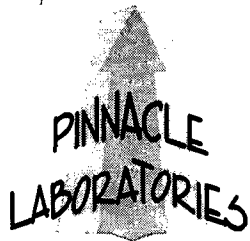


4R - 003

REPORTS

DATE:

July 9, 1999



2709-D Pan American Freeway NE
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Phone (505) 344-3777
Fax (505) 344-4413

Pinnacle Lab ID number **906084**
July 09, 1999

NMOCD
2040 S. PACHECO
SANTA FE, NM 87505

Project Name VERMEJO
Project Number (none)

Attention: BILL OLSON

On 6/23/99 Pinnacle Laboratories, Inc. Inc., (ADHS License No. AZ0592), 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 methods 150.1 and 8260 were performed by Pinnacle Laboratories, Inc., Albuquerque, NM.

Metals were analyzed by Barringer Laboratories, Inc., Golden, Co.

All other parameters were performed by ESL (OR) Inc., Portland, OR.

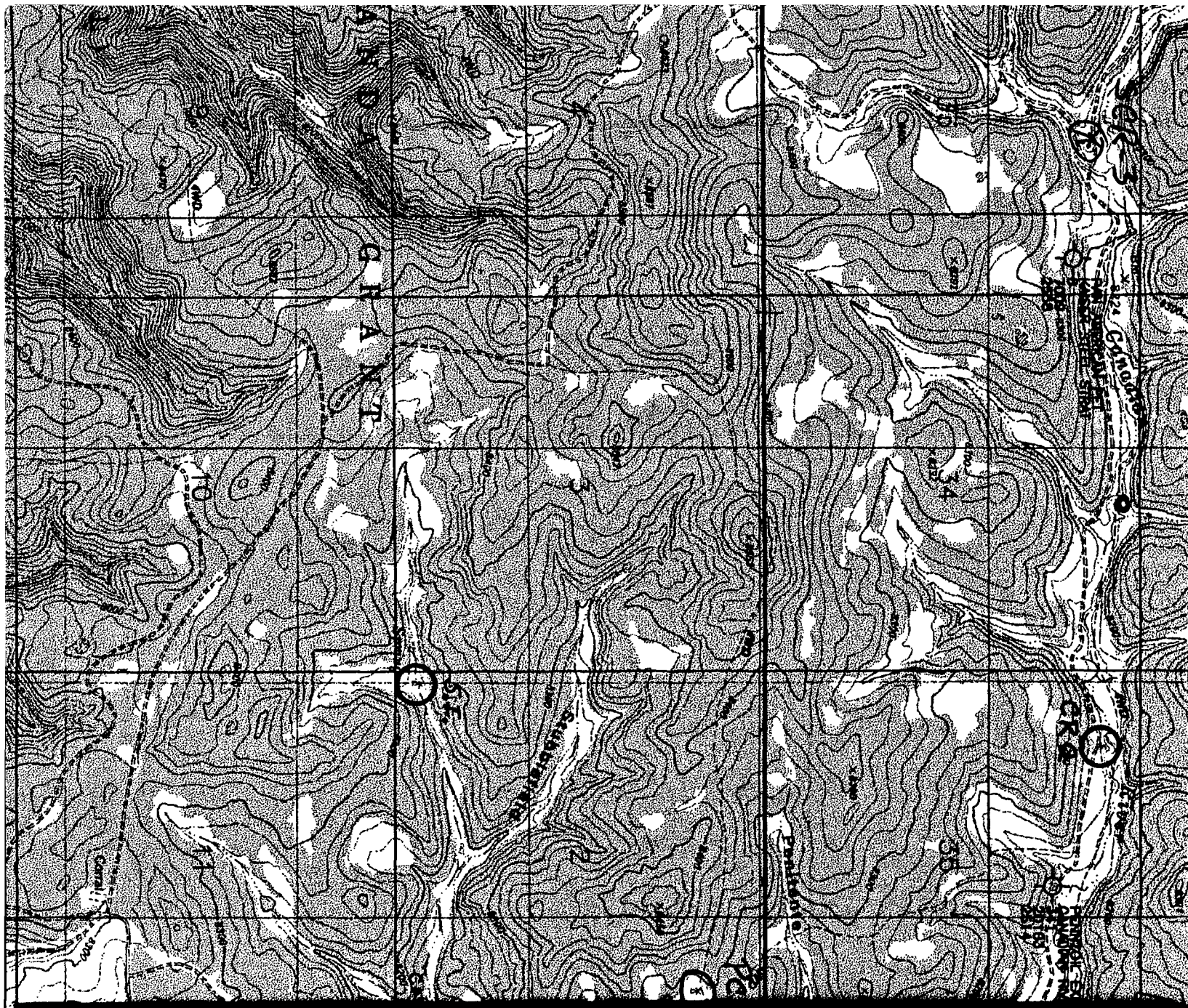
If you have any questions or comments, please do not hesitate to contact us at (505)344-3777.

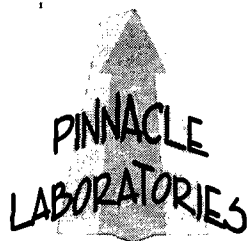
Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph. D.
General Manager

MR: mt

Enclosure

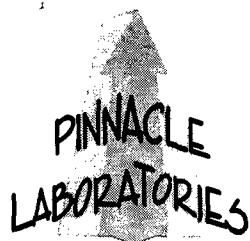




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CLIENT	: NMOCD	PINNACLE ID	: 906084
PROJECT #	: (none)	DATE RECEIVED	: 6/23/99
PROJECT NAME	: VERMEJO	REPORT DATE	: 7/16/99

PIN ID. #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	STAGECOACH PUMP	AQUEOUS	6/22/99
02	CR #1	AQUEOUS	6/22/99
03	CR #2	AQUEOUS	6/22/99
04	CR #4	AQUEOUS	6/22/99
05	PC #1	AQUEOUS	6/22/99
06	SC #1	AQUEOUS	6/22/99
07	SCR #2	AQUEOUS	6/22/99
08	SCR #3	AQUEOUS	6/22/99
09	TRIPBLANK	AQUEOUS	6/21/99



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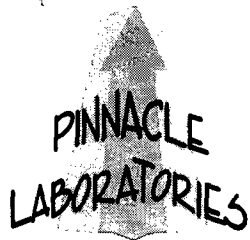
GENERAL CHEMISTRY RESULTS

CLIENT : NMOC D PINNACLE I.D. : 906084
PROJECT # : (none) DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

SAMPLE			DATE	DATE
ID. #	CLIENT I.D.	MATRIX	SAMPLED	ANALYZED
01	STAGECOACH PUMP	AQUEOUS	6/22/99	6/25/99
02	CR #1	AQUEOUS	6/22/99	6/25/99
03	CR #2	AQUEOUS	6/22/99	6/25/99

PARAMETER	UNITS	STAGECOACH PUMP	CR #1	CR #2
PH (150.1)	UNITS	7.80	7.50	8.13

CHEMIST NOTES:
N/A



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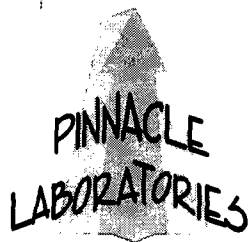
GENERAL CHEMISTRY RESULTS

CLIENT : NMOCD
PROJECT # : (none)
PROJECT NAME : VERMEJO

PINNACLE I.D. : 906084
DATE RECEIVED : 6/23/99

SAMPLE		DATE		DATE	
ID. #	CLIENT I.D.	MATRIX	SAMPLED	ANALYZED	
04	CR #4	AQUEOUS	6/22/99	6/25/99	
05	PC #1	AQUEOUS	6/22/99	6/25/99	
06	SC #1	AQUEOUS	6/22/99	6/25/99	
PARAMETER			UNITS	CR #4	PC #1
PH (150.1)			UNITS	8.70	7.59

CHEMIST NOTES:
N/A



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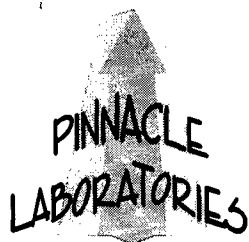
GENERAL CHEMISTRY RESULTS

CLIENT : NMOCD
PROJECT # : (none)
PROJECT NAME : VERMEJO

PINNACLE I.D. : 906084
DATE RECEIVED : 6/23/99

SAMPLE		DATE		DATE
ID. #	CLIENT I.D.	MATRIX	SAMPLED	ANALYZED
07	SCR #2	AQUEOUS	6/22/99	6/25/99
08	SCR #3	AQUEOUS	6/22/99	6/25/99
PARAMETER			UNITS	SCR #2
PH (150.1)			UNITS	8.43
				8.33

CHEMIST NOTES:
N/A



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GENERAL CHEMISTRY - QUALITY CONTROL

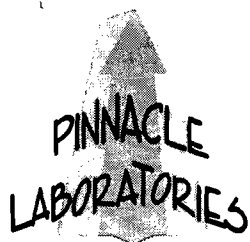
CLIENT : NMOCD PINNACLE I.D. : 906084
PROJECT # : (none) SAMPLE MATRIX : AQUEOUS
PROJECT NAME : VERMEJO

PARAMETER	UNITS	PINNACLE I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH	UNITS	906084-01	7.80	7.80	0

CHEMIST NOTES:
N/A

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

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



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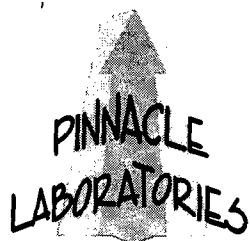
GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOC D PINNACLE I.D. : 906084
PROJECT # : NONE DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

SAMPLE	CLIENT ID	MATRIX	DATE	DATE	DATE	DIL.
ID #			SAMPLED	EXTRACTED	ANALYZED	FACTOR
906084-01	STAGECOACH PUMP	AQUEOUS	6/22/99	N/A	06/29/99	1

PARAMETER	DET. LIMIT	UNITS
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Dichlorodifluoromethane	1.0	< 1.0	ug/L
Chloromethane	1.0	< 1.0	ug/L
Vinyl Chloride	1.0	< 1.0	ug/L
Bromomethane	1.0	< 1.0	ug/L
Chloroethane	1.0	< 1.0	ug/L
Trichlorofluoromethane	1.0	< 1.0	ug/L
Acetone	10	< 10	ug/L
Acrolein	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Iodomethane	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
Acrylonitrile	5.0	< 5.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Methyl-t-butyl Ether	1.0	< 1.0	ug/L
1,1,2,1,2,2-Trichlorotrifluoroethane	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
2-Butanone	10	< 10	ug/L
Carbon Disulfide	1.0	< 1.0	ug/L
Bromochloromethane	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
2,2-Dichloropropane	1.0	< 1.0	ug/L
1,2-Dichloroethane	1.0	< 1.0	ug/L
Vinyl Acetate	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
1,1-Dichloropropene	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
Benzene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
1,3-Dichloropropane	1.0	< 1.0	ug/L
Dibromomethane	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
1,2-Dibromoethane	1.0	< 1.0	ug/L
4-Methyl-2-Pentanone	10	< 10	ug/L
2-Hexanone	10	< 10	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0	< 1.0	ug/L



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GC/MS RESULTS

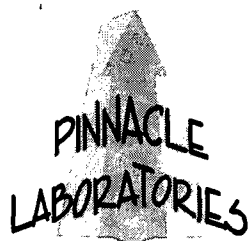
TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOC
PROJECT # : NONE
PROJECT NAME : VERMEJO
PINNACLE I.D. : 906084
DATE RECEIVED : 6/23/99

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
906084-01	STAGECOACH PUMP	AQUEOUS	6/22/99	N/A	06/29/99	1

PARAMETER	DET. LIMIT	UNITS
m&p Xylenes	1.0 < 1.0	ug/L
o-Xylene	1.0 < 1.0	ug/L
Styrene	1.0 < 1.0	ug/L
Bromoform	1.0 < 1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0 < 1.0	ug/L
1,2,3-Trichloropropane	1.0 < 1.0	ug/L
Isopropyl Benzene	1.0 < 1.0	ug/L
Bromobenzene	1.0 < 1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0 < 1.0	ug/L
n-Propylbenzene	1.0 < 1.0	ug/L
2-Chlorotoluene	1.0 < 1.0	ug/L
4-Chlorotoluene	1.0 < 1.0	ug/L
1,3,5-Trimethylbenzene	1.0 < 1.0	ug/L
tert-Butylbenzene	1.0 < 1.0	ug/L
1,2,4-Trimethylbenzene	1.0 < 1.0	ug/L
sec-Butylbenzene	1.0 < 1.0	ug/L
1,3-Dichlorobenzene	1.0 < 1.0	ug/L
1,4-Dichlorobenzene	1.0 < 1.0	ug/L
p-Isopropyltoluene	1.0 < 1.0	ug/L
1,2-Dichlorobenzene	1.0 < 1.0	ug/L
n-Butylbenzene	1.0 < 1.0	ug/L
1,2-Dibromomo-3-chloropropane	1.0 < 1.0	ug/L
1,2,4-Trichlorobenzene	1.0 < 1.0	ug/L
Naphthalene	1.0 < 1.0	ug/L
Hexachlorobutadiene	1.0 < 1.0	ug/L
1,2,3-Trichlorobenzene	1.0 < 1.0	ug/L

SURROGATE % RECOVERY

1,2-Dichloroethane-d4	104 (80 - 120)
Toluene-d8	100 (88 - 110)
Bromofluorobenzene	93 (86 - 115)



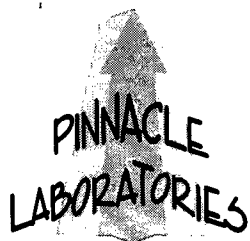
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GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOC D PINNACLE I.D. : 906084
PROJECT # : NONE DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

SAMPLE		DATE		DATE		DATE		DIL.	
ID #	CLIENT ID	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR			
906084-02	CR #1	AQUEOUS	6/22/99	N/A	06/29/99	1			
PARAMETER		DET. LIMIT		UNITS					

Dichlorodifluoromethane	1.0	< 1.0	ug/L
Chloromethane	1.0	< 1.0	ug/L
Vinyl Chloride	1.0	< 1.0	ug/L
Bromomethane	1.0	< 1.0	ug/L
Chloroethane	1.0	< 1.0	ug/L
Trichlorofluoromethane	1.0	< 1.0	ug/L
Acetone	10	< 10	ug/L
Acrolein	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Iodomethane	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
Acrylonitrile	5.0	< 5.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Methyl-t-butyl Ether	1.0	< 1.0	ug/L
1,1,2,1,2,2-Trichlorotrifluoroethane	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
2-Butanone	10	< 10	ug/L
Carbon Disulfide	1.0	< 1.0	ug/L
Bromochloromethane	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
2,2-Dichloropropane	1.0	< 1.0	ug/L
1,2-Dichloroethane	1.0	< 1.0	ug/L
Vinyl Acetate	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
1,1-Dichloropropene	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
Benzene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
1,3-Dichloropropane	1.0	< 1.0	ug/L
Dibromomethane	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
1,2-Dibromoethane	1.0	< 1.0	ug/L
4-Methyl-2-Pentanone	10	< 10	ug/L
2-Hexanone	10	< 10	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0	< 1.0	ug/L



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GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOC D PINNACLE I.D. : 906084
PROJECT # : NONE DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

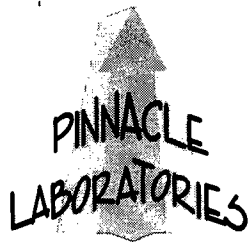
SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
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906084-02	CR #1	AQUEOUS	6/22/99	N/A	06/29/99	1
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PARAMETER	DET. LIMIT	UNITS
m&p Xylenes	1.0 < 1.0	ug/L
o-Xylene	1.0 < 1.0	ug/L
Styrene	1.0 < 1.0	ug/L
Bromoform	1.0 < 1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0 < 1.0	ug/L
1,2,3-Trichloropropane	1.0 < 1.0	ug/L
Isopropyl Benzene	1.0 < 1.0	ug/L
Bromobenzene	1.0 < 1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0 < 1.0	ug/L
n-Propylbenzene	1.0 < 1.0	ug/L
2-Chlorotoluene	1.0 < 1.0	ug/L
4-Chlorotoluene	1.0 < 1.0	ug/L
1,3,5-Trimethylbenzene	1.0 < 1.0	ug/L
tert-Butylbenzene	1.0 < 1.0	ug/L
1,2,4-Trimethylbenzene	1.0 < 1.0	ug/L
sec-Butylbenzene	1.0 < 1.0	ug/L
1,3-Dichlorobenzene	1.0 < 1.0	ug/L
1,4-Dichlorobenzene	1.0 < 1.0	ug/L
p-Isopropyltoluene	1.0 < 1.0	ug/L
1,2-Dichlorobenzene	1.0 < 1.0	ug/L
n-Butylbenzene	1.0 < 1.0	ug/L
1,2-Dibromomo-3-chloropropane	1.0 < 1.0	ug/L
1,2,4-Trichlorobenzene	1.0 < 1.0	ug/L
Naphthalene	1.0 < 1.0	ug/L
Hexachlorobutadiene	1.0 < 1.0	ug/L
1,2,3-Trichlorobenzene	1.0 < 1.0	ug/L

SURROGATE % RECOVERY

1,2-Dichloroethane-d4	104 (80 - 120)
Toluene-d8	100 (88 - 110)
Bromofluorobenzene	93 (86 - 115)



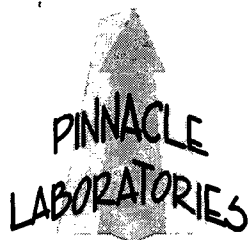
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Fax (505) 344-4413

GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOCD PINNACLE I.D. : 906084
PROJECT # : NONE DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
906084-03	CR #2	AQUEOUS	6/22/99	N/A	06/29/99	1
PARAMETER	DET. LIMIT	UNITS				

Dichlorodifluoromethane	1.0	< 1.0	ug/L
Chloromethane	1.0	< 1.0	ug/L
Vinyl Chloride	1.0	< 1.0	ug/L
Bromomethane	1.0	< 1.0	ug/L
Chloroethane	1.0	< 1.0	ug/L
Trichlorofluoromethane	1.0	< 1.0	ug/L
Acetone	10	< 10	ug/L
Acrolein	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Iodomethane	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
Acrylonitrile	5.0	< 5.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Methyl-t-butyl Ether	1.0	< 1.0	ug/L
1,1,2,1,2,2-Trichlorotrifluoroethane	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
2-Butanone	10	< 10	ug/L
Carbon Disulfide	1.0	< 1.0	ug/L
Bromochloromethane	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
2,2-Dichloropropane	1.0	< 1.0	ug/L
1,2-Dichloroethane	1.0	< 1.0	ug/L
Vinyl Acetate	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
1,1-Dichloropropene	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
Benzene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
1,3-Dichloropropane	1.0	< 1.0	ug/L
Dibromomethane	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
1,2-Dibromoethane	1.0	< 1.0	ug/L
4-Methyl-2-Pentanone	10	< 10	ug/L
2-Hexanone	10	< 10	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0	< 1.0	ug/L



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GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOC D PINNACLE I.D. : 906084
PROJECT # : NONE DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
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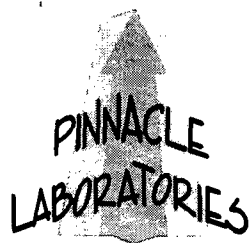
906084-03	CR #2	AQUEOUS	6/22/99	N/A	06/29/99	1
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PARAMETER	DET. LIMIT	UNITS
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m&p Xylenes	1.0	< 1.0 ug/L
o-Xylene	1.0	< 1.0 ug/L
Styrene	1.0	< 1.0 ug/L
Bromoform	1.0	< 1.0 ug/L
1,1,2,2-Tetrachloroethane	1.0	< 1.0 ug/L
1,2,3-Trichloropropane	1.0	< 1.0 ug/L
Isopropyl Benzene	1.0	< 1.0 ug/L
Bromobenzene	1.0	< 1.0 ug/L
trans-1,4-Dichloro-2-Butene	1.0	< 1.0 ug/L
n-Propylbenzene	1.0	< 1.0 ug/L
2-Chlorotoluene	1.0	< 1.0 ug/L
4-Chlorotoluene	1.0	< 1.0 ug/L
1,3,5-Trimethylbenzene	1.0	< 1.0 ug/L
tert-Butylbenzene	1.0	< 1.0 ug/L
1,2,4-Trimethylbenzene	1.0	< 1.0 ug/L
sec-Butylbenzene	1.0	< 1.0 ug/L
1,3-Dichlorobenzene	1.0	< 1.0 ug/L
1,4-Dichlorobenzene	1.0	< 1.0 ug/L
p-Isopropyltoluene	1.0	< 1.0 ug/L
1,2-Dichlorobenzene	1.0	< 1.0 ug/L
n-Butylbenzene	1.0	< 1.0 ug/L
1,2-Dibromomono-3-chloropropane	1.0	< 1.0 ug/L
1,2,4-Trichlorobenzene	1.0	< 1.0 ug/L
Naphthalene	1.0	< 1.0 ug/L
Hexachlorobutadiene	1.0	< 1.0 ug/L
1,2,3-Trichlorobenzene	1.0	< 1.0 ug/L

SURROGATE % RECOVERY

1,2-Dichloroethane-d4	110 (80 - 120)
Toluene-d8	105 (88 - 110)
Bromofluorobenzene	100 (86 - 115)



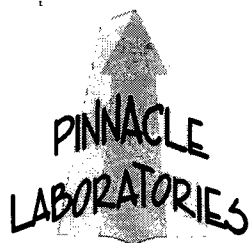
2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOCD PINNACLE I.D. : 906084
PROJECT # : NONE DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

SAMPLE			DATE	DATE	DATE	DIL.
ID #	CLIENT ID	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
906084-04	CR #4	AQUEOUS	6/22/99	N/A	06/29/99	1
PARAMETER	DET. LIMIT	UNITS				

Dichlorodifluoromethane	1.0	< 1.0	ug/L
Chloromethane	1.0	< 1.0	ug/L
Vinyl Chloride	1.0	< 1.0	ug/L
Bromomethane	1.0	< 1.0	ug/L
Chloroethane	1.0	< 1.0	ug/L
Trichlorofluoromethane	1.0	< 1.0	ug/L
Acetone	10	< 10	ug/L
Acrolein	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Iodomethane	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
Acrylonitrile	5.0	< 5.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Methyl-t-butyl Ether	1.0	< 1.0	ug/L
1,1,2,1,2,2-Trichlorotrifluoroethane	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
2-Butanone	10	< 10	ug/L
Carbon Disulfide	1.0	< 1.0	ug/L
Bromochloromethane	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
2,2-Dichloropropane	1.0	< 1.0	ug/L
1,2-Dichloroethane	1.0	< 1.0	ug/L
Vinyl Acetate	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
1,1-Dichloropropene	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
Benzene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
1,3-Dichloropropane	1.0	< 1.0	ug/L
Dibromomethane	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
1,2-Dibromoethane	1.0	< 1.0	ug/L
4-Methyl-2-Pentanone	10	< 10	ug/L
2-Hexanone	10	< 10	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0	< 1.0	ug/L



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GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOCD PINNACLE I.D. : 906084
PROJECT # : NONE DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

SAMPLE	DATE	DATE	DATE	DIL.		
ID #	CLIENT ID	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR

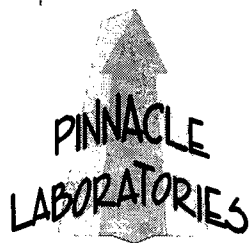
906084-04	CR #4	AQUEOUS	6/22/99	N/A	06/29/99	1
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PARAMETER	DET. LIMIT	UNITS
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m&p Xylenes	1.0	< 1.0 ug/L
o-Xylene	1.0	< 1.0 ug/L
Styrene	1.0	< 1.0 ug/L
Bromoform	1.0	< 1.0 ug/L
1,1,2,2-Tetrachloroethane	1.0	< 1.0 ug/L
1,2,3-Trichloropropane	1.0	< 1.0 ug/L
Isopropyl Benzene	1.0	< 1.0 ug/L
Bromobenzene	1.0	< 1.0 ug/L
trans-1,4-Dichloro-2-Butene	1.0	< 1.0 ug/L
n-Propylbenzene	1.0	< 1.0 ug/L
2-Chlorotoluene	1.0	< 1.0 ug/L
4-Chlorotoluene	1.0	< 1.0 ug/L
1,3,5-Trimethylbenzene	1.0	< 1.0 ug/L
tert-Butylbenzene	1.0	< 1.0 ug/L
1,2,4-Trimethylbenzene	1.0	< 1.0 ug/L
sec-Butylbenzene	1.0	< 1.0 ug/L
1,3-Dichlorobenzene	1.0	< 1.0 ug/L
1,4-Dichlorobenzene	1.0	< 1.0 ug/L
p-Isopropyltoluene	1.0	< 1.0 ug/L
1,2-Dichlorobenzene	1.0	< 1.0 ug/L
n-Butylbenzene	1.0	< 1.0 ug/L
1,2-Dibromomo-3-chloropropane	1.0	< 1.0 ug/L
1,2,4-Trichlorobenzene	1.0	< 1.0 ug/L
Naphthalene	1.0	< 1.0 ug/L
Hexachlorobutadiene	1.0	< 1.0 ug/L
1,2,3-Trichlorobenzene	1.0	< 1.0 ug/L

SURROGATE % RECOVERY

1,2-Dichloroethane-d4	108 (80 - 120)
Toluene-d8	107 (88 - 110)
Bromofluorobenzene	99 (86 - 115)



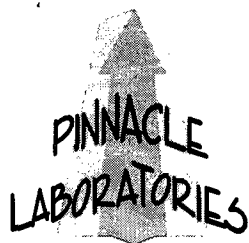
2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOC D Pinnacle I.D. : 906084
PROJECT # : NONE DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

SAMPLE	DATE	DATE	DATE	DIL.
ID #	SAMPLED	EXTRACTED	ANALYZED	FACTOR
906084-05	6/22/99	N/A	06/29/99	1
PARAMETER	DET. LIMIT	UNITS		

Dichlorodifluoromethane	1.0	< 1.0	ug/L
Chloromethane	1.0	< 1.0	ug/L
Vinyl Chloride	1.0	< 1.0	ug/L
Bromomethane	1.0	< 1.0	ug/L
Chloroethane	1.0	< 1.0	ug/L
Trichlorofluoromethane	1.0	< 1.0	ug/L
Acetone	10	< 10	ug/L
Acrolein	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Iodomethane	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
Acrylonitrile	5.0	< 5.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Methyl-t-butyl Ether	1.0	< 1.0	ug/L
1,1,2,1,2,2-Trichlorotrifluoroethane	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
2-Butanone	10	< 10	ug/L
Carbon Disulfide	1.0	< 1.0	ug/L
Bromochloromethane	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
2,2-Dichloropropane	1.0	< 1.0	ug/L
1,2-Dichloroethane	1.0	< 1.0	ug/L
Vinyl Acetate	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
1,1-Dichloropropene	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
Benzene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
1,3-Dichloropropane	1.0	< 1.0	ug/L
Dibromomethane	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
1,2-Dibromoethane	1.0	< 1.0	ug/L
4-Methyl-2-Pentanone	10	< 10	ug/L
2-Hexanone	10	< 10	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0	< 1.0	ug/L



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GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOC
PROJECT # : NONE
PROJECT NAME : VERMEJO

PINNACLE I.D. : 906084
DATE RECEIVED : 6/23/99

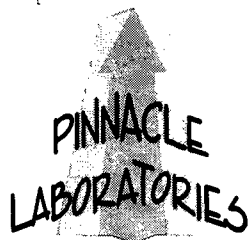
SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
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906084-05	PC #1	AQUEOUS	6/22/99	N/A	06/29/99	1
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PARAMETER	DET. LIMIT		UNITS
m&p Xylenes	1.0	< 1.0	ug/L
o-Xylene	1.0	< 1.0	ug/L
Styrene	1.0	< 1.0	ug/L
Bromoform	1.0	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0	< 1.0	ug/L
1,2,3-Trichloropropane	1.0	< 1.0	ug/L
Isopropyl Benzene	1.0	< 1.0	ug/L
Bromobenzene	1.0	< 1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0	< 1.0	ug/L
n-Propylbenzene	1.0	< 1.0	ug/L
2-Chlorotoluene	1.0	< 1.0	ug/L
4-Chlorotoluene	1.0	< 1.0	ug/L
1,3,5-Trimethylbenzene	1.0	< 1.0	ug/L
tert-Butylbenzene	1.0	< 1.0	ug/L
1,2,4-Trimethylbenzene	1.0	< 1.0	ug/L
sec-Butylbenzene	1.0	< 1.0	ug/L
1,3-Dichlorobenzene	1.0	< 1.0	ug/L
1,4-Dichlorobenzene	1.0	< 1.0	ug/L
p-Isopropyltoluene	1.0	< 1.0	ug/L
1,2-Dichlorobenzene	1.0	< 1.0	ug/L
n-Butylbenzene	1.0	< 1.0	ug/L
1,2-Dibromomo-3-chloropropane	1.0	< 1.0	ug/L
1,2,4-Trichlorobenzene	1.0	< 1.0	ug/L
Naphthalene	1.0	< 1.0	ug/L
Hexachlorobutadiene	1.0	< 1.0	ug/L
1,2,3-Trichlorobenzene	1.0	< 1.0	ug/L

SURROGATE % RECOVERY

1,2-Dichloroethane-d4	103 (80 - 120)
Toluene-d8	103 (88 - 110)
Bromofluorobenzene	93 (86 - 115)



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GC/MS RESULTS

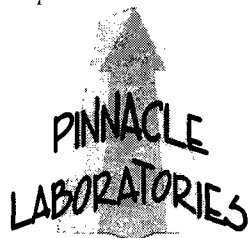
TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOC D PINNACLE I.D. : 906084
PROJECT # : NONE DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
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906084-06	SC #1	AQUEOUS	6/22/99	N/A	06/29/99	1
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PARAMETER	DET. LIMIT	UNITS
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Dichlorodifluoromethane	1.0	< 1.0	ug/L
Chloromethane	1.0	< 1.0	ug/L
Vinyl Chloride	1.0	< 1.0	ug/L
Bromomethane	1.0	< 1.0	ug/L
Chloroethane	1.0	< 1.0	ug/L
Trichlorofluoromethane	1.0	< 1.0	ug/L
Acetone	10	< 10	ug/L
Acrolein	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Iodomethane	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
Acrylonitrile	5.0	< 5.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Methyl-t-butyl Ether	1.0	< 1.0	ug/L
1,1,2,1,2,2-Trichlorotrifluoroethane	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
2-Butanone	10	< 10	ug/L
Carbon Disulfide	1.0	< 1.0	ug/L
Bromochloromethane	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
2,2-Dichloropropane	1.0	< 1.0	ug/L
1,2-Dichloroethane	1.0	< 1.0	ug/L
Vinyl Acetate	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
1,1-Dichloropropene	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
Benzene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
1,3-Dichloropropane	1.0	< 1.0	ug/L
Dibromomethane	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
1,2-Dibromoethane	1.0	< 1.0	ug/L
4-Methyl-2-Pentanone	10	< 10	ug/L
2-Hexanone	10	< 10	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0	< 1.0	ug/L



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GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOC D PINNACLE I.D. : 906084
PROJECT # : NONE DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

SAMPLE	DATE	DATE	DATE	DIL.		
ID #	CLIENT ID	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR

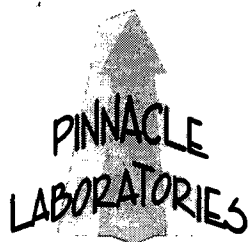
906084-06	SC #1	AQUEOUS	6/22/99	N/A	06/29/99	1
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PARAMETER	DET. LIMIT	UNITS
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m&p Xylenes	1.0	< 1.0	ug/L
o-Xylene	1.0	< 1.0	ug/L
Styrene	1.0	< 1.0	ug/L
Bromoform	1.0	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0	< 1.0	ug/L
1,2,3-Trichloropropane	1.0	< 1.0	ug/L
Isopropyl Benzene	1.0	< 1.0	ug/L
Bromobenzene	1.0	< 1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0	< 1.0	ug/L
n-Propylbenzene	1.0	< 1.0	ug/L
2-Chlorotoluene	1.0	< 1.0	ug/L
4-Chlorotoluene	1.0	< 1.0	ug/L
1,3,5-Trimethylbenzene	1.0	< 1.0	ug/L
tert-Butylbenzene	1.0	< 1.0	ug/L
1,2,4-Trimethylbenzene	1.0	< 1.0	ug/L
sec-Butylbenzene	1.0	< 1.0	ug/L
1,3-Dichlorobenzene	1.0	< 1.0	ug/L
1,4-Dichlorobenzene	1.0	< 1.0	ug/L
p-Isopropyltoluene	1.0	< 1.0	ug/L
1,2-Dichlorobenzene	1.0	< 1.0	ug/L
n-Butylbenzene	1.0	< 1.0	ug/L
1,2-Dibromomo-3-chloropropane	1.0	< 1.0	ug/L
1,2,4-Trichlorobenzene	1.0	< 1.0	ug/L
Naphthalene	1.0	< 1.0	ug/L
Hexachlorobutadiene	1.0	< 1.0	ug/L
1,2,3-Trichlorobenzene	1.0	< 1.0	ug/L

SURROGATE % RECOVERY

1,2-Dichloroethane-d4	104
	(80 - 120)
Toluene-d8	102
	(88 - 110)
Bromofluorobenzene	94
	(86 - 115)



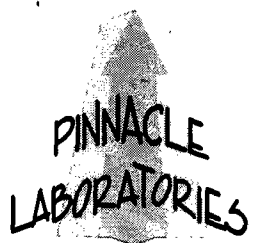
2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOCD PINNACLE I.D. : 906084
PROJECT # : NONE DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

SAMPLE	DATE	DATE	DATE	DIL.
ID #	SAMPLED	EXTRACTED	ANALYZED	FACTOR
906084-09	6/21/99	N/A	06/30/99	1
PARAMETER	DET. LIMIT	UNITS		

Dichlorodifluoromethane	1.0	< 1.0	ug/L
Chloromethane	1.0	< 1.0	ug/L
Vinyl Chloride	1.0	< 1.0	ug/L
Bromomethane	1.0	< 1.0	ug/L
Chloroethane	1.0	< 1.0	ug/L
Trichlorofluoromethane	1.0	< 1.0	ug/L
Acetone	10	< 10	ug/L
Acrolein	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Iodomethane	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
Acrylonitrile	5.0	< 5.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Methyl-t-butyl Ether	1.0	< 1.0	ug/L
1,1,2,1,2,2-Trichlorotrifluoroethane	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
2-Butanone	10	< 10	ug/L
Carbon Disulfide	1.0	< 1.0	ug/L
Bromochloromethane	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
2,2-Dichloropropane	1.0	< 1.0	ug/L
1,2-Dichloroethane	1.0	< 1.0	ug/L
Vinyl Acetate	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
1,1-Dichloropropene	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
Benzene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
1,3-Dichloropropane	1.0	< 1.0	ug/L
Dibromomethane	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
1,2-Dibromoethane	1.0	< 1.0	ug/L
4-Methyl-2-Pentanone	10	< 10	ug/L
2-Hexanone	10	< 10	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0	< 1.0	ug/L



