CAFB 92

Analytical Technologies, Inc. 9830 S. 51st Street Suite B-113 Phoenix, AZ 85044 (602) 496-4400

ATI I.D. 206880

July 13, 1992

New Mexico Environmental Division
P.O. Box 26110
Santa Fe, NM 87502

Project Name/Number: CAFB

Attention: Steve Alexander

On 06/19/92, Analytical Technologies, Inc. received a request to analyze **aqueous** sample(s). The sample(s) 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.

Barium, cobalt, tin, and vanadium analyses were added on 06/23/92 for sample MW-M. EPA 8080 and EPA 8140 analyses were added on 06/23/92 for sample MW-M.

Xylenes were found in the reagent blank for Method 8240 run on 06/23/92. No xylenes were found in the client's samples.

If you have any questions or comments, please do not hesitate to contact us at (602) 496-4400.

Mary L. Tyer
Mary Tyer
Project Manager

Robert V. Woods
Robert V. Woods
Laboratory Manager

Robert Hemmerth for
Lorraine Davis
QA Coordinator

RVW:ehj
Enclosure

Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

Analytical Technologies, Inc.

CLIENT : NEW MEXICO ENVIRONMENT DEPARTMENT
PROJECT # : (NONE)
PROJECT NAME : CAFB

DATE RECEIVED : 06/19/92
REPORT DATE : 07/10/92

ATI I.D. : 206880

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-M	AQUEOUS	06/18/92
02	TRIP BLANK	AQUEOUS	06/09/92

----- TOTALS -----

MATRIX	# SAMPLES
AQUEOUS	2

ATI STANDARD DISPOSAL PRACTICE

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

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 206880

CLIENT : NEW MEXICO ENVIRONMENT DEPARTMENT
PROJECT # : (NONE)
PROJECT NAME : CAFB

DATE RECEIVED : 06/19/92
REPORT DATE : 07/09/92

PARAMETER	UNITS	01
CYANIDE, TOTAL	MG/L	<0.01
SULFIDE, TOTAL	MG/L	<1
TURBIDITY	NTU	0.14

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : NEW MEXICO ENVIRONMENT DEPARTMENT
PROJECT # : (NONE)
PROJECT NAME : CAFB ATI I.D. : 206880

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
CYANIDE, TOTAL	MG/L	20688001	<0.01	<0.01	NA	0.23	0.25	92
SULFIDE, TOTAL	MG/L	20699951	<1	<1	NA	9.5	8.5	112
TURBIDITY	NTU	20688001	0.14	0.13	7	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.

METALS RESULTS

ATI I.D. : 206880

CLIENT : NEW MEXICO ENVIRONMENT DEPARTMENT
PROJECT # : (NONE)
PROJECT NAME : CAFB

DATE RECEIVED : 06/19/92
REPORT DATE : 07/09/92

PARAMETER	UNITS	01
SILVER	MG/L	<0.010
ARSENIC	MG/L	<0.005
BARIUM	MG/L	0.031
BERYLLIUM	MG/L	<0.005
CADMIUM	MG/L	<0.005
COBALT	MG/L	<0.010
CHROMIUM	MG/L	<0.010
COPPER	MG/L	<0.010
MERCURY	MG/L	<0.0002
NICKEL	MG/L	<0.020
LEAD	MG/L	<0.002
ANTIMONY	MG/L	<0.05
SELENIUM	MG/L	<0.005
TIN	MG/L	<0.03
THALLIUM	MG/L	<0.005
VANADIUM	MG/L	0.023
ZINC	MG/L	<0.010

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

CLIENT : NEW MEXICO ENVIRONMENT DEPARTMENT
PROJECT # : (NONE)
PROJECT NAME : CAFB

ATI I.D. : 206880

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
SILVER	MG/L	20688001	<0.010	<0.010	NA	0.097	0.100	97
ARSENIC	MG/L	20688001	<0.005	<0.005	NA	0.057	0.050	114
BARIUM	MG/L	20688001	0.031	0.030	3	0.127	0.100	96
BERYLLIUM	MG/L	20688001	<0.005	<0.005	NA	0.095	0.100	95
CADMIUM	MG/L	20688001	<0.005	<0.005	NA	0.101	0.100	101
COBALT	MG/L	20682701	<0.010	<0.010	NA	0.105	0.100	105
CHROMIUM	MG/L	20688001	<0.010	<0.010	NA	0.107	0.100	107
COPPER	MG/L	20688001	<0.010	<0.010	NA	0.108	0.100	108
MERCURY	MG/L	20688001	<0.0002	<0.0002	NA	0.0050	0.0050	100
NICKEL	MG/L	20688001	<0.020	<0.020	NA	0.105	0.100	105
LEAD	MG/L	20686101	<0.002	<0.002	NA	0.048	0.050	96
ANTIMONY	MG/L	20688001	<0.05	<0.05	NA	1.00	1.00	100
SELENIUM	MG/L	20677001	<0.005	<0.005	NA	0.033	0.050	66
TIN	MG/L	20682701	<0.03	<0.03	NA	1.06	1.00	106
THALLIUM	MG/L	20688001	<0.005	<0.005	NA	0.055	0.050	110
VANADIUM	MG/L	20682701	0.033	0.030	10	0.130	0.100	97
ZINC	MG/L	20688001	<0.010	<0.010	NA	0.113	0.100	113

