American Environmental Network, Inc.

AGMP 2Q98 4/23/98
MW-19, 20, TB, PZ-2 = Field Blank
MW-9, 16, 19, 21, 22 MW-15 dry

AEN I.D. 804419 Corrections

May 18, 1998

SPARTON TECHNOLOGIES, INC.
4901 ROCKAWAY BLVD. NW
RIO RANCHO, NM 87124

Project Name AGMP-2Q98
Project Number 042398-A

Attention: JOHN M. WAKEFIELD

On 4/23/98 American Environmental Network (NM), 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.

This report is being reissued to correct a typographical error. This report was originally dated 5/13/98. We apologize for any inconvenience this may have caused.

EPA method 8021 was performed by American Environmental Network (NM) Inc., Albuquerque, NM.

All other parameters were performed by American Environmental Network (FL) Inc., Pensacola, FL.

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

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph. D.
General Manager

MR: mt

Enclosure

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

American Environmental Network, Inc.

CLIENT	: SPARTON TECHNOLOGIES, INC.	AEN I.D.	: 804419
PROJECT #	: 042398-A	DATE RECEIVED	: 4/23/98
PROJECT NAME	: AGMP-2Q98	REPORT DATE	: 5/13/98

AEN ID. #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-19	AQUEOUS	4/23/98
02	MW-20	AQUEOUS	4/23/98
03	TRIP BLANK	AQUEOUS	4/15/98
04	PZ-2	AQUEOUS	4/23/98
05	MW-9	AQUEOUS	4/23/98
06	MW-16	AQUEOUS	4/23/98
07	MW-14	AQUEOUS	4/23/98
08	MW-21	AQUEOUS	4/23/98
09	MW-22	AQUEOUS	4/23/98

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8021 HALO)
CLIENT : SPARTON TECHNOLOGIES, INC. AEN I.D.: 804419
PROJECT # : 042398-A
PROJECT NAME : AGMP-2Q98

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-14	AQUEOUS	4/23/98	NA	5/7/98	20
08	MW-21	AQUEOUS	4/23/98	NA	5/7/98	20
09	MW-22	AQUEOUS	4/23/98	NA	5/7/98	5

PARAMETER	DET. LIMIT	UNITS	07	08	09
BROMODICHLORMETHANE	0.2	UG/L	< 4.0	< 4.0	< 1.0
BROMOFORM	0.5	UG/L	< 10	< 10	< 2.5
BROMOMETHANE	1.0	UG/L	< 20	< 20	< 5.0
CARBON TETRACHLORIDE	0.2	UG/L	< 4.0	< 4.0	< 1.0
CHLOROBENZENE	0.5	UG/L	< 10	< 10	< 2.5
CHLOROETHANE	0.5	UG/L	< 10	< 10	< 2.5
CHLOROFORM	0.5	UG/L	< 10	< 10	< 2.5
CHLOROMETHANE	1.0	UG/L	< 20	< 20	< 5.0
DIBROMOCHLOROMETHANE	0.5	UG/L	< 10	< 10	< 2.5
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 10	< 10	< 2.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 10	< 10	< 2.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 10	< 10	< 2.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 10	< 10	< 2.5
1,1-DICHLOROETHANE	0.3	UG/L	< 6.0	< 6.0	< 1.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 10	< 10	< 2.5
1,1-DICHLOROETHENE	0.2	**UG/L**	**28**	< 4.0	**9.3**
cis-1,2-DICHLOROETHENE	0.2	UG/L	< 4.0	< 4.0	< 1.0
trans-1,2-DICHLOROETHENE	1.0	UG/L	< 20	< 20	< 5.0
1,2-DICHLOROPROPANE	0.2	UG/L	< 4.0	< 4.0	< 1.0
cis-1,3-DICHLOROPROPENE	0.2	UG/L	< 4.0	< 4.0	< 1.0
trans-1,3-DICHLOROPROPENE	0.2	UG/L	< 4.0	< 4.0	< 1.0
METHYLENE CHLORIDE	2.0	UG/L	< 40	< 40	< 10.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 10	< 10	< 2.5
TETRACHLOROETHENE	0.5	UG/L	< 10	< 10	< 2.5
1,1,1-TRICHLOROETHANE	1.0	**UG/L**	< 20	< 20	**36**
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 4.0	< 4.0	< 1.0
TRICHLOROETHENE	0.3	**UG/L**	**510**	**59**	**78**
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 4.0	< 4.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 10	< 10	< 2.5
SURROGATE:					
BROMOCHLOROMETHANE (%)			94	97	93
SURROGATE LIMITS	(73 - 117)				
TRIFLUOROTOLUENE (%)			105 *	N/A	N/A
SURROGATE LIMITS	(69 - 117)				

CHEMIST NOTES:

*** = RESULTS REPORTED USING PID**

American Environmental Network, Inc.

AGMP 2Q98 MW-15 dry
4/23/98 MW-19, 20, TB, PZ-2 = Field Blank, MW-9, 16, 14, 21, 22

AEN I.D. 804419

May 13, 1998

SPARTON TECHNOLOGIES, INC.
4901 ROCKAWAY BLVD. NW
RIO RANCHO, NM 87124

Project Name AGMP-2Q98
Project Number 042398-A

Attention: JOHN M. WAKEFIELD

On 4/23/98 American Environmental Network (NM), 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 8021 was performed by American Environmental Network (NM) Inc., Albuquerque, NM.

All other parameters were performed by American Environmental Network (FL) Inc., Pensacola, FL.

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

Kimberly D. McNeill
Project Manager

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General Manager

MR: mt

Enclosure

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

American Environmental Network, Inc.