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GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOCD PINNACLE I.D. : 906084
PROJECT # : NONE DATE RECEIVED : 6/23/99
PROJECT NAME : VERMEJO

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
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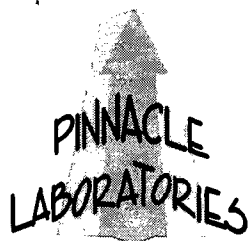
906084-09	TRIP BLANK	AQUEOUS	6/21/99	N/A	06/30/99	1
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PARAMETER	DET. LIMIT	UNITS
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m&p Xylenes	1.0	< 1.0 ug/L
o-Xylene	1.0	< 1.0 ug/L
Styrene	1.0	< 1.0 ug/L
Bromoform	1.0	< 1.0 ug/L
1,1,2,2-Tetrachloroethane	1.0	< 1.0 ug/L
1,2,3-Trichloropropane	1.0	< 1.0 ug/L
Isopropyl Benzene	1.0	< 1.0 ug/L
Bromobenzene	1.0	< 1.0 ug/L
trans-1,4-Dichloro-2-Butene	1.0	< 1.0 ug/L
n-Propylbenzene	1.0	< 1.0 ug/L
2-Chlorotoluene	1.0	< 1.0 ug/L
4-Chlorotoluene	1.0	< 1.0 ug/L
1,3,5-Trimethylbenzene	1.0	< 1.0 ug/L
tert-Butylbenzene	1.0	< 1.0 ug/L
1,2,4-Trimethylbenzene	1.0	< 1.0 ug/L
sec-Butylbenzene	1.0	< 1.0 ug/L
1,3-Dichlorobenzene	1.0	< 1.0 ug/L
1,4-Dichlorobenzene	1.0	< 1.0 ug/L
p-Isopropyltoluene	1.0	< 1.0 ug/L
1,2-Dichlorobenzene	1.0	< 1.0 ug/L
n-Butylbenzene	1.0	< 1.0 ug/L
1,2-Dibromomo-3-chloropropane	1.0	< 1.0 ug/L
1,2,4-Trichlorobenzene	1.0	< 1.0 ug/L
Naphthalene	1.0	< 1.0 ug/L
Hexachlorobutadiene	1.0	< 1.0 ug/L
1,2,3-Trichlorobenzene	1.0	< 1.0 ug/L

SURROGATE % RECOVERY

1,2-Dichloroethane-d4	99 (80 - 120)
Toluene-d8	99 (88 - 110)
Bromofluorobenzene	95 (86 - 115)



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GC/MS RESULTS

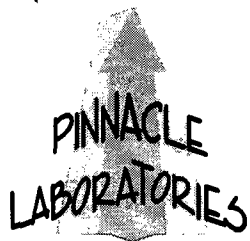
TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOCD PINNACLE I.D. : 906084
PROJECT # : NONE
PROJECT NAME : VERMEJO

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
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REAGENT BLANK	062999	AQUEOUS	N/A	06/29/99	1
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PARAMETER	DET. LIMIT	UNITS
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Dichlorodifluoromethane	1.0	< 1.0 ug/L
Chloromethane	1.0	< 1.0 ug/L
Vinyl Chloride	1.0	< 1.0 ug/L
Bromomethane	1.0	< 1.0 ug/L
Chloroethane	1.0	< 1.0 ug/L
Trichlorofluoromethane	1.0	< 1.0 ug/L
Acetone	10	< 10 ug/L
Acrolein	5.0	< 5.0 ug/L
1,1-Dichloroethene	1.0	< 1.0 ug/L
Iodomethane	1.0	< 1.0 ug/L
Methylene Chloride	1.0	< 1.0 ug/L
Acrylonitrile	5.0	< 5.0 ug/L
cis-1,2-Dichloroethene	1.0	< 1.0 ug/L
Methyl-t-butyl Ether	1.0	< 1.0 ug/L
1,1,2,1,2,2-Trichlorotrifluoroethane	1.0	< 1.0 ug/L
1,1-Dichloroethane	1.0	< 1.0 ug/L
trans-1,2-Dichloroethene	1.0	< 1.0 ug/L
2-Butanone	10	< 10 ug/L
Carbon Disulfide	1.0	< 1.0 ug/L
Bromochloromethane	1.0	< 1.0 ug/L
Chloroform	1.0	< 1.0 ug/L
2,2-Dichloropropane	1.0	< 1.0 ug/L
1,2-Dichloroethane	1.0	< 1.0 ug/L
Vinyl Acetate	1.0	< 1.0 ug/L
1,1,1-Trichloroethane	1.0	< 1.0 ug/L
1,1-Dichloropropene	1.0	< 1.0 ug/L
Carbon Tetrachloride	1.0	< 1.0 ug/L
Benzene	1.0	< 1.0 ug/L
1,2-Dichloropropane	1.0	< 1.0 ug/L
Trichloroethene	1.0	< 1.0 ug/L
Bromodichloromethane	1.0	< 1.0 ug/L
2-Chloroethyl Vinyl Ether	10	< 10 ug/L
cis-1,3-Dichloropropene	1.0	< 1.0 ug/L
trans-1,3-Dichloropropene	1.0	< 1.0 ug/L
1,1,2-Trichloroethane	1.0	< 1.0 ug/L
1,3-Dichloropropane	1.0	< 1.0 ug/L
Dibromomethane	1.0	< 1.0 ug/L
Toluene	1.0	< 1.0 ug/L
1,2-Dibromoethane	1.0	< 1.0 ug/L
4-Methyl-2-Pentanone	10	< 10 ug/L
2-Hexanone	10	< 10 ug/L
Dibromochloromethane	1.0	< 1.0 ug/L
Tetrachloroethene	1.0	< 1.0 ug/L
Chlorobenzene	1.0	< 1.0 ug/L
Ethylbenzene	1.0	< 1.0 ug/L
1,1,1,2-Tetrachloroethane	1.0	< 1.0 ug/L



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GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOCD PINNACLE I.D. : 906084
PROJECT # : NONE
PROJECT NAME : VERMEJO

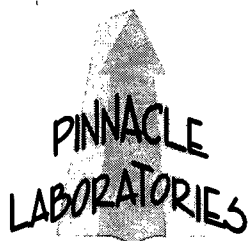
SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
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REAGENT BLANK	062999	AQUEOUS	N/A	06/29/99	1
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PARAMETER	DET. LIMIT	UNITS
m&p Xylenes	1.0 < 1.0	ug/L
o-Xylene	1.0 < 1.0	ug/L
Styrene	1.0 < 1.0	ug/L
Bromoform	1.0 < 1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0 < 1.0	ug/L
1,2,3-Trichloropropane	1.0 < 1.0	ug/L
Isopropyl Benzene	1.0 < 1.0	ug/L
Bromobenzene	1.0 < 1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0 < 1.0	ug/L
n-Propylbenzene	1.0 < 1.0	ug/L
2-Chlorotoluene	1.0 < 1.0	ug/L
4-Chlorotoluene	1.0 < 1.0	ug/L
1,3,5-Trimethylbenzene	1.0 < 1.0	ug/L
tert-Butylbenzene	1.0 < 1.0	ug/L
1,2,4-Trimethylbenzene	1.0 < 1.0	ug/L
sec-Butylbenzene	1.0 < 1.0	ug/L
1,3-Dichlorobenzene	1.0 < 1.0	ug/L
1,4-Dichlorobenzene	1.0 < 1.0	ug/L
p-Isopropyltoluene	1.0 < 1.0	ug/L
1,2-Dichlorobenzene	1.0 < 1.0	ug/L
n-Butylbenzene	1.0 < 1.0	ug/L
1,2-Dibromomo-3-chloropropane	1.0 < 1.0	ug/L
1,2,4-Trichlorobenzene	1.0 < 1.0	ug/L
Naphthalene	1.0 < 1.0	ug/L
Hexachlorobutadiene	1.0 < 1.0	ug/L
1,2,3-Trichlorobenzene	1.0 < 1.0	ug/L

SURROGATE % RECOVERY

1,2-Dichloroethane-d4	93 (80 - 120)
Toluene-d8	102 (88 - 110)
Bromofluorobenzene	104 (86 - 115)



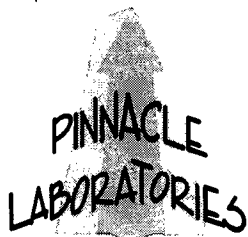
2709-D Pan American Freeway NE
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GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOC D PINNACLE I.D. : 906084
PROJECT # : NONE
PROJECT NAME : VERMEJO

PROJECT NAME		VERSION			
SAMPLE			DATE	DATE	DIL.
ID #	BATCH	MATRIX	EXTRACTED	ANALYZED	FACTOR
REAGENT BLANK	063099	AQUEOUS	N/A	06/30/99	1
PARAMETER	DET. LIMIT	UNITS			

Dichlorodifluoromethane	1.0	< 1.0	ug/L
Chloromethane	1.0	< 1.0	ug/L
Vinyl Chloride	1.0	< 1.0	ug/L
Bromomethane	1.0	< 1.0	ug/L
Chloroethane	1.0	< 1.0	ug/L
Trichlorofluoromethane	1.0	< 1.0	ug/L
Acetone	10	< 10	ug/L
Acrolein	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Iodomethane	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
Acrylonitrile	5.0	< 5.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Methyl-t-butyl Ether	1.0	< 1.0	ug/L
1,1,2,1,2,2-Trichlorotrifluoroethane	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
2-Butanone	10	< 10	ug/L
Carbon Disulfide	1.0	< 1.0	ug/L
Bromochloromethane	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
2,2-Dichloropropane	1.0	< 1.0	ug/L
1,2-Dichloroethane	1.0	< 1.0	ug/L
Vinyl Acetate	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
1,1-Dichloropropene	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
Benzene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
1,3-Dichloropropane	1.0	< 1.0	ug/L
Dibromomethane	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
1,2-Dibromoethane	1.0	< 1.0	ug/L
4-Methyl-2-Pentanone	10	< 10	ug/L
2-Hexanone	10	< 10	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0	< 1.0	ug/L



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GC/MS RESULTS

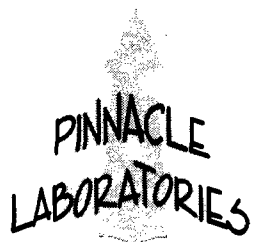
TEST : VOLATILE ORGANICS EPA METHOD 8260
CLIENT : NMOCD PINNACLE I.D. : 906084
PROJECT # : NONE
PROJECT NAME : VERMEJO

SAMPLE	DATE	DATE	DIL.		
ID #	BATCH	MATRIX	EXTRACTED	ANALYZED	FACTOR
REAGENT BLANK	063099	AQUEOUS	N/A	06/30/99	1

PARAMETER	DET. LIMIT	UNITS
m&p Xylenes	1.0 < 1.0	ug/L
o-Xylene	1.0 < 1.0	ug/L
Styrene	1.0 < 1.0	ug/L
Bromoform	1.0 < 1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0 < 1.0	ug/L
1,2,3-Trichloropropane	1.0 < 1.0	ug/L
Isopropyl Benzene	1.0 < 1.0	ug/L
Bromobenzene	1.0 < 1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0 < 1.0	ug/L
n-Propylbenzene	1.0 < 1.0	ug/L
2-Chlorotoluene	1.0 < 1.0	ug/L
4-Chlorotoluene	1.0 < 1.0	ug/L
1,3,5-Trimethylbenzene	1.0 < 1.0	ug/L
tert-Butylbenzene	1.0 < 1.0	ug/L
1,2,4-Trimethylbenzene	1.0 < 1.0	ug/L
sec-Butylbenzene	1.0 < 1.0	ug/L
1,3-Dichlorobenzene	1.0 < 1.0	ug/L
1,4-Dichlorobenzene	1.0 < 1.0	ug/L
p-Isopropyltoluene	1.0 < 1.0	ug/L
1,2-Dichlorobenzene	1.0 < 1.0	ug/L
n-Butylbenzene	1.0 < 1.0	ug/L
1,2-Dibromomo-3-chloropropane	1.0 < 1.0	ug/L
1,2,4-Trichlorobenzene	1.0 < 1.0	ug/L
Naphthalene	1.0 < 1.0	ug/L
Hexachlorobutadiene	1.0 < 1.0	ug/L
1,2,3-Trichlorobenzene	1.0 < 1.0	ug/L

SURROGATE % RECOVERY

1,2-Dichloroethane-d4	96 (80 - 120)
Toluene-d8	104 (88 - 110)
Bromofluorobenzene	105 (86 - 115)



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MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260	PINNACLE I.D.	: 906084
SPIKED SAMPLE	: 906084-05	DATE ANALYZED	: 6/30/99
CLIENT	: NMOCD	UNITS	: ug/L (PPB)
PROJECT #	: NONE		
PROJECT NAME	: VERMEJO		

COMPOUND	SAMPLE CONC.	SPIKE ADDED	MS RESULT	MSD RESULT	MS %REC	MSD %REC	RPD	QC LIMITS RPD	QC LIMITS %RECOVERY
1,1-DICHLOROETHENE	<1.0	50.0	43.0	44.6	86	89	4	14	61-145
BENZENE	<1.0	50.0	50.9	50.6	102	101	1	11	76-127
TRICHLOROETHENE	<1.0	50.0	49.1	47.8	98	96	3	14	71-120
TOLUENE	<1.0	50.0	49.4	48.9	99	98	1	13	76-125
CHLOROBENZENE	<1.0	50.0	50.8	48.6	102	97	4	13	75-130



BARRINGER LABORATORIES, INC.

15000 W. 6TH AVE., SUITE 300 GOLDEN, CO 80401 (303) 277-1687 FAX (303) 277-1689

9-Jul-99

Kimberly D. McNeill
PINNACLE LABORATORIES INC.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107

Attn:
Project: 906084

Received: 24-Jun-99 09:45
PO #: 906084

Job: 992406E

Status: Final

ANALYTICAL REPORT PACKAGE

CASE NARRATIVE.....i
ANALYTICAL RESULTS.....R-1
QUALITY CONTROL REPORT.....Q-1



Kimberly D. McNeill
PINNACLE LABORATORIES INC.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107

9-Jul-99
Page: i

Attn:
Project: 906084

Received: 24-Jun-99 09:45
PO #: 906084

Job: 992406E

Status: Final

CASE NARRATIVE

A total of 8 Water samples were received on 24-Jun-99. As stated in the chain of custody, the samples were run for the following analyses: Al, Sb, As, Ba, Be, B, Cd, Cu, Cr, Co, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Si, Ag, Na, Tl, V, Zn, Hg, and Ca. A table, to cross reference your sample ID to ours, is attached. Our procedures are summarized on the Quality Control Data Sheet.

Quality control standards for organic and inorganic analyses followed the appropriate SW-846 or EPA methodology. Quality control standards for radiochemistry followed our standard operating procedures or contractual requirements.

Signed:

[Signature] 7/13/99
Inorganic
Laboratory

Signed:

[Signature] 7/13/99
Project Review



Kimberly D. McNeill
PINNACLE LABORATORIES INC.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107

9-Jul-99
Page: ii

Attn:
Project: 906084

Received: 24-Jun-99 09:45
PO #: 906084

Job: 992406E Status: Final

Lab-ID	Matrix	Client Sample ID	Sampled
992406-1	Water	906084-01	22-Jun-99
992406-2	Water	906084-02	22-Jun-99
992406-3	Water	906084-03	22-Jun-99
992406-4	Water	906084-04	22-Jun-99
992406-5	Water	906084-05	22-Jun-99
992406-6	Water	906084-06	22-Jun-99
992406-7	Water	906084-07	22-Jun-99
992406-8	Water	906084-08	22-Jun-99

PINNACLE LABORATORIES INC.

Sample Id: 906084-01
Lab Id: 992406-1
Date Sampled: 22-Jun-99

Project: 906084
Matrix: Water

Analyte	Fraction	Method	Concentration	MDL	Date Analyzed
Aluminum	Total	6010B	0.07 mg/l	0.05	7-Jul-99
Antimony	Total	6010B	U mg/l	0.05	7-Jul-99
Arsenic	Total	6010B	U mg/l	0.1	7-Jul-99
Barium	Total	6010B	0.15 mg/l	0.02	7-Jul-99
Beryllium	Total	6010B	U mg/l	0.004	7-Jul-99
Boron	Total	6010B	U mg/l	0.1	7-Jul-99
Cadmium	Total	6010B	U mg/l	0.005	7-Jul-99
Copper	Total	6010B	0.04 mg/l	0.01	7-Jul-99
Chromium	Total	6010B	U mg/l	0.01	7-Jul-99
Cobalt	Total	6010B	U mg/l	0.01	7-Jul-99
Iron	Total	6010B	4.4 mg/l	0.1	7-Jul-99
Lead	Total	6010B	U mg/l	0.05	7-Jul-99
Magnesium	Total	6010B	10.4 mg/l	0.1	7-Jul-99
Manganese	Total	6010B	0.512 mg/l	0.005	7-Jul-99
Molybdenum	Total	6010B	U mg/l	0.01	7-Jul-99
Nickel	Total	6010B	U mg/l	0.04	7-Jul-99
Potassium	Total	6010B	U mg/l	5	7-Jul-99
Selenium	Total	6010B	U mg/l	0.1	7-Jul-99
Silicon	Total	6010B	3.6 mg/l	0.5	7-Jul-99
Silver	Total	6010B	U mg/l	0.01	7-Jul-99
Sodium	Total	6010B	33 mg/l	1	7-Jul-99
Thallium	Total	6010B	U mg/l	0.1	7-Jul-99
Vanadium	Total	6010B	U mg/l	0.01	7-Jul-99
Zinc	Total	6010B	0.68 mg/l	0.02	7-Jul-99
Mercury	Total	7470	U mg/l	0.0002	2-Jul-99
Calcium	Total	6010B	34.9 mg/l	0.2	7-Jul-99



BARRINGER LABORATORIES, INC.

