UMHOS/CM)		40432409	7.47	7.76	4	NA	NA	N

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

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

Analytical Technologies, Inc.

TOTAL ORGANIC CARBON
Method 415.2

Lab Name: Analytical Technologies, Inc.

Date Collected: 04/06/94

Client Name: ATI-NM

Date Analyzed: 04/11/94

Client Project ID: Sparton -- 404324

Sample Matrix: Water

Lab Workorder Number: 94-04-036

Sample ID	Lab Sample ID	Volume Injected (mL)	TOC Conc. (mg/L)	TOC AVG	RPD
Reagent Blank	RB 94-04-036	1	< 1.0	< 1.0	N/A
404324-01	94-04-036-01	1	< 1.0		
	94-04-036-01DUP	1	< 1.0	< 1.0	N/A
404324-02	94-04-036-02	1	< 1.0		
	94-04-036-02DUP	1	< 1.0	< 1.0	N/A
404324-03	94-04-036-03	1	< 1.0		
	94-04-036-03DUP	1	< 1.0	< 1.0	N/A
404324-04	94-04-036-04	1	1		
	94-04-036-04DUP	1	1	1	0
404324-05	94-04-036-05	1	< 1.0		
	94-04-036-05DUP	1	< 1.0	< 1.0	N/A
404324-06	94-04-036-06	1	2		
	94-04-036-06DUP	1	2	2	0
404324-07	94-04-036-07	1	< 1.0		
	94-04-036-07DUP	1	< 1.0	< 1.0	N/A
404324-08	94-04-036-08	1	< 1.0		
	94-04-036-08DUP	1	< 1.0	< 1.0	N/A
404324-09	94-04-036-09	1	< 1.0		
	94-04-036-09DUP	1	< 1.0	< 1.0	N/A

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Date Collected: 04/06/94

Client Name: ATI-NM

Date Extracted: 04/19/94

Client Project ID: Sparton -- 404324

Date Analyzed: 04/19/94

Lab Workorder Number: 94-04-036

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB94-04-036	100	< 20
404324-01	94-04-036-01	100	80
404324-02	94-04-036-02	100	30
404324-03	94-04-036-03	100	520
404324-04	94-04-036-04	100	590
404324-05	94-04-036-05	100	340
404324-06	94-04-036-06	1	21300
404324-07	94-04-036-07	100	90
404324-08	94-04-036-08	100	< 20
404324-09	94-04-036-09	100	< 20

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE MATRIX SPIKE RESULTS

Modified Method 9020 TOX

Sample ID

404324-01

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Lab Sample ID: 94-04-036-01

Sample Matrix: Water

Date Extracted: 04/19/94

Date Analyzed: 04/19/94

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS Percent Recovery
2,4,6-Trichlorophenol	200	80	280	100

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY, INC.	ATI I.D.	: 404324
PROJECT #	: 040694	DATE RECEIVED	: 04/06/94
PROJECT NAME	: 2Q94 STATE WELLS	DATE ANALYZED	: 04/07/94

PARAMETER	UNITS	01	02	03	04
PH (150.1)	UNITS	7.54	7.80	8.82	7.90

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY, INC.	ATI I.D.	: 404324
PROJECT #	: 040694	DATE RECEIVED	: 04/06/94
PROJECT NAME	: 2Q94 STATE WELLS	DATE ANALYZED	: 04/07/94

PARAMETER	UNITS	05	06	07	08
PH (150.1)	UNITS	7.88	7.48	7.85	6.56

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY, INC.	ATI I.D.	: 404324
PROJECT #	: 040694	DATE RECEIVED	: 04/06/94
PROJECT NAME	: 2Q94 STATE WELLS	DATE ANALYZED	: 04/07/94

PARAMETER	UNITS	09
PH (150.1)	UNITS	6.97

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY, INC. ATI I.D. : 404324

PROJECT # : 040694 SAMPLE MATRIX : AQUEOUS

PROJECT NAME : 2Q94 STATE WELLS

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PH	UNITS	40432401	7.54	7.70	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.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY, INC. ATI I.D.: 404324
PROJECT # : 040694
PROJECT NAME : 2Q94 STATE WELLS

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-19	AQUEOUS	04/06/94	NA	04/19/94	2
02	MW-20	AQUEOUS	04/06/94	NA	04/18/94	1
03	MW-14	AQUEOUS	04/06/94	NA	04/19/94	25

PARAMETER	UNITS	01	02	03
1,1-DICHLOROETHENE	UG/L	2.8	<0.2	19
TRICHLOROETHENE	UG/L	81	0.2	730
SURROGATES:				
BROMOCHLOROMETHANE (%)		95	98	99

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY, INC. ATI I.D.: 404324
PROJECT # : 040694
PROJECT NAME : 2Q94 STATE WELLS

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	MW-9	AQUEOUS	04/06/94	NA	04/19/94	25
05	MW-21	AQUEOUS	04/06/94	NA	04/19/94	10
06	MW-16	AQUEOUS	04/06/94	NA	04/19/94	500

PARAMETER	UNITS	04	05	06
1,1-DICHLOROETHENE	UG/L	22	11	190
TRICHLOROETHENE	UG/L	740	280	11000
SURROGATES:				
BROMOCHLOROMETHANE (%)		100	100	94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY, INC. ATI I.D.: 404324
PROJECT # : 040694
PROJECT NAME : 2Q94 STATE WELLS

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-22	AQUEOUS	04/06/94	NA	04/19/94	2
08	FIELD BLANK	AQUEOUS	04/06/94	NA	04/20/94	1
09	TRIP BLANK	AQUEOUS	03/29/94	NA	04/20/94	1

PARAMETER	UNITS	07	08	09
1,1-DICHLOROETHENE	UG/L	14	<0.2	<0.2
TRICHLOROETHENE	UG/L	62	3.0	<0.2
SURROGATES:				
BROMOCHLOROMETHANE (%)		103	101	100

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 404324
BLANK I.D.	: 041894	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE EXTRACTED	: NA
PROJECT #	: 040694	DATE ANALYZED	: 04/18/94
PROJECT NAME	: 2Q94 STATE WELLS	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATES:		
BROMOCHLOROMETHANE (%)		94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 404324
BLANK I.D.	: 041994	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE EXTRACTED	: NA
PROJECT #	: 040694	DATE ANALYZED	: 04/19/94
PROJECT NAME	: 2Q94 STATE WELLS	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATES:		
BROMOCHLOROMETHANE (%)		99

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 404324
BLANK I.D.	: 041994	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE EXTRACTED	: NA
PROJECT #	: 040694	DATE ANALYZED	: 04/20/94
PROJECT NAME	: 2Q94 STATE WELLS	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATES:		
BROMOCHLOROMETHANE (%)		102

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 40432402	ATI I.D.	: 404324
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE EXTRACTED	: NA
PROJECT #	: 040694	DATE ANALYZED	: 04/19/94
PROJECT NAME	: 2Q94 STATE WELLS	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 40432402	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
CHLOROBENZENE	<0.5	10	11	110	11	110	0
1,1-DICHLOROETHENE	<0.2	10	9.5	95	10	100	5
TRICHLOROETHENE	0.2	10	11	108	11	108	0

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

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

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

CHAIN OF CUSTODY

DATE: 4-6-94 PAGE 1 OF 2

ATI LAB I.D. 401 324

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

PROJECT MANAGER: John M Wakefield

COMPANY: Spectra Technology 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

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) TCE/TDCE	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-19	4-6-94	0900	HCl/H2SO4	01					X	X	X			X	X																	2
MW-20	"	0928	"	02					X	X	X			X	X																	2
MW-14	"	1010	"	03					X	X	X			X	X																	2
MW-9	"	1135	"	04					X	X	X			X	X																	2
MW-21	"	1144	"	05					X	X	X			X	X																	2
MW-16	"	1408	"	06					X	X	X			X	X																	2
~~MW-15~~	"		"						X	X	X			X	X																	2
MW-22	"	1330	"	07					X	X	X			X	X																	2
Field Blank	"	1310	"	08					X	X	X			X	X																	2

Delete Not Sampled

0041125

PROJECT INFORMATION

PROJ. NO.: 040694
PROJ. NAME: 2094 Stale Wells
P.O. NO.:
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. CONTAINERS: 62
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
67 Bottles

SAMPLED & RELINQUISHED BY: 1.
Signature: John M Wakefield Time: 1450
Printed Name: John M. Wakefield Date: 4-6-94
Company: STI Phone: 892-5300

RELINQUISHED BY: 2.
Signature: Peter H Metzen Time: 1525
Printed Name: Peter H. Metzen Date: 4-6-94
Company: Metzen Corp

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

RECEIVED BY: 1.
Signature: Peter Metzen Time: 1450
Printed Name: Peter H. Metzen Date: 4-6-94
Company: Metzen Corp

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

RECEIVED BY: (LAB) 3.
Signature: Time: 1525 Same
Printed Name: Michael Robinson Date: 4/6/94
Analytical Technologies, Inc.

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

CHAIN OF CUSTODY

DATE: 4-6-94 PAGE 2 OF 2

ATI LAB I.D. 404324

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

PROJECT MANAGER:

COMPANY:
ADDRESS:
PHONE:
FAX:

Same as Page 1

BILL TO:
COMPANY:
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)	pH	Dissolved 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
Trip Blank			HCl Water	C/1					X	X	X			X	X																		5

004126

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:		NO. CONTAINERS	5
PROJ. NAME:	Same	CUSTODY SEALS	Y / N / NA
P.O. NO.:	pg 1	RECEIVED INTACT	Y
SHIPPED VIA:		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.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time:	Signature: Time: 1525	Signature: Time:
Printed Name: Date: 4-6-94 Tom M. Wakefield	Printed Name: Date: 4-6-94 Peter H Mattson	Printed Name: Date:
Company: STI Phone: 892-5300	Company: METRIC Corp	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time: 1450	Signature: Time:	Signature: Time: 1525
Printed Name: Date: 4-6-94 Peter H Mattson	Printed Name: Date:	Printed Name: Date: 4/6/94
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

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody 94-04-036

DATE 4/6/94 PAGE 1 OF 1

NETWORK PROJECT MANAGER: BETH PROFFITT

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
401324-01	4/6/94	0900	Air	01	X	X																												4
-02		0928		02	X	X																												4
-03		1010		03	X	X																												4
-04		1138		04	X	X																												4
-05		1144		05	X	X																												2
-06		1108		06	X	X																												4
-07		1330		07	X	X																												4
-08		1310		08	X	X																												4
-09		—		09	X	X																												2

004127

PROJECT INFORMATION	
PROJECT NUMBER:	401324
PROJECT NAME:	SPARTON
QC LEVEL:	STD. IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	32
CHAIN OF CUSTODY SEALS	N
INTACT?	N
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	94-04-036

DUE DATE: 4/20
RUSH SURCHARGE: —
CLIENT DISCOUNT: 10 %

COC HXK6A3

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature:	Signature: Time:
Printed Name: Date: 4/6/94	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company: Anderson
RECEIVED BY: (LAB) 1.	RECEIVED BY: (LAB) 2.
Signature: Time:	Signature: Time: 1040
Printed Name: Date:	Printed Name: Date: 4/7/94
Company: Anderson	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

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody

DATE 4/6/94 PAGE 1 OF 1

NETWORK PROJECT MANAGER: BETH PROFFITT

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)	EC	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
404324-01	4/6	0900	AQ	1						X																								1
-02		0928		2						X																								1
-03		1010		3						X																								1
-04		1138		4						X																								1
-05		1144		5						X																								1
-06		1408		6						X																								1
-07		1330		7						X																								1
-08		1310		8						X																								1
-09		—		9						X																								1

004128

PROJECT INFORMATION	
PROJECT NUMBER:	404324
PROJECT NAME:	SPARTON
QC LEVEL:	STD IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	9
CHAIN OF CUSTODY SEALS	N
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	404324

DUE DATE: 4/20 COOL LK 4.4°
RUSH SURCHARGE: —
CLIENT DISCOUNT: 10 %

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1700	Signature: Time:
Printed Name: Date 4/6	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	RECEIVED BY: (LAB) 2.
Signature: Time:	Signature: Time: 925
Printed Name: Date:	Printed Name: Date:
Company:	Company: ATI 4/7/94

Analytical Technologies, Inc.

ACCESSION NUMBER: 404324

DETECTION LIMITS FOR 8010/8020 - AQUEOUS
1X DILUTION

PARAMETER	UNITS	
BENZENE	UG/L	0.5
BROMODICHLOROMETHANE	UG/L	0.2
BROMOFORM	UG/L	0.5
BROMOMETHANE	UG/L	0.5
CARBON TETRACHLORIDE	UG/L	0.2
CHLOROBENZENE	UG/L	0.5
CHLOROETHANE	UG/L	0.2
CHLOROFORM	UG/L	0.2
CHLOROMETHANE	UG/L	0.5
DIBROMOCHLOROMETHANE	UG/L	0.2
1,2-DIBROMOETHANE (EDB)	UG/L	0.5
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	0.2
1,1-DICHLOROETHENE	UG/L	0.2
CIS-1,2-DICHLOROETHENE	UG/L	0.2
TRANS-1,2-DICHLOROETHENE	UG/L	0.2
1,2-DICHLOROPROPANE	UG/L	0.2
CIS-1,3-DICHLOROPROPENE	UG/L	0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	0.2
ETHYLBENZENE	UG/L	0.5
METHYLENE CHLORIDE	UG/L	2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	0.2
TETRACHLOROETHENE	UG/L	0.2
TOLUENE	UG/L	0.5
1,1,1-TRICHLOROETHANE	UG/L	0.2
1,1,2-TRICHLOROETHANE	UG/L	0.2
TRICHLOROETHENE	UG/L	0.2
TRICHLOROFLUOROMETHANE	UG/L	0.2
VINYL CHLORIDE	UG/L	0.5
TOTAL XYLENES	UG/L	0.5

Analytical Technologies, Inc

ACCESSION NUMBER: 404324

DETECTION LIMITS FOR 8010/8020 - AQUEOUS
2X DILUTION

PARAMETER	UNITS	
BENZENE	UG/L	1.0
BROMODICHLOROMETHANE	UG/L	0.4
BROMOFORM	UG/L	1.0
BROMOMETHANE	UG/L	1.0
CARBON TETRACHLORIDE	UG/L	0.4
CHLOROBENZENE	UG/L	1.0
CHLOROETHANE	UG/L	0.4
CHLOROFORM	UG/L	0.4
CHLOROMETHANE	UG/L	1.0
DIBROMOCHLOROMETHANE	UG/L	0.4
1,2-DIBROMOETHANE (EDB)	UG/L	1.0
1,2-DICHLOROBENZENE	UG/L	1.0
1,3-DICHLOROBENZENE	UG/L	1.0
1,4-DICHLOROBENZENE	UG/L	1.0
1,1-DICHLOROETHANE	UG/L	0.4
1,2-DICHLOROETHANE (EDC)	UG/L	0.4
1,1-DICHLOROETHENE	UG/L	0.4
CIS-1,2-DICHLOROETHENE	UG/L	0.4
TRANS-1,2-DICHLOROETHENE	UG/L	0.4
1,2-DICHLOROPROPANE	UG/L	0.4
CIS-1,3-DICHLOROPROPENE	UG/L	1.0
TRANS-1,3-DICHLOROPROPENE	UG/L	0.4
ETHYLBENZENE	UG/L	1.0
METHYLENE CHLORIDE	UG/L	4.0
1,1,2,2-TETRACHLOROETHANE	UG/L	0.4
TETRACHLOROETHENE	UG/L	0.4
TOLUENE	UG/L	1.0
1,1,1-TRICHLOROETHANE	UG/L	0.4
1,1,2-TRICHLOROETHANE	UG/L	0.4
TRICHLOROETHENE	UG/L	0.4
TRICHLOROFLUOROMETHANE	UG/L	0.4
VINYL CHLORIDE	UG/L	1.0
TOTAL XYLENES	UG/L	1.0

Analytical Technologies, Inc.