CLIENT	: SPARTON TECHNOLOGIES, INC.	AEN I.D.	: 804419
PROJECT #	: 042398-A	DATE RECEIVED	: 4/23/98
PROJECT NAME	: AGMP-2Q98	REPORT DATE	: 5/13/98

AEN ID. #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-19	AQUEOUS	4/23/98
02	MW-20	AQUEOUS	4/23/98
03	TRIP BLANK	AQUEOUS	4/15/98
04	PZ-2	AQUEOUS	4/23/98
05	MW-9	AQUEOUS	4/23/98
06	MW-16	AQUEOUS	4/23/98
07	MW-14	AQUEOUS	4/23/98
08	MW-21	AQUEOUS	4/23/98
09	MW-22	AQUEOUS	4/23/98

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8021 HALO)
CLIENT : SPARTON TECHNOLOGIES, INC. AEN I.D.: 804419
PROJECT # : 042398-A
PROJECT NAME : AGMP-2Q98

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-19	AQUEOUS	4/23/98	NA	5/7/98	1
02	MW-20	AQUEOUS	4/23/98	NA	5/7/98	1
03	TRIP BLANK	AQUEOUS	4/15/98	NA	5/5/98	1

PARAMETER	DET. LIMIT	UNITS	01	02	03
BROMODICHLORMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.2	**UG/L**	**1.1**	< 0.2	< 0.2
cis-1,2-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
cis-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	**UG/L**	**14**	< 0.3	< 0.3
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
BROMOCHLOROMETHANE (%)			98	97	110
SURROGATE LIMITS	(73 - 117)				

CHEMIST NOTES:
N/A

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8021 HALO)
CLIENT : SPARTON TECHNOLOGIES, INC. AEN I.D.: 804419
PROJECT # : 042398-A
PROJECT NAME : AGMP-2Q98

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	PZ-2	AQUEOUS	4/23/98	NA	5/6/98	1
05	MW-9	AQUEOUS	4/23/98	NA	5/7/98	20
06	MW-16	AQUEOUS	4/23/98	NA	5/7/98	100

PARAMETER	DET. LIMIT	UNITS	04	05	06
BROMODICHLORMETHANE	0.2	UG/L	< 0.2	< 4.0	< 20
BROMOFORM	0.5	UG/L	< 0.5	< 10	< 50
BROMOMETHANE	1.0	UG/L	< 1.0	< 20	< 100
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 4.0	< 20
CHLOROBENZENE	0.5	UG/L	< 0.5	< 10	< 50
CHLOROETHANE	0.5	UG/L	< 0.5	< 10	< 50
CHLOROFORM	0.5	UG/L	< 0.5	< 10	< 50
CHLOROMETHANE	1.0	UG/L	< 1.0	< 20	< 100
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 10	< 50
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 10	< 50
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 10	< 50
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 10	< 50
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 10	< 50
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 6.0	< 30
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 10	< 50
1,1-DICHLOROETHENE	0.2	**UG/L**	< 0.2	**37**	**23**
cis-1,2-DICHLOROETHENE	0.2	UG/L	< 0.2	< 4.0	< 20
trans-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 20	< 100
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 4.0	< 20
cis-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 4.0	< 20
trans-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 4.0	< 20
METHYLENE CHLORIDE	2.0	**UG/L**	< 2.0	**180**	< 200
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 10	< 50
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 10	< 50
1,1,1-TRICHLOROETHANE	1.0	**UG/L**	< 1.0	**21**	**400**
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 4.0	< 20
TRICHLOROETHENE	0.3	**UG/L**	< 0.3	**310**	**1900**
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 4.0	< 20
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 10	< 50
SURROGATE:					
BROMOCHLOROMETHANE (%)			114	95	98
SURROGATE LIMITS	(73 - 117)				

CHEMIST NOTES:
N/A

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8021 HALO)
CLIENT : SPARTON TECHNOLOGIES, INC. AEN I.D.: 804419
PROJECT # : 042398-A
PROJECT NAME : AGMP-2Q98

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-14	AQUEOUS	4/23/98	NA	5/7/98	20
08	MW-21	AQUEOUS	4/23/98	NA	5/7/98	20
09	MW-22	AQUEOUS	4/23/98	NA	5/7/98	5

PARAMETER	DET. LIMIT	UNITS	07	08	09
BROMODICHLORMETHANE	0.2	UG/L	< 4.0	< 4.0	< 1.0
BROMOFORM	0.5	UG/L	< 10	< 10	< 2.5
BROMOMETHANE	1.0	UG/L	< 20	< 20	< 5.0
CARBON TETRACHLORIDE	0.2	UG/L	< 4.0	< 4.0	< 1.0
CHLOROBENZENE	0.5	UG/L	< 10	< 10	< 2.5
CHLOROETHANE	0.5	UG/L	< 10	< 10	< 2.5
CHLOROFORM	0.5	UG/L	< 10	< 10	< 2.5
CHLOROMETHANE	1.0	UG/L	< 20	< 20	< 5.0
DIBROMOCHLOROMETHANE	0.5	UG/L	< 10	< 10	< 2.5
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 10	< 10	< 2.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 10	< 10	< 2.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 10	< 10	< 2.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 10	< 10	< 2.5
1,1-DICHLOROETHANE	0.3	UG/L	< 6.0	< 6.0	< 1.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 10	< 10	< 2.5
1,1-DICHLOROETHENE	0.2	**UG/L**	**28**	< 4.0	**9.3**
cis-1,2-DICHLOROETHENE	0.2	UG/L	< 4.0	< 4.0	< 1.0
trans-1,2-DICHLOROETHENE	1.0	UG/L	< 20	< 20	< 5.0
1,2-DICHLOROPROPANE	0.2	UG/L	< 4.0	< 4.0	< 1.0
cis-1,3-DICHLOROPROPENE	0.2	UG/L	< 4.0	< 4.0	< 1.0
trans-1,3-DICHLOROPROPENE	0.2	UG/L	< 4.0	< 4.0	< 1.0
METHYLENE CHLORIDE	2.0	UG/L	< 40	< 40	< 10.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 10	< 10	< 2.5
TETRACHLOROETHENE	0.5	**UG/L**	**510 ***	< 10	< 2.5
1,1,1-TRICHLOROETHANE	1.0	**UG/L**	< 20	< 20	**36**
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 4.0	< 4.0	< 1.0
TRICHLOROETHENE	0.3	**UG/L**	< 6.0	**59**	**78**
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 4.0	< 4.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 10	< 10	< 2.5
SURROGATE:					
BROMOCHLOROMETHANE (%)			94	97	93
SURROGATE LIMITS	(73 - 117)				
TRIFLUOROTOLUENE (%)			105 *	N/A	N/A
SURROGATE LIMITS	(69 - 117)				