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9-Jul-99

Page: R-2

Job: 992406E

Status: Final

PINNACLE LABORATORIES INC.

Sample Id: 906084-02

Lab Id: 992406-2

Date Sampled: 22-Jun-99

Project: 906084

Matrix: Water

Analyte	Fraction	Method	Concentration	MDL	Date Analyzed
Aluminum	Total	6010B	0.08 mg/l	0.05	7-Jul-99
Antimony	Total	6010B	U mg/l	0.05	7-Jul-99
Arsenic	Total	6010B	U mg/l	0.1	7-Jul-99
Barium	Total	6010B	0.20 mg/l	0.02	7-Jul-99
Beryllium	Total	6010B	U mg/l	0.004	7-Jul-99
Boron	Total	6010B	U mg/l	0.1	7-Jul-99
Cadmium	Total	6010B	U mg/l	0.005	7-Jul-99
Copper	Total	6010B	0.03 mg/l	0.01	7-Jul-99
Chromium	Total	6010B	U mg/l	0.01	7-Jul-99
Cobalt	Total	6010B	U mg/l	0.01	7-Jul-99
Iron	Total	6010B	0.1 mg/l	0.1	7-Jul-99
Lead	Total	6010B	U mg/l	0.05	7-Jul-99
Magnesium	Total	6010B	12.5 mg/l	0.1	7-Jul-99
Manganese	Total	6010B	0.005 mg/l	0.005	7-Jul-99
Molybdenum	Total	6010B	U mg/l	0.01	7-Jul-99
Nickel	Total	6010B	U mg/l	0.04	7-Jul-99
Potassium	Total	6010B	U mg/l	5	7-Jul-99
Selenium	Total	6010B	U mg/l	0.1	7-Jul-99
Silicon	Total	6010B	5.1 mg/l	0.5	7-Jul-99
Silver	Total	6010B	U mg/l	0.01	7-Jul-99
Sodium	Total	6010B	21 mg/l	1	7-Jul-99
Thallium	Total	6010B	U mg/l	0.1	7-Jul-99
Vanadium	Total	6010B	U mg/l	0.01	7-Jul-99
Zinc	Total	6010B	0.54 mg/l	0.02	7-Jul-99
Mercury	Total	7470	U mg/l	0.0002	2-Jul-99
Calcium	Total	6010B	42.0 mg/l	0.2	7-Jul-99

PINNACLE LABORATORIES INC.

Sample Id: 906084-03
Lab Id: 992406-3
Date Sampled: 22-Jun-99

Project: 906084
Matrix: Water

Analyte	Fraction	Method	Concentration	MDL	Date Analyzed
Aluminum	Total	6010B	U mg/l	0.05	7-Jul-99
Antimony	Total	6010B	U mg/l	0.05	7-Jul-99
Arsenic	Total	6010B	U mg/l	0.1	7-Jul-99
Barium	Total	6010B	0.54 mg/l	0.02	7-Jul-99
Beryllium	Total	6010B	U mg/l	0.004	7-Jul-99
Boron	Total	6010B	U mg/l	0.1	7-Jul-99
Cadmium	Total	6010B	U mg/l	0.005	7-Jul-99
Copper	Total	6010B	U mg/l	0.01	7-Jul-99
Chromium	Total	6010B	U mg/l	0.01	7-Jul-99
Cobalt	Total	6010B	U mg/l	0.01	7-Jul-99
Iron	Total	6010B	0.1 mg/l	0.1	7-Jul-99
Lead	Total	6010B	U mg/l	0.05	7-Jul-99
Magnesium	Total	6010B	2.8 mg/l	0.1	7-Jul-99
Manganese	Total	6010B	0.117 mg/l	0.005	7-Jul-99
Molybdenum	Total	6010B	U mg/l	0.01	7-Jul-99
Nickel	Total	6010B	U mg/l	0.04	7-Jul-99
Potassium	Total	6010B	U mg/l	5	7-Jul-99
Selenium	Total	6010B	U mg/l	0.1	7-Jul-99
Silicon	Total	6010B	5.4 mg/l	0.5	7-Jul-99
Silver	Total	6010B	U mg/l	0.01	7-Jul-99
Sodium	Total	6010B	83 mg/l	1	7-Jul-99
Thallium	Total	6010B	U mg/l	0.1	7-Jul-99
Vanadium	Total	6010B	U mg/l	0.01	7-Jul-99
Zinc	Total	6010B	0.70 mg/l	0.02	7-Jul-99
Mercury	Total	7470	U mg/l	0.0002	2-Jul-99
Calcium	Total	6010B	27.1 mg/l	0.2	7-Jul-99



BARRINGER LABORATORIES, INC.

15000 W. 6TH AVE., SUITE 300 GOLDEN, CO 80401 (303) 277-1687 FAX (303) 277-1689

9-Jul-99

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Job: 992406E

Status: Final

PINNACLE LABORATORIES INC.

Sample Id: 906084-04

Lab Id: 992406-4

Date Sampled: 22-Jun-99

Project: 906084

Matrix: Water

Analyte	Fraction	Method	Concentration	MDL	Date Analyzed
Aluminum	Total	6010B	U mg/l	0.05	7-Jul-99
Antimony	Total	6010B	U mg/l	0.05	7-Jul-99
Arsenic	Total	6010B	U mg/l	0.1	7-Jul-99
Barium	Total	6010B	0.06 mg/l	0.02	7-Jul-99
Beryllium	Total	6010B	U mg/l	0.004	7-Jul-99
Boron	Total	6010B	U mg/l	0.1	7-Jul-99
Cadmium	Total	6010B	U mg/l	0.005	7-Jul-99
Copper	Total	6010B	0.04 mg/l	0.01	7-Jul-99
Chromium	Total	6010B	U mg/l	0.01	7-Jul-99
Cobalt	Total	6010B	U mg/l	0.01	7-Jul-99
Iron	Total	6010B	0.2 mg/l	0.1	7-Jul-99
Lead	Total	6010B	U mg/l	0.05	7-Jul-99
Magnesium	Total	6010B	0.4 mg/l	0.1	7-Jul-99
Manganese	Total	6010B	0.017 mg/l	0.005	7-Jul-99
Molybdenum	Total	6010B	U mg/l	0.01	7-Jul-99
Nickel	Total	6010B	U mg/l	0.04	7-Jul-99
Potassium	Total	6010B	U mg/l	5	7-Jul-99
Selenium	Total	6010B	U mg/l	0.1	7-Jul-99
Silicon	Total	6010B	4.2 mg/l	0.5	7-Jul-99
Silver	Total	6010B	U mg/l	0.01	7-Jul-99
Sodium	Total	6010B	101 mg/l	1	7-Jul-99
Thallium	Total	6010B	U mg/l	0.1	7-Jul-99
Vanadium	Total	6010B	U mg/l	0.01	7-Jul-99
Zinc	Total	6010B	0.29 mg/l	0.02	7-Jul-99
Mercury	Total	7470	U mg/l	0.0002	2-Jul-99
Calcium	Total	6010B	3.0 mg/l	0.2	7-Jul-99



BARRINGER LABORATORIES, INC.

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Status: Final

PINNACLE LABORATORIES INC.

Sample Id: 906084-05

Lab Id: 992406-5

Date Sampled: 22-Jun-99

Project: 906084

Matrix: Water

Analyte	Fraction	Method	Concentration	MDL	Date Analyzed
Aluminum	Total	6010B	U mg/l	0.05	7-Jul-99
Antimony	Total	6010B	U mg/l	0.05	7-Jul-99
Arsenic	Total	6010B	U mg/l	0.1	7-Jul-99
Barium	Total	6010B	0.26 mg/l	0.02	7-Jul-99
Beryllium	Total	6010B	U mg/l	0.004	7-Jul-99
Boron	Total	6010B	U mg/l	0.1	7-Jul-99
Cadmium	Total	6010B	U mg/l	0.005	7-Jul-99
Copper	Total	6010B	0.02 mg/l	0.01	7-Jul-99
Chromium	Total	6010B	U mg/l	0.01	7-Jul-99
Cobalt	Total	6010B	U mg/l	0.01	7-Jul-99
Iron	Total	6010B	0.2 mg/l	0.1	7-Jul-99
Lead	Total	6010B	U mg/l	0.05	7-Jul-99
Magnesium	Total	6010B	17.0 mg/l	0.1	7-Jul-99
Manganese	Total	6010B	U mg/l	0.005	7-Jul-99
Molybdenum	Total	6010B	U mg/l	0.01	7-Jul-99
Nickel	Total	6010B	U mg/l	0.04	7-Jul-99
Potassium	Total	6010B	U mg/l	5	7-Jul-99
Selenium	Total	6010B	U mg/l	0.1	7-Jul-99
Silicon	Total	6010B	3.3 mg/l	0.5	7-Jul-99
Silver	Total	6010B	U mg/l	0.01	7-Jul-99
Sodium	Total	6010B	25 mg/l	1	7-Jul-99
Thallium	Total	6010B	U mg/l	0.1	7-Jul-99
Vanadium	Total	6010B	U mg/l	0.01	7-Jul-99
Zinc	Total	6010B	0.24 mg/l	0.02	7-Jul-99
Mercury	Total	7470	U mg/l	0.0002	2-Jul-99
Calcium	Total	6010B	58.2 mg/l	0.2	7-Jul-99



BARRINGER LABORATORIES, INC.

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Status: Final

PINNACLE LABORATORIES INC.

Sample Id: 906084-06

Lab Id: 992406-6

Date Sampled: 22-Jun-99

Project: 906084

Matrix: Water

Analyte	Fraction	Method	Concentration	MDL	Date Analyzed
Aluminum	Total	6010B	U mg/l	0.05	7-Jul-99
Antimony	Total	6010B	U mg/l	0.05	7-Jul-99
Arsenic	Total	6010B	U mg/l	0.1	7-Jul-99
Barium	Total	6010B	0.13 mg/l	0.02	7-Jul-99
Beryllium	Total	6010B	U mg/l	0.004	7-Jul-99
Boron	Total	6010B	U mg/l	0.1	7-Jul-99
Cadmium	Total	6010B	U mg/l	0.005	7-Jul-99
Copper	Total	6010B	U mg/l	0.01	7-Jul-99
Chromium	Total	6010B	U mg/l	0.01	7-Jul-99
Cobalt	Total	6010B	U mg/l	0.01	7-Jul-99
Iron	Total	6010B	0.7 mg/l	0.1	7-Jul-99
Lead	Total	6010B	U mg/l	0.05	7-Jul-99
Magnesium	Total	6010B	10.1 mg/l	0.1	7-Jul-99
Manganese	Total	6010B	0.084 mg/l	0.005	7-Jul-99
Molybdenum	Total	6010B	U mg/l	0.01	7-Jul-99
Nickel	Total	6010B	U mg/l	0.04	7-Jul-99
Potassium	Total	6010B	U mg/l	5	7-Jul-99
Selenium	Total	6010B	U mg/l	0.1	7-Jul-99
Silicon	Total	6010B	5.5 mg/l	0.5	7-Jul-99
Silver	Total	6010B	U mg/l	0.01	7-Jul-99
Sodium	Total	6010B	30 mg/l	1	7-Jul-99
Thallium	Total	6010B	U mg/l	0.1	7-Jul-99
Vanadium	Total	6010B	U mg/l	0.01	7-Jul-99
Zinc	Total	6010B	0.02 mg/l	0.02	7-Jul-99
Mercury	Total	7470	U mg/l	0.0002	2-Jul-99
Calcium	Total	6010B	27.7 mg/l	0.2	7-Jul-99



BARRINGER LABORATORIES, INC.

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Job: 992406E

Status: Final

PINNACLE LABORATORIES INC.

Sample Id: 906084-07

Lab Id: 992406-7

Date Sampled: 22-Jun-99

Project: 906084

Matrix: Water

Analyte	Fraction	Method	Concentration	MDL	Date Analyzed
Aluminum	Total	6010B	1.96 mg/l	0.05	7-Jul-99
Antimony	Total	6010B	U mg/l	0.05	7-Jul-99
Arsenic	Total	6010B	U mg/l	0.1	7-Jul-99
Barium	Total	6010B	0.12 mg/l	0.02	7-Jul-99
Beryllium	Total	6010B	U mg/l	0.004	7-Jul-99
Boron	Total	6010B	U mg/l	0.1	7-Jul-99
Cadmium	Total	6010B	U mg/l	0.005	7-Jul-99
Copper	Total	6010B	U mg/l	0.01	7-Jul-99
Chromium	Total	6010B	U mg/l	0.01	7-Jul-99
Cobalt	Total	6010B	U mg/l	0.01	7-Jul-99
Iron	Total	6010B	2.1 mg/l	0.1	7-Jul-99
Lead	Total	6010B	U mg/l	0.05	7-Jul-99
Magnesium	Total	6010B	12.6 mg/l	0.1	7-Jul-99
Manganese	Total	6010B	0.179 mg/l	0.005	7-Jul-99
Molybdenum	Total	6010B	U mg/l	0.01	7-Jul-99
Nickel	Total	6010B	U mg/l	0.04	7-Jul-99
Potassium	Total	6010B	U mg/l	5	7-Jul-99
Selenium	Total	6010B	U mg/l	0.1	7-Jul-99
Silicon	Total	6010B	8.4 mg/l	0.5	7-Jul-99
Silver	Total	6010B	U mg/l	0.01	7-Jul-99
Sodium	Total	6010B	23 mg/l	1	7-Jul-99
Thallium	Total	6010B	U mg/l	0.1	7-Jul-99
Vanadium	Total	6010B	U mg/l	0.01	7-Jul-99
Zinc	Total	6010B	U mg/l	0.02	7-Jul-99
Mercury	Total	7470	U mg/l	0.0002	2-Jul-99
Calcium	Total	6010B	35.6 mg/l	0.2	7-Jul-99



BARRINGER LABORATORIES, INC.

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9-Jul-99

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Job: 992406E

Status: Final

PINNACLE LABORATORIES INC.

Sample Id: 906084-08

Lab Id: 992406-8

Date Sampled: 22-Jun-99

Project: 906084

Matrix: Water

Analyte	Fraction	Method	Concentration	MDL	Date Analyzed
Aluminum	Total	6010B	0.60 mg/l	0.05	7-Jul-99
Antimony	Total	6010B	U mg/l	0.05	7-Jul-99
Arsenic	Total	6010B	U mg/l	0.1	7-Jul-99
Barium	Total	6010B	0.16 mg/l	0.02	7-Jul-99
Beryllium	Total	6010B	U mg/l	0.004	7-Jul-99
Boron	Total	6010B	U mg/l	0.1	7-Jul-99
Cadmium	Total	6010B	U mg/l	0.005	7-Jul-99
Copper	Total	6010B	U mg/l	0.01	7-Jul-99
Chromium	Total	6010B	U mg/l	0.01	7-Jul-99
Cobalt	Total	6010B	U mg/l	0.01	7-Jul-99
Iron	Total	6010B	1.1 mg/l	0.1	7-Jul-99
Lead	Total	6010B	U mg/l	0.05	7-Jul-99
Magnesium	Total	6010B	13.7 mg/l	0.1	7-Jul-99
Manganese	Total	6010B	0.138 mg/l	0.005	7-Jul-99
Molybdenum	Total	6010B	U mg/l	0.01	7-Jul-99
Nickel	Total	6010B	U mg/l	0.04	7-Jul-99
Potassium	Total	6010B	U mg/l	5	7-Jul-99
Selenium	Total	6010B	U mg/l	0.1	7-Jul-99
Silicon	Total	6010B	5.9 mg/l	0.5	7-Jul-99
Silver	Total	6010B	U mg/l	0.01	7-Jul-99
Sodium	Total	6010B	25 mg/l	1	7-Jul-99
Thallium	Total	6010B	U mg/l	0.1	7-Jul-99
Vanadium	Total	6010B	U mg/l	0.01	7-Jul-99
Zinc	Total	6010B	U mg/l	0.02	7-Jul-99
Mercury	Total	7470	U mg/l	0.0002	2-Jul-99
Calcium	Total	6010B	388 mg/l	0.2	7-Jul-99

BARRINGER LABORATORIES, INC.

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9-Jul-99

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Job: 992406E

Status: Final

PINNACLE LABORATORIES INC.