ACCESSION NUMBER: 404324

DETECTION LIMITS FOR 8010/8020 - AQUEOUS
10X DILUTION

PARAMETER	UNITS	
BENZENE	UG/L	5.0
BROMODICHLOROMETHANE	UG/L	2.0
BROMOFORM	UG/L	5.0
BROMOMETHANE	UG/L	5.0
CARBON TETRACHLORIDE	UG/L	2.0
CHLOROBENZENE	UG/L	5.0
CHLOROETHANE	UG/L	2.0
CHLOROFORM	UG/L	2.0
CHLOROMETHANE	UG/L	5.0
DIBROMOCHLOROMETHANE	UG/L	2.0
1,2-DIBROMOETHANE (EDB)	UG/L	5.0
1,2-DICHLOROBENZENE	UG/L	5.0
1,3-DICHLOROBENZENE	UG/L	5.0
1,4-DICHLOROBENZENE	UG/L	5.0
1,1-DICHLOROETHANE	UG/L	2.0
1,2-DICHLOROETHANE (EDC)	UG/L	2.0
1,1-DICHLOROETHENE	UG/L	2.0
CIS-1,2-DICHLOROETHENE	UG/L	2.0
TRANS-1,2-DICHLOROETHENE	UG/L	2.0
1,2-DICHLOROPROPANE	UG/L	2.0
CIS-1,3-DICHLOROPROPENE	UG/L	5.0
TRANS-1,3-DICHLOROPROPENE	UG/L	2.0
ETHYLBENZENE	UG/L	5.0
METHYLENE CHLORIDE	UG/L	20
1,1,2,2-TETRACHLOROETHANE	UG/L	2.0
TETRACHLOROETHENE	UG/L	2.0
TOLUENE	UG/L	5.0
1,1,1-TRICHLOROETHANE	UG/L	2.0
1,1,2-TRICHLOROETHANE	UG/L	2.0
TRICHLOROETHENE	UG/L	2.0
TRICHLOROFLUOROMETHANE	UG/L	2.0
VINYL CHLORIDE	UG/L	5.0
TOTAL XYLENES	UG/L	5.0

Analytical Technologies, Inc.

ACCESSION NUMBER: 404324

DETECTION LIMITS FOR 8010/8020 - AQUEOUS
25X DILUTION

PARAMETER	UNITS	
BENZENE	UG/L	12
BROMODICHLOROMETHANE	UG/L	5.0
BROMOFORM	UG/L	12
BROMOMETHANE	UG/L	12
CARBON TETRACHLORIDE	UG/L	5.0
CHLOROBENZENE	UG/L	12
CHLOROETHANE	UG/L	5.0
CHLOROFORM	UG/L	5.0
CHLOROMETHANE	UG/L	12
DIBROMOCHLOROMETHANE	UG/L	5.0
1,2-DIBROMOETHANE (EDB)	UG/L	12
1,2-DICHLOROBENZENE	UG/L	12
1,3-DICHLOROBENZENE	UG/L	12
1,4-DICHLOROBENZENE	UG/L	12
1,1-DICHLOROETHANE	UG/L	5.0
1,2-DICHLOROETHANE (EDC)	UG/L	5.0
1,1-DICHLOROETHENE	UG/L	5.0
CIS-1,2-DICHLOROETHENE	UG/L	5.0
TRANS-1,2-DICHLOROETHENE	UG/L	5.0
1,2-DICHLOROPROPANE	UG/L	5.0
CIS-1,3-DICHLOROPROPENE	UG/L	12
TRANS-1,3-DICHLOROPROPENE	UG/L	5.0
ETHYLBENZENE	UG/L	12
METHYLENE CHLORIDE	UG/L	50
1,1,2,2-TETRACHLOROETHANE	UG/L	5.0
TETRACHLOROETHENE	UG/L	5.0
TOLUENE	UG/L	12
1,1,1-TRICHLOROETHANE	UG/L	5.0
1,1,2-TRICHLOROETHANE	UG/L	5.0
TRICHLOROETHENE	UG/L	5.0
TRICHLOROFLUOROMETHANE	UG/L	5.0
VINYL CHLORIDE	UG/L	12
TOTAL XYLENES	UG/L	12

Analytical Technologies, Inc.

ACCESSION NUMBER: 404324

DETECTION LIMITS FOR 8010/8020 - AQUEOUS
500X DILUTION

PARAMETER	UNITS	
BENZENE	UG/L	250
BROMODICHLOROMETHANE	UG/L	100
BROMOFORM	UG/L	250
BROMOMETHANE	UG/L	250
CARBON TETRACHLORIDE	UG/L	100
CHLOROBENZENE	UG/L	250
CHLOROETHANE	UG/L	100
CHLOROFORM	UG/L	100
CHLOROMETHANE	UG/L	250
DIBROMOCHLOROMETHANE	UG/L	100
1,2-DIBROMOETHANE (EDB)	UG/L	250
1,2-DICHLOROBENZENE	UG/L	250
1,3-DICHLOROBENZENE	UG/L	250
1,4-DICHLOROBENZENE	UG/L	250
1,1-DICHLOROETHANE	UG/L	100
1,2-DICHLOROETHANE (EDC)	UG/L	100
1,1-DICHLOROETHENE	UG/L	100
CIS-1,2-DICHLOROETHENE	UG/L	100
TRANS-1,2-DICHLOROETHENE	UG/L	100
1,2-DICHLOROPROPANE	UG/L	100
CIS-1,3-DICHLOROPROPENE	UG/L	250
TRANS-1,3-DICHLOROPROPENE	UG/L	100
ETHYLBENZENE	UG/L	250
METHYLENE CHLORIDE	UG/L	1000
1,1,2,2-TETRACHLOROETHANE	UG/L	100
TETRACHLOROETHENE	UG/L	100
TOLUENE	UG/L	250
1,1,1-TRICHLOROETHANE	UG/L	100
1,1,2-TRICHLOROETHANE	UG/L	100
TRICHLOROETHENE	UG/L	100
TRICHLOROFLUOROMETHANE	UG/L	100
VINYL CHLORIDE	UG/L	250
TOTAL XYLENES	UG/L	250

SECTION 11

THIRD QUARTER, 1994

LABORATORY REPORT

TGMP 3Q 94

Analytical Technologies, Inc.

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

ATI I.D. **407382**

October 10, 1994

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

Project Name/Number: STATE WELLS 3Q94 72094

Attention: John Wakefield

On **07/20/94**, 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.

Samples MW-14 and MW-9 were received at ATI, Phoenix past EPA holding time for hexavalent chromium.

Total Organic Halide analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

EPA Method 8240 and Total Kjeldahl Nitrogen analyses were performed by Analytical Technologies, Inc., 5550 Morehouse Drive, San Diego, CA.

EPA Method 150.1 analyses for all samples except MW-15 were performed by Analytical Technologies, Inc., Albuquerque, NM.

EPA Method 150.1 analysis for sample MW-15 and all other analyses were performed by Analytical Technologies, Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

This report is being reissued in part, to include a dilution summary for 8240 analysis and to provide dates of analysis for general chemistry. Additionally a case narrative follows with regards to EPA Method 8240 analysis of sample "MW-22".

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

GENERAL CHEMISTY (DETECTION LIMITS AND DATE ANALYZED)

PARAMETER	METHOD	DETECTION LIMIT	DATE ANALYZED
pH	150.1	NA	07/22/94
CHLORIDE	325.2	0.5	07/22/94
HEXAVALENT CHROMIUM	7196	0.02	07/21/94
CONDUCTIVITY	120.1	1	07/27/94
NITRATE	353.2	0.06	08/02/94
SULFATE	375.2	5	07/28/94
TKN	351.2	0.10	08/02/94
BORON	200.7/6010	0.10	07/27/94
CHROMIUM (TOTAL)	200.7/6010	0.010	07/26/94
CHROMIUM (TRIVALENT)	7196	0.02	08/04/94
MANGANESE	200.7/6010	0.010	07/26/94
SODIUM	200.7/6010	0.1	07/27/94
NICKEL	200.7/6010	0.020	07/26/94
pH (MW-15)	150.1	NA	07/30/94

ATI SAN DIEGO ACCESSION: 407256 (ATI ABQ: 407382)

ATI San Diego accession 407256 was analyzed by method 8240, modified for lower detection limits requiring a 25 milliliter purge. The linear range for target analytes is from 2ppb-40ppb. Samples are typically "screened" at a high dilution and then re analyzed at the appropriate dilution. The sample in question, 407256-08, "MW-22", was analyzed three times. The first analysis was a screen run with a dilution factor of 50 (see file ID >P7900). It was determined to run the sample at 25 milliliters, however, 1,1,1-Trichloroethane and Trichloroethene exceeded the linear range (see file ID P7968). A third analysis was performed at 12.5 milliliters, but the sample aliquot was taken from a sample vial with head space (see file ID P7972). The concentrations of 1,1,1-Trichloroethane and Trichloroethene were less than expected (7ppb and 13ppb respectively) which was attributed to the head space in the vial. No more samples remained to perform a fourth analysis.

Included are the quantitation reports for the three analyses of 407256-08 "MW-22".

PARAMETER	DILUTION VALUES (µg/L)				
	1.00	4.00	10.00	25.00	400.00
CHLOROMETHANE	<10	<40	<100	<250	<4000
VINYL CHLORIDE	<1	<4	<10	<25	<400
BROMOMETHANE	<10	<40	<100	<250	<4000
CHLOROETHANE	<1	<4	<10	<25	<400
ACETONE	<10	<40	<100	<250	<4000
1,1-DICHLOROETHYLENE	<1	<4	<10	<25	<400
METHYLENE CHLORIDE	<5	<20	<50	<125	<2000
CARBON DISULFIDE	<1	<4	<10	<25	<400
TRANS-1,2-DICHLOROETHYLENE	<1	<4	<10	<25	<400
1,1-DICHLOROETHANE	<1	<4	<10	<25	<400
CIS-1,2-DICHLOROETHYLLENE	<1	<4	<10	<25	<400
CHLOROFORM	<1	<4	<10	<25	<400
2-BUTANONE (mek)	<10	<40	<100	<250	<4000
1,1,1-TRICHLORETHANE	<1	<4	<10	<25	<400
CARBON TETRACHLORIDE	<1	<4	<10	<25	<400
1,2-DICHLOROETHANE	<1	<4	<10	<25	<400
BENZENE	<1	<4	<10	<25	<400
TRICHLOROETHENE	<1	<4	<10	<25	<400
1,2-DICHLOROPROPANE	<1	<4	<10	<25	<400
BROMODICHLOROMETHANE	<1	<4	<10	<25	<400
4-METHYL-2-BUTANONE (MIBK)	<10	<40	<100	<250	<4000
CIS-1,3-DICHLOROPROPENE	<1	<4	<10	<25	<400
TOLUENE	<1	<4	<10	<25	<400
TRANS-1,3-DICHLOROPROPENE	<1	<4	<10	<25	<400
2-HEXANONE (MBK)	<10	<40	<100	<250	<4000
1,1,2-TRICHLOROETHANE	<1	<4	<10	<25	<400
TETRACHLOROETHENE	<1	<4	<10	<25	<400
DIBROMOCHLOROMETHANE	<1	<4	<10	<25	<400
CHLOROBENZENE	<1	<4	<10	<25	<400
ETHYLBENZENE	<1	<4	<10	<25	<400
XYLENES (TOTAL)	<1	<4	<10	<25	<400
STYRENE	<1	<4	<10	<25	<400
BROMOFORM	<5	<20	<50	<125	<2000
1,1,2,2-TETRACHLOROETHANE	<1	<4	<10	<25	<400
1,2-DICHLOROETHENE (TOTAL)	<1	<4	<10	<25	<400
VINYL ACETATE	<10	<40	<100	<250	<4000
2-CHLOROETHYL VINYL ETHER	<10	<40	<100	<250	<4000

QUANT REPORT

Operator ID: ANN
Output File: ^P7900::01
Data File: >P7900::V2
Name: 407258-08
Misc: 100UL/5ML 50X

Quant Rev: 7
Quant Time: 940726 05:10
Injected at: 940726 04:43
Dilution Factor: 1.00000
Instrument ID: *DOSM5

ID File: ID1VOA::SC
Title: Analytical Technologies, Inc.
Last Calibration: 940725 11:50
Last Qcal Time: 940725 09:46

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	10.12	128.1	86804	50.00	ug/L	98
10)	Acetone	6.52	43.0	9018	~~21.55~~	~~ug/L~~ NSF	75
20)	*1,4-Difluorobenzene	11.44	114.0	427215	50.00	ug/L	100
21)	1,1,1-Trichloroethane	10.39	97.0	6086	1.45	ug/L	87
26)	Trichloroethene	11.90	130.0	3934	1.32	ug/L	61
32)	*Chlorobenzene-d5	16.00	117.0	338768	50.00	ug/L	91

* Compound is ISTD

QUANT REPORT

Operator ID: ANN
Output File: ^P7968::O1
Data File: >P7968::V2
Name: 407256-08
Misc: 25ML