CHEMIST NOTES:
*** = RESULTS REPORTED USING PID**

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021		
BLANK I.D.	: 050598 B	AEN I.D.	: 804419
CLIENT	: SPARTON TECHNOLOGIES, INC.	DATE EXTRACTED	: N/A
PROJECT #	: 042398-A	DATE ANALYZED	: 5/5/98
PROJECT NAME	: AGMP-2Q98	SAMPLE MATRIX	: AQUEOUS

PARAMETER	UNITS	
BROMODICHLORMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.5
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	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
cis-1,2-DICHLOROETHENE	UG/L	<0.2
trans-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
cis-1,3-DICHLOROPROPENE	UG/L	<0.2
trans-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)		114
SURROGATE LIMITS	(73 - 117)	

CHEMIST NOTES:
N/A

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021		
BLANK I.D.	: 050698	AEN I.D.	: 804419
CLIENT	: SPARTON TECHNOLOGIES, INC.	DATE EXTRACTED	: N/A
PROJECT #	: 042398-A	DATE ANALYZED	: 5/6/98
PROJECT NAME	: AGMP-2Q98	SAMPLE MATRIX	: AQUEOUS

PARAMETER	UNITS	
BROMODICHLORMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.5
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	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
cis-1,2-DICHLOROETHENE	UG/L	<0.2
trans-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
cis-1,3-DICHLOROPROPENE	UG/L	<0.2
trans-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:		
BROMOCHLOROMETHANE (%)		98
SURROGATE LIMITS	(73 - 117)	
TRIFLUOROTOLUENE (%)		101 *
SURROGATE LIMITS	(69 - 117)	

CHEMIST NOTES:
* RESULTS REPORTED USING PID

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021.		
BLANK I.D.	: 050798	AEN I.D.	: 804419
CLIENT	: SPARTON TECHNOLOGIES, INC.	DATE EXTRACTED	: N/A
PROJECT #	: 042398-A	DATE ANALYZED	: 5/7/98
PROJECT NAME	: AGMP-2Q98	SAMPLE MATRIX	: AQUEOUS

PARAMETER	UNITS	
BROMODICHLORMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.5
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	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
cis-1,2-DICHLOROETHENE	UG/L	<0.2
trans-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
cis-1,3-DICHLOROPROPENE	UG/L	<0.2
trans-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)		98
SURROGATE LIMITS	(73 - 117)	

CHEMIST NOTES:
N/A

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY - QUALITY CONTROL
MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8021 HALO)		
MSMSD #	: 804417-01	AEN I.D.	: 804419
CLIENT	: SPARTON TECHNOLOGIES, INC.	DATE EXTRACTED	: N/A
PROJECT #	: 042398-A	DATE ANALYZED	: 5/7/98
PROJECT NAME	: AGMP-2Q98	SAMPLE MATRIX	: AQUEOUS
		UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
CHLOROBENZENE	<0.5	10.0	10.8	108	10.8	108	0	(87 - 124)	20
1,1-DICHLOROETHENE *	**4.0**	10.0	14.4	104	12.8	88	12	(44 - 99)	20
TRICHLOROETHENE	<0.3	10.0	10.7	107	10.5	105	2	(89 - 127)	20

CHEMIST NOTES:
*** = RECOVERY IS OUTSIDE AEN LIMITS BUT WITHIN EPA ESTABLISHED GUIDELINES**

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

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

American Environmental Network, Inc.

11 East Olive Road • Pensacola, FL 32514 • (850) 474-1001

SIGNATURE PAGE

Reviewed by: M Patrick

AEN Project Manager

Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC. ALBUQUERQUE, NEW MEXICO
Project Name:	SPARTON TECHNOLOGY
Project Number:	804419
Project Location:	N/S
Accession Number:	804380
Project Manager:	KIM MCNEILL
Sampled By:	N/S

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

Analysis Report

Analysis: Group of Single Wetchem

Accession:	804380
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	804419
Project Name:	SPARTON TECHNOLOGY
Project Location:	N/S
Department:	WET CHEM

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: Group of Single Wetchem
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: MW-19			Lab ID: 001		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	740	1	CDW009	
PH (150.1)	UNITS	7.6	NA	PHW086	
Comments:					
Client ID: MW-20			Lab ID: 002		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	600	1	CDW009	
PH (150.1)	UNITS	7.8	NA	PHW086	
Comments:					
Client ID: TRIP BLANK			Lab ID: 003		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	2	1	CDW009	
PH (150.1)	UNITS	6.1	NA	PHW086	
Comments:					
Client ID: PZ-2			Lab ID: 004		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	3	1	CDW009	
PH (150.1)	UNITS	5.7	NA	PHW086	
Comments:					
Client ID: MW-9			Lab ID: 005		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	620	1	CDW009	
PH (150.1)	UNITS	7.8	NA	PHW086	
Comments:					
Client ID: MW-16			Lab ID: 006		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	870	1	CDW009	
PH (150.1)	UNITS	7.8	NA	PHW086	
Comments:					