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

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

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20688001

TEST : CHLORINATED HERBICIDES (EPA 8150)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	DATE SAMPLED	: 06/18/92
PROJECT #	: (NONE)	DATE RECEIVED	: 06/19/92
PROJECT NAME	: CAFB	DATE EXTRACTED	: 06/22/92
CLIENT I.D.	: MW-M	DATE ANALYZED	: 06/25/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
2,4,5-TRICHLOROPHENOXYACETIC ACID	<0.2
2,4-DICHLOROPHENOXYACETIC ACID	<0.4
2-SEC-BUTYL-4,6-DINITROPHENOL	<1.0
SILVEX (2,4,5-TP)	<0.2

SURROGATE PERCENT RECOVERIES

DCAA (%)	71

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : CHLORINATED HERBICIDES (EPA 8150)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	ATI I.D.	: 206880
PROJECT #	: (NONE)	DATE EXTRACTED	: 06/22/92
PROJECT NAME	: CAFB	DATE ANALYZED	: 06/25/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
2,4,5-TRICHLOROPHENOXYACETIC ACID	<0.2
2,4-DICHLOROPHENOXYACETIC ACID	<0.4
2-SEC-BUTYL-4,6-DINITROPHENOL	<1.0
SILVEX (2,4,5-TP)	<0.2

SURROGATE PERCENT RECOVERIES

DCAA (%)	76

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 206880

TEST : CHLORINATED HERBICIDES (EPA 8150)

CLIENT : NEW MEXICO ENVIRONMENT DEPARTMENT
PROJECT # : (NONE)
PROJECT NAME : CAFB
REF I.D. : 20685101

DATE ANALYZED : 06/25/92
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
2,4-D	<0.4	17	15	88	15	88	0
SILVEX	<0.2	3.3	3.3	100	3.5	106	6

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

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20688001

TEST : ORGANOPHOSPHORUS PESTICIDES (EPA 8140)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	DATE SAMPLED	: 06/18/92
PROJECT #	: (NONE)	DATE RECEIVED	: 06/19/92
PROJECT NAME	: CAFB	DATE EXTRACTED	: 06/23/92
CLIENT I.D.	: MW-M	DATE ANALYZED	: 06/26/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
THIONAZIN	<1.0
DISULFOTON	<1.0
FAMPHUR	<2.0
METHYL PARATHION	<1.0
PARATHION	<1.0
PHORATE	<2.0
TETRAETHYLDITHIOPYROPHOSPHATE	<1.0

SURROGATE PERCENT RECOVERIES

TRIPHENYLPHOSPHATE (%)	126

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : ORGANOPHOSPHORUS PESTICIDES (EPA 8140)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	ATI I.D.	: 206880
PROJECT #	: (NONE)	DATE EXTRACTED	: 06/23/92
PROJECT NAME	: CAFB	DATE ANALYZED	: 06/26/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
THIONAZIN	<1.0
DISULFOTON	<1.0
FAMPHUR	<2.0
METHYL PARATHION	<1.0
PARATHION	<1.0
PHORATE	<2.0
TETRAETHYLDITHIOPYROPHOSPHATE	<1.0

SURROGATE PERCENT RECOVERIES

TRIPHENYLPHOSPHATE (%)	99

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 206880

TEST : ORGANOPHOSPHORUS PESTICIDES (EPA 8140)

CLIENT : NEW MEXICO ENVIRONMENT DEPARTMENT
PROJECT # : (NONE)
PROJECT NAME : CAFB
REF I.D. : 20649901

DATE ANALYZED : 06/27/92
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
M-PARATHION	<1.0	42	45	107	46	110	2
E-PARATHION	<1.0	51	55	108	56	110	2

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

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 20688001

TEST : ORGANOCHLORINE PESTICIDES & PCB'S (EPA 8080)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	DATE SAMPLED	: 06/18/92
PROJECT #	: (NONE)	DATE RECEIVED	: 06/19/92
PROJECT NAME	: CAFB	DATE EXTRACTED	: 06/23/92
CLIENT I.D.	: MW-M	DATE ANALYZED	: 06/26/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
ALDRIN	<0.05
ALPHA BHC	<0.05
BETA BHC	<0.05
GAMMA BHC (LINDANE)	<0.05
DELTA BHC	<0.05
CHLORDANE	<0.5
4,4'-DDD	<0.1
4,4'-DDE	<0.1
4,4'-DDT	<0.1
DIELDRIN	<0.1
ENDOSULFAN I	<0.05
ENDOSULFAN II	<0.1
ENDOSULFAN SULFATE	<0.1
ENDRIN	<0.1
ENDRIN ALDEHYDE	<0.1
ENDRIN KETONE	<0.1
HEPTACHLOR	<0.05
HEPTACHLOR EPOXIDE	<0.05
METHOXYCHLOR	<0.5
TOXAPHENE	<1.0
AROCLOR 1016	<0.5
AROCLOR 1221	<0.5
AROCLOR 1232	<0.5
AROCLOR 1242	<0.5
AROCLOR 1248	<0.5
AROCLOR 1254	<0.5
AROCLOR 1260	<0.5
ISODRIN	<0.05
KEPONE	<0.5