Quant Rev: 7
Quant Time: 940729 16:05
Injected at: 940729 15:38
Dilution Factor: 1.00000
Instrument ID: *DOSM5

ID File: IDVLOW::SC
Title: Analytical Technologies, Inc.
Last Calibration: 930728 12:00
Last Qcal Time: 940729 08:30

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	10.08	128.1	43463	10.00	ug/L	93
9)	Methylene Chloride	7.45	84.0	5593	~~.624~~ ug/L	BR	94
12)	1,1-Dichloroethene	6.60	96.0	232465	- 17.69	ug/L	94
15)	1,1-Dichloroethane	8.61	63.1	5496	~~.232~~ ug/L	DOL	64
18)	1,2-Dichloroethane-d4	10.90	65.1	52256	9.35	ug/L	76
20)	*1,4-Difluorobenzene	11.40	114.0	421137	10.00	ug/L	100
22)	1,1,1-Trichloroethane	10.35	97.0	1122048	- 43.70	ug/L	94
27)	Trichloroethene	11.90	130.0	875605	- 50.29	ug/L	88
34)	*Chlorobenzene-d5	15.97	117.0	272966	10.00	ug/L	89
37)	Tetrachloroethene	14.69	164.0	13549	~~.042~~ ug/L	NDL	90
40)	Toluene-d8	13.64	98.2	416018	9.94	ug/L	98
46)	Bromofluorobenzene	18.09	95.1	194116	9.55	ug/L	100

* Compound is ISTD

QUANT REPORT

Operator ID: ANN
Output File: ^P7972::O1
Data File: >P7972::V2
Name: 407256-08
Misc: 12.5ML/5ML 2X

Quant Rev: 7
Quant Time: 940729 18:29
Injected at: 940729 17:57
Dilution Factor: 1.00000
Instrument ID: *DOSM5

ID File: IDVLOW::SC
Title: Analytical Technologies, Inc.
Last Calibration: 930728 12:00
Last Qcal Time: 940729 08:30

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*Bromochloromethane	10.08	128.1	41030	10.00	ug/L	95
9)	Methylene Chloride	7.49	84.0	4974	~~.597~~	~~ug/L~~	99
11)	Carbon Disulfide	7.49	76.0	10912	~~.219~~	~~ug/L~~	100
12)	1,1-Dichloroethene	6.60	96.0	28851	- 2.33	ug/L	96
18)	1,2-Dichloroethane-d4	10.90	65.1	48264	9.15	ug/L	78
20)	*1,4-Difluorobenzene	11.40	114.0	393133	10.00	ug/L	100
22)	1,1,1-Trichloroethane	10.35	97.0	178017	- 7.43	ug/L	93
27)	Trichloroethene	11.90	130.0	205006	- 12.61	ug/L	87
34)	*Chlorobenzene-d5	16.00	117.0	252840	10.00	ug/L	94
40)	Toluene-d8	13.64	98.2	385010	9.93	ug/L	97
46)	Bromofluorobenzene	18.09	95.1	184262	9.79	ug/L	100

* Compound is ISTD

DATE: 7-25-94 GC COLUMN: 105m VOCOL 0.53mm VISS: NA MATRIX SPIKE: N/A

SHIFT 2ND EM VOLTS: 1900 SURR: N/A ADDITIONAL STDS: N/A

INST ID: M5 INT STD: 12-MS77-1

	TIME	OPER INIT	GC PROG	FILE ID	SAMPLE ID	As Na	MATRIX	ALIQUOT VOL	DIL	IS 1 AREA	RUN OK?	COMMENTS, HITS
1.	2040	CV	RUA	>P 7886	407752-01	7	H2O	100/1ml	50X	107	N	clean RRX
2.	2120			>P 7887	-02	8				91	N	clean RR X
3.	2154			>P 7888	-03	9				102	N	clean RR X
4.	2229			>P 7889	-04	10				92	N	small/med HC's pass C/O
5.	2362			>P 7890	BLANK	11		5ml	1X	89	N	clean
6.	2337			>P 7891	BLANK	12				86	N	Small HC C/O
7.	0011			>P 7892	407752-05	13		100/1ml	50X	78	N	8 HC's pass C/O RRX
8.	0045			>P 7893	407756-01	14				55	N	407756-01 17 TCE RRX really dirty
9.	0119			>P 7894	407756-02	15				69	N	407756 -02 18 TCE 1 NITRA SC/ RR 5X really
10.	0153			>P 7895	-03	16				81	N	-03 2 TCE RR 1X
11.	0227			>P 7896	-04	1				92	N	-04 clu RR 1X
12.	0301			>P 7897	-05	3				84	N	-05 3 NITRA 5 TCE RR 2X
13.	0335			>P 7898	-06	4				88	N	-06 1 TCE 1X
14.	0409			>P 7899	-07	7				97	N	-07 2/4 NITRA 50 TCE 2 TCE RR 100X
15.	0443			>P 7900	-08	8				87	N	-08 1 NITRA 1 TCE 1X
16.				>P								
17.				>P								
18.				>P								
19.				>P								
20.				>P								
21.				>P								
22.				>P								
23.				>P								

004143

WORKED UP BY CV DATE 7.27.94 REVIEWED BY [illegible] DATE 7-26-94

ATIFRM503 (11/91)

DATE: 7-29-94 GC COLUMN: 105m VOCOL 0.53mm VISS: 12-MS-94-1 MATRIX SPIKE: 12-MS-94-2

SHIFT: 1ST EM VOLTS: 1900 SURR: ADDITIONAL STDS:

INST ID: MS INT STD: NA

	TIME	OPER INIT	GC PROG	FILE ID	SAMPLE ID	As Na	MATRIX	ALIQUOT VOL	DIL	IS 1 AREA	RUN OK?	TIC?	COMMENTS, HITS
1.	0816	SVS	BFB	>P7957	50ng BFB	D	12-MS-94-1	1µl	–	–	Y	–	
2.	0850		8010A	>P7958	50ppb VOA std	S	12-MS-92-1 12-MS-92-2	5ml/25ml	–	32	Y	–	
3.	0921			>P7959	5 WBSA 0729	3	11/20	25ml	1X	32	Y	–	ok 51456
4.	0955			>P7960	5 WBSA 0729	4				43	Y	–	ok 41787
5.	1037			>P7961	407261-06	7				40	Y	–	ok pH < 1
6.	1137			>P7962	-06MS	8				35	Y	–	ok
7.	1211			>P7963	-06MSD	9				41	Y	–	ok
8.	1246			>P7964	407256-09	14				34	Y	–	ok
9.	1320			>P7965	-10	15				32	Y	–	ok
10.	1554			>P7966	-04MS	16				34	Y	–	ok 65527
11.	1504			>P7967	-04MSD	3				32	Y	–	ok
12.	1538			>P7968	-08	4				43	N	–	44 HITCA 50TCE RE 2X
13.	1612			>P7969	-06	13		2.5ml/25ml	10X	27	N	–	2 HITCA 6 TCE
14.	1648			>P7970	BLANK	7		25ml	1X	6	N	–	BLANK
15.	1712			>P7971	407257-01	8		2.50ml/25ml	100X	36	Y	–	~~407256-08~~ 2X 12TCE 2HITCA
16.	1757			>P7972	407256-08	4		12.5ml/25ml	2X	41	N	–	no more sample! 12TCE
17.	1831			>P7973	407256-06	9		12.5ml/25ml	2X	38	Y	–	27TCE
18.													
19.													
20.													
21.													
22.													
23.													

00414A

ATIFRM508 (11/91)

WORKED UP BY [signature] DATE 7-29-94 REVIEWED BY [signature] 10/04/94 DATE

Analytical Technologies, Inc.

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

ATI I.D. **407382**

August 10, 1994

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

Project Name/Number: STATE WELLS 3Q94 72094

Attention: John Wakefield

On **07/20/94**, 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.

Samples MW-14 and MW-9 were received at ATI, Phoenix past EPA holding time for hexavalent chromium.

Total Organic Halide analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

EPA Method 8240 and Total Kjeldahl Nitrogen analyses were performed by Analytical Technologies, Inc., 5550 Morehouse Drive, San Diego, CA.

EPA Method 150.1 analyses for all samples except MW-15 were performed by Analytical Technologies, Inc., Albuquerque, NM.

EPA Method 150.1 analysis for sample MW-15 and all other analyses were performed by Analytical Technologies, Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

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.

CLIENT : SPARTON TECHNOLOGY, INC. DATE RECEIVED : 07/20/94
PROJECT # : 72094
PROJECT NAME : STATE WELLS 3Q94 REPORT DATE : 08/10/94

ATI ID: 407382

	ATI ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	407382-01	MW-14	AQUEOUS	07/20/94
02	407382-02	MW-9	AQUEOUS	07/20/94
03	407382-03	MW-19	AQUEOUS	07/20/94
04	407382-04	MW-20	AQUEOUS	07/20/94
05	407382-05	MW-21	AQUEOUS	07/20/94
06	407382-06	MW-15	AQUEOUS	07/20/94
07	407382-07	MW-16	AQUEOUS	07/20/94
08	407382-08	MW-22	AQUEOUS	07/20/94
09	407382-09	FIELD BLANK	AQUEOUS	07/20/94
10	407382-10	TRIP BLANK	AQUEOUS	07/12/94

---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.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY, INC.	ATI I.D.	: 407382
PROJECT #	: 72094	DATE RECEIVED	: 07/20/94
PROJECT NAME	: STATE WELLS 3Q94	DATE ANALYZED	: 07/22/94

PARAMETER	UNITS	01	02	03	04
PH (150.1)	UNITS	7.16	7.24	7.26	7.38

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY, INC.	ATI I.D.	: 407382
PROJECT #	: 72094	DATE RECEIVED	: 07/20/94
PROJECT NAME	: STATE WELLS 3Q94	DATE ANALYZED	: 07/22/94

PARAMETER	UNITS	05	07	08	09
PH (150.1)	UNITS	7.54	7.54	7.55	8.85

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY, INC.	ATI I.D.	: 407382
PROJECT #	: 72094	DATE RECEIVED	: 07/20/94
PROJECT NAME	: STATE WELLS 3Q94	DATE ANALYZED	: 07/22/94

PARAMETER	UNITS	10
PH (150.1)	UNITS	8.69

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY, INC. ATI I.D. : 407382

PROJECT # : 72094 SAMPLE MATRIX : AQUEOUS

PROJECT NAME : STATE WELLS 3Q94

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PH	UNITS	40738202	7.24	7.28	0.55	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.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 407382

CLIENT : SPARTON TECH., INC.
PROJECT # : 72094
PROJECT NAME : STATE WELLS 3Q94

DATE RECEIVED : 07/20/94
REPORT DATE : 08/10/94

PARAMETER	UNITS	01	02	03	04	05
CHLORIDE (EPA 325.2)	MG/L	44	16	16	24	20
CHROMIUM HEXAVALENT EPA 7196	MG/L	0.6	<0.02	<0.02	<0.02	<0.02
CONDUCTIVITY, (UMHOS/CM)		793	737	676	610	613
NITRATE AS N (EPA 353.2)	MG/L	26	7.8	4.7	0.87	3.2
SULFATE (EPA 375.2)	MG/L	180	170	120	93	88
KJELDAHL NITROGEN (351.2)	MG/L	<0.10	0.90	0.15	0.11	<0.50

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 407382

CLIENT : SPARTON TECH., INC.
PROJECT # : 72094
PROJECT NAME : STATE WELLS 3Q94

DATE RECEIVED : 07/20/94
REPORT DATE : 08/10/94

PARAMETER	UNITS	06	07	08	09	10
CHLORIDE (EPA 325.2)	MG/L	35	102	22	<0.5	<0.5
CHROMIUM HEXAVALENT EPA 7196	MG/L	<0.02	0.4	<0.02	<0.02	<0.02
CONDUCTIVITY, (UMHOS/CM)		634	1340	678	31	1.12
NITRATE AS N (EPA 353.2)	MG/L	4.3	5.1	5.4	<0.06	<0.06
PH (EPA 150.1)	UNITS	8.1	-	-	-	-
SULFATE (EPA 375.2)	MG/L	96	230	95	<5	<5
KJELDAHL NITROGEN (351.2)	MG/L	<0.10	73.3	0.18	0.12	<0.10

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECH., INC.
PROJECT # : 72094
PROJECT NAME : STATE WELLS 3Q94 ATI I.D. : 407382

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
CHLORIDE	MG/L	40738203	16	16	0	36	20	100
CHROMIUM HEXAVALENT	MG/L	40738208	<0.02	<0.02	NA	0.17	0.15	113
CONDUCTIVITY(UMHOS/CM)		40738201	793	790	0.4	NA	NA	NA
NITRATE AS NITROGEN	MG/L	40738201	26	26	0	75	50	98
PH	UNITS	40779501	7.2	7.2	0	NA	NA	NA
SULFATE	MG/L	40783705	92	93	1	200	100	108
SULFATE	MG/L	40738203	120	120	0	170	50	100
SULFATE	MG/L	40788901	29	29	0	48	20	95
TOTAL KJELDAHL NITROGE	MG/L	40849902	<0.10	<0.10	0	1.0	1.0	100
TOTAL KJELDAHL NITROGE	MG/L	40738209	0.12	0.11	9	1.1	1.0	98

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

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

Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 407382

CLIENT : SPARTON TECH., INC.
PROJECT # : 72094
PROJECT NAME : STATE WELLS 3Q94

DATE RECEIVED : 07/20/94
REPORT DATE : 08/10/94

PARAMETER	UNITS	01	02	03	04	05
BORON (EPA 200.7/6010)	MG/L	1.23	0.91	0.14	0.11	0.14
CHROMIUM (EPA 200.7/6010)	MG/L	0.573	<0.010	<0.010	<0.010	<0.010
TRIVALENT CHROMIUM (EPA 7196	MG/L	<0.02	<0.02	<0.02	<0.02	<0.02
MANGANESE (EPA 200.7/6010)	MG/L	<0.010	0.056	0.014	0.830	<0.010
SODIUM (EPA 200.7/6010)	MG/L	66.8	74.8	57.9	49.5	49.1
NICKEL (EPA 200.7/6010)	MG/L	<0.020	<0.020	<0.020	<0.020	<0.020

Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 407382

CLIENT : SPARTON TECH., INC.
PROJECT # : 72094
PROJECT NAME : STATE WELLS 3Q94

DATE RECEIVED : 07/20/94
REPORT DATE : 08/10/94

PARAMETER	UNITS	06	07	08	09	10
BORON (EPA 200.7/6010)	MG/L	0.15	2.71	0.22	<0.10	<0.10
CHROMIUM (EPA 200.7/6010)	MG/L	<0.010	0.376	<0.010	<0.010	<0.010
TRIVALENT CHROMIUM (EPA 7196	MG/L	<0.02	<0.02	<0.02	<0.02	<0.02
MANGANESE (EPA 200.7/6010)	MG/L	<0.010	0.020	0.019	<0.010	<0.010
SODIUM (EPA 200.7/6010)	MG/L	50.3	94.1	54.1	<0.1	<0.1
NICKEL (EPA 200.7/6010)	MG/L	<0.020	0.068	<0.020	<0.020	<0.020

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

CLIENT : SPARTON TECH., INC.
PROJECT # : 72094
PROJECT NAME : STATE WELLS 3Q94 ATI I.D. : 407382

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
BORON	MG/L	40738203	0.14	0.14	0	1.12	1.00	98
CHROMIUM	MG/L	40738204	<0.010	<0.010	NA	0.933	1.00	93
MANGANESE	MG/L	40738204	0.830	0.833	0.4	1.75	1.00	92
SODIUM	MG/L	40738203	57.9	57.5	0.7	106	50.0	96
NICKEL	MG/L	40738204	<0.020	<0.020	NA	0.912	1.00	91

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

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

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : ANALYTICAL TECHNOLOGIES, INC. ATI I.D. : 407256
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	407382-01	WATER	20-JUL-94	N/A	31-JUL-94	25.00
2	407382-02	WATER	20-JUL-94	N/A	31-JUL-94	25.00
3	407382-03	WATER	20-JUL-94	N/A	31-JUL-94	4.00

Parameter	Units	1	2	3
CHLOROMETHANE	UG/L	<250	<250	<40
VINYL CHLORIDE	UG/L	<25	<25	<4
BROMOMETHANE	UG/L	<250	<250	<40
CHLOROETHANE	UG/L	<25	<25	<4
ACETONE	UG/L	<250	<250	<40
1,1-DICHLOROETHENE	UG/L	34	50	2J
METHYLENE CHLORIDE	UG/L	<130	<130	<20
CARBON DISULFIDE	UG/L	<25	<25	<4
TRANS-1,2-DICHLOROETHENE	UG/L	<25	<25	<4
1,1-DICHLOROETHANE	UG/L	<25	<25	<4
CIS-1,2-DICHLOROETHENE	UG/L	<25	<25	<4
CHLOROFORM	UG/L	<25	<25	<4
2-BUTANONE (MEK)	UG/L	<250	<250	<40
1,1,1-TRICHLOROETHANE	UG/L	12J	91	<4
CARBON TETRACHLORIDE	UG/L	<25	<25	<4
1,2-DICHLOROETHANE	UG/L	<25	<25	<4
BENZENE	UG/L	<25	<25	<4
TRICHLOROETHENE	UG/L	730	750	61
1,2-DICHLOROPROPANE	UG/L	<25	<25	<4
BROMODICHLOROMETHANE	UG/L	<25	<25	<4
4-METHYL-2-PENTANONE (MIBK)	UG/L	<250	<250	<40
CIS-1,3-DICHLOROPROPENE	UG/L	<25	<25	<4
TOLUENE	UG/L	<25	<25	<4
TRANS-1,3-DICHLOROPROPENE	UG/L	<25	<25	<4
2-HEXANONE (MBK)	UG/L	<250	<250	<40
1,1,2-TRICHLOROETHANE	UG/L	<25	<25	<4
TETRACHLOROETHENE	UG/L	<25	<25	<4
DIBROMOCHLOROMETHANE	UG/L	<25	<25	<4
CHLOROBENZENE	UG/L	<25	<25	<4
ETHYLBENZENE	UG/L	<25	<25	<4
XYLENES (TOTAL)	UG/L	<25	<25	<4
STYRENE	UG/L	<25	<25	<4
BROMOFORM	UG/L	<130	<130	<20
1,1,2,2-TETRACHLOROETHANE	UG/L	<25	<25	<4
1,2-DICHLOROETHENE (TOTAL)	UG/L	<25	<25	<4
VINYL ACETATE	UG/L	<250	<250	<40
2-CHLOROETHYLVINYLETHER	UG/L	<250	<250	<40

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : ANALYTICAL TECHNOLOGIES, INC. ATI I.D. : 407256
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	407382-01	WATER	20-JUL-94	N/A	31-JUL-94	25.00
2	407382-02	WATER	20-JUL-94	N/A	31-JUL-94	25.00
3	407382-03	WATER	20-JUL-94	N/A	31-JUL-94	4.00

Parameter	Units	1	2	3
SURROGATES				
1,2-DICHLOROETHANE-D4	%	99	98	98
TOLUENE-D8	%	99	100	101
BFB	%	91	88	89

Analytical Technologies, Inc.

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Method : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : ANALYTICAL TECHNOLOGIES, INC. ATI I.D.: 407256
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Sample	Parameters	Units	Results
1	NONE DETECTED	N/A	N/A
2	NONE DETECTED	N/A	N/A
3	NONE DETECTED	N/A	N/A

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : ANALYTICAL TECHNOLOGIES, INC. ATI I.D. : 407256
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	407382-04	WATER	20-JUL-94	N/A	31-JUL-94	1.00
5	407382-05	WATER	20-JUL-94	N/A	31-JUL-94	10.00
6	407382-06	WATER	20-JUL-94	N/A	31-JUL-94	1.00

Parameter	Units	4	5	6
CHLOROMETHANE	UG/L	<10	<100	<10
VINYL CHLORIDE	UG/L	<1	<10	<1
BROMOMETHANE	UG/L	<10	<100	<10
CHLOROETHANE	UG/L	<1	<10	<1
ACETONE	UG/L	<10	<100	<10
1,1-DICHLOROETHENE	UG/L	<1	17	2
METHYLENE CHLORIDE	UG/L	<5	<50	<5
CARBON DISULFIDE	UG/L	<1	<10	<1
TRANS-1,2-DICHLOROETHENE	UG/L	<1	<10	<1
1,1-DICHLOROETHANE	UG/L	<1	<10	<1
CIS-1,2-DICHLOROETHENE	UG/L	<1	<10	<1
CHLOROFORM	UG/L	<1	<10	<1
2-BUTANONE (MEK)	UG/L	<10	<100	<10
1,1,1-TRICHLOROETHANE	UG/L	<1	110	15
CARBON TETRACHLORIDE	UG/L	<1	<10	<1
1,2-DICHLOROETHANE	UG/L	<1	<10	<1
BENZENE	UG/L	<1	<10	<1
TRICHLOROETHENE	UG/L	8	210	52
1,2-DICHLOROPROPANE	UG/L	<1	<10	<1
BROMODICHLOROMETHANE	UG/L	<1	<10	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<10	<100	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<1	<10	<1
TOLUENE	UG/L	<1	<10	<1
TRANS-1,3-DICHLOROPROPENE	UG/L	<1	<10	<1
2-HEXANONE (MBK)	UG/L	<10	<100	<10
1,1,2-TRICHLOROETHANE	UG/L	<1	<10	<1
TETRACHLOROETHENE	UG/L	<1	<10	<1
DIBROMOCHLOROMETHANE	UG/L	<1	<10	<1
CHLOROBENZENE	UG/L	<1	<10	<1
ETHYLBENZENE	UG/L	<1	<10	<1
XYLENES (TOTAL)	UG/L	<1	<10	<1
STYRENE	UG/L	<1	<10	<1
BROMOFORM	UG/L	<5	<50	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<1	<10	<1
1,2-DICHLOROETHENE (TOTAL)	UG/L	<1	<10	<1
VINYL ACETATE	UG/L	<10	<100	<10
2-CHLOROETHYLVINYLETHER	UG/L	<10	<100	<10

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : ANALYTICAL TECHNOLOGIES, INC. ATI I.D. : 407256
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	407382-04	WATER	20-JUL-94	N/A	31-JUL-94	1.00
5	407382-05	WATER	20-JUL-94	N/A	31-JUL-94	10.00
6	407382-06	WATER	20-JUL-94	N/A	31-JUL-94	1.00

Parameter	Units	4	5	6
SURROGATES				
1,2-DICHLOROETHANE-D4	%	97	94	98
TOLUENE-D8	%	94	102	99
BFB	%	88	89	85

Analytical Technologies, Inc.

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Method : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : ANALYTICAL TECHNOLOGIES, INC. ATI I.D.: 407256
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Sample	Parameters	Units	Results
4	NONE DETECTED	N/A	N/A
5	NONE DETECTED	N/A	N/A
6	NONE DETECTED	N/A	N/A

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : ANALYTICAL TECHNOLOGIES, INC. ATI I.D. : 407256
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
7	407382-07	WATER	20-JUL-94	N/A	31-JUL-94	400.00
8	407382-08	WATER	20-JUL-94	N/A	29-JUL-94	1.00
9	407382-09	WATER	20-JUL-94	N/A	29-JUL-94	1.00

Parameter	Units	7	8	9
CHLOROMETHANE	UG/L	<4000	<10	<10
VINYL CHLORIDE	UG/L	<400	<1	<1
BROMOMETHANE	UG/L	<4000	<10	<10
CHLOROETHANE	UG/L	<400	<1	<1
ACETONE	UG/L	<4000	<10	<10
1,1-DICHLOROETHENE	UG/L	230J	18	<1
METHYLENE CHLORIDE	UG/L	<2000	<5	<5
CARBON DISULFIDE	UG/L	<400	<1	<1
TRANS-1,2-DICHLOROETHENE	UG/L	<400	<1	<1
1,1-DICHLOROETHANE	UG/L	<400	<1	<1
CIS-1,2-DICHLOROETHENE	UG/L	<400	<1	<1
CHLOROFORM	UG/L	<400	<1	<1
2-BUTANONE (MEK)	UG/L	<4000	<10	<10
1,1,1-TRICHLOROETHANE	UG/L	3700	44E	<1
CARBON TETRACHLORIDE	UG/L	<400	<1	<1
1,2-DICHLOROETHANE	UG/L	<400	<1	<1
BENZENE	UG/L	<400	<1	<1
TRICHLOROETHENE	UG/L	11000	50E	<1
1,2-DICHLOROPROPANE	UG/L	<400	<1	<1
BROMODICHLOROMETHANE	UG/L	<400	<1	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<4000	<10	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<400	<1	<1
TOLUENE	UG/L	<400	<1	<1
TRANS-1,3-DICHLOROPROPENE	UG/L	<400	<1	<1
2-HEXANONE (MBK)	UG/L	<4000	<10	<10
1,1,2-TRICHLOROETHANE	UG/L	<400	<1	<1
TETRACHLOROETHENE	UG/L	96J	<1	<1
DIBROMOCHLOROMETHANE	UG/L	<400	<1	<1
CHLOROBENZENE	UG/L	<400	<1	<1
ETHYLBENZENE	UG/L	<400	<1	<1
XYLENES (TOTAL)	UG/L	<400	<1	<1
STYRENE	UG/L	<400	<1	<1
BROMOFORM	UG/L	<2000	<5	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<400	<1	<1
1,2-DICHLOROETHENE (TOTAL)	UG/L	<400	<1	<1
VINYL ACETATE	UG/L	<4000	<10	<10
2-CHLOROETHYLVINYLETHER	UG/L	<4000	<10	<10

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : ANALYTICAL TECHNOLOGIES, INC. ATI I.D. : 407256
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
7	407382-07	WATER	20-JUL-94	N/A	31-JUL-94	400.00
8	407382-08	WATER	20-JUL-94	N/A	29-JUL-94	1.00
9	407382-09	WATER	20-JUL-94	N/A	29-JUL-94	1.00

Parameter	Units	7	8	9
SURROGATES				
1,2-DICHLOROETHANE-D4	%	99	94	89
TOLUENE-D8	%	100	99	98
BFB	%	84	96	96

Analytical Technologies, Inc.

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Method : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : ANALYTICAL TECHNOLOGIES, INC. ATI I.D.: 407256
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Sample	Parameters	Units	Results
7	NONE DETECTED	N/A	N/A
8	NONE DETECTED	N/A	N/A
9	NONE DETECTED	N/A	N/A

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : ANALYTICAL TECHNOLOGIES, INC. ATI I.D. : 407256
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
10	407382-10 (TB)	WATER	20-JUL-94	N/A	29-JUL-94	1.00

Parameter	Units	10
CHLOROMETHANE	UG/L	<10
VINYL CHLORIDE	UG/L	<1
BROMOMETHANE	UG/L	<10
CHLOROETHANE	UG/L	<1
ACETONE	UG/L	<10
1,1-DICHLOROETHENE	UG/L	<1
METHYLENE CHLORIDE	UG/L	<5
CARBON DISULFIDE	UG/L	<1
TRANS-1,2-DICHLOROETHENE	UG/L	<1
1,1-DICHLOROETHANE	UG/L	<1
CIS-1,2-DICHLOROETHENE	UG/L	<1
CHLOROFORM	UG/L	<1
2-BUTANONE (MEK)	UG/L	<10
1,1,1-TRICHLOROETHANE	UG/L	<1
CARBON TETRACHLORIDE	UG/L	<1
1,2-DICHLOROETHANE	UG/L	<1
BENZENE	UG/L	<1
TRICHLOROETHENE	UG/L	<1
1,2-DICHLOROPROPANE	UG/L	<1
BROMODICHLOROMETHANE	UG/L	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<1
TOLUENE	UG/L	<1
TRANS-1,3-DICHLOROPROPENE	UG/L	<1
2-HEXANONE (MBK)	UG/L	<10
1,1,2-TRICHLOROETHANE	UG/L	<1
TETRACHLOROETHENE	UG/L	<1
DIBROMOCHLOROMETHANE	UG/L	<1
CHLOROBENZENE	UG/L	<1
ETHYLBENZENE	UG/L	<1
XYLENES (TOTAL)	UG/L	<1
STYRENE	UG/L	<1
BROMOFORM	UG/L	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<1
1,2-DICHLOROETHENE (TOTAL)	UG/L	<1
VINYL ACETATE	UG/L	<10
2-CHLOROETHYLVINYLETHER	UG/L	<10

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : ANALYTICAL TECHNOLOGIES, INC. ATI I.D. : 407256
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
10	407382-10 (TB)	WATER	20-JUL-94	N/A	29-JUL-94	1.00