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: Group of Single Wetchem
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: MW-14			Lab ID: 007		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	730	1	CDW009	
PH (150.1)	UNITS	8.2	NA	PHW086	
Comments:					
Client ID: MW-21			Lab ID: 008		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	610	1	CDW009	
PH (150.1)	UNITS	7.9	NA	PHW086	
Comments:					
Client ID: MW-22			Lab ID: 009		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	690	1	CDW009	
PH (150.1)	UNITS	7.7	NA	PHW086	
Comments:					

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"FINAL REPORT FORMAT - MULTIPLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: Group of Single Wetchem

Client ID:	Lab ID:	Matrix:	Date/Time Sampled:	Date Received:
MW-19	001	WATER	23-APR-98 1111	24-APR-98
MW-20	002	WATER	23-APR-98 1149	24-APR-98
TRIP BLANK	003	WATER	15-APR-98 1000	24-APR-98
PZ-2	004	WATER	23-APR-98 1047	24-APR-98
MW-9	005	WATER	23-APR-98 1225	24-APR-98
MW-16	006	WATER	23-APR-98 1419	24-APR-98
MW-14	007	WATER	23-APR-98 1333	24-APR-98
MW-21	008	WATER	23-APR-98 1330	24-APR-98
MW-22	009	WATER	23-APR-98 1440	24-APR-98

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"Method Report Summary"

Accession Number: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: Group of Single Wetchem

Client Sample Id:	Parameter:	Unit:	Result:
MW-19	CONDUCTIVITY (120.1/2510 B)	UMH/CM	740
	PH (150.1)	UNITS	7.6
MW-20	CONDUCTIVITY (120.1/2510 B)	UMH/CM	600
	PH (150.1)	UNITS	7.8
TRIP BLANK	CONDUCTIVITY (120.1/2510 B)	UMH/CM	2
	PH (150.1)	UNITS	6.1
PZ-2	CONDUCTIVITY (120.1/2510 B)	UMH/CM	3
	PH (150.1)	UNITS	5.7
MW-9	CONDUCTIVITY (120.1/2510 B)	UMH/CM	620
	PH (150.1)	UNITS	7.8
MW-16	CONDUCTIVITY (120.1/2510 B)	UMH/CM	870
	PH (150.1)	UNITS	7.8
MW-14	CONDUCTIVITY (120.1/2510 B)	UMH/CM	730
	PH (150.1)	UNITS	8.2
MW-21	CONDUCTIVITY (120.1/2510 B)	UMH/CM	610
	PH (150.1)	UNITS	7.9
MW-22	CONDUCTIVITY (120.1/2510 B)	UMH/CM	690
	PH (150.1)	UNITS	7.7

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

Analysis Report

Analysis: TOTAL ORGANIC CARBON

Accession:	804380
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	804419
Project Name:	SPARTON TECHNOLOGY
Project Location:	N/S
Department:	SEMI-VOLATILE FUELS

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC CARBON
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A
Matrix: WATER
QC Level: II

Lab Id: 001 Sample Date/Time: 23-APR-98 1111
Client Sample Id: MW-19 Received Date: 24-APR-98

Batch: TOW030 Extraction Date: N/A
Blank: A Dry Weight %: N/A Analysis Date: 04-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	17	1	
ANALYST	INITIALS	BT		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC CARBON
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A
Matrix: WATER
QC Level: II

Lab Id: 002 Sample Date/Time: 23-APR-98 1149
Client Sample Id: MW-20 Received Date: 24-APR-98

Batch: TOW030 Extraction Date: N/A
Blank: A Dry Weight %: N/A Analysis Date: 04-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	17	1	
ANALYST	INITIALS	BT		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC CARBON
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A
Matrix: WATER
QC Level: II

Lab Id: 003
Client Sample Id: TRIP BLANK

Sample Date/Time: 15-APR-98 1000
Received Date: 24-APR-98

Batch: TOW030
Blank: A

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 04-MAY-98

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

Comments:

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC CARBON
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A
Matrix: WATER
QC Level: II

Lab Id: 004
Client Sample Id: PZ-2

Sample Date/Time: 23-APR-98 1047
Received Date: 24-APR-98

Batch: TOW030
Blank: A
Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 04-MAY-98

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

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC CARBON
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A
Matrix: WATER
QC Level: II

Lab Id: 005 Sample Date/Time: 23-APR-98 1225
Client Sample Id: MW-9 Received Date: 24-APR-98

Batch: TOW030 Extraction Date: N/A
Blank: A Dry Weight %: N/A Analysis Date: 04-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	30	1	
ANALYST	INITIALS	BT		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession:	804380
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	804419
Project Name:	SPARTON TECHNOLOGY
Project Location:	N/S
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	006	Sample Date/Time:	23-APR-98 1419
Client Sample Id:	MW-16	Received Date:	24-APR-98
Batch: TOW030		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	04-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	38	1	
ANALYST	INITIALS	BT		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC CARBON
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A
Matrix: WATER
QC Level: II

Lab Id: 007
Client Sample Id: MW-14

Sample Date/Time: 23-APR-98 1333
Received Date: 24-APR-98

Batch: TOW030
Blank: A

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 04-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	5	1	
ANALYST	INITIALS	BT		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC CARBON
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A
Matrix: WATER
QC Level: II

Lab Id: 008
Client Sample Id: MW-21

Sample Date/Time: 23-APR-98 1330
Received Date: 24-APR-98

Batch: TOW030
Blank: A

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 04-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	32	1	
ANALYST	INITIALS	BT		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC CARBON
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A
Matrix: WATER
QC Level: II

Lab Id: 009 Sample Date/Time: 23-APR-98 1440
Client Sample Id: MW-22 Received Date: 24-APR-98