QUALITY CONTROL REPORT

Sample Id	Aluminum Total mg/l	Antimony Total mg/l	Arsenic Total mg/l	Barium Total mg/l	Beryllium Total mg/l
Blank	U	U	U	U	U
LCS (True)	10.0	2.00	5.00	10.0	1.00
LCS (Found)	10.2	2.07	4.97	10.7	1.01
LCS % Rec	102	103	99.3	107	101
Duplicate	4.02	0.97	4.0	4.24	0.097
Duplicate	3.94	0.95	3.8	4.16	0.095
RPD	2.0	1.7	4.1	1.9	2.1
Spike % Rec	100	96.7	100	106	97.0

Sample Id	Boron Total mg/l	Cadmium Total mg/l	Copper Total mg/l	Chromium Total mg/l	Cobalt Total mg/l
Blank	U	U	U	U	U
LCS (True)	1.00	1.00	2.00	2.00	5.00
LCS (Found)	0.97	0.98	2.08	2.10	5.14
LCS % Rec	97.4	98.1	104	105	103
Duplicate	2.1	0.089	0.57	0.42	1.02
Duplicate	2.0	0.085	0.56	0.41	0.99
RPD	1.2	4.0	2.0	2.4	3.2
Spike % Rec	100	88.8	104	104	102

Sample Id	Iron Total mg/l	Lead Total mg/l	Magnesium Total mg/l	Manganese Total mg/l	Molybdenum Total mg/l
Blank	U	U	U	U	U
LCS (True)	10.0	5.00	20.0	1.00	1.00
LCS (Found)	10.6	5.14	20.9	1.06	1.03
LCS % Rec	106	103	104	106	103
Duplicate	2.1	1.04	U	1.06	2.03
Duplicate	2.1	1.02	U	1.04	2.00
RPD	1.7	2.0	NC	2.2	1.8
Spike % Rec	107	104	NA	106	102



BARRINGER LABORATORIES, INC.

15000 W. 6TH AVE., SUITE 300 GOLDEN, CO 80401 (303) 277-1687 FAX (303) 277-1689

9-Jul-99

Page: Q-2

Job: 992406E

Status: Final

PINNACLE LABORATORIES INC.

QUALITY CONTROL REPORT

Sample Id	Nickel Total mg/l	Potassium Total mg/l	Selenium Total mg/l	Silicon Total mg/l	Silver Total mg/l
Blank	U	U	U	U	U
LCS (True)	5.00	20.0	5.00	2.00	1.00
LCS (Found)	5.26	22.2	5.20	2.16	0.97
LCS % Rec	105	111	104	108	96.9
Duplicate	1.07	U	4.2	4.1	0.10
Duplicate	1.03	U	4.1	4.1	0.10
RPD	4.0	NC	3.6	1.3	1.7
Spike % Rec	107	NA	105	103	101

Sample Id	Sodium Total mg/l	Thallium Total mg/l	Vanadium Total mg/l	Zinc Total mg/l	Mercury Total mg/l
Blank	U	U	U	U	U
LCS (True)	20.0	5.00	5.00	1.00	0.0050
LCS (Found)	21.2	5.13	5.14	1.00	0.0051
LCS % Rec	106	103	103	100	101
Duplicate	U	3.8	1.00	1.02	U
Duplicate	U	3.8	0.98	1.00	U
RPD	NC	1.0	1.9	2.2	NC
Spike % Rec	NA	94.6	100	102	84.0

Sample Id	Calcium Total mg/l
Blank	U
LCS (True)	20.0
LCS (Found)	20.4
LCS % Rec	102
Duplicate	U
Duplicate	U
RPD	NC
Spike % Rec	NA



Kimberly D. McNeill
PINNACLE LABORATORIES INC.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107

9-Jul-99
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Attn:
Project: 906084

Received: 24-Jun-99 09:45
PO #: 906084

Job: 992406E Status: Final

Abbreviations:

Units:
mg/l : milligrams per liter

Quality codes:

NA : Not Analyzed
U : Undetected at reported limit
NC : Not Calculated



Kimberly D. McNeill
PINNACLE LABORATORIES INC.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107

9-Jul-99
Page: Q-4

Attn:
Project: 906084

Received: 24-Jun-99 09:45
PO #: 906084

Job: 992406E

Status: Final

QUALITY CONTROL DATA SHEET

Received by: kz

Via: Fed Ex

Sample Container Type: 500mL pl
Additional Lab Preparation: None

Parameter	Method	Preservative	Init	Analysis Dates
Al	6010B	HNO3	SLM	07/07
Sb	6010B	HNO3	SLM	07/07-07/08
As	6010B	HNO3	SLM	07/07
Ba	6010B	HNO3	SLM	07/07
Be	6010B	HNO3	SLM	07/07
B	6010B	HNO3	SLM	07/07
Cd	6010B	HNO3	SLM	07/07
Cu	6010B	HNO3	SLM	07/07
Cr	6010B	HNO3	SLM	07/07
Co	6010B	HNO3	SLM	07/07
Fe	6010B	HNO3	SLM	07/07
Pb	6010B	HNO3	SLM	07/07
Mg	6010B	HNO3	SLM	07/07
Mn	6010B	HNO3	SLM	07/07
Mo	6010B	HNO3	SLM	07/07
Ni	6010B	HNO3	SLM	07/07
K	6010B	HNO3	SLM	07/07
Se	6010B	HNO3	SLM	07/07
Si	6010B	HNO3	SLM	07/07
Ag	6010B	HNO3	SLM	07/07
Na	6010B	HNO3	SLM	07/07
Tl	6010B	HNO3	SLM	07/07
V	6010B	HNO3	SLM	07/07
Zn	6010B	HNO3	SLM	07/07
Hg	7470	HNO3	AW	07/02
Ca	6010B	HNO3	SLM	07/07



BARRINGER LABORATORIES, INC.

15000 W. 6TH AVE., SUITE 300 GOLDEN, CO 80401 (303) 277-1687 FAX (303) 277-1689

Kimberly D. McNeill
PINNACLE LABORATORIES INC.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107

9-Jul-99
Page: Q-5

Attn:
Project: 906084

Received: 24-Jun-99 09:45
PO #: 906084

Job: 992406E

Status: Final

Barringer Laboratories, Inc. will return or dispose of your samples 30 days from the date your final report is mailed, unless otherwise specified by contract. Barringer Laboratories, Inc. reserves the right to return samples prior to the 30 days if radioactive levels exceed our license.

Network Project Manager: Kimberly D. McNeill					ANALYSIS REQUEST																			
Pinnacle Laboratories, Inc. 2709-D Pan American Freeway, NE Albuquerque, New Mexico 87107 (505) 344-3777 Fax (505) 344-4413 992406					Metals (8) RCRA	RCRA TCLP METALS	Metals Al, Sb, As, Ba, Be, B, Cd, Cu, Cr, Co, Ni, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Si, Ag, Na, Tl, V, Zn, Hg	TOC	Gen Chemistry	Oil and Grease	Volatile Organics GC/MS (8260)	BOD	COD	PESTICIDES/PCB (608/8080)	8270 BY GC/MS	PNA (8310)	8240 (TCLP 1311) ZHE	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	URANIUM	RADIUM 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
SAMPLE ID	DATE	TIME	MATRIX	LAB ID																				
906084-01	6/22	0915	AQ																					
-02		1040																						
-03		1100																						
-04		1300																						
-05		1400																						
-06		1450																						
-07		1510																						
-08	↓	1145	↓																					

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		
PROJECT #:	906084	Total Number of Containers		PENSACOLA - STL-FL		Signature:	Time:	Signature:	Time:	
PROJ. NAME:	NMOCO	Chain of Custody Seals		PORTLAND - ESL-OR		Signature:	Time:	Signature:	Time:	
QC LEVEL:	STD. IV	Received Intact?		STL - CT		Printed Name:	Date:	Printed Name:	Date:	
QC REQUIRED:	MS MSD BLANK	Received Good Cond./Cold		STL - NEW JERSEY		Signature:	Date:	Signature:	Date:	
TAT:	STANDARD RUSH!!	LAB NUMBER:		N. CREEK		Pinnacle Laboratories, Inc.		Company		
				BARRINGER	X	RECEIVED BY:	1.	RECEIVED BY:	2.	
DUE DATE:	7/7	COMMENTS:		SEQUOIA		Signature:	Time:	Signature:	Time:	
RUSH SURCHARGE:	-						Signature:	Time:	Signature:	Time:
CLIENT DISCOUNT:	-						Printed Name:	Date:	Printed Name:	Date:
SPECIAL CERTIFICATION REQUIRED:	YES NO						Company		Company	

Environmental Services Laboratory, Inc.

17400 SW Upper Boones Ferry Road • Suite 270 • Portland, OR 97224 • (503) 670-8520

July 08, 1999

Kim McNeill
Pinnacle Laboratories
2709-D Pan American Fwy NE
Albuquerque, NM 87107

TEL: 505-344-3777
FAX (505) 344-4413

RE: 906084/NMOCD/Vermejo

Order No.: 9906123

Dear Kim McNeill,

Environmental Services Laboratory received 8 samples on 06/24/99 for the analyses presented in the following report.

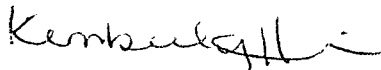
The Samples were analyzed for the following tests:

Alkalinity (Alkalinity)
BNA Semi-Vol Organics, Aqueous (SW8270B)
CHLORIDE (Chloride)
CONDUCTANCE (E120.1)
Fluoride (fluoride)
Sulfate (Sulfate)
TOTAL DISSOLVED SOLIDS (E160.1)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety, without the written approval from the Laboratory.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Kimberly Hill
Project Manager



Technical Review

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-01A

Client Sample ID: 906084-01
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ALKALINITY		EPA 310.0				Analyst: sld
Alkalinity, Bicarbonate (As CaCO ₃)	280	5		mg/L CaCO ₃	1	06/25/99
Alkalinity, Carbonate (As CaCO ₃)	ND	5		mg/L CaCO ₃	1	06/25/99
CHLORIDE		EPA 325.3				Analyst: sld
Chloride	4.3	0.5		mg/L	1	06/24/99
CONDUCTANCE		EPA 120.1				Analyst: sld
Specific Conductance	322	1		µmhos/cm	1	06/29/99
FLUORIDE		EPA 340.2				Analyst: sld
Fluoride	ND	0.2		mg/L	1	06/29/99
SULFATE		EPA 375.4				Analyst: sld
Sulfate	8	5		mg/L	1	06/24/99
TOTAL DISSOLVED SOLIDS		EPA 160.1				Analyst: cms
Total Dissolved Solids (Residue, Filterable)	210	10		mg/L	1	06/29/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-01A

Client Sample ID: 906084-01
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BNA SEMI-VOL ORGANICS, AQUEOUS		SW 8270B				Analyst: keh
1,2,4,5-Tetrachlorobenzene	ND	5		µg/L	1	07/01/99
1,2,4-Trichlorobenzene	ND	5		µg/L	1	07/01/99
1,2-Dichlorobenzene	ND	5		µg/L	1	07/01/99
1,2-Diphenylhydrazine	ND	5		µg/L	1	07/01/99
1,3-Dichlorobenzene	ND	5		µg/L	1	07/01/99
1,4-Dichlorobenzene	ND	5		µg/L	1	07/01/99
2,3,4,6-Tetrachlorophenol	ND	5		µg/L	1	07/01/99
2,4,5-Trichlorophenol	ND	5		µg/L	1	07/01/99
2,4,6-Trichlorophenol	ND	5		µg/L	1	07/01/99
2,4-Dichlorophenol	ND	5		µg/L	1	07/01/99
2,4-Dimethylphenol	ND	5		µg/L	1	07/01/99
2,4-Dinitrophenol	ND	10		µg/L	1	07/01/99
2,4-Dinitrotoluene	ND	5		µg/L	1	07/01/99
2,6-Dichlorophenol	ND	5		µg/L	1	07/01/99
2,6-Dinitrotoluene	ND	5		µg/L	1	07/01/99
2-Chloronaphthalene	ND	5		µg/L	1	07/01/99
2-Chlorophenol	ND	5		µg/L	1	07/01/99
2-Methylnaphthalene	ND	5		µg/L	1	07/01/99
2-Methylphenol	ND	5		µg/L	1	07/01/99
2-Nitroaniline	ND	5		µg/L	1	07/01/99
2-Nitrophenol	ND	5		µg/L	1	07/01/99
2-Picoline	ND	10		µg/L	1	07/01/99
3-Methylcholanthrene	ND	5		µg/L	1	07/01/99
3-Methylphenol	ND	5		µg/L	1	07/01/99
3-Nitroaniline	ND	5		µg/L	1	07/01/99
4,6-Dinitro-2-methylphenol	ND	5		µg/L	1	07/01/99
4-Aminobiphenyl	ND	50		µg/L	1	07/01/99
4-Bromophenyl phenyl ether	ND	5		µg/L	1	07/01/99
4-Chloro-3-methylphenol	ND	5		µg/L	1	07/01/99
4-Chlorophenyl phenyl ether	ND	5		µg/L	1	07/01/99
4-Methylphenol	ND	5		µg/L	1	07/01/99
4-Nitroaniline	ND	5		µg/L	1	07/01/99
4-Nitrophenol	ND	5		µg/L	1	07/01/99
7,12-Dimethylbenz(a)anthracene	ND	5		µg/L	1	07/01/99
Acenaphthene	ND	5		µg/L	1	07/01/99
Acenaphthylene	ND	5		µg/L	1	07/01/99
Acetophenone	ND	5		µg/L	1	07/01/99
Aniline	ND	5		µg/L	1	07/01/99
Anthracene	ND	5		µg/L	1	07/01/99
Benz(a)anthracene	ND	5		µg/L	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-01A

Client Sample ID: 906084-01
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Benzo(a)pyrene	ND	5		µg/L	1	07/01/99
Benzo(b)fluoranthene	ND	5		µg/L	1	07/01/99
Benzo(g,h,i)perylene	ND	5		µg/L	1	07/01/99
Benzo(k)fluoranthene	ND	5		µg/L	1	07/01/99
Benzyl alcohol	ND	5		µg/L	1	07/01/99
Bis(2-chloroethoxy)methane	ND	5		µg/L	1	07/01/99
Bis(2-chloroethyl)ether	ND	5		µg/L	1	07/01/99
Bis(2-chloroisopropyl)ether	ND	5		µg/L	1	07/01/99
Bis(2-ethylhexyl)phthalate	ND	5		µg/L	1	07/01/99
Butyl benzyl phthalate	ND	5		µg/L	1	07/01/99
Chrysene	ND	5		µg/L	1	07/01/99
Di-n-butyl phthalate	ND	5		µg/L	1	07/01/99
Di-n-octyl phthalate	ND	5		µg/L	1	07/01/99
Dibenz(a,h)anthracene	ND	5		µg/L	1	07/01/99
Dibenzofuran	ND	5		µg/L	1	07/01/99
Diethyl phthalate	ND	5		µg/L	1	07/01/99
Dimethyl phthalate	ND	5		µg/L	1	07/01/99
Ethyl methanesulfonate	ND	5		µg/L	1	07/01/99
Fluoranthene	ND	5		µg/L	1	07/01/99
Fluorene	ND	5		µg/L	1	07/01/99
Hexachlorobenzene	ND	5		µg/L	1	07/01/99
Hexachlorobutadiene	ND	5		µg/L	1	07/01/99
Hexachlorocyclopentadiene	ND	5		µg/L	1	07/01/99
Hexachloroethane	ND	5		µg/L	1	07/01/99
Indeno(1,2,3-cd)pyrene	ND	5		µg/L	1	07/01/99
Isophorone	ND	5		µg/L	1	07/01/99
Methyl methanesulfonate	ND	5		µg/L	1	07/01/99
N-Nitroso-di-n-butylamine	ND	5		µg/L	1	07/01/99
N-Nitrosodi-n-propylamine	ND	5		µg/L	1	07/01/99
N-Nitrosodiphenylamine	ND	5		µg/L	1	07/01/99
N-Nitrosopiperidine	ND	5		µg/L	1	07/01/99
Naphthalene	ND	5		µg/L	1	07/01/99
Nitrobenzene	ND	5		µg/L	1	07/01/99
p-Dimethylaminoazobenzene	ND	5		µg/L	1	07/01/99
Pentachlorobenzene	ND	5		µg/L	1	07/01/99
Pentachloronitrobenzene	ND	5		µg/L	1	07/01/99
Pentachlorophenol	ND	5		µg/L	1	07/01/99
Phenacetin	ND	5		µg/L	1	07/01/99
Phenanthrene	ND	5		µg/L	1	07/01/99
Phenol	ND	5		µg/L	1	07/01/99
Pyrene	ND	5		µg/L	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-01A

Client Sample ID: 906084-01
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Surr: 2,4,6-Tribromophenol	49.0	10-123		%REC	1	07/01/99
Surr: 2-Fluorobiphenyl	45.4	43-116		%REC	1	07/01/99
Surr: 2-Fluorophenol	26.4	21-100		%REC	1	07/01/99
Surr: 4-Terphenyl-d14	41.1	33-141		%REC	1	07/01/99
Surr: Nitrobenzene-d5	46.0	35-114		%REC	1	07/01/99
Surr: Phenol-d5	16.7	10-94		%REC	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-02A

Client Sample ID: 906084-02
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ALKALINITY		EPA 310.0				Analyst: sld
Alkalinity, Bicarbonate (As CaCO ₃)	150	5		mg/L CaCO ₃	1	06/25/99
Alkalinity, Carbonate (As CaCO ₃)	ND	5		mg/L CaCO ₃	1	06/25/99
CHLORIDE		EPA 325.3				Analyst: sld
Chloride	7.3	0.5		mg/L	1	06/24/99
CONDUCTANCE		EPA 120.1				Analyst: sld
Specific Conductance	290	1		µmhos/cm	1	06/29/99
FLUORIDE		EPA 340.2				Analyst: sld
Fluoride	ND	0.2		mg/L	1	06/29/99
SULFATE		EPA 375.4				Analyst: sld
Sulfate	21	5		mg/L	1	06/24/99
TOTAL DISSOLVED SOLIDS		EPA 160.1				Analyst: cms
Total Dissolved Solids (Residue, Filterable)	200	10		mg/L	1	06/29/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-02A