SURROGATE PERCENT RECOVERIES

DBC (%)	108
DBOFBP (%)	94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : ORGANOCHLORINE PESTICIDES & PCB'S (EPA 8080)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	ATI I.D.	: 206880
PROJECT #	: (NONE)	DATE EXTRACTED	: 06/23/92
PROJECT NAME	: CAFB	DATE ANALYZED	: 06/25/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
ALDRIN	<0.05
ALPHA BHC	<0.05
BETA BHC	<0.05
GAMMA BHC (LINDANE)	<0.05
DELTA BHC	<0.05
CHLORDANE	<0.5
4,4'-DDD	<0.1
4,4'-DDE	<0.1
4,4'-DDT	<0.1
DIELDRIN	<0.1
ENDOSULFAN I	<0.05
ENDOSULFAN II	<0.1
ENDOSULFAN SULFATE	<0.1
ENDRIN	<0.1
ENDRIN ALDEHYDE	<0.1
ENDRIN KETONE	<0.1
HEPTACHLOR	<0.05
HEPTACHLOR EPOXIDE	<0.05
METHOXYCHLOR	<0.5
TOXAPHENE	<1.0
AROCLOR 1016	<0.5
AROCLOR 1221	<0.5
AROCLOR 1232	<0.5
AROCLOR 1242	<0.5
AROCLOR 1248	<0.5
AROCLOR 1254	<0.5
AROCLOR 1260	<0.5
ISODRIN	<0.05
KEPONE	<0.5

SURROGATE PERCENT RECOVERIES

DBC (%)	107
DBOFBP (%)	101

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 206880

TEST : ORGANOCHLORINE PESTICIDES & PCB'S (EPA 8080)

CLIENT : NEW MEXICO ENVIRONMENT DEPARTMENT
PROJECT # : (NONE)
PROJECT NAME : CAFB
REF I.D. : 20649902

DATE ANALYZED : 06/26/92
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
GAMMA BHC	<0.05	2.0	2.2	110	2.2	110	0
HEPTACHLOR	<0.05	2.0	2.0	100	2.0	100	0
ALDRIN	<0.05	2.0	2.1	105	2.1	105	0
DIELDRIN	<0.1	2.0	2.1	105	2.1	105	0
ENDRIN	<0.1	2.0	2.0	100	1.7	85	16
DDT	<0.1	2.0	2.0	100	2.0	100	0

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

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 20688001

TEST : VOLATILE ORGANICS (EPA 8240)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	DATE SAMPLED	: 06/18/92
PROJECT #	: (NONE)	DATE RECEIVED	: 06/19/92
PROJECT NAME	: CAFB	DATE EXTRACTED	: N/A
CLIENT I.D.	: MW-M	DATE ANALYZED	: 06/23/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
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
1,2-DICHLOROETHENE (TOTAL)	<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
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
ACETONITRILE	<100
ACROLEIN	<20
ACRYLONITRILE	<10
ALLYL CHLORIDE	<5
1,2-DIBROMO-3-CHLOROPROPANE	<5
CHLOROPRENE	<5
1,2-DIBROMOETHANE	<5

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Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 20688001

TEST : VOLATILE ORGANICS (EPA 8240)

COMPOUNDS	RESULTS
DIBROMOMETHANE	<5
DICHLORODIFLUOROMETHANE	<5
1,4-DIOXANE	<150
ETHYL CYANIDE	<25
ISOBUTYL ALCOHOL	<50
METHYL IODIDE	<5
METHACRYLONITRILE	<5
PYRIDINE	<100
1,1,1,2-TETRACHLOROETHANE	<5
TRANS-1,4-DICHLORO-2-BUTENE	<5
TRICHLOROMONOFLUOROMETHANE	<5
1,2,3-TRICHLOROPROPANE	<5
METHYL METHACRYLATE	<5
ETHYL METHACRYLATE	<5

SURROGATE PERCENT RECOVERIES

1,2-DICHLOROETHANE-D4 (%)	109
BFB (%)	107
TOLUENE-D8 (%)	106

Analytical Technologies, Inc.

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

TEST : VOLATILE ORGANICS (EPA 8240)

ATI I.D. : 20688001

COMPOUNDS	RESULTS
HYDROCARBON C6	9

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 20688002

TEST : VOLATILE ORGANICS (EPA 8240)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	DATE SAMPLED	: 06/09/92
PROJECT #	: (NONE)	DATE RECEIVED	: 06/19/92
PROJECT NAME	: CAFB	DATE EXTRACTED	: N/A
CLIENT I.D.	: TRIP BLANK	DATE ANALYZED	: 06/23/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
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
1,2-DICHLOROETHENE (TOTAL)	<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
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
ACETONITRILE	<100
ACROLEIN	<20
ACRYLONITRILE	<10
ALLYL CHLORIDE	<5
1,2-DIBROMO-3-CHLOROPROPANE	<5
CHLOROPRENE	<5
1,2-DIBROMOETHANE	<5

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Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 20688002

TEST : VOLATILE ORGANICS (EPA 8240)

COMPOUNDS	RESULTS
DIBROMOMETHANE	<5
DICHLORODIFLUOROMETHANE	<5
1,4-DIOXANE	<150
ETHYL CYANIDE	<25
ISOBUTYL ALCOHOL	<50
METHYL IODIDE	<5
METHACRYLONITRILE	<5
PYRIDINE	<100
1,1,1,2-TETRACHLOROETHANE	<5
TRANS-1,4-DICHLORO-2-BUTENE	<5
TRICHLOROMONOFLUOROMETHANE	<5
1,2,3-TRICHLOROPROPANE	<5
METHYL METHACRYLATE	<5
ETHYL METHACRYLATE	<5

SURROGATE PERCENT RECOVERIES

1,2-DICHLOROETHANE-D4 (%)	107
BFB (%)	105
TOLUENE-D8 (%)	104

Analytical Technologies, Inc.