Parameter	Units	10
SURROGATES		
1,2-DICHLOROETHANE-D4	%	97
TOLUENE-D8	%	98
BFB	%	95

Analytical Technologies, Inc. ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Method : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : ANALYTICAL TECHNOLOGIES, INC. ATI I.D.: 407256
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Sample Parameters		Units	Results
10	NONE DETECTED	N/A	N/A

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 31456
Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

ATI I.D. : 407256
Date Extracted: N/A
Date Analyzed : 29-JUL-94
Dil. Factor : 1.00

Parameters	Units	Results
CHLOROMETHANE	UG/L	<10
VINYL CHLORIDE	UG/L	<1
BROMOMETHANE	UG/L	<10
CHLOROETHANE	UG/L	<1
ACETONE	UG/L	<10
1,1-DICHLOROETHENE	UG/L	<1
METHYLENE CHLORIDE	UG/L	<5
CARBON DISULFIDE	UG/L	<1
TRANS-1,2-DICHLOROETHENE	UG/L	<1
1,1-DICHLOROETHANE	UG/L	<1
CIS-1,2-DICHLOROETHENE	UG/L	<1
CHLOROFORM	UG/L	<1
2-BUTANONE (MEK)	UG/L	<10
1,1,1-TRICHLOROETHANE	UG/L	<1
CARBON TETRACHLORIDE	UG/L	<1
1,2-DICHLOROETHANE	UG/L	<1
BENZENE	UG/L	<1
TRICHLOROETHENE	UG/L	<1
1,2-DICHLOROPROPANE	UG/L	<1
BROMODICHLOROMETHANE	UG/L	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<1
TOLUENE	UG/L	<1
TRANS-1,3-DICHLOROPROPENE	UG/L	<1
2-HEXANONE (MBK)	UG/L	<10
1,1,2-TRICHLOROETHANE	UG/L	<1
TETRACHLOROETHENE	UG/L	<1
DIBROMOCHLOROMETHANE	UG/L	<1
CHLOROBENZENE	UG/L	<1
ETHYLBENZENE	UG/L	<1
XYLENES (TOTAL)	UG/L	<1
STYRENE	UG/L	<1
BROMOFORM	UG/L	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<1
1,2-DICHLOROETHENE (TOTAL)	UG/L	<1
VINYL ACETATE	UG/L	<10
2-CHLOROETHYLVINYLETHER	UG/L	<10
SURROGATES		
1,2-DICHLOROETHANE-D4	%	87
TOLUENE-D8	%	100
BFB	%	94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 31456 ATI I.D. : 407256
Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 407382
Project Name: SPARTON/STATE WELLS 3094

Parameters	Units	Results
NONE DETECTED	N/A	N/A

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 31470
Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

ATI I.D. : 407256
Date Extracted: N/A
Date Analyzed : 31-JUL-94
Dil. Factor : 1.00

Parameters	Units	Results
CHLOROMETHANE	UG/L	<10
VINYL CHLORIDE	UG/L	<1
BROMOMETHANE	UG/L	<10
CHLOROETHANE	UG/L	<1
ACETONE	UG/L	<10
1,1-DICHLOROETHENE	UG/L	<1
METHYLENE CHLORIDE	UG/L	<5
CARBON DISULFIDE	UG/L	<1
TRANS-1,2-DICHLOROETHENE	UG/L	<1
1,1-DICHLOROETHANE	UG/L	<1
CIS-1,2-DICHLOROETHENE	UG/L	<1
CHLOROFORM	UG/L	<1
2-BUTANONE (MEK)	UG/L	<10
1,1,1-TRICHLOROETHANE	UG/L	<1
CARBON TETRACHLORIDE	UG/L	<1
1,2-DICHLOROETHANE	UG/L	<1
BENZENE	UG/L	<1
TRICHLOROETHENE	UG/L	<1
1,2-DICHLOROPROPANE	UG/L	<1
BROMODICHLOROMETHANE	UG/L	<1
4-METHYL-2-PENTANONE (MIBK)	UG/L	<10
CIS-1,3-DICHLOROPROPENE	UG/L	<1
TOLUENE	UG/L	<1
TRANS-1,3-DICHLOROPROPENE	UG/L	<1
2-HEXANONE (MBK)	UG/L	<10
1,1,2-TRICHLOROETHANE	UG/L	<1
TETRACHLOROETHENE	UG/L	<1
DIBROMOCHLOROMETHANE	UG/L	<1
CHLOROBENZENE	UG/L	<1
ETHYLBENZENE	UG/L	<1
XYLENES (TOTAL)	UG/L	<1
STYRENE	UG/L	<1
BROMOFORM	UG/L	<5
1,1,2,2-TETRACHLOROETHANE	UG/L	<1
1,2-DICHLOROETHENE (TOTAL)	UG/L	<1
VINYL ACETATE	UG/L	<10
2-CHLOROETHYLVINYLETHER	UG/L	<10
SURROGATES		
1,2-DICHLOROETHANE-D4	%	97
TOLUENE-D8	%	106
BFB	%	93

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK
ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 31470 ATI I.D. : 407256
Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

Parameters	Units	Results
NONE DETECTED	N/A	N/A

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

Analytical Technologies, Inc.

MSMSD

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
MSMSD # : 65327
Client : ANALYTICAL TECHNOLOGIES, INC.

Project # : 407382
Project Name: SPARTON/STATE WELLS 3Q94

ATI I.D. : 407256
Date Extracted: N/A
Date Analyzed : 29-JUL-94
Sample Matrix : WATER
REF I.D. : 407256-04

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RF
1,1-DICHLOROETHENE	UG/L	<1	10	13	130	13	130	0
BENZENE	UG/L	<1	10	11	110	10	100	10
TRICHLOROETHENE	UG/L	<8	10	20	200	20	200	0
TOLUENE	UG/L	<1	10	11	110	10	100	10
CHLOROBENZENE	UG/L	<1	10	11	110	11	110	0

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Res

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

Analytical Technologies, Inc.

BLANK SPIKE

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank Spike #: 48787
Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 407382
Project Name : SPARTON/STATE WELLS 3Q94

ATI I.D. : 407256
Date Extracted: N/A
Date Analyzed : 29-JUL-94
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
1,1-DICHLOROETHENE	UG/L	<1	13	10	130
BENZENE	UG/L	<1	10	10	100
TRICHLOROETHENE	UG/L	<1	11	10	110
TOLUENE	UG/L	<1	10	10	100
CHLOROBENZENE	UG/L	<1	10	10	100

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

Analytical Technologies, Inc.

BLANK SPIKE

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank Spike #: 48805
Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 407382
Project Name : SPARTON/STATE WELLS 3Q94

ATI I.D. : 407256
Date Extracted: N/A
Date Analyzed : 31-JUL-94
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
1,1-DICHLOROETHENE	UG/L	<1	11	10	110
BENZENE	UG/L	<1	10	10	100
TRICHLOROETHENE	UG/L	<1	11	10	110
TOLUENE	UG/L	<1	10	10	100
CHLOROBENZENE	UG/L	<1	11	10	110

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSION#: 407382

ATI'S DETECTION LIMITS FOR METHOD 8240 - AQUEOUS
1X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
CHLOROMETHANE	10
BROMOMETHANE	10
VINYL CHLORIDE	1
CHLOROETHANE	1
METHYLENE CHLORIDE	5
ACETONE	10
CARBON DISULFIDE	1
1,1-DICHLOROETHENE	1
1,1-DICHLOROETHANE	1
CHLOROFORM	1
1,2-DICHLOROETHANE	1
2-BUTANONE (MEK)	10
1,1,1-TRICHLOROETHANE	1
CARBON TETRACHLORIDE	1
VINYL ACETATE	10
BROMODICHLOROMETHANE	1
1,1,2,2-TETRACHLOROETHANE	1
1,2-DICHLOROPROPANE	1
TRANS-1,3-DICHLOROPROPENE	1
TRICHLOROETHENE	1
DIBROMOCHLOROMETHANE	1
1,1,2-TRICHLOROETHANE	1
BENZENE	1
CIS-1,3-DICHLOROPROPENE	1
2-CHLOROETHYLVINYLETHER	10
BROMOFORM	5
2-HEXANONE (MBK)	10
4-METHYL-2-PENTANONE (MIBK)	10
TETRACHLOROETHENE	1
TOLUENE	1
CHLOROBENZENE	1
ETHYLBENZENE	1
STYRENE	1
TOTAL XYLENES	1
CIS-1,2-DICHLOROETHENE	1
TRANS-1,2-DICHLROETHENE	1

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSION#: 407382

ATI'S DETECTION LIMITS FOR METHOD 8240 - AQUEOUS
4X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
CHLOROMETHANE	40
BROMOMETHANE	40
VINYL CHLORIDE	4
CHLOROETHANE	4
METHYLENE CHLORIDE	20
ACETONE	40
CARBON DISULFIDE	4
1,1-DICHLOROETHENE	4
1,1-DICHLOROETHANE	4
CHLOROFORM	4
1,2-DICHLOROETHANE	4
2-BUTANONE (MEK)	40
1,1,1-TRICHLOROETHANE	4
CARBON TETRACHLORIDE	4
VINYL ACETATE	40
BROMODICHLOROMETHANE	4
1,1,2,2-TETRACHLOROETHANE	4
1,2-DICHLOROPROPANE	4
TRANS-1,3-DICHLOROPROPENE	4
TRICHLOROETHENE	4
DIBROMOCHLOROMETHANE	4
1,1,2-TRICHLOROETHANE	4
BENZENE	4
CIS-1,3-DICHLOROPROPENE	4
2-CHLOROETHYLVINYLETHER	40
BROMOFORM	20
2-HEXANONE (MBK)	40
4-METHYL-2-PENTANONE (MIBK)	40
TETRACHLOROETHENE	4
TOLUENE	4
CHLOROBENZENE	4
ETHYLBENZENE	4
STYRENE	4
TOTAL XYLENES	4
CIS-1,2-DICHLOROETHENE	4
TRANS-1,2-DICHLROETHENE	4

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSION#: 407382

ATI'S DETECTION LIMITS FOR METHOD 8240 - AQUEOUS
10X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
CHLOROMETHANE	100
BROMOMETHANE	100
VINYL CHLORIDE	10
CHLOROETHANE	10
METHYLENE CHLORIDE	50
ACETONE	100
CARBON DISULFIDE	10
1,1-DICHLOROETHENE	10
1,1-DICHLOROETHANE	10
CHLOROFORM	10
1,2-DICHLOROETHANE	10
2-BUTANONE (MEK)	100
1,1,1-TRICHLOROETHANE	10
CARBON TETRACHLORIDE	10
VINYL ACETATE	100
BROMODICHLOROMETHANE	10
1,1,2,2-TETRACHLOROETHANE	10
1,2-DICHLOROPROPANE	10
TRANS-1,3-DICHLOROPROPENE	10
TRICHLOROETHENE	10
DIBROMOCHLOROMETHANE	10
1,1,2-TRICHLOROETHANE	10
BENZENE	10
CIS-1,3-DICHLOROPROPENE	10
2-CHLOROETHYLVINYLETHER	100
BROMOFORM	50
2-HEXANONE (MBK)	100
4-METHYL-2-PENTANONE (MIBK)	100
TETRACHLOROETHENE	10
TOLUENE	10
CHLOROBENZENE	10
ETHYLBENZENE	10
STYRENE	10
TOTAL XYLENES	10
CIS-1,2-DICHLOROETHENE	10
TRANS-1,2-DICHLROETHENE	10

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSION#: 407382

ATI'S DETECTION LIMITS FOR METHOD 8240 - AQUEOUS
25X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
CHLOROMETHANE	250
BROMOMETHANE	250
VINYL CHLORIDE	25
CHLOROETHANE	25
METHYLENE CHLORIDE	125
ACETONE	250
CARBON DISULFIDE	25
1,1-DICHLOROETHENE	25
1,1-DICHLOROETHANE	25
CHLOROFORM	25
1,2-DICHLOROETHANE	25
2-BUTANONE (MEK)	250
1,1,1-TRICHLOROETHANE	25
CARBON TETRACHLORIDE	25
VINYL ACETATE	250
BROMODICHLOROMETHANE	25
1,1,2,2-TETRACHLOROETHANE	25
1,2-DICHLOROPROPANE	25
TRANS-1,3-DICHLOROPROPENE	25
TRICHLOROETHENE	25
DIBROMOCHLOROMETHANE	25
1,1,2-TRICHLOROETHANE	25
BENZENE	25
CIS-1,3-DICHLOROPROPENE	25
2-CHLOROETHYLVINYLETHER	250
BROMOFORM	125
2-HEXANONE (MBK)	250
4-METHYL-2-PENTANONE (MIBK)	250
TETRACHLOROETHENE	25
TOLUENE	25
CHLOROBENZENE	25
ETHYLBENZENE	25
STYRENE	25
TOTAL XYLENES	25
CIS-1,2-DICHLOROETHENE	25
TRANS-1,2-DICHLROETHENE	25

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSION#: 407382

ATI'S DETECTION LIMITS FOR METHOD 8240 - AQUEOUS
400X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
CHLOROMETHANE	4000
BROMOMETHANE	4000
VINYL CHLORIDE	400
CHLOROETHANE	400
METHYLENE CHLORIDE	2000
ACETONE	4000
CARBON DISULFIDE	400
1,1-DICHLOROETHENE	400
1,1-DICHLOROETHANE	400
CHLOROFORM	400
1,2-DICHLOROETHANE	400
2-BUTANONE (MEK)	4000
1,1,1-TRICHLOROETHANE	400
CARBON TETRACHLORIDE	400
VINYL ACETATE	4000
BROMODICHLOROMETHANE	400
1,1,2,2-TETRACHLOROETHANE	400
1,2-DICHLOROPROPANE	400
TRANS-1,3-DICHLOROPROPENE	400
TRICHLOROETHENE	400
DIBROMOCHLOROMETHANE	400
1,1,2-TRICHLOROETHANE	400
BENZENE	400
CIS-1,3-DICHLOROPROPENE	400
2-CHLOROETHYLVINYLETHER	4000
BROMOFORM	2000
2-HEXANONE (MBK)	4000
4-METHYL-2-PENTANONE (MIBK)	4000
TETRACHLOROETHENE	400
TOLUENE	400
CHLOROBENZENE	400
ETHYLBENZENE	400
STYRENE	400
TOTAL XYLENES	400
CIS-1,2-DICHLOROETHENE	400
TRANS-1,2-DICHLROETHENE	400

Analytical Technologies, Inc.