Client Sample ID: 906084-02
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BNA SEMI-VOL ORGANICS, AQUEOUS		SW 8270B				Analyst: keh
1,2,4,5-Tetrachlorobenzene	ND	5		µg/L	1	07/01/99
1,2,4-Trichlorobenzene	ND	5		µg/L	1	07/01/99
1,2-Dichlorobenzene	ND	5		µg/L	1	07/01/99
1,2-Diphenylhydrazine	ND	5		µg/L	1	07/01/99
1,3-Dichlorobenzene	ND	5		µg/L	1	07/01/99
1,4-Dichlorobenzene	ND	5		µg/L	1	07/01/99
2,3,4,6-Tetrachlorophenol	ND	5		µg/L	1	07/01/99
2,4,5-Trichlorophenol	ND	5		µg/L	1	07/01/99
2,4,6-Trichlorophenol	ND	5		µg/L	1	07/01/99
2,4-Dichlorophenol	ND	5		µg/L	1	07/01/99
2,4-Dimethylphenol	ND	5		µg/L	1	07/01/99
2,4-Dinitrophenol	ND	10		µg/L	1	07/01/99
2,4-Dinitrotoluene	ND	5		µg/L	1	07/01/99
2,6-Dichlorophenol	ND	5		µg/L	1	07/01/99
2,6-Dinitrotoluene	ND	5		µg/L	1	07/01/99
2-Chloronaphthalene	ND	5		µg/L	1	07/01/99
2-Chlorophenol	ND	5		µg/L	1	07/01/99
2-Methylnaphthalene	ND	5		µg/L	1	07/01/99
2-Methylphenol	ND	5		µg/L	1	07/01/99
2-Nitroaniline	ND	5		µg/L	1	07/01/99
2-Nitrophenol	ND	5		µg/L	1	07/01/99
2-Picoline	ND	10		µg/L	1	07/01/99
3-Methylcholanthrene	ND	5		µg/L	1	07/01/99
3-Methylphenol	ND	5		µg/L	1	07/01/99
3-Nitroaniline	ND	5		µg/L	1	07/01/99
4,6-Dinitro-2-methylphenol	ND	5		µg/L	1	07/01/99
4-Aminobiphenyl	ND	50		µg/L	1	07/01/99
4-Bromophenyl phenyl ether	ND	5		µg/L	1	07/01/99
4-Chloro-3-methylphenol	ND	5		µg/L	1	07/01/99
4-Chlorophenyl phenyl ether	ND	5		µg/L	1	07/01/99
4-Methylphenol	ND	5		µg/L	1	07/01/99
4-Nitroaniline	ND	5		µg/L	1	07/01/99
4-Nitrophenol	ND	5		µg/L	1	07/01/99
7,12-Dimethylbenz(a)anthracene	ND	5		µg/L	1	07/01/99
Acenaphthene	ND	5		µg/L	1	07/01/99
Acenaphthylene	ND	5		µg/L	1	07/01/99
Acetophenone	ND	5		µg/L	1	07/01/99
Aniline	ND	5		µg/L	1	07/01/99
Anthracene	ND	5		µg/L	1	07/01/99
Benz(a)anthracene	ND	5		µg/L	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-02A

Client Sample ID: 906084-02
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Benzo(a)pyrene	ND	5		µg/L	1	07/01/99
Benzo(b)fluoranthene	ND	5		µg/L	1	07/01/99
Benzo(g,h,i)perylene	ND	5		µg/L	1	07/01/99
Benzo(k)fluoranthene	ND	5		µg/L	1	07/01/99
Benzyl alcohol	ND	5		µg/L	1	07/01/99
Bis(2-chloroethoxy)methane	ND	5		µg/L	1	07/01/99
Bis(2-chloroethyl)ether	ND	5		µg/L	1	07/01/99
Bis(2-chloroisopropyl)ether	ND	5		µg/L	1	07/01/99
Bis(2-ethylhexyl)phthalate	ND	5		µg/L	1	07/01/99
Butyl benzyl phthalate	ND	5		µg/L	1	07/01/99
Chrysene	ND	5		µg/L	1	07/01/99
Di-n-butyl phthalate	ND	5		µg/L	1	07/01/99
Di-n-octyl phthalate	ND	5		µg/L	1	07/01/99
Dibenz(a,h)anthracene	ND	5		µg/L	1	07/01/99
Dibenzofuran	ND	5		µg/L	1	07/01/99
Diethyl phthalate	ND	5		µg/L	1	07/01/99
Dimethyl phthalate	ND	5		µg/L	1	07/01/99
Ethyl methanesulfonate	ND	5		µg/L	1	07/01/99
Fluoranthene	ND	5		µg/L	1	07/01/99
Fluorene	ND	5		µg/L	1	07/01/99
Hexachlorobenzene	ND	5		µg/L	1	07/01/99
Hexachlorobutadiene	ND	5		µg/L	1	07/01/99
Hexachlorocyclopentadiene	ND	5		µg/L	1	07/01/99
Hexachloroethane	ND	5		µg/L	1	07/01/99
Indeno(1,2,3-cd)pyrene	ND	5		µg/L	1	07/01/99
Isophorone	ND	5		µg/L	1	07/01/99
Methyl methanesulfonate	ND	5		µg/L	1	07/01/99
N-Nitroso-di-n-butylamine	ND	5		µg/L	1	07/01/99
N-Nitrosodi-n-propylamine	ND	5		µg/L	1	07/01/99
N-Nitrosodiphenylamine	ND	5		µg/L	1	07/01/99
N-Nitrosopiperidine	ND	5		µg/L	1	07/01/99
Naphthalene	ND	5		µg/L	1	07/01/99
Nitrobenzene	ND	5		µg/L	1	07/01/99
p-Dimethylaminoazobenzene	ND	5		µg/L	1	07/01/99
Pentachlorobenzene	ND	5		µg/L	1	07/01/99
Pentachloronitrobenzene	ND	5		µg/L	1	07/01/99
Pentachlorophenol	ND	5		µg/L	1	07/01/99
Phenacetin	ND	5		µg/L	1	07/01/99
Phenanthrene	ND	5		µg/L	1	07/01/99
Phenol	ND	5		µg/L	1	07/01/99
Pyrene	ND	5		µg/L	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-02A

Client Sample ID: 906084-02
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Surr: 2,4,6-Tribromophenol	46.1	10-123		%REC	1	07/01/99
Surr: 2-Fluorobiphenyl	42.2	43-116	S	%REC	1	07/01/99
Surr: 2-Fluorophenol	25.8	21-100		%REC	1	07/01/99
Surr: 4-Terphenyl-d14	38.8	33-141		%REC	1	07/01/99
Surr: Nitrobenzene-d5	42.2	35-114		%REC	1	07/01/99
Surr: Phenol-d5	16.6	10-94		%REC	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-03A

Client Sample ID: 906084-03
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ALKALINITY		EPA 310.0				Analyst: sld
Alkalinity, Bicarbonate (As CaCO ₃)	250	5		mg/L CaCO ₃	1	06/25/99
Alkalinity, Carbonate (As CaCO ₃)	ND	5		mg/L CaCO ₃	1	06/25/99
CHLORIDE		EPA 325.3				Analyst: sld
Chloride	0.5	0.5		mg/L	1	06/24/99
CONDUCTANCE		EPA 120.1				Analyst: sld
Specific Conductance	426	1		µmhos/cm	1	06/29/99
FLUORIDE		EPA 340.2				Analyst: sld
Fluoride	0.67	0.2		mg/L	1	06/29/99
SULFATE		EPA 375.4				Analyst: sld
Sulfate	ND	5		mg/L	1	06/24/99
TOTAL DISSOLVED SOLIDS		EPA 160.1				Analyst: cms
Total Dissolved Solids (Residue, Filterable)	270	10		mg/L	1	06/29/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-03A

Client Sample ID: 906084-03
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BNA SEMI-VOL ORGANICS, AQUEOUS		SW 8270B				Analyst: keh
1,2,4,5-Tetrachlorobenzene	ND	5		µg/L	1	07/01/99
1,2,4-Trichlorobenzene	ND	5		µg/L	1	07/01/99
1,2-Dichlorobenzene	ND	5		µg/L	1	07/01/99
1,2-Diphenylhydrazine	ND	5		µg/L	1	07/01/99
1,3-Dichlorobenzene	ND	5		µg/L	1	07/01/99
1,4-Dichlorobenzene	ND	5		µg/L	1	07/01/99
2,3,4,6-Tetrachlorophenol	ND	5		µg/L	1	07/01/99
2,4,5-Trichlorophenol	ND	5		µg/L	1	07/01/99
2,4,6-Trichlorophenol	ND	5		µg/L	1	07/01/99
2,4-Dichlorophenol	ND	5		µg/L	1	07/01/99
2,4-Dimethylphenol	ND	5		µg/L	1	07/01/99
2,4-Dinitrophenol	ND	10		µg/L	1	07/01/99
2,4-Dinitrotoluene	ND	5		µg/L	1	07/01/99
2,6-Dichlorophenol	ND	5		µg/L	1	07/01/99
2,6-Dinitrotoluene	ND	5		µg/L	1	07/01/99
2-Chloronaphthalene	ND	5		µg/L	1	07/01/99
2-Chlorophenol	ND	5		µg/L	1	07/01/99
2-Methylnaphthalene	ND	5		µg/L	1	07/01/99
2-Methylphenol	ND	5		µg/L	1	07/01/99
2-Nitroaniline	ND	5		µg/L	1	07/01/99
2-Nitrophenol	ND	5		µg/L	1	07/01/99
2-Picoline	ND	10		µg/L	1	07/01/99
3-Methylcholanthrene	ND	5		µg/L	1	07/01/99
3-Methylphenol	ND	5		µg/L	1	07/01/99
3-Nitroaniline	ND	5		µg/L	1	07/01/99
4,6-Dinitro-2-methylphenol	ND	5		µg/L	1	07/01/99
4-Aminobiphenyl	ND	50		µg/L	1	07/01/99
4-Bromophenyl phenyl ether	ND	5		µg/L	1	07/01/99
4-Chloro-3-methylphenol	ND	5		µg/L	1	07/01/99
4-Chlorophenyl phenyl ether	ND	5		µg/L	1	07/01/99
4-Methylphenol	ND	5		µg/L	1	07/01/99
4-Nitroaniline	ND	5		µg/L	1	07/01/99
4-Nitrophenol	ND	5		µg/L	1	07/01/99
7,12-Dimethylbenz(a)anthracene	ND	5		µg/L	1	07/01/99
Acenaphthene	ND	5		µg/L	1	07/01/99
Acenaphthylene	ND	5		µg/L	1	07/01/99
Acetophenone	ND	5		µg/L	1	07/01/99
Aniline	ND	5		µg/L	1	07/01/99
Anthracene	ND	5		µg/L	1	07/01/99
Benz(a)anthracene	ND	5		µg/L	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-03A

Client Sample ID: 906084-03
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Benzo(a)pyrene	ND	5		µg/L	1	07/01/99
Benzo(b)fluoranthene	ND	5		µg/L	1	07/01/99
Benzo(g,h,i)perylene	ND	5		µg/L	1	07/01/99
Benzo(k)fluoranthene	ND	5		µg/L	1	07/01/99
Benzyl alcohol	ND	5		µg/L	1	07/01/99
Bis(2-chloroethoxy)methane	ND	5		µg/L	1	07/01/99
Bis(2-chloroethyl)ether	ND	5		µg/L	1	07/01/99
Bis(2-chloroisopropyl)ether	ND	5		µg/L	1	07/01/99
Bis(2-ethylhexyl)phthalate	ND	5		µg/L	1	07/01/99
Butyl benzyl phthalate	ND	5		µg/L	1	07/01/99
Chrysene	ND	5		µg/L	1	07/01/99
Di-n-butyl phthalate	ND	5		µg/L	1	07/01/99
Di-n-octyl phthalate	ND	5		µg/L	1	07/01/99
Dibenz(a,h)anthracene	ND	5		µg/L	1	07/01/99
Dibenzofuran	ND	5		µg/L	1	07/01/99
Diethyl phthalate	ND	5		µg/L	1	07/01/99
Dimethyl phthalate	ND	5		µg/L	1	07/01/99
Ethyl methanesulfonate	ND	5		µg/L	1	07/01/99
Fluoranthene	ND	5		µg/L	1	07/01/99
Fluorene	ND	5		µg/L	1	07/01/99
Hexachlorobenzene	ND	5		µg/L	1	07/01/99
Hexachlorobutadiene	ND	5		µg/L	1	07/01/99
Hexachlorocyclopentadiene	ND	5		µg/L	1	07/01/99
Hexachloroethane	ND	5		µg/L	1	07/01/99
Indeno(1,2,3-cd)pyrene	ND	5		µg/L	1	07/01/99
Isophorone	ND	5		µg/L	1	07/01/99
Methyl methanesulfonate	ND	5		µg/L	1	07/01/99
N-Nitroso-di-n-butylamine	ND	5		µg/L	1	07/01/99
N-Nitrosodi-n-propylamine	ND	5		µg/L	1	07/01/99
N-Nitrosodiphenylamine	ND	5		µg/L	1	07/01/99
N-Nitrosopiperidine	ND	5		µg/L	1	07/01/99
Naphthalene	ND	5		µg/L	1	07/01/99
Nitrobenzene	ND	5		µg/L	1	07/01/99
p-Dimethylaminoazobenzene	ND	5		µg/L	1	07/01/99
Pentachlorobenzene	ND	5		µg/L	1	07/01/99
Pentachloronitrobenzene	ND	5		µg/L	1	07/01/99
Pentachlorophenol	ND	5		µg/L	1	07/01/99
Phenacetin	ND	5		µg/L	1	07/01/99
Phenanthrene	ND	5		µg/L	1	07/01/99
Phenol	ND	5		µg/L	1	07/01/99
Pyrene	ND	5		µg/L	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-03A

Client Sample ID: 906084-03
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Surr: 2,4,6-Tribromophenol	47.2	10-123		%REC	1	07/01/99
Surr: 2-Fluorobiphenyl	45.2	43-116		%REC	1	07/01/99
Surr: 2-Fluorophenol	26.8	21-100		%REC	1	07/01/99
Surr: 4-Terphenyl-d14	38.4	33-141		%REC	1	07/01/99
Surr: Nitrobenzene-d5	45.8	35-114		%REC	1	07/01/99
Surr: Phenol-d5	17.0	10-94		%REC	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-04A

Client Sample ID: 906084-04
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ALKALINITY		EPA 310.0				Analyst: sld
Alkalinity, Bicarbonate (As CaCO ₃)	160	5		mg/L CaCO ₃	1	06/25/99
Alkalinity, Carbonate (As CaCO ₃)	ND	5		mg/L CaCO ₃	1	06/25/99
CHLORIDE		EPA 325.3				Analyst: sld
Chloride	0.75	0.5		mg/L	1	06/24/99
CONDUCTANCE		EPA 120.1				Analyst: sld
Specific Conductance	382	1		µmhos/cm	1	06/29/99
FLUORIDE		EPA 340.2				Analyst: sld
Fluoride	0.43	0.2		mg/L	1	06/29/99
SULFATE		EPA 375.4				Analyst: sld
Sulfate	ND	5		mg/L	1	06/24/99
TOTAL DISSOLVED SOLIDS		EPA 160.1				Analyst: cms
Total Dissolved Solids (Residue, Filterable)	240	10		mg/L	1	06/29/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-04A

Client Sample ID: 906084-04
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BNA SEMI-VOL ORGANICS, AQUEOUS		SW 8270B				Analyst: keh
1,2,4,5-Tetrachlorobenzene	ND	5		µg/L	1	07/01/99
1,2,4-Trichlorobenzene	ND	5		µg/L	1	07/01/99
1,2-Dichlorobenzene	ND	5		µg/L	1	07/01/99
1,2-Diphenylhydrazine	ND	5		µg/L	1	07/01/99
1,3-Dichlorobenzene	ND	5		µg/L	1	07/01/99
1,4-Dichlorobenzene	ND	5		µg/L	1	07/01/99
2,3,4,6-Tetrachlorophenol	ND	5		µg/L	1	07/01/99
2,4,5-Trichlorophenol	ND	5		µg/L	1	07/01/99
2,4,6-Trichlorophenol	ND	5		µg/L	1	07/01/99
2,4-Dichlorophenol	ND	5		µg/L	1	07/01/99
2,4-Dimethylphenol	ND	5		µg/L	1	07/01/99
2,4-Dinitrophenol	ND	10		µg/L	1	07/01/99
2,4-Dinitrotoluene	ND	5		µg/L	1	07/01/99
2,6-Dichlorophenol	ND	5		µg/L	1	07/01/99
2,6-Dinitrotoluene	ND	5		µg/L	1	07/01/99
2-Chloronaphthalene	ND	5		µg/L	1	07/01/99
2-Chlorophenol	ND	5		µg/L	1	07/01/99
2-Methylnaphthalene	ND	5		µg/L	1	07/01/99
2-Methylphenol	ND	5		µg/L	1	07/01/99
2-Nitroaniline	ND	5		µg/L	1	07/01/99
2-Nitrophenol	ND	5		µg/L	1	07/01/99
2-Picoline	ND	10		µg/L	1	07/01/99
3-Methylcholanthrene	ND	5		µg/L	1	07/01/99
3-Methylphenol	ND	5		µg/L	1	07/01/99
3-Nitroaniline	ND	5		µg/L	1	07/01/99
4,6-Dinitro-2-methylphenol	ND	5		µg/L	1	07/01/99
4-Aminobiphenyl	ND	50		µg/L	1	07/01/99
4-Bromophenyl phenyl ether	ND	5		µg/L	1	07/01/99
4-Chloro-3-methylphenol	ND	5		µg/L	1	07/01/99
4-Chlorophenyl phenyl ether	ND	5		µg/L	1	07/01/99
4-Methylphenol	ND	5		µg/L	1	07/01/99
4-Nitroaniline	ND	5		µg/L	1	07/01/99
4-Nitrophenol	ND	5		µg/L	1	07/01/99
7,12-Dimethylbenz(a)anthracene	ND	5		µg/L	1	07/01/99
Acenaphthene	ND	5		µg/L	1	07/01/99
Acenaphthylene	ND	5		µg/L	1	07/01/99
Acetophenone	ND	5		µg/L	1	07/01/99
Aniline	ND	5		µg/L	1	07/01/99
Anthracene	ND	5		µg/L	1	07/01/99
Benz(a)anthracene	ND	5		µg/L	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-04A