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

TEST : VOLATILE ORGANICS (EPA 8240)

ATI I.D. : 20688002

COMPOUNDS	RESULTS
NO ADDITIONAL COMPOUNDS	<5

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : VOLATILE ORGANICS (EPA 8240)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	ATI I.D.	: 206880
PROJECT #	: (NONE)	DATE EXTRACTED	: 06/23/92
PROJECT NAME	: CAFB	DATE ANALYZED	: 06/23/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
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
1,2-DICHLOROETHENE (TOTAL)	<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
BROMOFORM	<5
2-HEXANONE (MBK)	<10
4-METHYL-2-PENTANONE (MIBK)	<10
TETRACHLOROETHENE	<1
TOLUENE	<1
CHLOROBENZENE	<1
ETHYLBENZENE	<1
STYRENE	<1
TOTAL XYLENES	2
ACETONITRILE	<100
ACROLEIN	<20
ACRYLONITRILE	<10
ALLYL CHLORIDE	<5
1,2-DIBROMO-3-CHLOROPROPANE	<5
CHLOROPRENE	<5
1,2-DIBROMOETHANE	<5
DIBROMOMETHANE	<5
DICHLORODIFLUOROMETHANE	<5

(CONTINUED NEXT PAGE)

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

ATI I.D. : 206880

TEST : VOLATILE ORGANICS (EPA 8240)

COMPOUNDS	RESULTS
1,4-DIOXANE	<150
ETHYL CYANIDE	<25
ISOBUTYL ALCOHOL	<50
METHYL IODIDE	<5
METHACRYLONITRILE	<5
PYRIDINE	<100
1,1,1,2-TETRACHLOROETHANE	<5
TRANS-1,4-DICHLORO-2-BUTENE	<5
TRICHLOROMONOFLUOROMETHANE	<5
1,2,3-TRICHLOROPROPANE	<5
METHYL METHACRYLATE	<5
ETHYL METHACRYLATE	<5

SURROGATE PERCENT RECOVERIES

1,2-DICHLOROETHANE-D4 (%)	107
BFB (%)	106
TOLUENE-D8 (%)	106

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 206880

TEST : VOLATILE ORGANICS (EPA 8240)

CLIENT : NEW MEXICO ENVIRONMENT DEPARTMENT
PROJECT # : (NONE)
PROJECT NAME : CAFB
REF I.D. : 20685101

DATE ANALYZED : 06/23/92
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<1	50	48	96	52	104	8
TRICHLOROETHENE	<1	50	43	86	44	88	2
CHLOROBENZENE	<1	50	51	102	52	104	2
TOLUENE	<1	50	51	102	55	110	8
BENZENE	<1	50	46	92	49	98	6

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

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 20688001

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	DATE SAMPLED	: 06/18/92
PROJECT #	: (NONE)	DATE RECEIVED	: 06/19/92
PROJECT NAME	: CAFB	DATE EXTRACTED	: 06/19/92
CLIENT I.D.	: MW-M	DATE ANALYZED	: 06/22/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
ACETOPHENONE	<10
2-ACETYLAMINOFLUORENE	<10
a,a-DIMETHYLPHENETHYLAMINE	<10
4-AMINOBIPHENYL	<10
ARAMITE	<50
CHLOROBENZILATE	<10
DIALLATE	<10
2,6-DICHLOROPHENOL	<10
DIMETHOATE	<10
p-(DIMETHYLAMINO)AZOBENZENE	<10
7,12-DIMETHYLBENZO(a)ANTHRACENE	<10
3,3'-DIMETHYLBENZIDINE	<10
m-DINITROBENZENE	<10
DIPHENYLAMINE	<10
ETHYL METHANESULFONATE	<10
HEXACHLOROPHENE	<10
HEXACHLOROPROPENE	<10
ISOSAFROLE	<10
METHAPYRILENE	<10
3-METHYLCHOLANTHRENE	<10
METHYL METHANESULFONATE	<10
3-METHYLPHENOL (m-CRESOL)	<10
1,4-NAPHTHOQUINONE	<10
1-NAPHTHYLAMINE	<10
2-NAPHTHYLAMINE	<10
5-NITRO-O-TOLUIDINE	<10
4-NITROQUINOLINE-1-OXIDE	<10
N-NITROSODIETHYLAMINE	<10
N-NITROSODI-BUTYLAMINE	<10
N-NITROSOMETHYLETHYLAMINE	<200
N-NITROSOMORPHOLINE	<10
N-NITROSOPIPERIDINE	<10
N-NITROSOPYRROLIDINE	<10
PENTACHLOROBENZENE	<10
PENTACHLORONITROBENZENE	<10
PENTACHLOROETHANE	<10
PHENACETIN	<10
p-PHENYLENEDIAMINE	<10
2-PICOLINE	<10
PRONAMIDE	<10
SAFROLE	<10

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Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 20688001