TOTAL ORGANIC HALIDE

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Date Collected: 07/13,20/94

Client Name: ATI-NM

Date Extracted: 08/02/94

Client Project ID: STI -- 407382

Date Analyzed: 08/02/94

Lab Workorder Number: 94-07-213

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB94-07-213	100	< 20
MW-14	94-07-213-01	50	480
MW-9	94-07-213-02	100	570
MW-19	94-07-213-03	100	50
MW-20	94-07-213-04	100	< 20
MW-21	94-07-213-05	100	200
MW-15	94-07-213-06	100	50
MW-16	94-07-213-07	1	10600
MW-22	94-07-213-08	100	70
Field Blank	94-07-213-09	100	< 20
Trip Blank	94-07-213-10	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: 94-07-213-04

Sample Matrix: Water

Date Extracted: 08/02/94

Date Analyzed: 08/02/94

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS Percent Recovery
2,4,6-Trichlorophenol	200	< 20	200	100

TOTAL ORGANIC CARBON

Method 415.2

Analytical Technologies, Inc.

Lab Name: Analytical Technologies, Inc.

Date Collected: 07/13,20/94

Client Name: ATI-NM

Date Analyzed: 08/01/94

Client Project ID: STI -- 407382

Sample Matrix: Water

Lab Workorder Number: 94-07-312

Sample ID	Lab Sample ID	Volume Injected (mL)	TOC Conc. (mg/L)	TOC AVG	RPD
Reagent Blank	RB 94-07-213	1	< 1.0	< 1.0	N/A
MW-14	94-07-213-01	1	< 1.0		
	94-07-213-01DUP	1	< 1.0	< 1.0	N/A
MW-9	94-07-213-02	1	< 1.0		
	94-07-213-02DUP	1	< 1.0	< 1.0	N/A
MW-19	94-07-213-03	1	< 1.0		
	94-07-213-03DUP	1	< 1.0	< 1.0	N/A
MW-20	94-07-213-04	1	< 1.0		
	94-07-213-04DUP	1	< 1.0	< 1.0	N/A
MW-21	94-07-213-05	1	< 1.0		
	94-07-213-05DUP	1	< 1.0	< 1.0	N/A
MW-15	94-07-213-06	1	< 1.0		
	94-07-213-06DUP	1	< 1.0	< 1.0	N/A
MW-16	94-07-213-07	1	1		
	94-07-213-07DUP	1	1	1	0
MW-22	94-07-213-08	1	< 1.0		
	94-07-213-08DUP	1	< 1.0	< 1.0	N/A
Field Blank	94-07-213-09	1	< 1.0		
	94-07-213-09DUP	1	< 1.0	< 1.0	N/A
Trip Blank	94-07-213-10	1	< 1.0		
	94-07-213-10DUP	1	< 1.0	< 1.0	N/A

AnalyticalTechnologies, Inc., Albuquerque, NM
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CHAIN OF CUSTODY

DATE: 7-20-94 PAGE 1 OF 2

ATI LAB I.D. 407382

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

PROJECT MANAGER: John M. Wakefield

COMPANY: Spanton 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

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.C., Cl, SO_4, Cr^{+6}	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	TKN, NO_3	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)	TOX	TOC	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	7-20-94	0910	~~Hol~~ Aqueous	01					X	X				X	X				X		X	X											10
MW-9	"	0921	"	02					X	X				X	X				X		X	X											10
MW-19	"	1125	"	03					X	X				X	X				X		X	X											10
MW-20	"	1138	"	04					X	X				X	X				X		X	X											10
MW-21	"	1324	"	05					X	X				X	X				X		X	X											10
MW-15	"	1311	"	06					X	X				X	X				X		X	X											7
MW-16	"	1433	"	07					X	X				X	X				X		X	X											10
MW-22	"	1443	"	08					X	X				X	X				X		X	X											10
Field Blank	"	1505	"	09					X	X				X	X				X		X	X											10

004134

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.: ~~State Wells~~ 72094		NO. CONTAINERS	87
PROJ. NAME: State Wells 3Q94		CUSTODY SEALS	Y / N (NA)
P.O. NO.: 39945-01-08		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: Cot C Seals on Cooler

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 553	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date: 7-20-94	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: 18:53
Printed Name: Date:	Printed Name: Date:	Printed Name: Dianne Cutler Date: 7/20
Company:	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

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

CHAIN OF CUSTODY

DATE: 7-20-94 PAGE 2 OF 2

ATI LAB I.D. 407382

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

PROJECT MANAGER: John M. Wakefield

COMPANY: Spanton Tech Inc.
ADDRESS:
PHONE: Same
FAX: as
BILL TO: page 1
COMPANY:
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)	pH	F, Cl, SO4, Cr+6	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+6	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)	TOX	TOC	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	7/12		Aqueous	10					X	X				X	X				X	X	X	X											7

004185

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.: 72094		NO. CONTAINERS	7
PROJ. NAME: State Wells 1Q94		CUSTODY SEALS	Y / N / (NA)
P.O. NO.: 39945-01-08		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: Cof C Seals on Cooler

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: John M. Wakefield Time: 1553	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date: 7-20-94	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: Peter Time: 15:53
Printed Name: Date:	Printed Name: Date:	Printed Name: Diane Luther Date: 7/20/94
Company:	Company:	Analytical Technologies, Inc.

SAN DIEGO
FLAGS

ORGANICS

FLAG	MESSAGE DESCRIPTION
A	A TIC IS A SUSPECTED ALDOL-CONDENSATION PRODUCT
B	ANALYTE FOUND IN THE ASSOCIATED REAGENT BLANK
C	PESTICIDE, WHERE THE IDENTIFICATION WAS CONFIRMED BY GC/MS
CO	THESE COMPOUNDS CO-ELUTE AND ARE QUANTITATED AS ONE PEAK
D	COMPOUND IDENTIFIED IN AN ANALYSIS AT SECONDARY DILUTION
E	ANALYTE AMOUNT EXCEEDS THE CALIBRATION RANGE
J	ESTIMATED VALUE
H	QUANTIFIED AS DIESEL BUT CHROMATOGRAPHIC PATTERN DOES NOT MATCH THAT OF DIESEL
K	QUANTIFIED AS KEROSENE BUT CHROMATOGRAPHIC PATTERN DOES NOT MATCH THAT OF KEROSENE
L	QUANTIFIED AS GASOLINE BUT CHROMATOGRAPHIC PATTERN DOES NOT MATCH THAT OF GASOLINE
N	PRESUMPTIVE EVIDENCE OF A COMPOUND
P	PESTICIDE/AROCLOR TARGET ANALYTE, WHERE THERE IS GREATER THAN 25% DIFFERENCE FOR DETECTED CONCENTRATION BETWEEN 2 GC COLUMNS
TR	COMPOUND DETECTED AT AN UNQUANTIFIABLE TRACE LEVEL
U	COMPOUND WAS ANALYZED FOR BUT NOT DETECTED
X	SEE CASE NARRATIVE
Y	SEE CASE NARRATIVE
Z	SEE CASE NARRATIVE
*	OUTSIDE OF QUALITY CONTROL LIMITS
*D	COMPOUND ANALYZED FROM A SECONDARY ANALYSIS
*F	RESULT OUTSIDE OF ATI'S QUALITY CONTROL LIMITS
*G	RESULT OUTSIDE QUALITY CONTROL LIMITS. INSUFFICIENT SAMPLE FOR RE-EXTRACTION/ANALYSIS
*H	RESULT OUTSIDE OF LIMITS DUE TO SAMPLE MATRIX INTERFERENCE
*I	BECAUSE OF NECESSARY SAMPLE DILUTION, VALUE WAS OUTSIDE QC LIMITS
*K	DUE TO THE NECESSARY DILUTION OF THE SAMPLE, RESULT WAS NOT ATTAINABLE
*L	ANALYTE IS A SUSPECTED LAB CONTAMINANT
*P	A STANDARD WAS USED TO QUANTITATE THIS VALUE
*R	DATA IS NOT USABLE
*T	SURROGATE RECOVERY IS OUTSIDE QC CONTROL LIMITS. NO CORRECTIVE ACTION INDICATED BY METHOD
*V	SAMPLE RESULT IS >4X SPIKED CONCENTRATION, THEREFORE SPIKE IS NOT DETECTABLE
*Y	RESULT NOT ATTAINABLE DUE TO SAMPLE MATRIX INTERFERENCE
@A	RESULTS OUT OF LIMITS DUE TO SAMPLE NON-HOMOGENEITY
@C	*VARIABLE MESSAGE*
@D	RESULT COULD NOT BE CONFIRMED DUE TO MATRIX INTERFERENCE ON THE CONFIRMATION COLUMN
@E	RESULT MAY BE FALSELY ELEVATED DUE TO SAMPLE MATRIX INTERFERENCE
@F	RESULT OUTSIDE OF CONTRACT SPECIFIED QUALITY CONTROL LIMITS
@G	RESULT OUTSIDE OF CONTRACT SPECIFIED ADVISORY LIMITS
@H	DETECTION LIMIT ELEVATED DUE TO MATRIX INTERFERENCE
@M	RESULT NOT CONFIRMED BY U.V. DUE TO SAMPLE MATRIX INTERFERENCE
@N	RESULT NOT CONFIRMED BY FLUORESCENCE DUE TO SAMPLE MATRIX INTERFERENCE
@P	RESULT QUANTITATED USING FLUORESCENCE ONLY DUE TO THE LOW CONCENTRATION
@Q	DETECTION LIMIT ELEVATED DUE TO LIMITED SAMPLE FOR ANALYSIS
@T	RESULT DUE TO TCLP EXTRACTION MATRIX INTERFERENCE. NO QC LIMITS HAVE BEEN ESTABLISHED
@U	SAMPLE CHROMATOGRAM DOES NOT RESEMBLE COMMON FUEL HYDROCARBON FINGERPRINTS
@Z	SAMPLE CHROMATOGRAM DOES NOT RESEMBLE A FUEL HYDROCARBON

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE 7/21/94 PAGE 1 OF 2

NETWORK PROJECT MANAGER: BETH PROFFITT

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)	Volatile Organics GC/MS 8240	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
407382-01	7/20/94	0910	AQ	01						X																								2
-02		0921		02						X																								2
-03		11:25		03						X																								2
-04		11:38		04						X																								2
-05		13:24		05						X																								2
-06		13:11		06						X																								2
-07		14:33		07						X																								2
-08		14:43		08						X																								2
(Field Blank) -09		15:05		09						X																								2

004487

PROJECT INFORMATION	
PROJECT NUMBER:	407382
PROJECT NAME:	Spartan
QC LEVEL:	(STD) IV
QC REQUIRED:	MS MSD BLANK
TAT:	(STANDARD) RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	18
CHAIN OF CUSTODY SEALS	N
INTACT?	N/A
RECEIVED GOOD COND./COLD	Y/3.0°C
LAB NUMBER	407256

DUE DATE: 8/3/94
RUSH SURCHARGE: -0-
CLIENT DISCOUNT: 10 %

WO# LK894

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

RELINQUISHED BY: 1.
Signature: [illegible] Time: 17:30
Printed Name: Dianne Cutler Date: 7/21/94
Analytical Technologies, Inc. Albuquerque
Company:

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

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

RECEIVED BY: (LAB) 2.
Signature: [illegible] Time: 1100
Printed Name: J. Graham Date: 7/22/94
Company: ATI - SD

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody

DATE 7/21/94 PAGE 2 OF 2

NETWORK PROJECT MANAGER: BETH PROFFITT

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)	Volatile Inorganics 624/MS 624	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
407382-10(TB)	7/12	—	AQ	10						X																							1

004188

PROJECT INFORMATION	
PROJECT NUMBER:	407382
PROJECT NAME:	Spartan
QC LEVEL:	STD. IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	1
CHAIN OF CUSTODY SEALS	N
INTACT?	NA
RECEIVED GOOD COND./COLD	Y/3.0°
LAB NUMBER	407256

DUE DATE: 8/3/94
RUSH SURCHARGE: -0-
CLIENT DISCOUNT: 10 %

WO#LK894

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 17:30	Signature: Time:
Printed Name: Date 7/21/94	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 11:00
Printed Name: Date:	Printed Name: J. Gilchrist Date: 7/22/94
Company:	Company: ATI - SD

AnalyticalTechnologies,Inc. Albuquerque, NM

94 01-215

Chain of Custody

DATE 7/20/94 PAGE 1 OF 2

NETWORK PROJECT MANAGER: BETH PROFFITT

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
407382 -01	7/20	0910	Aq	01	X	X																			4
-02		0921		02	X	X																			4
-03		1125		03	X	X																			4
-04		1138		04	X	X																			4
* -05		1324		05	X	X																		2	4
-06		1311		06	X	X																			2
-07		1433		07	X	X																			4
-08		1443		08	X	X																			4
-09		1505		09	X	X																			4

TO.