Batch: TOW030 Extraction Date: N/A
Blank: A Dry Weight %: N/A Analysis Date: 04-MAY-98

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

Comments:

"Method Report Summary"

Accession Number: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC CARBON

Client Sample Id:	Parameter:	Unit:	Result:
MW-19	TOTAL ORGANIC CARBON	MG/L	17
MW-20	TOTAL ORGANIC CARBON	MG/L	17
MW-9	TOTAL ORGANIC CARBON	MG/L	30
MW-16	TOTAL ORGANIC CARBON	MG/L	38
MW-14	TOTAL ORGANIC CARBON	MG/L	5
MW-21	TOTAL ORGANIC CARBON	MG/L	32
MW-22	TOTAL ORGANIC CARBON	MG/L	1

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

Analysis Report

Analysis: TOTAL ORGANIC HALIDES IN WATER

Accession:	804380
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	804419
Project Name:	SPARTON TECHNOLOGY
Project Location:	N/S
Department:	SEMI-VOLATILE FUELS

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC HALIDES IN WATER
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A
Matrix: WATER
QC Level: IIM

Lab Id: 001
Client Sample Id: MW-19

Sample Date/Time: 23-APR-98 1111
Received Date: 24-APR-98

Batch: TXW013
Blank: E

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 05-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.04	0.01	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC HALIDES IN WATER
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A
Matrix: WATER
QC Level: IIM

Lab Id: 002
Client Sample Id: MW-20
Sample Date/Time: 23-APR-98 1149
Received Date: 24-APR-98

Batch: TXW013
Blank: B
Dry Weight %: N/A
Extraction Date: N/A
Analysis Date: 30-APR-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.03	0.01	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC HALIDES IN WATER
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A
Matrix: WATER
QC Level: IIM

Lab Id: 003
Client Sample Id: TRIP BLANK

Sample Date/Time: 15-APR-98 1000
Received Date: 24-APR-98

Batch: TXW013
Blank: E Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 05-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC HALIDES IN WATER
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A
Matrix: WATER
QC Level: IIM

Lab Id: 004 Sample Date/Time: 23-APR-98 1047
Client Sample Id: PZ-2 Received Date: 24-APR-98

Batch: TXW013 Extraction Date: N/A
Blank: D Dry Weight %: N/A Analysis Date: 04-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC HALIDES IN WATER
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A
Matrix: WATER
QC Level: IIM

Lab Id: 005
Client Sample Id: MW-9
Sample Date/Time: 23-APR-98 1225
Received Date: 24-APR-98

Batch: TXW013
Blank: D
Dry Weight %: N/A
Extraction Date: N/A
Analysis Date: 04-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.54	0.1	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC HALIDES IN WATER
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A
Matrix: WATER
QC Level: IIM

Lab Id: 006 Sample Date/Time: 23-APR-98 1419
Client Sample Id: MW-16 Received Date: 24-APR-98

Batch: TXW013 Extraction Date: N/A
Blank: D Dry Weight %: N/A Analysis Date: 04-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	1.8	1	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC HALIDES IN WATER
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A
Matrix: WATER
QC Level: IIM

Lab Id: 007 Sample Date/Time: 23-APR-98 1333
Client Sample Id: MW-14 Received Date: 24-APR-98

Batch: TXW013 Extraction Date: N/A
Blank: D Dry Weight %: N/A Analysis Date: 04-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	1.0	0.1	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC HALIDES IN WATER
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A
Matrix: WATER
QC Level: IIM

Lab Id: 008
Client Sample Id: MW-21

Sample Date/Time: 23-APR-98 1330
Received Date: 24-APR-98

Batch: TXW013
Blank: D

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 04-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.09	0.01	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC HALIDES IN WATER
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A
Matrix: WATER
QC Level: IIM

Lab Id: 009
Client Sample Id: MW-22

Sample Date/Time: 23-APR-98 1440
Received Date: 24-APR-98

Batch: TXW013
Blank: E

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 05-MAY-98

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.12	0.01	
ANALYST	INITIALS	PLD		

Comments:

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"Method Report Summary"

Accession Number: 804380
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 804419
Project Name: SPARTON TECHNOLOGY
Project Location: N/S
Test: TOTAL ORGANIC HALIDES IN WATER

Client Sample Id:	Parameter:	Unit:	Result:
MW-19	TOTAL ORGANIC HALIDES	MG/L	0.04
MW-20	TOTAL ORGANIC HALIDES	MG/L	0.03
MW-9	TOTAL ORGANIC HALIDES	MG/L	0.54
MW-16	TOTAL ORGANIC HALIDES	MG/L	1.8
MW-14	TOTAL ORGANIC HALIDES	MG/L	1.0
MW-21	TOTAL ORGANIC HALIDES	MG/L	0.09
MW-22	TOTAL ORGANIC HALIDES	MG/L	0.12

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

Quality Control Report

Analysis: Group of Single Wetchem

Accession:	804380
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	804419
Project Name:	SPARTON TECHNOLOGY
Project Location:	N/S
Department:	WET CHEM

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

Date 04-May-98

"WetChem Quality Control Report"

Parameter:	CONDUCT'Y	PH
Batch Id:	CDW009	PHW086
Blank Result:	<1	N/A
Anal. Method:	120.1	150.1
Prep. Method:	N/A	N/A
Analysis Date:	28-APR-98	24-APR-98
Prep. Date:	28-APR-98	24-APR-98

Sample Duplication

Sample Dup:	804184-1	804380-1
Rept Limit:	<1	N/A
Sample Result:	1178	7.64
Dup Result:	1176	7.64
Sample RPD:	0	0
Max RPD:	2	0.12
Dry Weight%	N/A	N/A

Matrix Spike

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

ICV

ICV Result:	10.28
True Result:	10.00
% Recovery:	103
% Rec Limits:	90-110

LCS

LCS Result:	1430	6.87
True Result:	1412	6.87
% Recovery:	101	100
% Rec Limits:	98-102	96-104

"Quality Control Comments"

Batch Id:	Comments:
CDW009	804383-1,2; 804458-1 AND 804380-1,2,3,4,5,6,7,8,9
CDW009	WERE ALL ADDED ONTO BATCH ON 29-APR-98.