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	DATE SAMPLED	: 06/18/92
PROJECT #	: (NONE)	DATE RECEIVED	: 06/19/92
PROJECT NAME	: CAFB	DATE EXTRACTED	: 06/19/92
CLIENT I.D.	: MW-M	DATE ANALYZED	: 06/22/92
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
N-NITROSODIMETHYLAMINE	<10
PHENOL	<10
ANILINE	<10
BIS(2-CHLOROETHYL)ETHER	<10
2-CHLOROPHENOL	<10
1,3-DICHLOROBENZENE	<10
1,4-DICHLOROBENZENE	<10
BENZYL ALCOHOL	<10
1,2-DICHLOROBENZENE	<10
2-METHYLPHENOL	<10
BIS(2-CHLOROISOPROPYL)ETHER	<10
4-METHYLPHENOL	<10
N-NITROSO-DI-N-PROPYLAMINE	<10
HEXACHLOROETHANE	<10
NITROBENZENE	<10
ISOPHORONE	<10
2-NITROPHENOL	<10
2,4-DIMETHYLPHENOL	<10
BENZOIC ACID	<50
BIS(2-CHLOROETHOXY)METHANE	<10
2,4-DICHLOROPHENOL	<10
1,2,4-TRICHLOROBENZENE	<10
NAPHTHALENE	<10
4-CHLOROANILINE	<10
HEXACHLOROBUTADIENE	<10
4-CHLORO-3-METHYLPHENOL	<10
2-METHYLNAPHTHALENE	<10
HEXACHLOROCYCLOPENTADIENE	<10
2,4,6-TRICHLOROPHENOL	<10
2,4,5-TRICHLOROPHENOL	<50
2-CHLORONAPHTHALENE	<10
2-NITROANILINE	<50
DIMETHYLPHTHALATE	<10
ACENAPHTHYLENE	<10
3-NITROANILINE	<50
ACENAPHTHENE	<10
2,4-DINITROPHENOL	<50
4-NITROPHENOL	<50
DIBENZOFURAN	<10
2,4-DINITROTOLUENE	<10
2,6-DINITROTOLUENE	<10

(CONTINUED NEXT PAGE)

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 20688001

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

COMPOUNDS	RESULTS
1,2,4,5-TETRACHLOROBENZENE	<10
2,3,4,6-TETRACHLOROPHENOL	<10
o-TOLUIDINE	<10
1,3,5-TRINITROBENZENE	<10
O,O,O-TRIETHYLPHOSPHOROTHIOATE	<10

Analytical Technologies, Inc.

GCMS - RESULTS

ATI I.D. : 20688001

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

COMPOUNDS	RESULTS
DIETHYLPHTHALATE	<10
4-CHLOROPHENYL-PHENYLETHER	<10
FLUORENE	<10
4-NITROANILINE	<50
4,6-DINITRO-2-METHYLPHENOL	<50
N-NITROSODIPHENYLAMINE	<10
4-BROMOPHENYL-PHENYLETHER	<10
HEXACHLOROBENZENE	<10
PENTACHLOROPHENOL	<50
PHENANTHRENE	<10
ANTHRACENE	<10
DI-N-BUTYLPHTHALATE	<10
FLUORANTHENE	<10
BENZIDINE	<100
PYRENE	<10
BUTYLBENZYLPHTHALATE	<10
3,3'-DICHLOROBENZIDINE	<20
BENZO(a)ANTHRACENE	<10
BIS(2-ETHYLHEXYL)PHTHALATE	<10
CHRYSENE	<10
DI-N-OCTYLPHTHALATE	<10
BENZO(b)FLUORANTHENE	<10
BENZO(k)FLUORANTHENE	<10
BENZO(a)PYRENE	<10
INDENO(1,2,3-cd)PYRENE	<10
DIBENZO(a,h)ANTHRACENE	<10
BENZO(g,h,i)PERYLENE	<10

SURROGATE PERCENT RECOVERIES

NITROBENZENE-D5 (%)	85
2-FLUOROBIPHENYL (%)	89
TERPHENYL (%)	85
PHENOL-D6 (%)	68
2-FLUOROPHENOL (%)	58
2,4,6-TRIBROMOPHENOL (%)	88

Analytical Technologies, Inc.

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

ATI I.D. : 20688001

COMPOUNDS	RESULTS
NO ADDITIONAL COMPOUNDS	<20

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	ATI I.D.	: 206880
PROJECT #	: (NONE)	DATE EXTRACTED	: 06/19/92
PROJECT NAME	: CAFB	DATE ANALYZED	: 06/22/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
ACETOPHENONE	<10
2-ACETYLAMINOFLUORENE	<10
a,a-DIMETHYLPHENETHYLAMINE	<10
4-AMINOBIPHENYL	<10
ARAMITE	<50
CHLOROBENZILATE	<10
DIALLATE	<10
2,6-DICHLOROPHENOL	<10
DIMETHOATE	<10
p-(DIMETHYLAMINO)AZOBENZENE	<10
7,12-DIMETHYLBENZO(a)ANTHRACENE	<10
3,3'-DIMETHYLBENZIDINE	<10
m-DINITROBENZENE	<10
DIPHENYLAMINE	<10
ETHYL METHANESULFONATE	<10
HEXACHLOROPHENE	<10
HEXACHLOROPROPENE	<10
ISOSAFROLE	<10
METHAPYRILENE	<10
3-METHYLCHOLANTHRENE	<10
METHYL METHANESULFONATE	<10
3-METHYLPHENOL (m-CRESOL)	<10
1,4-NAPHTHOQUINONE	<10
1-NAPHTHYLAMINE	<10
2-NAPHTHYLAMINE	<10
5-NITRO-O-TOLUIDINE	<10
4-NITROQUINOLINE-1-OXIDE	<10
N-NITROSODIETHYLAMINE	<10
N-NITROSODI-BUTYLAMINE	<10
N-NITROSOMETHYLETHYLAMINE	<200
N-NITROSOMORPHOLINE	<10
N-NITROSOPIPERIDINE	<10
N-NITROSOPYRROLIDINE	<10
PENTACHLOROBENZENE	<10
PENTACHLORONITROBENZENE	<10
PENTACHLOROETHANE	<10
PHENACETIN	<10
p-PHENYLENEDIAMINE	<10
2-PICOLINE	<10
PRONAMIDE	<10
SAFROLE	<10
1,2,4,5-TETRACHLOROBENZENE	<10
2,3,4,6-TETRACHLOROPHENOL	<10

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Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