004159

PROJECT INFORMATION	
PROJECT NUMBER:	407382
PROJECT NAME:	SFI
QC LEVEL:	STD. IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	32
CHAIN OF CUSTODY SEALS	N
INTACT?	NA
RECEIVED GOOD COND./COLD	N
LAB NUMBER	

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

DUE DATE: 8/3/94
RUSH SURCHARGE:
CLIENT DISCOUNT: 10 %

* 407382 -05 → 2 CONTAINERS WERE BROKEN DURING SHIPPING

Minimum Sample #6

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1700	Signature: Time:
Printed Name: Date 7/20/94	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company: AIRBORNE
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 9:30
Printed Name: Date:	Printed Name: C. Kelly Date: 7-21-94
Company: AIRBORNE	Company: ATI

AnalyticalTechnologies,Inc. Albuquerque, NM

94 07 21

Chain of Custody

DATE 7/20/94 PAGE 1 OF 1

NETWORK PROJECT MANAGER: BETH PROFFITT

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
407382-10	7/13	—	Ag	10	X	X																												2 TO

004190

PROJECT INFORMATION	
PROJECT NUMBER:	407382
PROJECT NAME:	STF
QC LEVEL: STD. IV	
QC REQUIRED: MS MSD BLANK	
TAT: STANDARD RUSHI	

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	32
CHAIN OF CUSTODY SEALS	N
INTACT?	NA
RECEIVED GOOD COND./COLD	N
LAB NUMBER	

DUE DATE: 8/3

RUSH SURCHARGE: —

CLIENT DISCOUNT: 10 %

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

RELINQUISHED BY: 1.
Signature: Time: 1700
Printed Name: Date 7/20/94
Analytical Technologies, Inc. Albuquerque
Company: AIRBORNE

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

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

RECEIVED BY: (LAB) 2.
Signature: Time: 4:30
Printed Name: Date: 7-21-94
Company: ATI

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody

DATE 7/20/94 PAGE 1 OF 2

NETWORK PROJECT MANAGER: BETH PROFFITT

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)	Pb	632/632 MOD	619/619 MOD	610/8310	EC, SO_4, Cl, CrT6	TKN, NO_3	8240 (TCLP 1311) ZHE	B, Mn, Ni, Na, CrT3	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
407382-01	7/20	910	AQ	1										X	X		X																	27
-02		921		2										X	X		X																	
-03		1125		3										X	X		X																	
-04		1138		4										X	X		X																	
-05		1324		5										X	X		X																	
-06		1311		6						X				X	X		X																	
-07		1433		7										X	X		X																	
-08		1443		8										X	X		X																	
-09		1505		9										X	X		X																	

004191

PROJECT INFORMATION	
PROJECT NUMBER:	407382
PROJECT NAME:	STF
QC LEVEL: STD. IV	
QC REQUIRED: MS MSD BLANK	
TAT: STANDARD RUSHI	

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	27
CHAIN OF CUSTODY SEALS	N
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	407382

DUE DATE: 8/3

RUSH SURCHARGE: —

CLIENT DISCOUNT: 10 %

WO UK 889

minimum sample 407382-06

SAMPLES SENT TO:
- SAN DIEGO
- FT. COLLINS
- RENTON
- PENSACOLA
- PHOENIX
- BARRINGER
- FIBERQUANT

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1700	Signature: Time:
Printed Name: Date 7/20/94	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	RECEIVED BY: (LAB) 1.
Signature: Time:	Signature: Time: 1021
Printed Name: Date:	Printed Name: MARGUERITE Date: 7/21/94
Company:	Company:

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody

DATE 7/24/94 PAGE 2 OF 2

NETWORK PROJECT MANAGER: BETH PROFFITT

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)	EC SO4 Cl Cr+6	632/632 MOD	619/619 MOD	610/8310	TKN NO3	B Mn Ni Na Cr+3	8240 (TCLP 1311) ZHE		Diesel/Gasoline/BTXE/MTBE/ (MOD 8015/8020)	Volatile Organics GC/MS (624/8240)		NACE	ASBESTOS		BOD	TOTAL COLIFORM	FECAL COLIFORM		GROSS ALPHA/BETA	RADIUM 226/228		AIR - O2, CO2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
407382-10	7/12	7	Aq	P						X				X	X																			3
	7/13																																	

004192

PROJECT INFORMATION	
PROJECT NUMBER:	407382
PROJECT NAME:	STI
QC LEVEL:	STD IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSHI

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	3
CHAIN OF CUSTODY SEALS	N
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	407382

DUE DATE: 8/3/94

RUSH SURCHARGE:

CLIENT DISCOUNT: 10 %

WOLK 889

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1700	Signature: Time:
Printed Name: Date 7/24/94	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 1021
Printed Name: Date:	Printed Name: MARGUERITE Date: 7/24/94
Company:	Company:

AnalyticalTechnologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 7/29/94 PAGE 1 OF 1

NETWORK PROJECT MANAGER: Amy Klinger

COMPANY: Analytical Technologies, Inc.
ADDRESS: 9830 S. 51st Street, Suite B-113
Phoenix, Arizona 85044

CLIENT PROJECT MANAGER: MT

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)		632/632 MOD	619/619 MOD	TKN		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, CO, N2	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
407382-01	7/20	910	Aq	01									X																			
02		921		02									X																			
03		1125		03									X																			
04		1138		04									X																			
05		1324		05									X																			
06		1311		06									X																			
07		1433		07									X																			
08		1443		08									X																			
09		1505		09									X																			

004193

PROJECT INFORMATION	
PROJECT NUMBER:	407382
PROJECT NAME:	
QC LEVEL: STD. IV	
TAT: STANDARD (RUSH)	
ATI WORKORDER #	

DUE DATE: 8/3/94
TIME:

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	9
CHAIN OF CUSTODY SEALS	N
INTACT?	NA
RECEIVED GOOD COND./COLD	Y/Y
LAB NUMBER	407355

SAMPLES SENT TO:	
SAN DIEGO	X
FT. COLLINS	
RENTON	
PENSACOLA	
PORTLAND	
AQUATIC	
ONLAB CONS	X

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Amy Kl Time: 6p	Signature: Time:
Printed Name: Amy Klinger Date 7/29/94	Printed Name: Date
Analytical Technologies, Inc. Phoenix	Company:
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 10:00
Printed Name: Date:	Printed Name: Lisa J Tucker Date: 7-30-94
Analytical Technologies, Inc.	Company: ATI-SD

COOLER # 8682 2.3°

ATI Labs: San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 7/29/94 PAGE 1 OF 1

NETWORK PROJECT MANAGER: Amy Klinger

COMPANY: Analytical Technologies, Inc.
ADDRESS: 9830 S. 51st Street, Suite B-113
Phoenix, Arizona 85044

CLIENT PROJECT MANAGER: MT

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TOX	TOC	ORGANIC LEAD	SULFIDE	SURFACTANTS (MBAS)	632/632 MOD	619/619 MOD	TKN	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, CO, N2	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
407382-10	7/12	—	Aq.	10								X													1

004194

PROJECT INFORMATION	
PROJECT NUMBER:	407382
PROJECT NAME:	
QC LEVEL:	STD. IV
TAT:	STANDARD RUSH
ATI WORKORDER #	
DUE DATE:	8/3/94
TIME:	

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	1
CHAIN OF CUSTODY SEALS	N
INTACT?	NA
RECEIVED GOOD COND./COLD	Y/Y
LAB NUMBER	407355

SAMPLES SENT TO:
- SAN DIEGO X
- FT. COLLINS
- RENTON
- PENSACOLA
- PORTLAND
- AQUATIC

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 6p	Signature: Time:
Printed Name: Amy Klinger Date 7/29/94	Printed Name: Date
Analytical Technologies, Inc. Phoenix	Company:
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 10:00
Printed Name: Date:	Printed Name: Lisa J Tucker Date: 7-30-94
Analytical Technologies, Inc.	Company: ATI-SD

cooler# 8682 = 2.3°C

SECTION 12

FOURTH QUARTER, 1994

LABORATORY REPORT

4 Q 1994 AGMP
MW-9, 19, 20, 21, 14
10/27/94

Analytical Technologies, Inc.

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

ATI I.D. **410466**

November 22, 1994

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

Project Name/Number: AGMP-4Q94 102794-A

Attention: John W. Wakefield

On **10/27/94**, 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 and 8010 analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

Total Organic Carbon and Total Organic Halide analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

Electrical Conductivity analyses were performed by Analytical Technologies, Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

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	: 10/27/94
PROJECT #	: 102794-A		
PROJECT NAME	: AGMP-4Q94	REPORT DATE	: 11/22/94

ATI ID: 410466

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-9	AQUEOUS	10/27/94
02	MW-19	AQUEOUS	10/27/94
03	MW-20	AQUEOUS	10/27/94
04	MW-21	AQUEOUS	10/27/94
05	MW-14	AQUEOUS	10/27/94
06	TRIP BLANK	AQUEOUS	10/17/94

---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.

ATI ACCESSION #: 410466

DATES OF ANALYSIS

PARAMETER	EPA METHOD	DATE ANALYZED	ANALYST	DETECTION LIMIT
EC (CONDUCTIVITY)	120.1	11/02/94	M. ZHOU	UMHOS/CM
pH	150.1	10/31/94	D. DETTMAN	UNITS
TOTAL ORGANIC HALIDE	9020	11/10,16/94	S. HALL	<20 UG/L
TOTAL ORGANIC CARBON	415.2	11/11/94	S. HALL	<1.0 MG/L

References: Methods For Chemical Analysis of Water and Wastes, March 1983 (EPA-600 4-79-020)

Analytical Technologies, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 410466

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

Analytical Technologies, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 410466

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	2.0
METHYLENE CHLORIDE	20.0
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

Analytical Technologies, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 410466

ATI'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
20X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	4.0
BROMOFORM	10.0
BROMOMETHANE	20.0
CARBON TETRACHLORIDE	4.0
CHLOROBENZENE	10.0
CHLOROETHANE	10.0
CHLOROFORM	10.0
CHLOROMETHANE	20.0
DIBROMOCHLOROMETHANE	4.0
1,2-DIBROMOETHANE (EDB)	4.0
1,2-DICHLOROBENZENE	10.0
1,3-DICHLOROBENZENE	10.0
1,4-DICHLOROBENZENE	10.0
1,1-DICHLOROETHANE	4.0
1,2-DICHLOROETHANE (EDC)	10.0
1,1-DICHLOROETHENE	4.0
CIS-1,2-DICHLOROETHENE	4.0
TRANS-1,2-DICHLOROETHENE	20.0
1,2-DICHLOROPROPANE	4.0
CIS-1,3-DICHLOROPROPENE	4.0
TRANS-1,3-DICHLOROPROPENE	4.0
METHYLENE CHLORIDE	40.0
1,1,2,2-TETRACHLOROETHANE	4.0
TETRACHLOROETHENE	10.0
1,1,1-TRICHLOROETHANE	20.0
1,1,2-TRICHLOROETHANE	4.0
TRICHLOROETHENE	4.0
TRICHLOROFLUOROMETHANE	4.0
VINYL CHLORIDE	10.0

Analytical Technologies, 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

Analytical Technologies, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 410466

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	20
METHYLENE CHLORIDE	200
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.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 410466

CLIENT : SPARTON TECH., INC.
PROJECT # : 102794-A
PROJECT NAME : AGMP-4Q94

DATE RECEIVED : 10/27/94
REPORT DATE : 11/21/94

PARAMETER	UNITS	01	02	03	04	05
CONDUCTIVITY, (UMHOS/CM)		746	682	644	637	823

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECH., INC.
PROJECT # : 102794-A
PROJECT NAME : AGMP-4Q94 ATI I.D. : 410466

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
CONDUCTIVITY	(UMHOS/CM)	41046601	746	736	1	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.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 410466
PROJECT #	: 102794-A	DATE RECEIVED	: 10/27/94
PROJECT NAME	: AGMP-4Q94	DATE ANALYZED	: 10/31/94

PARAMETER	UNITS	01	02	03	04
PH (150.1)	UNITS	7.70	7.53	7.61	7.71

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 410466
PROJECT #	: 102794-A	DATE RECEIVED	: 10/27/94
PROJECT NAME	: AGMP-4Q94	DATE ANALYZED	: 10/31/94

PARAMETER	UNITS	05
PH (150.1)	UNITS	8.18

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY INC. ATI I.D. : 410466

PROJECT # : 102794-A SAMPLE MATRIX : AQUEOUS

PROJECT NAME : AGMP-4Q94

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PH	UNITS	41047101	7.45	7.54	1.2	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.

TOTAL ORGANIC HALIDE

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Sparton -- 410466

Lab Workorder Number: 94-10-336

Date Collected: 10/27/94

Date Extracted: 11/10,16/94

Date Analyzed: 11/10,16/94

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB94-10-336	100	< 20
MW-9	94-10-336-01	100	510
MW-19	94-10-336-02	100	80
MW-20	94-10-336-03	100	40
MW-21	94-10-336-04	100	440
MW-14	94-10-336-05	100	510

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: 94-11-065-01

Sample Matrix: Water

Date Extracted: 11/10/94

Date Analyzed: 11/10/94

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS Percent Recovery
2,4,6-Trichlorophenol	200	< 20	190	95

Analytical Technologies, Inc.

TOTAL ORGANIC CARBON

Method 415.2

Lab Name: Analytical Technologies, Inc.

Date Collected: 10/27/94

Client Name: ATI-NM

Date Analyzed: 11/11/94

Client Project ID: Sparton -- 410466

Sample Matrix: Water

Lab Workorder Number: 94-10-336

Sample ID	Lab Sample ID	Volume Injected (mL)	TOC Conc. (mg/L)	TOC AVG	RPD
Reagent Blank	RB 94-10-336	1	< 1.0	< 1.0	N/A
MW-9	94-10-336-01	1	3		
	94-10-336-01DUP	1	3	3	0
MW-19	94-10-336-02	1	1		
	94-10-336-02DUP	1	1	1	0
MW-20	94-10-336-03	1	3		
	94-10-336-03DUP	1	3	3	0
MW-21	94-10-336-04	1	2		
	94-10-336-04DUP	1	2	2	0
MW-14	94-10-336-05	1	3		
	94-10-336-05DUP	1	3	3	0

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 410466
PROJECT # : 102794-A
PROJECT NAME : AGMP-4Q94

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-9	AQUEOUS	10/27/94	NA	10/31/94	1
02	MW-19	AQUEOUS	10/27/94	NA	10/31/94	1
03	MW-20	AQUEOUS	10/27/94	NA	11/01/94	1

PARAMETER	UNITS	01	02	03
1,1-DICHLOROETHENE	UG/L	51	2.5	1.1
TRICHLOROETHENE	UG/L	750 D(100)	47 D(10)	44 D(10)
SURROGATE:				
BROMOCHLOROMETHANE (%)		93	94	94

D(10)=DILUTED 10X, ANALYZED 11/01/94
D(100)=DILUTED 100X, ANALYZED 11/02/94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 410466
PROJECT # : 102794-A
PROJECT NAME : AGMP-4Q94

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	MW-21	AQUEOUS	10/27/94	NA	11/01/94	1
05	MW-14	AQUEOUS	10/27/94	NA	11/01/94	1
06	TRIP BLANK	AQUEOUS	10/17/94	NA	11/01/94	1

PARAMETER	UNITS	04	05	06
1,1-DICHLOROETHENE	UG/L	32	50	<0.2
TRICHLOROETHENE	UG/L	360 D(20)	700 D(50)	<0.2
SURROGATE:				
BROMOCHLOROMETHANE (%)		95	96	105

D(20)=DILUTED 20X, ANALYZED 11/01/94
D(50)=DILUTED 50X, ANALYZED 11/01/94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 410466
BLANK I.D.	: 103194	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 102794-A	DATE ANALYZED	: 10/31/94
PROJECT NAME	: AGMP-4Q94	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		92

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 410466
BLANK I.D.	: 110194	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 102794-A	DATE ANALYZED	: 11/01/94
PROJECT NAME	: AGMP-4Q94	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		92

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 410466
BLANK I.D.	: 110294	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 102794-A	DATE ANALYZED	: 11/02/94
PROJECT NAME	: AGMP-4Q94	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 41043902	ATI I.D.	: 410466
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 102794-A	DATE ANALYZED	: 10/31/94 11/01/94
PROJECT NAME	: AGMP-4Q94	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 41043902	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
1,1-DICHLOROETHENE	<0.2	10	12	120	11	110	9
TRICHLOROETHENE	<0.2	10	9.8	98	9.5	95	3

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

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

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

CHAIN OF CUSTODY

DATE: 10-27-94 PAGE 1 OF 1 (one)

ATI LAB I.D. 464464

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

PROJECT MANAGER: John M. Wakefield

COMPANY: Spectron Technology Inc.
ADDRESS: 4621 Coors Rd. NW
Albuquerque NM 87114
PHONE: (505) 892-5300
FAX: (505) 892-5515

BILL TO: John Wakefield
COMPANY: STI
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) TCE, 4 DCE	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-9	10-27-94	1135	Aq.	01					X	X	X			X	X																		9
MW-19	"	1348	"	02					X	X	X			X	X																		9
MW-20	"	1416	Aq.	03					X	X	X			X	X																		9
MW-21	"	1508	Aq	04					X	X	X			X	X																		9
MW-14	"	1543	Aq	05					X	X	X			X	X																		9
Trip Blank	10-17		Aq	06							X																						2

00431

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.: 102794-A		NO. CONTAINERS	47
PROJ. NAME: AGMP-4Q94		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: CofC Seals on Cooler
Need: Analysis Date, Detection Limits

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1652	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date: 10-27-94	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: 1652
Printed Name: Date:	Printed Name: Date:	Printed Name: [signature] Date: 10/27/94
Company:	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

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE 10/28/94 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 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
410466-01	10/27	1135	AQ	1										X																			1
-02		1348		2										X																			1
-03		1414		3										X																			1
-04		1508		4										X																			1
-05		543		5										X																			1

00219

PROJECT INFORMATION	
PROJECT NUMBER:	410466
PROJECT NAME:	STI
QC LEVEL: STD IV	
QC REQUIRED: MS MSD BLANK	
TAT: STANDARD RUSH!	