----- Common Footnotes WetChem -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW AEN REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
N/D = NOT DETECTED.
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X AEN REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW AEN REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DISTILLATION) SPIKE IS REPORTED DUE TO PERCENT RECOVERY BEING OUTSIDE ACCEPTANCE LIMITS ON THE MATRIX (PRE-DISTILLATION) SPIKE.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE (DILUTION PRIOR DIGESTION AND/OR ANALYSIS).
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX (DILUTION PRIOR TO DIGESTION AND/OR ANALYSIS).
P = ANALYTICAL (POST DIGESTION) SPIKE.
I = DUPLICATE INJECTION.
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
H = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X AEN REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE AEN REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW THE REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X AEN REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE AEN REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL". SAMPLE IS NON-HOMOGENEOUS.
(*) = REPORTING LIMITS RAISED DUE TO CLP METHOD NOT REQUIRING A CONCENTRATION STEP FOR CN.
(CA) = SEE CORRECTIVE ACTIONS FORM.
**= MATRIX INTERFERENCE
SW-846, 3rd Edition, latest EPA-approved edition.
EPA 600/4-79-020, Revised March 1983.
STANDARD METHODS, For the Examination of Water and Wastewater, latest EPA-approved edition
NIOSH Manual of Analytical Methods, 4th Edition.
ANNUAL BOOK OF ASTM STANDARDS, VOLUMES 11.01 and 11.02, latest EPA-approved edition.
METHODS FOR THE DETERMINATION OF INORGANIC SUBSTANCES IN ENVIRONMENTAL SAMPLES, EPA600/R-93/100, AUGUST 1993
METHODS FOR SOIL ANALYSIS, PART 2, CHEMICAL AND MICROBILOGICAL PROPERTIES, 2ND EDITION.
AEN-PN USES THE MOST CURRENT PROMULGATED METHODS FROM THE REFERENCES LISTED ABOVE.

1. COLIFORM. COLIFORM PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE LOGARITHM OF COLONIES PER 100 MLS OF SAMPLE ON DUPLICATE PLATES.
2. PH. PH PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS.
3. FLASHPOINT. FLASHPOINT PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION).
RPT LMTS = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

DPH = DOLLY P. HWANG RB = REBECCA BROWN WH = WENDY HAGGARD
ED = ESTHER DANTIN CR = CYNTHIA ROBERTS AB = AMY BRADLEY
BE = BETTY EVERTON PLD = PAULA L. DOUGHTY JTZ = JONATHAN T. ZIENTARSKI
RH = RICKY HAGENDORFER

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

Quality Control Report

Analysis: TOTAL ORGANIC CARBON

Accession:	804380
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	804419
Project Name:	SPARTON TECHNOLOGY
Project Location:	N/S
Department:	SEMI-VOLATILE FUELS

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"QC Report"

Title: Water Blank
Batch: TOW030
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A

Blank Id: A Date Analyzed: 04-MAY-98 Date Extracted: N/A

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

Comments:

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"QC Report"

Title: Water LCS
Batch: TOW030
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A

RS Date Analyzed: 04-MAY-98 RS Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	RS Conc	RS %Rec	Rec Lmts
TOC	6.7	<1	7.2	107	71-127

Surrogates:

Comments:

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

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"QC Report"

Title: Water Matrix Spike/Matrix Spike Duplicate
Batch: TOW030
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 804509-3

MS Date Analyzed: 04-MAY-98
MSD Date Analyzed: 04-MAY-98

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

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	6.7	2.4	7.6	78	7.5	76	3	30	51-135

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
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Common Notation for Organic Reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
UG = MICROGRAMS
UG/L = PARTS PER BILLION
UG/KG = PARTS PER BILLION
MG/M3 = MILLIGRAM PER CUBIC METER
PPMV = PART PER MILLION BY VOLUME
MG/KG = PARTS PER MILLION
MG/L = PARTS PER MILLION
< = LESS THAN
ND = NOT DETECTED

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

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

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

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

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

AEN/GC/FIX
AEN GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

AEN/GC/FPD
AEN GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

AEN/GC/PID
AEN GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

AEN/GC/TCD
AEN GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

SW-846 METHOD 9020
PARTICULATE MATTER IS REMOVED BY ALLOWING PARTICULATES TO SETTLE IN THE SAMPLE CONTAINER AND DECANTING THE SUPERNATANT LIQUID. EXCESSIVE PARTICULATES ARE REMOVED BY FILTRATION OF THE SUPERNATANT LIQUID.

RSK 175
SAMPLE PREPARATION AND CALCULATIONS FOR DISSOLVED GAS ANALYSIS IN WATER SAMPLES USING A GC HEADSPACE EQUILIBRATION TECHNIQUE, RSK SOP-175, ROBERT S. KERR ENVIRONMENTAL RESEARCH LABORATORY, USEPA, AUGUST 11, 1994.

AEN-PN USES THE MOST CURRENT PROMULGATED METHODS CONTAINED IN THE REFERENCE MANUALS.