CLIENT	: NEW MEXICO ENVIRONMENT DEPARTMENT	ATI I.D.	: 206880
PROJECT #	: (NONE)	DATE EXTRACTED	: 06/19/92
PROJECT NAME	: CAFB	DATE ANALYZED	: 06/22/92
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
N-NITROSODIMETHYLAMINE	<10
PHENOL	<10
ANILINE	<10
BIS(2-CHLOROETHYL)ETHER	<10
2-CHLOROPHENOL	<10
1,3-DICHLOROBENZENE	<10
1,4-DICHLOROBENZENE	<10
BENZYL ALCOHOL	<10
1,2-DICHLOROBENZENE	<10
2-METHYLPHENOL	<10
BIS(2-CHLOROISOPROPYL)ETHER	<10
4-METHYLPHENOL	<10
N-NITROSO-DI-N-PROPYLAMINE	<10
HEXACHLOROETHANE	<10
NITROBENZENE	<10
ISOPHORONE	<10
2-NITROPHENOL	<10
2,4-DIMETHYLPHENOL	<10
BENZOIC ACID	<50
BIS(2-CHLOROETHOXY)METHANE	<10
2,4-DICHLOROPHENOL	<10
1,2,4-TRICHLOROBENZENE	<10
NAPHTHALENE	<10
4-CHLOROANILINE	<10
HEXACHLOROBUTADIENE	<10
4-CHLORO-3-METHYLPHENOL	<10
2-METHYLNAPHTHALENE	<10
HEXACHLOROCYCLOPENTADIENE	<10
2,4,6-TRICHLOROPHENOL	<10
2,4,5-TRICHLOROPHENOL	<50
2-CHLORONAPHTHALENE	<10
2-NITROANILINE	<50
DIMETHYLPHTHALATE	<10
ACENAPHTHYLENE	<10
3-NITROANILINE	<50
ACENAPHTHENE	<10
2,4-DINITROPHENOL	<50
4-NITROPHENOL	<50
DIBENZOFURAN	<10
2,4-DINITROTOLUENE	<10
2,6-DINITROTOLUENE	<10
DIETHYLPHTHALATE	<10
4-CHLOROPHENYL-PHENYLETHER	<10

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Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

ATI I.D. : 206880

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

COMPOUNDS	RESULTS
o-TOLUIDINE	<10
1,3,5-TRINITROBENZENE	<10
O,O,O-TRIETHYLPHOSPHOROTHIOATE	<10

Analytical Technologies, Inc.

GCMS - RESULTS

REAGENT BLANK

ATI I.D. : 206880

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

COMPOUNDS	RESULTS
FLUORENE	<10
4-NITROANILINE	<50
4,6-DINITRO-2-METHYLPHENOL	<50
N-NITROSODIPHENYLAMINE	<10
4-BROMOPHENYL-PHENYLETHER	<10
HEXACHLOROBENZENE	<10
PENTACHLOROPHENOL	<50
PHENANTHRENE	<10
ANTHRACENE	<10
DI-N-BUTYLPHTHALATE	<10
FLUORANTHENE	<10
BENZIDINE	<100
PYRENE	<10
BUTYLBENZYLPHTHALATE	<10
3,3'-DICHLOROBENZIDINE	<20
BENZO(a)ANTHRACENE	<10
BIS(2-ETHYLHEXYL)PHTHALATE	<10
CHRYSENE	<10
DI-N-OCTYLPHTHALATE	<10
BENZO(b)FLUORANTHENE	<10
BENZO(k)FLUORANTHENE	<10
BENZO(a)PYRENE	<10
INDENO(1,2,3-cd)PYRENE	<10
DIBENZO(a,h)ANTHRACENE	<10
BENZO(g,h,i)PERYLENE	<10

SURROGATE PERCENT RECOVERIES

NITROBENZENE-D5 (%)	96
2-FLUOROBIPHENYL (%)	96
TERPHENYL (%)	94
PHENOL-D6 (%)	71
2-FLUOROPHENOL (%)	64
2,4,6-TRIBROMOPHENOL (%)	87

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 206880

TEST : SEMI-VOLATILE ORGANICS (EPA 8270)

CLIENT : NEW MEXICO ENVIRONMENT DEPARTMENT
PROJECT # : (NONE)
PROJECT NAME : CAFB
REF I.D. : 20699908

DATE ANALYZED : 06/19/92
SAMPLE MATRIX :
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,2,4-TRICHLOROBENZENE	<10	100	91	91	89	89	2
ACENAPHTHENE	<10	100	80	80	84	84	5
2,4-DINITROTOLUENE	<10	100	79	79	83	83	5
PYRENE	<10	100	112	112	120	120	7
N-NITROSO-DI-N-PROPYL AMINE	<10	100	91	91	94	94	3
1,4-DICHLOROBENZENE	<10	100	76	76	69	69	10
PENTACHLOROPHENOL	<50	200	127	64	126	63	1
PHENOL	<10	220	153	70	151	69	1
2-CHLOROPHENOL	<10	220	159	72	161	73	1
4-CHLORO-3-METHYLPHENOL	<10	220	171	78	169	77	1
4-NITROPHENOL	<50	200	126	63	119	60	6

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

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

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

CHAIN OF CUSTODY

DATE: 6-18-92 PAGE 1 OF 1

ATI LAB I.D. 206880

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

PROJECT MANAGER:

COMPANY: Sample Control, ATI
ADDRESS: 9830 S. 51st ST. B-113
Phoenix AZ 85044
PHONE: 602-496-4400
FAX:

BILL TO: Above
COMPANY: NMED
ADDRESS: Santa Fe, NM

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)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.			Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)		SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal		The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)		NUMBER OF CONTAINERS
																				turbidity						total cyanide				total sulfide	
MW-M	6-18		WATER	1													2	2	2		1					1		1			1	ID
Trip blank	6-9		water	2															1												1.