Client Sample ID: 906084-04
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Benzo(a)pyrene	ND	5		µg/L	1	07/01/99
Benzo(b)fluoranthene	ND	5		µg/L	1	07/01/99
Benzo(g,h,i)perylene	ND	5		µg/L	1	07/01/99
Benzo(k)fluoranthene	ND	5		µg/L	1	07/01/99
Benzyl alcohol	ND	5		µg/L	1	07/01/99
Bis(2-chloroethoxy)methane	ND	5		µg/L	1	07/01/99
Bis(2-chloroethyl)ether	ND	5		µg/L	1	07/01/99
Bis(2-chloroisopropyl)ether	ND	5		µg/L	1	07/01/99
Bis(2-ethylhexyl)phthalate	ND	5		µg/L	1	07/01/99
Butyl benzyl phthalate	ND	5		µg/L	1	07/01/99
Chrysene	ND	5		µg/L	1	07/01/99
Di-n-butyl phthalate	ND	5		µg/L	1	07/01/99
Di-n-octyl phthalate	ND	5		µg/L	1	07/01/99
Dibenz(a,h)anthracene	ND	5		µg/L	1	07/01/99
Dibenzofuran	ND	5		µg/L	1	07/01/99
Diethyl phthalate	ND	5		µg/L	1	07/01/99
Dimethyl phthalate	ND	5		µg/L	1	07/01/99
Ethyl methanesulfonate	ND	5		µg/L	1	07/01/99
Fluoranthene	ND	5		µg/L	1	07/01/99
Fluorene	ND	5		µg/L	1	07/01/99
Hexachlorobenzene	ND	5		µg/L	1	07/01/99
Hexachlorobutadiene	ND	5		µg/L	1	07/01/99
Hexachlorocyclopentadiene	ND	5		µg/L	1	07/01/99
Hexachloroethane	ND	5		µg/L	1	07/01/99
Indeno(1,2,3-cd)pyrene	ND	5		µg/L	1	07/01/99
Isophorone	ND	5		µg/L	1	07/01/99
Methyl methanesulfonate	ND	5		µg/L	1	07/01/99
N-Nitroso-di-n-butylamine	ND	5		µg/L	1	07/01/99
N-Nitrosodi-n-propylamine	ND	5		µg/L	1	07/01/99
N-Nitrosodiphenylamine	ND	5		µg/L	1	07/01/99
N-Nitrosopiperidine	ND	5		µg/L	1	07/01/99
Naphthalene	ND	5		µg/L	1	07/01/99
Nitrobenzene	ND	5		µg/L	1	07/01/99
p-Dimethylaminoazobenzene	ND	5		µg/L	1	07/01/99
Pentachlorobenzene	ND	5		µg/L	1	07/01/99
Pentachloronitrobenzene	ND	5		µg/L	1	07/01/99
Pentachlorophenol	ND	5		µg/L	1	07/01/99
Phenacetin	ND	5		µg/L	1	07/01/99
Phenanthrene	ND	5		µg/L	1	07/01/99
Phenol	ND	5		µg/L	1	07/01/99
Pyrene	ND	5		µg/L	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-04A

Client Sample ID: 906084-04
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Surr: 2,4,6-Tribromophenol	55.1	10-123		%REC	1	07/01/99
Surr: 2-Fluorobiphenyl	53.0	43-116		%REC	1	07/01/99
Surr: 2-Fluorophenol	31.1	21-100		%REC	1	07/01/99
Surr: 4-Terphenyl-d14	45.9	33-141		%REC	1	07/01/99
Surr: Nitrobenzene-d5	52.8	35-114		%REC	1	07/01/99
Surr: Phenol-d5	20.0	10-94		%REC	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-05A

Client Sample ID: 906084-05
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ALKALINITY		EPA 310.0				Analyst: sld
Alkalinity, Bicarbonate (As CaCO ₃)	220	5		mg/L CaCO ₃	1	06/25/99
Alkalinity, Carbonate (As CaCO ₃)	ND	5		mg/L CaCO ₃	1	06/25/99
CHLORIDE		EPA 325.3				Analyst: sld
Chloride	1.8	0.5		mg/L	1	06/24/99
CONDUCTANCE		EPA 120.1				Analyst: sld
Specific Conductance	446	1		µmhos/cm	1	06/29/99
FLUORIDE		EPA 340.2				Analyst: sld
Fluoride	ND	0.2		mg/L	1	06/29/99
SULFATE		EPA 375.4				Analyst: sld
Sulfate	37	6.2		mg/L	1.25	06/24/99
TOTAL DISSOLVED SOLIDS		EPA 160.1				Analyst: cms
Total Dissolved Solids (Residue, Filterable)	270	10		mg/L	1	06/29/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-05A

Client Sample ID: 906084-05
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BNA SEMI-VOL ORGANICS, AQUEOUS		SW 8270B				Analyst: keh
1,2,4,5-Tetrachlorobenzene	ND	5		µg/L	1	07/01/99
1,2,4-Trichlorobenzene	ND	5		µg/L	1	07/01/99
1,2-Dichlorobenzene	ND	5		µg/L	1	07/01/99
1,2-Diphenylhydrazine	ND	5		µg/L	1	07/01/99
1,3-Dichlorobenzene	ND	5		µg/L	1	07/01/99
1,4-Dichlorobenzene	ND	5		µg/L	1	07/01/99
2,3,4,6-Tetrachlorophenol	ND	5		µg/L	1	07/01/99
2,4,5-Trichlorophenol	ND	5		µg/L	1	07/01/99
2,4,6-Trichlorophenol	ND	5		µg/L	1	07/01/99
2,4-Dichlorophenol	ND	5		µg/L	1	07/01/99
2,4-Dimethylphenol	ND	5		µg/L	1	07/01/99
2,4-Dinitrophenol	ND	10		µg/L	1	07/01/99
2,4-Dinitrotoluene	ND	5		µg/L	1	07/01/99
2,6-Dichlorophenol	ND	5		µg/L	1	07/01/99
2,6-Dinitrotoluene	ND	5		µg/L	1	07/01/99
2-Chloronaphthalene	ND	5		µg/L	1	07/01/99
2-Chlorophenol	ND	5		µg/L	1	07/01/99
2-Methylnaphthalene	ND	5		µg/L	1	07/01/99
2-Methylphenol	ND	5		µg/L	1	07/01/99
2-Nitroaniline	ND	5		µg/L	1	07/01/99
2-Nitrophenol	ND	5		µg/L	1	07/01/99
2-Picoline	ND	10		µg/L	1	07/01/99
3-Methylcholanthrene	ND	5		µg/L	1	07/01/99
3-Methylphenol	ND	5		µg/L	1	07/01/99
3-Nitroaniline	ND	5		µg/L	1	07/01/99
4,6-Dinitro-2-methylphenol	ND	5		µg/L	1	07/01/99
4-Aminobiphenyl	ND	50		µg/L	1	07/01/99
4-Bromophenyl phenyl ether	ND	5		µg/L	1	07/01/99
4-Chloro-3-methylphenol	ND	5		µg/L	1	07/01/99
4-Chlorophenyl phenyl ether	ND	5		µg/L	1	07/01/99
4-Methylphenol	ND	5		µg/L	1	07/01/99
4-Nitroaniline	ND	5		µg/L	1	07/01/99
4-Nitrophenol	ND	5		µg/L	1	07/01/99
7,12-Dimethylbenz(a)anthracene	ND	5		µg/L	1	07/01/99
Acenaphthene	ND	5		µg/L	1	07/01/99
Acenaphthylene	ND	5		µg/L	1	07/01/99
Acetophenone	ND	5		µg/L	1	07/01/99
Aniline	ND	5		µg/L	1	07/01/99
Anthracene	ND	5		µg/L	1	07/01/99
Benz(a)anthracene	ND	5		µg/L	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-05A

Client Sample ID: 906084-05
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Benzo(a)pyrene	ND	5		µg/L	1	07/01/99
Benzo(b)fluoranthene	ND	5		µg/L	1	07/01/99
Benzo(g,h,i)perylene	ND	5		µg/L	1	07/01/99
Benzo(k)fluoranthene	ND	5		µg/L	1	07/01/99
Benzyl alcohol	ND	5		µg/L	1	07/01/99
Bis(2-chloroethoxy)methane	ND	5		µg/L	1	07/01/99
Bis(2-chloroethyl)ether	ND	5		µg/L	1	07/01/99
Bis(2-chloroisopropyl)ether	ND	5		µg/L	1	07/01/99
Bis(2-ethylhexyl)phthalate	ND	5		µg/L	1	07/01/99
Butyl benzyl phthalate	ND	5		µg/L	1	07/01/99
Chrysene	ND	5		µg/L	1	07/01/99
Di-n-butyl phthalate	ND	5		µg/L	1	07/01/99
Di-n-octyl phthalate	ND	5		µg/L	1	07/01/99
Dibenz(a,h)anthracene	ND	5		µg/L	1	07/01/99
Dibenzofuran	ND	5		µg/L	1	07/01/99
Diethyl phthalate	ND	5		µg/L	1	07/01/99
Dimethyl phthalate	ND	5		µg/L	1	07/01/99
Ethyl methanesulfonate	ND	5		µg/L	1	07/01/99
Fluoranthene	ND	5		µg/L	1	07/01/99
Fluorene	ND	5		µg/L	1	07/01/99
Hexachlorobenzene	ND	5		µg/L	1	07/01/99
Hexachlorobutadiene	ND	5		µg/L	1	07/01/99
Hexachlorocyclopentadiene	ND	5		µg/L	1	07/01/99
Hexachloroethane	ND	5		µg/L	1	07/01/99
Indeno(1,2,3-cd)pyrene	ND	5		µg/L	1	07/01/99
Isophorone	ND	5		µg/L	1	07/01/99
Methyl methanesulfonate	ND	5		µg/L	1	07/01/99
N-Nitroso-di-n-butylamine	ND	5		µg/L	1	07/01/99
N-Nitrosodi-n-propylamine	ND	5		µg/L	1	07/01/99
N-Nitrosodiphenylamine	ND	5		µg/L	1	07/01/99
N-Nitrosopiperidine	ND	5		µg/L	1	07/01/99
Naphthalene	ND	5		µg/L	1	07/01/99
Nitrobenzene	ND	5		µg/L	1	07/01/99
p-Dimethylaminoazobenzene	ND	5		µg/L	1	07/01/99
Pentachlorobenzene	ND	5		µg/L	1	07/01/99
Pentachloronitrobenzene	ND	5		µg/L	1	07/01/99
Pentachlorophenol	ND	5		µg/L	1	07/01/99
Phenacetin	ND	5		µg/L	1	07/01/99
Phenanthrene	ND	5		µg/L	1	07/01/99
Phenol	ND	5		µg/L	1	07/01/99
Pyrene	ND	5		µg/L	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-05A

Client Sample ID: 906084-05
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Surr: 2,4,6-Tribromophenol	48.5	10-123		%REC	1	07/01/99
Surr: 2-Fluorobiphenyl	45.4	43-116		%REC	1	07/01/99
Surr: 2-Fluorophenol	25.0	21-100		%REC	1	07/01/99
Surr: 4-Terphenyl-d14	41.6	33-141		%REC	1	07/01/99
Surr: Nitrobenzene-d5	46.2	35-114		%REC	1	07/01/99
Surr: Phenol-d5	15.6	10-94		%REC	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-06A

Client Sample ID: 906084-06
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ALKALINITY		EPA 310.0				Analyst: sld
Alkalinity, Bicarbonate (As CaCO ₃)	150	5		mg/L CaCO ₃	1	06/25/99
Alkalinity, Carbonate (As CaCO ₃)	ND	5		mg/L CaCO ₃	1	06/25/99
CHLORIDE		EPA 325.3				Analyst: sld
Chloride	4.8	0.5		mg/L	1	06/24/99
CONDUCTANCE		EPA 120.1				Analyst: sld
Specific Conductance	304	1		µmhos/cm	1	06/29/99
FLUORIDE		EPA 340.2				Analyst: sld
Fluoride	ND	0.2		mg/L	1	06/29/99
SULFATE		EPA 375.4				Analyst: sld
Sulfate	11	5		mg/L	1	06/24/99
TOTAL DISSOLVED SOLIDS		EPA 160.1				Analyst: cms
Total Dissolved Solids (Residue, Filterable)	180	10		mg/L	1	06/29/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-06A

Client Sample ID: 906084-06
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BNA SEMI-VOL ORGANICS, AQUEOUS		SW 8270B				Analyst: keh
1,2,4,5-Tetrachlorobenzene	ND	5		µg/L	1	07/01/99
1,2,4-Trichlorobenzene	ND	5		µg/L	1	07/01/99
1,2-Dichlorobenzene	ND	5		µg/L	1	07/01/99
1,2-Diphenylhydrazine	ND	5		µg/L	1	07/01/99
1,3-Dichlorobenzene	ND	5		µg/L	1	07/01/99
1,4-Dichlorobenzene	ND	5		µg/L	1	07/01/99
2,3,4,6-Tetrachlorophenol	ND	5		µg/L	1	07/01/99
2,4,5-Trichlorophenol	ND	5		µg/L	1	07/01/99
2,4,6-Trichlorophenol	ND	5		µg/L	1	07/01/99
2,4-Dichlorophenol	ND	5		µg/L	1	07/01/99
2,4-Dimethylphenol	ND	5		µg/L	1	07/01/99
2,4-Dinitrophenol	ND	10		µg/L	1	07/01/99
2,4-Dinitrotoluene	ND	5		µg/L	1	07/01/99
2,6-Dichlorophenol	ND	5		µg/L	1	07/01/99
2,6-Dinitrotoluene	ND	5		µg/L	1	07/01/99
2-Chloronaphthalene	ND	5		µg/L	1	07/01/99
2-Chlorophenol	ND	5		µg/L	1	07/01/99
2-Methylnaphthalene	ND	5		µg/L	1	07/01/99
2-Methylphenol	ND	5		µg/L	1	07/01/99
2-Nitroaniline	ND	5		µg/L	1	07/01/99
2-Nitrophenol	ND	5		µg/L	1	07/01/99
2-Picoline	ND	10		µg/L	1	07/01/99
3-Methylcholanthrene	ND	5		µg/L	1	07/01/99
3-Methylphenol	ND	5		µg/L	1	07/01/99
3-Nitroaniline	ND	5		µg/L	1	07/01/99
4,6-Dinitro-2-methylphenol	ND	5		µg/L	1	07/01/99
4-Aminobiphenyl	ND	50		µg/L	1	07/01/99
4-Bromophenyl phenyl ether	ND	5		µg/L	1	07/01/99
4-Chloro-3-methylphenol	ND	5		µg/L	1	07/01/99
4-Chlorophenyl phenyl ether	ND	5		µg/L	1	07/01/99
4-Methylphenol	ND	5		µg/L	1	07/01/99
4-Nitroaniline	ND	5		µg/L	1	07/01/99
4-Nitrophenol	ND	5		µg/L	1	07/01/99
7,12-Dimethylbenz(a)anthracene	ND	5		µg/L	1	07/01/99
Acenaphthene	ND	5		µg/L	1	07/01/99
Acenaphthylene	ND	5		µg/L	1	07/01/99
Acetophenone	ND	5		µg/L	1	07/01/99
Aniline	ND	5		µg/L	1	07/01/99
Anthracene	ND	5		µg/L	1	07/01/99
Benz(a)anthracene	ND	5		µg/L	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
 Lab Order: 9906123
 Project: 906084/NMOCD/Vermejo
 Lab ID: 9906123-06A