SW = STEVE WILHITE
RW = ROBERT WOLFE
KS = KENDALL SMITH
LB = LISA BIZZELL
JO = JENNIFER O'NEAL
LP = LEVERNE PETERSON
PLD = PAULA DOUGHTY
JL = JANET LECLEAR
RC = RON CALI
DK = DARLENE KINCHEN
BT = BECKY TREMMEL

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

Quality Control Report

Analysis: TOTAL ORGANIC HALIDES IN WATER

Accession:	804380
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	804419
Project Name:	SPARTON TECHNOLOGY
Project Location:	N/S
Department:	SEMI-VOLATILE FUELS

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"QC Report"

Title: Water Blank
Batch: TXW013
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: E Date Analyzed: 05-MAY-98 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	PLD	

Comments:

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"QC Report"

Title: Water Blank
Batch: TXW013
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: B Date Analyzed: 30-APR-98 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	PLD	

Comments:

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"QC Report"

Title: Water Blank
Batch: TXW013
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: D Date Analyzed: 04-MAY-98 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	PLD	

Comments:

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (850) 474-1001

"QC Report"

Title: Water Matrix Spike/Matrix Spike Duplicate
Batch: TXW013
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 804361-1

MS Date Analyzed: 30-APR-98
MSD Date Analyzed: 30-APR-98

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

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOTAL ORGANIC HALIDES	0.050	0.008	0.054	92	0.056	96	4	20	75-125

Surrogates:

Comments:

Notes:
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SW-846 METHOD 9020
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RSK 175
SAMPLE PREPARATION AND CALCULATIONS FOR DISSOLVED GAS ANALYSIS IN WATER SAMPLES USING A GC HEADSPACE EQUILIBRATION TECHNIQUE, RSK SOP-175, ROBERT S. KERR ENVIRONMENTAL RESEARCH LABORATORY, USEPA, AUGUST 11, 1994.

AEN-PN USES THE MOST CURRENT PROMULGATED METHODS CONTAINED IN THE REFERENCE MANUALS.

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JL = JANET LECLEAR
RC = RON CALI
DK = DARLENE KINCHEN
BT = BECKY TREMMEL

American Environmental Network of Florida

PROJECT SAMPLE INSPECTION FORM

Lab Accession #: 804380 Date Received: 24-APR-98

1. Was there a Chain of Custody? (Yes) No♣
2. Was Chain of Custody properly filled out and relinquished? (Yes) No♣
3. Were samples received cold? (Criteria: 2° - 6°C: AEN-SOP 1055) (Yes) No♣ N/A
4. Were all samples properly labeled and identified? (Yes) No♣
5. Did samples require splitting? Yes♦ (No)
   Req By: PM Client Other♦
6. Were samples received in proper containers for analysis requested? (Yes) No♣
7. Were all sample containers received intact? Yes (No♣)
8. Were samples checked for preservative? *(Check pH of all H_2O requiring preservative except VOA vials that require zero headspace)*+ (Yes) No♣ N/A
9. Is there sufficient volume for analysis requested? (Yes) No♣
10. Were samples received within Holding Time? (REFER TO AEN-SOP 1040) (Yes) No♣
11. Is Headspace visible > ¼" in diameter in VOA vials?* If any headspace is evident, comment in out-of-control Yes♣ No (N/A)
12. If sent, were matrix spike bottles returned? Yes No♣ (N/A)
13. Was Project Manager notified of problems? (initials:_____) Yes No♣ (N/A)

Airbill Number(s): See Attached 3638129537 3643127345

Shipped By: Fedex

Cooler Number(s): Thiers

Shipping Charges: N/A

Cooler Weight(s): N/A

Cooler Temp(s) (°C): 4°C CCK7

(LIST THERMOMETER NUMBER(S) FOR VERIFICATION)

Out of Control Events and Inspection Comments:

Bottle for TOC Analysis on 804419-09 received broken. LK 4/2

(USE BACK OF PSIF FOR ADDITIONAL NOTES AND COMMENTS)

Inspected By: L. Kitt Date: 24-APR-98 Logged By: M. Patrick Date: 24-APR-98

♣ *Note all Out-of-Control and/or questionable events on Comment Section of this form.*

♦ *Note who requested the splitting of samples on the Comment Section of this form.*

\+ *All preservatives for the State of North Carolina, the State of New York, and other requested samples are to be recorded on the sheet provided to record pH results (AEN-SOP 938, section 2.2.9).*

* *According to EPA, ¼" of headspace is allowed in 40 ml vials requiring volatile analysis, however, AEN makes it policy to record any headspace as out-of-control (AEN-SOP 938, section 2.2.12).*

AMERICAN ENVIRONMENTAL NETWORK
Albuquerque, New Mexico

Interlab Chain of Custody

DATE: 4/23 PAGE: 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: AMERICAN ENVIRONMENTAL NETWORK
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

804380

CLIENT PROJECT MANAGER: Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)			TOX	TOC	Gen Chemistry	pH, EC		Oil and Grease	BOD	COD	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)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta				NUMBER OF CONTAINERS
804419-01	4/23/98	1111	AQ								X	X		X																			
-02		1149									X	X		X																			
-03	4/15/98	1000									X	X		X																			
-04	4/23/98	1047									X	X		X																			
-05		1225									X	X		X																			
-06		1419									X	X		X																			
-07		1333									X	X		X																			
-08		1330									X	X		X																			
-09		1440									X	X		X																			

PROJECT INFORMATION	
PROJECT NUMBER:	804419
PROJECT NAME:	Sparton Technology
QC LEVEL:	(STD.) IV
QC REQUIRED:	MS MSD BLANK
TAT:	(STANDARD) RUSHI