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	5
CHAIN OF CUSTODY SEALS	NA
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	410466

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

DUE DATE: 11/11
RUSH SURCHARGE: —
CLIENT DISCOUNT: 10 %

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1205	Signature: Time:
Printed Name: Linda Louth Date 10/28/94	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company:
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 930A
Printed Name: Date:	Printed Name: Linda Estelman Date: 10/29/94
Company:	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

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody

DATE 10/28/94 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)	EC 10/28/94	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
4104666-01	10-27	1135	AQ	01	X	X				X																								4
-02	↓	1348	↓	02	X	X				X																								4
-03	↓	1416	↓	03	X	X				X																								4
-04	↓	1508	↓	04	X	X				X																								4
-05	↓	1543	↓	05	X	X				X																								4

004280

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER:	4104666	TOTAL NUMBER OF CONTAINERS	20
PROJECT NAME:	Spurton	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	94-10-336

DUE DATE: 11/11
RUSH SURCHARGE: 0
CLIENT DISCOUNT: 10 %

COOH# LK1089

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

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Dlutter Time: 1730	Signature: Time:
Printed Name: Dianne Lutter Date: 10/28/94	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company: Fed Ex
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 9:30
Printed Name: Date:	Printed Name: Date: 10-29
Company: Fed Ex	Company: ATI

4Q 1994 AGMP
MW-22, 15, 16 FB + B
10-28-94

Analytical Technologies, Inc.

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

ATI I.D. **410471**

November 21, 1994

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

Project Name/Number: AGMP-4Q94 102894-A

Attention: John W. Wakefield

On **10/28/94**, 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.

Total Organic Carbon and Total Organic Halide analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

Electrical Conductivity analyses for all samples and pH analysis for sample "MW-15" were performed by Analytical Technologies, Inc., 9830 S. 51st Street, Suite B-113, Phoenix, AZ.

EPA Method 8010 analyses for all samples and pH analyses for all samples except "MW-15" were performed by Analytical Technologies, Inc., Albuquerque, NM.

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.

ATI ACCESSION #: 410471

DATES OF ANLAYSIS

PARAMETER	EPA METHOD	DATE ANALYZED	ANALYST	DETECTION LIMIT
CONDUCTIVITY	120.1	11/02/94	M. ZHOU	UMHOS/CM
pH (MW-15)	150.1	10/31/94	D. BENJES	UNITS
pH	150.1	10/31/94	D. DETTMAN	UNITS
TOTAL ORGANIC CARBON	415.2	11/11/94	S. HALL	<1 MG/L
TOTAL ORGANIC HALIDE	9020M	11/09/94	S. HALL	<20 UG/L

Reference(s): Methods for Chemical Analysis of Water and Wastes, March 1983 EPA-600 4-79-020.

Analytical Technologies, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 410471

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

Analytical Technologies, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 410466

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	2.0
METHYLENE CHLORIDE	20.0
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

Analytical Technologies, 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

Analytical Technologies, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 410471

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

Analytical Technologies, Inc.

CLIENT	: SPARTON TECHNOLOGY INC.	DATE RECEIVED	: 10/28/94
PROJECT #	: 102894-A		
PROJECT NAME	: AGMP-4Q94	REPORT DATE	: 11/21/94

ATI ID: 410471

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-22	AQUEOUS	10/28/94
02	MW-15	AQUEOUS	10/28/94
03	MW-16	AQUEOUS	10/28/94
04	FIELD BLANK	AQUEOUS	10/28/94
05	TRIP BLANK	AQUEOUS	09/27/94

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	5

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

ATI I.D. : 410471

CLIENT : SPARTON TECH., INC.
PROJECT # : 102894-A
PROJECT NAME : AGMP-4Q94

DATE RECEIVED : 10/28/94
REPORT DATE : 11/21/94

PARAMETER	UNITS	01	02	03	04	05
CONDUCTIVITY, (UMHOS/CM)		692	669	1350	4.08	0.935
PH (EPA 150.1)	UNITS	-	7.8	-	-	-

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECH., INC.
PROJECT # : 102894-A
PROJECT NAME : AGMP-4Q94 ATI I.D. : 410471

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
CONDUCTIVITY(UMHOS/CM)		41047103	1350	1340	0.7	NA	NA	NA
PH	UNITS	41046922	4.8	4.8	0	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.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 410471
PROJECT #	: 102894-A	DATE RECEIVED	: 10/28/94
PROJECT NAME	: AGMP-4Q94	DATE ANALYZED	: 10/31/94

PARAMETER	UNITS	01	03	04	05
PH (150.1)	UNITS	7.45	7.55	8.14	7.90

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY INC. ATI I.D. : 410471
PROJECT # : 102894-A SAMPLE MATRIX : AQUEOUS
PROJECT NAME : AGMP-4Q94

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PH	UNITS	41047101	7.45	7.54	1.2	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.

TOTAL ORGANIC CARBON

Method 415.2

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Sparton -- 410471

Lab Workorder Number: 94-10-331

Date Collected: 09/27/94
10/28/94

Date Analyzed: 11/11/94

Sample Matrix: Water

Sample ID[t]	Lab Sample ID	Volume Injected (mL)	TOC Conc. (mg/L)	TOC AVG	RPD
Reagent Blank	RB 94-10-331	1	< 1.0	< 1.0	N/A
MW-22	94-10-331-01	1	1		
	94-10-331-01DUP	1	2	1.5	67
MW-15	94-10-331-02	1	1		
	94-10-331-02DUP	1	1	1	0
MW-16	94-10-331-03	1	3		
	94-10-331-03DUP	1	3	3	0
Field Blank	94-10-331-04	1	< 1.0		
	94-10-331-04DUP	1	< 1.0	< 1.0	N/A
Trip Blank	94-10-331-05	1	< 1.0		
	94-10-331-05DUP	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 -- 410471

Lab Workorder Number: 94-10-331

Date Collected: 09/27/94
10/28/94

Date Extracted: 11/09/94

Date Analyzed: 11/09/94

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB94-10-331	100	< 20
MW-22	94-10-331-01	100	80
MW-15	94-10-331-02	100	70
Field Blank	94-10-331-04	100	40
Trip Blank	94-10-331-05	100	40

Analytical **Technologies,** Inc.

TOTAL ORGANIC HALIDE

Modified Method 9020 TOX

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Sparton -- 410471

Lab Workorder Number: 94-10-331

Date Collected: 10/28/94

Date Extracted: 11/10/94

Date Analyzed: 11/10/94

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)
Reagent Blank	WRB94-10-331	100	< 20
MW-16	94-10-331-03	0.5	10200

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: 94-10-065-01

Sample Matrix: Water

Sample ID

In House

Date Extracted: 11/10/94

Date Analyzed: 11/10/94

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS Percent Recovery
2,4,6-Trichlorophenol	200	< 20	190	95

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 410471
PROJECT # : 102894-A
PROJECT NAME : AGMP-4Q94

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-22	AQUEOUS	10/28/94	NA	11/02/94	1
02	MW-15	AQUEOUS	10/28/94	NA	11/02/94	1
03	MW-16	AQUEOUS	10/28/94	NA	11/02/94	50

PARAMETER	UNITS	01	02	03
1,1-DICHLOROETHENE	UG/L	16	0.8	280
TRICHLOROETHENE	UG/L	45 D(10)	31 D(10)	11000 D(500)
SURROGATE:				
BROMOCHLOROMETHANE (%)		94	90	100

D(10)=DILUTED 10X, ANALYZED 11/02/94
D(500)=DILUTED 500X, ANALYZED 11/03/94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 410471
PROJECT # : 102894-A
PROJECT NAME : AGMP-4Q94

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	FIELD BLANK	AQUEOUS	10/28/94	NA	11/02/94	1
05	TRIP BLANK	AQUEOUS	09/27/94	NA	11/03/94	1

PARAMETER	UNITS	04	05
1,1-DICHLOROETHENE	UG/L	<0.2	<0.2
TRICHLOROETHENE	UG/L	<0.2	<0.2
SURROGATE:			
BROMOCHLOROMETHANE (%)		101	99

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	ATI I.D.	: 410471
BLANK I.D.	: 110294	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 102894-A	DATE ANALYZED	: 11/02/94
PROJECT NAME	: AGMP-4Q94	DIL. FACTOR	: 1

PARAMETER	UNITS	
1,1-DICHLOROETHENE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.2
SURROGATE:		
BROMOCHLOROMETHANE (%)		94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 41047001	ATI I.D.	: 410471
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 102894-A	DATE ANALYZED	: 11/02/94
PROJECT NAME	: AGMP-4Q94	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 41047001	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
1,1-DICHLOROETHENE	<0.2	10	12	120	11	110	9
TRICHLOROETHENE	<0.2	10	9.9	99	9.6	96	3

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

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

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

CHAIN OF CUSTODY

DATE: 10-28-94 PAGE 1 OF 1

ATI LAB I.D. 41047

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
Albuquerque NM 87114
PHONE: (505) 892-5300
FAX: (505) 892-5515

BILL TO: John Wakefield
COMPANY: STI
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)	OH	Electrical Conductivity	Chlorinated Hydrocarbons (601/8010) TCE/1,1DCE	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	VOX	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-22	10-28-94	0922	Aq	01					X	X	X			X	X																		9
MW-15	"	1013	"	02					X	X	X			X	X																		6
MW-16	"	1103	"	03					X	X	X			X	X																		9
Field Blank	"	0953	"	04					X	X	X			X	X																		9
Trip Blank	9-27		"	05					X	X	X			X	X																		2

0042240

SMW

PROJECT INFORMATION

PROJ. NO.: 102894-A
PROJ. NAME: AGMP-4Q94
P.O. NO.:
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. CONTAINERS	39
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
Need Analysis Date, Detection Limits.

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1204	Signature: [signature] Time: 1255	Signature: Time:
Printed Name: John M. Wakefield Date: 10-28-94	Printed Name: Peter H. Metzner Date: 10-28-94	Printed Name: Date:
Company: STI Phone: 892-5300	Company: METRIC Corp	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY:(LAB) 3.
Signature: [signature] Time: 1204	Signature: Time:	Signature: [signature] Time: 1255
Printed Name: Peter H. Metzner Date: 10-28-94	Printed Name: Date:	Printed Name: Dianne Cotter Date: 10/28/94
Company: METRIC Corp	Company:	Analytical Technologies, Inc.

AnalyticalTechnologies,Inc. Albuquerque, NM

Chain of Custody

DATE 10/28/94 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	Fe	Fe	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
410471-01	10-29	0922	AQ	1											X																		1
-02		1013		2										X	X																		1
-03		1103		3											X																		1
-04		0953		4											X																		1
-05 (TB)	9/27	—		5											X																		1

004241

PROJECT INFORMATION	
PROJECT NUMBER:	410471
PROJECT NAME:	Spurton
QC LEVEL:	STD IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	5
CHAIN OF CUSTODY SEALS	NA
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	410471

DUE DATE: 11/11
RUSH SURCHARGE: —
CLIENT DISCOUNT: 10 %

LOGIN LK1095

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

RELINQUISHED BY: 1.
Signature: D. Lutter Time: 1730
Printed Name: Dianne Lutter Date: 10/28/94
Analytical Technologies, Inc. Albuquerque

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

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

RECEIVED BY: (LAB) 2.
Signature: Linda Estelman Time: 930A
Printed Name: Linda Estelman Date: 10/29/94
Company: ATI

Analytical Technologies, Inc. Albuquerque, NM

Chain of Custody

DATE 10/28/94 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
41047 -01	10-28	0922	AQ	01	X	X																			4 TO
-02		1013		02	X	X																			2 TO
-03		1103		03	X	X																			4 TO
-04		0953		04	X	X																			4 TO
-05 a 2		—		05	X	X																			2 TO

004242

PROJECT INFORMATION	
PROJECT NUMBER:	41047
PROJECT NAME:	Sparton
QC LEVEL:	STD. IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSHI

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	16
CHAIN OF CUSTODY SEALS	NA
INTACT?	NA
RECEIVED GOOD COND/COLD	Y
LAB NUMBER	

DUE DATE: 11/11
RUSH SURCHARGE: 0
CLIENT DISCOUNT: 10 %

WO# WK1094

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 10/28/94	Printed Name: Date
Analytical Technologies, Inc. Albuquerque	Company: FED-X
RECEIVED BY: (LAB) 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 9:30
Printed Name: Date:	Printed Name: J. Kelly Date: 10-29-94
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