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:		NO. CONTAINERS	11
PROJ. NAME:	CAEB	CUSTODY SEALS	(Y) N / NA
P.O. NO.:		RECEIVED INTACT	Y
SHIPPED VIA:		RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments:
11 total number of containers including trip blank
(Appendix II)

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1300	Signature: Time:	Signature: Time:
Printed Name: Date: Steven M. Alexander 6-18-92	Printed Name: Date:	Printed Name: Date:
Company: Phone: NMED (505) 827-4300	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: Time: 11:15
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: Linda Eshelman 6/19/92
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

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

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

CHAIN OF CUSTODY

DATE: 6-17-92 PAGE 1 OF 1

ATI LAB I.D. 206851

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

PROJECT MANAGER:

COMPANY: Sample Control, ATI
ADDRESS: #9830 S. 51st ST B-113
Phoenix, AZ 85044
PHONE: 602-496-4400
FAX:

BILL TO: Above
COMPANY: NMED
ADDRESS:
Santa Fe, NM

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)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.			Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	turbidity	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	total organics		The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)	total sulfide	NUMBER OF CONTAINERS
~~Appendix IX~~ MW-I	6-17		WATER	1													N	N	N		1					1			1		1	10
MW-L	6-17		Water	2													X	X	X		X					X			X		X	
Trip blks	6-9		WATER	3															X													1

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:		NO. CONTAINERS	11
PROJ. NAME:	CAFB	CUSTODY SEALS	Y / N / NA
P.O. NO.:		RECEIVED INTACT	Y
SHIPPED VIA:		RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments:
11 Total containers including trip blank
(Appendix IX)

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY:
Signature: Steven M. Alexander Time: 1311	Signature: Time:	Signature: Time:
Printed Name: Steven M. Alexander Date: 6-17-92	Printed Name: Date:	Printed Name: Date:
Company: NMED Phone: 505-827-4300	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY:(LAB) 3.
Signature: Time:	Signature: Time:	Signature: Linda Eshelman Time: 11:33
Printed Name: Date:	Printed Name: Date:	Printed Name: Linda Eshelman Date: 6/18/92
Company:	Company:	Analytical Technologies, Inc.

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

CHAIN OF CUSTODY

DATE: 6-18-92 PAGE 1 OF 1

ATI LAB I.D. 206880

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

PROJECT MANAGER:

COMPANY: Sample Control, ATI
ADDRESS: 9830 S. 51st ST. B-113
Phoenix AZ 85044
PHONE: 602-496-4400
FAX:

BILL TO: Above
COMPANY: NMED
ADDRESS: Santa Fe, NM

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)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.			Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	turbidity	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	total cyanide	The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)	total sulfide	NUMBER OF CONTAINERS
MW-M	6-18		WATER	1													2	2	2		1					1	1			1	ID
Trip blank	6-9		WATER	2															1												1

JUN 1992 RECEIVED HAZARDOUS PROGRAM

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:		NO. CONTAINERS	11
PROJ. NAME:	CAFB	CUSTODY SEALS	(Y) N / NA
P.O. NO.:		RECEIVED INTACT	Y
SHIPPED VIA:		RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments: 11 total number of containers including trip blank (Appendix IX)

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1300	Signature: Time:	Signature: Time:
Printed Name: Steven M. Alexander Date: 6-18-92	Printed Name: Date:	Printed Name: Date:
Company: NMED Phone: (505) 827-4300	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY:(LAB) 3.
Signature: Time:	Signature: Time:	Signature: Time: 11:15
Printed Name: Date:	Printed Name: Date:	Printed Name: Linda Eshelman Date: 6/19/92
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

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

Analytical Technologies, Inc.

We received the samples as indicated on the attached Chain-of-Custody.

Your project ID: CAFB

ATI's assigned accession #: 206880

ATI Lab Project Manager (LPM): Mary Tyer

Our anticipated report mail date: 6-13-92

Comments: 614 + 608 analyses added

Please review the attached Chain-of-Custody for completeness. If you note any discrepancies, please notify your assigned LPM immediately.

TERMS AND CONDITIONS

Sample Bottles and Containers

Provided at no additional charge. Containers not used should be returned.

Sample Return

The cost of disposing of samples has risen substantially. ATI has not increased its prices to reflect this charge, however ATI reserves the right to return hazardous samples to the client. Please notify ATI if this cannot be accommodated.

Payments

Payments are due net 30 days. Invoices not paid within 60 days will be assessed 1-1/2% interest per month. All prices subject to change without notice.

LIMIT OF LIABILITY AND INDEMNIFICATION

ATI will perform the services, within the limits prescribed by Client, in a manner consistant with that level of care and skill ordinarily exercised by analytical laboratories currently practicing under similar conditions and circumstances and performing similar services. By using the data or analysis performed by ATI, Client acknowledges that the total liability of ATI, its directors, officers, agents, or employees to Client arising out of or in connection with the services to be provided herein shall not exceed the invoiced amount for said services. Client agrees to indemnify and hold harmless ATI from all claims, damages and losses including cost of defense in connection with or arising out of performance of the services, excepting claims, damages and losses resulting from ATI's sole negligence or willful misconduct. The foregoing shall apply notwithstanding any provision to the contrary in any client purchase order issued hereunder.