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

DUE DATE: 5/5/98
RUSH SURCHARGE:
CLIENT DISCOUNT:
SPECIAL CERTIFICATION REQUIRED: ☐YES ☐NO

SAMPLES SENT TO:	
CONNECTICUT	
ILLINOIS	
MASSACHUSETTS	
PENSACOLA	X
PORTLAND	
PHOENIX	
N.CAROLINA	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: John Caldwell Time: 1700	Signature: Time:
Printed Name: John Caldwell Date: 4/23/98	Printed Name: Date:
Albuquerque	Company:
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Linda Kitt Time: 0838	Signature: Time:
Printed Name: Linda Kitt Date: 4/24/98	Printed Name: Date:
Company: AEN/71	Company:

American Environmental Network (NM), Inc.
Albuquerque • Phoenix • Pensacola • Portland • Pleasant Hills • Columbia

CHAIN OF CUSTODY

DATE: 4-23-98 PAGE: 1 OF 1

AEN LAB ID: [redacted]

SHADED AREAS FOR LAB USE ONLY

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: John M. Wakefield

COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 9621 Coors Rd., NW
Albuquerque, NM 87114
PHONE: (505) 892-5300
FAX: (505) 892-5515

BILL TO: John M. Wakefield
COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 4901 Rockaway Blvd., NE
Rio Rancho, NM 87124

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct/Inject	TOX	(M8015) Gas/Purge & Trap	Gasoline/BTEX & MTBE (M8015/8020)	BTXE/MTBE (8020)	BTEX & Chlorinated Aromatics (602/8020)	BTEX/MTBE/EDC & EDB (8020/8010/Short)	Chlorinated Hydrocarbons (601/8010)	TOC	504 EDB ☐ / DBCP ☐	Polynuclear Aromatics (610/8310)	Volatile Organics (624/8240) GC/MS	Volatile Organics (8260) GC/MS	pH + Specific Conductance	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)		General Chemistry: Dissolved Cr, As Delete JMW 4/23/98		Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:		NUMBER OF CONTAINERS
~~Airstripper Effluent~~			Aq				↓	Delete					N	A	←																	
MW-19	4-23-98	1111	AQ	-01			X						X	X					X													5
MW-20	"	1149	"	-02			X						X	X					X													5
Trip Blank	4-15-98	1000	"	-03			X						X	X					X													5
PZ-2	4-23-98	1047	"	-04			X						X	X					X													5
MW-9	"	1225	"	-05			X						X	X					X													5
MW-16	"	1419	"	-06			X						X	X					X													5
MW-14	"	1333	"	-07			X						X	X					X													5
MW-21	"	1330	"	-08			X						X	X					X													5
MW-22	"	1440	"	-09			X						X	X					X													5

PROJECT INFORMATION

PROJ. NO.: 042398-A
PROJ. NAME: ~~Airstripper/Metals~~ ACMP-2098
P.O. NO.: ~~54476-2-06~~ Delete JMW 4/23/98
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. OF CONTAINERS: 44
CUSTODY SEALS: ON / N/A
RECEIVED INTACT: YES
BLUE ICE: YES

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: FIXED FEE ☐

COPC on Codes

Please filter then preserve sample for dissolved metals analysis.

From Field Delete JMW - 4/23/98

RELINQUISHED BY: 1
Signature: [signature] Time: 1507
Printed Name: John M. Wakefield Date: 4-23-98
Company: STI

RELINQUISHED BY: 2
Signature: [signature] Time: 1535
Printed Name: Peter H Matzner Date: 4-23-98
Company: METRIC Corp

RECEIVED BY: 1
Signature: [signature] Time: 1507
Printed Name: Peter H. Matzner Date: 4-23-98
Company: Metric Corp

RECEIVED BY (LAB): 2
Signature: [signature] Time: 1535
Printed Name: [signature] Date: 4/23/98
Company: AMERICAN ENVIRONMENTAL NETWORK (NM)

American Environmental Network (NM), Inc.
Albuquerque • Phoenix • Pensacola • Portland • Pleasant Hills • Columbia

CHAIN OF CUSTODY

DATE: 4-23-98 PAGE: 1 OF 1

AEN LAB ID:

SHADED AREAS ARE FOR LAB USE ONLY

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: John M. Wakefield

COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 9621 Coors Rd., NW
Albuquerque, NM 87114
PHONE: (505) 892-5300
FAX: (505) 892-5515

BILL TO: John M. Wakefield
COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 4901 Rockaway Blvd., NE
Rio Rancho, NM 87124

ANALYSIS REQUIRED

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct/Inject	TOX	(M8015) Gas/Purge & Trap	Gasoline/BTEX & MTBE (M8015/8020)	BTXE/MTBE (8020)	BTEX & Chlorinated Aromatics (602/8020)	BTEX/MTBE/EDC & EDB (8020/8010/Short)	Chlorinated Hydrocarbons (601/8010)	TOC	504 EDB☐ / DBCP☐	Polynuclear Aromatics (610/8310)	Volatile Organics (624/8240) GC/MS	Volatile Organics (8260) GC/MS	pH + Specific Conductance	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)		General Chemistry: ~~Dissolved Cr, As Delete~~ JMW 4/23/98		Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:	NUMBER OF CONTAINERS
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MW-14	"	1333	"				X						X	X					X												
MW-21	"	1330	"				X						X	X					X												
MW-22	"	1440	"				X						X	X					X												

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METHANOL PRESERVATION ☐
COMMENTS: FIXED FEE ☐
COPC on Codes
~~Please filter then preserve sample for dissolved metals analysis.~~
From Field Delete JMW - 4/23/98

RELINQUISHED BY: 1
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Printed Name: John M. Wakefield Date: 4-23-98
Company: STI

RELINQUISHED BY: 2
Signature: Peter H Matzner Time: 1535
Printed Name: Peter H Matzner Date: 4-23-98
Company: METRIC Corp

RECEIVED BY: (LAB)
Signature: Peter H Matzner Time: 1507
Printed Name: Peter H Matzner Date: 4-23-98
Company: Metric Corp

RECEIVED BY: (LAB)