SPARTON

SPARTON TECHNOLOGY

OCT 1994
RECEIVED
HAZARDOUS WASTE
PROGRAM

October 13, 1994

CERTIFIED LETTER
RETURN RECEIPT REQUESTED

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

Dear Mr. Kern:

Enclosed is Sparton Technology's Inc. Assessment Quarterly Report for the 3rd Quarter 1994 as required by the Alternate Groundwater Monitoring Program. Also attached is a copy of the complete lab report. Groundwater samples were collected by Sparton Technology Inc. and Metric Corp. personnel on July 20, 1994.

As stated in the lab report samples MW-9 and MW-14 were received at ATI, Phoenix past the 24 hour EPA holding times for hexavalent chromium analysis. To alleviate this problem for future Cr^{+6} analysis we will deliver these samples to the lab twice per day rather than once.

The trichloroethene and 1,1,1-trichloroethane concentrations for sample MW-22, 50 and 44 ppb respectively, exceeded the upper calibration limit of 40 ppb hence they are reported as estimated values. A complete explanation for not reporting these analytes within calibration range is provided in the lab report. For future sampling events we will take 3 VOA's per well rather than 2.

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.

RD Mico

Richard D. Mico
Vice President and General Manager

Enclosure

cc: Mr. J. Appel
Mr. P. Chandler
Mr. G. Richardson
Mr. J. Wakefield

006344

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

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
Samp'er 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/l	570	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-9
PAGE 3

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

NM WQCC std. = 0.75 mg/L (irrigation std.)

006348

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/l	480	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-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. 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/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-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

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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

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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/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-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

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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-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/l	<20	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-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. 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/l	200	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-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

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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	72604	min.	32	07/20/94
Volume Evacuated	72675	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.

006373

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/1	70	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-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.

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::O1
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::01
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	~~.634~~	~~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 BDL	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 BDL	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::01
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: N/A MATRIX SPIKE: N/A

SHIFT 2ND EM VOLTS: 1400 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.	2014	CN	QUA	>P 7886	407752-01	7	H2O	100/5ml	50x	107	N	clean RR 1X
2.	2120			>P 7887	-02	8				91	N	clean RR 1X
3.	2157			>P 7888	-03	9				102	N	clean RR 1X
4.	2234			>P 7889	-04	10				82	N	small unknown HC's poss C/O
5.	2312			>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		100/1/5ml	50X	78	N	8 HC's poss C/O RR 1X
8.	0045			>P 7893	407756-01	14				55	N	407756-01 17 TCE, 1 PCE, 1 TCA really dirty
9.	0119			>P 7894	407756-02	15				69	N	407756 -02 12 TCE 5 NITRA 5 TCE RR 5X clean
10.	0153			>P 7895	-03	16				81	N	-03 2 TCE RR 1X
11.	0227			>P 7896	-04	1				92	N	-04 clean RR 1X
12.	0301			>P 7897	-05	3				84	N	-05 2 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 2144 86 NITRA 7 TCE 2 PCE 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					07/26/94			
22.				>P								
23.				>P								

006384

WORKED UP BY CN 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		8100A	>P7958	50ppb VOA STD	S	12-MS-92-1 12-MS-92-2	5ml/25ml	–	32	Y	–	
3.	0921			>P7959	5 WBSA 0729	3	H_2O	25ml	1X	32	Y	–	ok 51456
4.	0955			>P7960	5 WBSA 0729	4				43	Y	–	ok 41787
5.	1057			>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 50TCQ RE 2X
13.	1612			>P7969	-06	13		2.5ml/25ml	10X	27	N	–	2 HITCA 6 TCQ
14.	1648			>P7970	BLANK	7		25ml	1X	6	N	–	BLANK
15.	1712			>P7971	407257-01	8		250ml/25ml	100X	36	Y	–	~~407256-08 2X~~ RETCQ 2 HITCA
16.	1757			>P7972	407256-08	4		12.5ml/25ml	2X	41	N	–	NO MORE SAMPLE! 12TCQ
17.	1831			>P7973	407256-06	9		12.5ml/25ml	2X	38	Y	–	27TCQ
18.													
19.													
20.													
21.													
22.													
23.													