LE

AnalyticalTechnologies,Inc.
San Diego ▪ Phoenix ▪ Seattle ▪ Pensacola ▪ Ft. Collins ▪ Portland
PH# (602) 496-4400 FAX (602) 496-4101

☐ Pickup ! ient on _____
☒ Ship Federal Express on 6/9/92
☐ Overnight Priority ☐ Bill to Client
☐ Acct.# _____
☐ Standard (next business day by 2:30 p.m.)
☒ Economy (2nd business day by 4:30 p.m.)
☐ Courier to client on _____
☐ UPS to client _____

SAMPLE KIT

COMPANY NAME: NMED
PHONE NUMBER: 505-827-4300
CLIENT CONTACT: Steve Alexander
ATI CONTACT: M. Tyer
DELIVER TO: 525 Camino de Los Marquez, Santa Fe, NM
DATE: 6/8/92
A.M. ____
ATTENTION: Steve Alexander
DATE REQ. 6/11/92
P.M. ✓
SAMPLE RECEIPT DATE: Week of 6/15

PARAMETER	HOLDING TIME	# SAMPLES	BOTTLE DESCRIPTION	PRESERVATIVE
VOLATILES ___ 624 ___ 601/602 ___ 502.1/503.1 (502.2)	14 DAYS	~~4~~	2 X 40 ML VOAS	HCL
ORGANICS ___ 625 ___ 608 ___ 615 ___	7 DAYS	~~4~~ ~~4~~	2 X 1 L AMBER PER ANALYSIS	
FUELS TPH (MOD 8015) BTEX + MTBE (8020) TPH (418.1)	14 DAYS 14 DAYS 28 DAYS		2 X 40 ML VOAS 2 X 40 ML VOAS 2 X 500 ML AMBER	HCL HCL H_2SO_4
TRIP BLANKS	14 DAYS	~~SETS 4 per cooler~~	1 X 40 ML VOA	HCL
X Turbidity	48 hrs	4	~~150~~ 250 ml P	None
X Appendix IX 8270	7 days ext	4	2 x 1000 ml amber	None
Appendix IX 8240	14 days	4	2x 40 ml VOA	HCL
X Appendix IX 8150	7 days ext	4	2 x 1000 ml amber	None
X Appendix IX Metals	28 days	4	~~1000 ml~~ 1000 ml plastic	HNO_3
X Cyanide	14 days	4	1000 ml plastic	NaOH
X Sulfide		4	250 ml Plastic	NaOH + Zinc Acetate
Separate into 4 sets				

☒ BLUE ICE
☒ CHAIN OF CUSTODY
☒ SEALS
☐ PEN
☒ GLOVES
☒ LABELS
☐ OTHER:

☒ COOLER #
1653
1708

■ **PRIOR AUTHORIZATION FROM ATI IS REQUIRED FOR RUSH PROJECTS.**
■ **PLEASE DO NOT REMOVE ANY PLASTIC TAGGING FROM COOLERS.**

These containers were prepared for you by Sample Control of ATI.
PLEASE BE AWARE THAT SOME CONTAINERS MAY HAVE BEEN PRESERVED FOR SAMPLE INTEGRITY.

1. Do not rinse container.
2. Fill container to the top; but do not overfill.
3. Please arrange to have container returned to the lab with Chain-of-Custody as soon as possible, please keep cold.
4. Label the container with your site ID, time and date.
5. Fill in Chain-of-Custody.

If you have any questions, need assistance or a change of containers, please call ATI Sample Control.

Kit Prepared by TED
Received by _____

Analytical **Technologies,** Inc.

Phoenix Office: 9830 S. 51st Street
Suite B-113
Phoenix, AZ 85044
(602) 496-4400

Remit To:
Analytical Technologies, Inc.
P. O. Box 840436
Dallas, Texas 75284-0436

ORIGINAL
INVOICE
TE 70782

BILLED TO : NEW MEXICO ENVIRONMENT DEPARTMENT
P.O. BOX 26110
SANTA FE, NM 87502
505-827-2211

ACCESSION # : 206880
DATE : 07/13/92

CUSTOMER # : 340566

AUTHORIZED BY : STEVE ALEXANDER

P.O. # :

PROJECT NAME : CAFB
PROJECT # :

*** SAMPLES RECEIVED ON 06/19/92

JUL 1992 RECEIVED HAZARDOUS WASTE PROGRAM

TEST DESCRIPTION	QTY.	PRICE	SURCHARGE	TOTAL
APPENDIX IX METALS	1	315.00	0.00	315.00
SEMIVOLATILE ORGANICS (8270) - APPENDIX IX	1	500.00	0.00	500.00
CYANIDE, TOTAL	1	60.00	0.00	60.00
SULFIDE, TOTAL	1	30.00	0.00	30.00
VOLATILE ORGANICS (EPA 8240)	1	375.00	0.00	375.00
TURBIDITY	1	20.00	0.00	20.00
CHLORINATED HERBICIDES (EPA 8150)	1	200.00	0.00	200.00
ORGANOCHLORINE PESTICIDES & PCB'S (EPA 8080)	1	150.00	0.00	150.00
ORGANOPHOSPHORUS PESTICIDES (EPA 8140)	1	225.00	0.00	225.00
			SUBTOTAL	1875.00
			DISCOUNT(10%) -	187.50
		REMIT THIS AMOUNT ---> $		1687.50

[redacted]

TERMS: Net 30 Days - 1½% Finance Charge on Balance Due over 30 days.

ATI-003

DISTRIBUTION: White-Customer, Yellow-File, Pink-Accounting