0063385

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
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	RE
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.	% Re
1,1-DICHLOROETHENE	UG/L	<1	13	10	13
BENZENE	UG/L	<1	10	10	10
TRICHLOROETHENE	UG/L	<1	11	10	11
TOLUENE	UG/L	<1	10	10	10
CHLOROBENZENE	UG/L	<1	10	10	10

% 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

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

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

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

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

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	E.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	~~Hydrocarbon~~ 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

006426

PROJECT INFORMATION

PROJ. NO.: ~~State Wells~~ 72094
PROJ. NAME: State Wells 3Q94
P.O. NO.: 39945-01-08
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. CONTAINERS	87
CUSTODY SEALS	Y / N (NA)
RECEIVED INTACT	Y
RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments: Cof C Seals on Cooler

SAMPLED & RELINQUISHED BY: 1.

Signature: [signature] Time: 553
Printed Name: John M. Wakefield Date: 7-20-94
Company: STI Phone: 892-5300

RELINQUISHED BY: 2.

Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 3.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 2.

Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 3.

Signature: [signature] Time: 18:53
Printed Name: Dianne Cutler Date: 7/20/
Analytical Technologies, Inc.

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 as page 1
FAX:
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	EC, 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

006427

PROJECT INFORMATION

PROJ. NO.: 72094
PROJ. NAME: Stoke Wells 1Q94
P.O. NO.: 39945-01-08
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. CONTAINERS	7
CUSTODY SEALS	Y / N (NA)
RECEIVED INTACT	Y
RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments: C of C Seals on Cooler

SAMPLED & RELINQUISHED BY: 1.	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: D Lutz Time: 15:53
Printed Name: Date:	Printed Name: Date:	Printed Name: Dianne Lutter Date: 7/20/94
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 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

0064428

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°
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: [signature] Time: 17:30
Printed Name: Dianne Cutler Date: 7/21/94
Analytical Technologies, Inc. Albuquerque

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

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

RECEIVED BY: (LAB) 2.
Signature: [signature] 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 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
407382-10(TB)	7/12	—	AQ	10						X																								1

006429

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

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

AnalyticalTechnologies,Inc. Albuquerque, NM

94-07-213

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

TOT

006430

PROJECT INFORMATION	
PROJECT NUMBER:	407382
PROJECT NAME:	SJI
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	

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: 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

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

* 407382 -05 → 2 CONTAINERS WERE BROKEN DURING SHIPPING

MINIMUM SAMPLE #6

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

94-07-213

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	—	Aq	10	X	X																			2 TOC

0064431

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER:	407382	TOTAL NUMBER OF CONTAINERS	32
PROJECT NAME:	STI	CHAIN OF CUSTODY SEALS	N
QC LEVEL:	STD. IV	INTACT?	NA
QC REQUIRED:	MS MSD BLANK	RECEIVED GOOD COND./COLD	N
TAT:	STANDARD RUSHI	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.	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: Date: 7-21-94
Company: AIRBORNE	Company: ATI

Analytical Technologies, 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)	DH	632/632 MOD	619/619 MOD	610/8310	EC, SO4, Cl, CrT6	TKN, PO3	8240 (TCLP 1311) ZHE	B, Mn, Na, 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 - O2, CO2, METHANE	AIR/Diesel/Gasoline/BTXE/ (MOD 8015/8020)	NUMBER OF CONTAINERS
407382-01	7/20	910	Aq	1										X	X		X																	3
-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																	

006432

PROJECT INFORMATION	
PROJECT NUMBER:	407382
PROJECT NAME:	S7F
QC LEVEL: STD. IV	
QC REQUIRED: MS MSD BLANK	
TAT: STANDARD RUSH	

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 LK 889

minimum sample 407382-06

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 7/20/94	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: 7/21/94
Company:	Company:

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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 Sol 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.	10						X				X	X																			3
	7/13																																	

0064433

PROJECT INFORMATION	
PROJECT NUMBER:	407382
PROJECT NAME:	STL
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: Date: 7/21/94
Company:	Company:

Analytical Technologies, Inc.
Phoenix, Arizona

Interlab
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													

0064434

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	
ONE 40 ml CONS	X

COOLER # 8682 = 2.3°C

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Amy Klinger 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

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

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Phoenix, Arizona

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DATE 7/29/94 PAGE 1 OF 1

NETWORK PROJECT MANAGER: Amy Klingen

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		TPH		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

006435

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

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

DUE DATE: 8/3/94
TIME:

Cooler # 8682 = 2.3°C

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

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

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

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