Client Sample ID: 906084-06
 Tag Number:
 Collection Date: 06/22/99
 Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Benzo(a)pyrene	ND	5		µg/L	1	07/01/99
Benzo(b)fluoranthene	ND	5		µg/L	1	07/01/99
Benzo(g,h,i)perylene	ND	5		µg/L	1	07/01/99
Benzo(k)fluoranthene	ND	5		µg/L	1	07/01/99
Benzyl alcohol	ND	5		µg/L	1	07/01/99
Bis(2-chloroethoxy)methane	ND	5		µg/L	1	07/01/99
Bis(2-chloroethyl)ether	ND	5		µg/L	1	07/01/99
Bis(2-chloroisopropyl)ether	ND	5		µg/L	1	07/01/99
Bis(2-ethylhexyl)phthalate	ND	5		µg/L	1	07/01/99
Butyl benzyl phthalate	ND	5		µg/L	1	07/01/99
Chrysene	ND	5		µg/L	1	07/01/99
Di-n-butyl phthalate	ND	5		µg/L	1	07/01/99
Di-n-octyl phthalate	ND	5		µg/L	1	07/01/99
Dibenz(a,h)anthracene	ND	5		µg/L	1	07/01/99
Dibenzofuran	ND	5		µg/L	1	07/01/99
Diethyl phthalate	ND	5		µg/L	1	07/01/99
Dimethyl phthalate	ND	5		µg/L	1	07/01/99
Ethyl methanesulfonate	ND	5		µg/L	1	07/01/99
Fluoranthene	ND	5		µg/L	1	07/01/99
Fluorene	ND	5		µg/L	1	07/01/99
Hexachlorobenzene	ND	5		µg/L	1	07/01/99
Hexachlorobutadiene	ND	5		µg/L	1	07/01/99
Hexachlorocyclopentadiene	ND	5		µg/L	1	07/01/99
Hexachloroethane	ND	5		µg/L	1	07/01/99
Indeno(1,2,3-cd)pyrene	ND	5		µg/L	1	07/01/99
Isophorone	ND	5		µg/L	1	07/01/99
Methyl methanesulfonate	ND	5		µg/L	1	07/01/99
N-Nitroso-di-n-butylamine	ND	5		µg/L	1	07/01/99
N-Nitrosodi-n-propylamine	ND	5		µg/L	1	07/01/99
N-Nitrosodiphenylamine	ND	5		µg/L	1	07/01/99
N-Nitrosopiperidine	ND	5		µg/L	1	07/01/99
Naphthalene	ND	5		µg/L	1	07/01/99
Nitrobenzene	ND	5		µg/L	1	07/01/99
p-Dimethylaminoazobenzene	ND	5		µg/L	1	07/01/99
Pentachlorobenzene	ND	5		µg/L	1	07/01/99
Pentachloronitrobenzene	ND	5		µg/L	1	07/01/99
Pentachlorophenol	ND	5		µg/L	1	07/01/99
Phenacetin	ND	5		µg/L	1	07/01/99
Phenanthrene	ND	5		µg/L	1	07/01/99
Phenol	ND	5		µg/L	1	07/01/99
Pyrene	ND	5		µg/L	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-06A

Client Sample ID: 906084-06
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Surr: 2,4,6-Tribromophenol	50.4	10-123		%REC	1	07/01/99
Surr: 2-Fluorobiphenyl	51.4	43-116		%REC	1	07/01/99
Surr: 2-Fluorophenol	30.1	21-100		%REC	1	07/01/99
Surr: 4-Terphenyl-d14	44.2	33-141		%REC	1	07/01/99
Surr: Nitrobenzene-d5	50.8	35-114		%REC	1	07/01/99
Surr: Phenol-d5	19.3	10-94		%REC	1	07/01/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-07A

Client Sample ID: 906084-07
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ALKALINITY		EPA 310.0				Analyst: sld
Alkalinity, Bicarbonate (As CaCO ₃)	170	5		mg/L CaCO ₃	1	06/25/99
Alkalinity, Carbonate (As CaCO ₃)	ND	5		mg/L CaCO ₃	1	06/25/99
CHLORIDE		EPA 325.3				Analyst: sld
Chloride	1.5	0.5		mg/L	1	06/24/99
CONDUCTANCE		EPA 120.1				Analyst: sld
Specific Conductance	322	1		µmhos/cm	1	06/29/99
FLUORIDE		EPA 340.2				Analyst: sld
Fluoride	ND	0.2		mg/L	1	06/29/99
SULFATE		EPA 375.4				Analyst: sld
Sulfate	19	5		mg/L	1	06/24/99
TOTAL DISSOLVED SOLIDS		EPA 160.1				Analyst: cms
Total Dissolved Solids (Residue, Filterable)	210	10		mg/L	1	06/29/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Lab Order: 9906123
Project: 906084/NMOCD/Vermejo
Lab ID: 9906123-08A

Client Sample ID: 906084-08
Tag Number:
Collection Date: 06/22/99
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ALKALINITY		EPA 310.0				Analyst: sld
Alkalinity, Bicarbonate (As CaCO ₃)	190	5		mg/L CaCO ₃	1	06/25/99
Alkalinity, Carbonate (As CaCO ₃)	ND	5		mg/L CaCO ₃	1	06/25/99
CHLORIDE		EPA 325.3				Analyst: sld
Chloride	0.5	0.5		mg/L	1	06/24/99
CONDUCTANCE		EPA 120.1				Analyst: sld
Specific Conductance	356	1		µmhos/cm	1	06/29/99
FLUORIDE		EPA 340.2				Analyst: sld
Fluoride	ND	0.2		mg/L	1	06/29/99
SULFATE		EPA 375.4				Analyst: sld
Sulfate	ND	5		mg/L	1	06/24/99
TOTAL DISSOLVED SOLIDS		EPA 160.1				Analyst: cms
Total Dissolved Solids (Residue, Filterable)	220	10		mg/L	1	06/29/99

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
 Work Order: 9906123
 Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT

Method Blank

Sample ID: MBlank	Batch ID: 01 ALK A-6/2	Test Code: Alkalinity	Units: mg/L CaCO3	Analysis Date: 06/25/99	Prep Date:						
Client ID:	9906123	Run ID: NO INST_990625A		SeqNo: 15620							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	5									
Alkalinity, Carbonate (As CaCO3)	ND	5									
Alkalinity, Total (As CaCO3)	ND	5									
Sample ID: MBlank	Batch ID: 01 CL A-6/24/	Test Code: Chloride	Units: mg/L	Analysis Date: 06/24/99	Prep Date:						
Client ID:	9906123	Run ID: NO INST_990624A		SeqNo: 15463							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.5									
Sample ID: MBlank	Batch ID: 01 COND-6/3	Test Code: E120.1	Units: µmhos/cm	Analysis Date: 06/29/99	Prep Date:						
Client ID:	9906123	Run ID: NO INST_990629B		SeqNo: 16015							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductance	ND	1									
Sample ID: MBlank	Batch ID: 01 FL A-6/30/	Test Code: fluoride	Units: mg/L	Analysis Date: 06/29/99	Prep Date:						
Client ID:	9906123	Run ID: NO INST_990629C		SeqNo: 16037							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	ND	0.2									
Sample ID: MBlank	Batch ID: 01 SULFATE	Test Code: Sulfate	Units: mg/L	Analysis Date: 06/24/99	Prep Date:						
Client ID:	9906123	Run ID: HIT MAN_990624A		SeqNo: 15483							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	ND	5									

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Pinnacle Laboratories
Work Order: 9906123
Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT

Method Blank

Sample ID: MBlank	Batch ID: 01 TDS-7/8/99	Test Code: E160.1	Units: mg/L	Analysis Date 06/29/99	Prep Date:						
Client ID:	9906123	Run ID: NO INST_990629G	SeqNo: 16731								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	ND	10									

Sample ID: MBlank	Batch ID: 01 TDS-7/8/99	Test Code: E160.1	Units: mg/L	Analysis Date 07/07/99	Prep Date:						
Client ID:	9906123	Run ID: NO INST_990707C	SeqNo: 16789								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	ND	10									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Pinnacle Laboratories
Work Order: 9906123
Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT

Method Blank

Sample ID: MB-565		Batch ID: 565		Test Code: SW8270B		Units: µg/L		Analysis Date 06/30/99		Prep Date: 06/24/99	
Client ID:		9906123		Run ID: MANFREDD_990630A		SeqNo: 16334					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4,5-Tetrachlorobenzene	ND	5									
1,2,4-Trichlorobenzene	ND	5									
1,2-Dichlorobenzene	ND	5									
1,2-Diphenylhydrazine	ND	5									
1,3-Dichlorobenzene	ND	5									
1,4-Dichlorobenzene	ND	5									
2,3,4,6-Tetrachlorophenol	ND	5									
2,4,5-Trichlorophenol	ND	5									
2,4,6-Trichlorophenol	ND	5									
2,4-Dichlorophenol	ND	5									
2,4-Dimethylphenol	ND	5									
2,4-Dinitrophenol	ND	10									
2,4-Dinitrotoluene	ND	5									
2,6-Dichlorophenol	ND	5									
2,6-Dinitrotoluene	ND	5									
2-Chloronaphthalene	ND	5									
2-Chlorophenol	ND	5									
2-Methylnaphthalene	ND	5									
2-Methylphenol	ND	5									
2-Nitroaniline	ND	5									
2-Nitrophenol	ND	5									
2-Picoline	ND	10									
3-Methylcholanthrene	ND	5									
3-Methylphenol	ND	5									
3-Nitroaniline	ND	5									
4,6-Dinitro-2-methylphenol	ND	5									
4-Aminobiphenyl	ND	50									
4-Bromophenyl phenyl ether	ND	5									
4-Chloro-3-methylphenol	ND	5									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Pinnacle Laboratories
Work Order: 9906123
Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT

Method Blank

4-Chlorophenyl phenyl ether	ND	5
4-Methylphenol	ND	5
4-Nitroaniline	ND	5
4-Nitrophenol	ND	5
7,12-Dimethylbenz(a)anthracene	ND	5
Acenaphthene	ND	5
Acenaphthylene	ND	5
Acetophenone	ND	5
Aniline	ND	5
Anthracene	ND	5
Benz(a)anthracene	ND	5
Benzo(a)pyrene	ND	5
Benzo(b)fluoranthene	ND	5
Benzo(g,h,i)perylene	ND	5
Benzo(k)fluoranthene	ND	5
Benzyl alcohol	ND	5
Bis(2-chloroethoxy)methane	ND	5
Bis(2-chloroethyl)ether	ND	5
Bis(2-chloroisopropyl)ether	ND	5
Bis(2-ethylhexyl)phthalate	ND	5
Butyl benzyl phthalate	ND	5
Chrysene	ND	5
Di-n-butyl phthalate	ND	5
Di-n-octyl phthalate	ND	5
Dibenz(a,h)anthracene	ND	5
Dibenzofuran	ND	5
Diethyl phthalate	ND	5
Dimethyl phthalate	ND	5
Ethyl methanesulfonate	ND	5
Fluoranthene	ND	5
Fluorene	ND	5
Hexachlorobenzene	ND	5
Hexachlorobutadiene	ND	5

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Pinnacle Laboratories
Work Order: 9906123
Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT

Method Blank

Hexachlorocyclopentadiene	ND	5
Hexachloroethane	ND	5
Indeno(1,2,3-cd)pyrene	ND	5
Isophorone	ND	5
Methyl methanesulfonate	ND	5
N-Nitroso-di-n-butylamine	ND	5
N-Nitrosodi-n-propylamine	ND	5
N-Nitrosodiphenylamine	ND	5
N-Nitrosopiperidine	ND	5
Naphthalene	ND	5
Nitrobenzene	ND	5
p-Dimethylaminoazobenzene	ND	5
Pentachlorobenzene	ND	5
Pentachloronitrobenzene	ND	5
Pentachlorophenol	ND	5
Phenacetin	ND	5
Phenanthrene	ND	5
Phenol	ND	5
Pyrene	ND	5

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
 Work Order: 9906123
 Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9906123-04A DUP		Batch ID: 01 ALK A-6/2		Test Code: Alkalinity		Units: mg/L CaCO3		Analysis Date 06/25/99		Prep Date:		
Client ID: 906084-04		9906123		Run ID: NO INST_990625A				SeqNo: 15627				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)		190	5	0	0	0.0%	0	0	160	17.1%	20	
Alkalinity, Carbonate (As CaCO3)		ND	5	0	0	0.0%	0	0	0	0.0%	20	

Sample ID: 9906123-08A DUP		Batch ID: 01 CL A-6/24/		Test Code: Chloride		Units: mg/L		Analysis Date 06/24/99		Prep Date:		
Client ID: 906084-08		9906123		Run ID: NO INST_990624A				SeqNo: 15474				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		.75	0.5	0	0	0.0%	0	0	0.5	40.0%	20	R,T

Sample ID: 9906123-01A DUP		Batch ID: 01 COND-6/3		Test Code: E120.1		Units: µmhos/cm		Analysis Date 06/29/99		Prep Date:		
Client ID: 906084-01		9906123		Run ID: NO INST_990629B				SeqNo: 16018				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductance		316	1	0	0	0.0%	0	0	322	1.9%	20	

Sample ID: 9906123-08A DUP		Batch ID: 01 FL A-6/30/		Test Code: fluoride		Units: mg/L		Analysis Date 06/29/99		Prep Date:		
Client ID: 906084-08		9906123		Run ID: NO INST_990629C				SeqNo: 16048				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride		ND	0.2	0	0	0.0%	0	0	0	0.0%	20	

Sample ID: 9906123-03A DUP		Batch ID: 01 SULFATE		Test Code: Sulfate		Units: mg/L		Analysis Date 06/24/99		Prep Date:		
Client ID: 906084-03		9906123		Run ID: HIT MAN_990624A				SeqNo: 15490				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate		ND	5	0	0	0.0%	80	120	0	0.0%	20	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Pinnacle Laboratories
Work Order: 9906123
Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9906123-01A DUP		Batch ID: 01 TDS-7/8/99		Test Code: E160.1		Units: mg/L		Analysis Date 06/29/99		Prep Date:	
Client ID: 906084-01		9906123		Run ID: NO INST_990629G				SeqNo: 16734			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	200	10	0	0	0.0%	0	0	210	4.9%	20	

Sample ID: 9907014-01A DUP		Batch ID: 01 TDS-7/8/99		Test Code: E160.1		Units: mg/L		Analysis Date 07/07/99		Prep Date:	
Client ID:		9906123		Run ID: NO INST_990707C				SeqNo: 16793			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	150	10	0	0	0.0%	0	0	130	14.3%	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
 Work Order: 9906123
 Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9906123-08A MS	Batch ID: 01 CL A-6/24/	Test Code: Chloride	Units: mg/L	Analysis Date 06/24/99	Prep Date:						
Client ID: 906084-08	9906123	Run ID: NO INST_990624A		SeqNo: 15475							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	5.25	0.5	5	0.5	95.0%	75	125	0			
Sample ID: 9906123-08A MSD	Batch ID: 01 CL A-6/24/	Test Code: Chloride	Units: mg/L	Analysis Date 06/24/99	Prep Date:						
Client ID: 906084-08	9906123	Run ID: NO INST_990624A		SeqNo: 15476							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	5.5	0.5	5	0.5	100.0%	75	125	5.25	4.7%	20	
Sample ID: 9906123-08A MS	Batch ID: 01 FL A-6/30/	Test Code: fluoride	Units: mg/L	Analysis Date 06/29/99	Prep Date:						
Client ID: 906084-08	9906123	Run ID: NO INST_990629C		SeqNo: 16049							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	6.6	0.2	6	0	110.0%	75	125	0			
Sample ID: 9906123-08A MSD	Batch ID: 01 FL A-6/30/	Test Code: fluoride	Units: mg/L	Analysis Date 06/29/99	Prep Date:						
Client ID: 906084-08	9906123	Run ID: NO INST_990629C		SeqNo: 16050							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	5.3	0.2	6	0	88.3%	75	125	6.6	21.8%	20	R
Sample ID: 9906123-03A MS	Batch ID: 01 SULFATE	Test Code: Sulfate	Units: mg/L	Analysis Date 06/24/99	Prep Date:						
Client ID: 906084-03	9906123	Run ID: HIT MAN_990624A		SeqNo: 15491							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	840	5	800	0	105.0%	75	125	0			

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Pinnacle Laboratories
Work Order: 9906123
Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: 9906123-03A MSD	Batch ID: 01 SULFATE	Test Code: Sulfate	Units: mg/L	Analysis Date 06/24/99	Prep Date:						
Client ID: 906084-03	9906123	Run ID: HIT MAN_990624A		SeqNo: 15492							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	822	5	800	0	102.8%	75	125	840	2.2%	20	

Qualifiers: ND - Not Detected at the Reporting Limit
I - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
 Work Order: 9906123
 Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS	Batch ID: 01 ALK A-6/2	Test Code: Alkalinity	Units: mg/L CaCO3	Analysis Date 06/25/99	Prep Date:						
Client ID:	9906123	Run ID: NO INST_990625A		SeqNo: 15621							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	225	5	211	0	106.6%	85	115	0			
Sample ID: LCS	Batch ID: 01 CL A-6/24/	Test Code: Chloride	Units: mg/L	Analysis Date 06/24/99	Prep Date:						
Client ID:	9906123	Run ID: NO INST_990624A		SeqNo: 15464							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	9.75	0.5	10	0	97.5%	85	115	0			
Sample ID: LCS	Batch ID: 01 COND-6/3	Test Code: E120.1	Units: µmhos/cm	Analysis Date 06/29/99	Prep Date:						
Client ID:	9906123	Run ID: NO INST_990629B		SeqNo: 16016							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductance	1150	1	1001	0	114.9%	85	115	0			
Sample ID: LCS	Batch ID: 01 FL A-6/30/	Test Code: fluoride	Units: mg/L	Analysis Date 06/29/99	Prep Date:						
Client ID:	9906123	Run ID: NO INST_990629C		SeqNo: 16038							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	7.1	0.2	8	0	88.8%	85	115	0			
Sample ID: LCS	Batch ID: 01 SULFATE	Test Code: Sulfate	Units: mg/L	Analysis Date 06/24/99	Prep Date:						
Client ID:	9906123	Run ID: HIT MAN_990624A		SeqNo: 15484							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	6.98	5	8	0	87.3%	85	115	0			

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Pinnacle Laboratories
Work Order: 9906123
Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS	Batch ID: 01 TDS-7/8/99	Test Code: E160.1	Units: mg/L	Analysis Date 06/29/99					Prep Date:		
Client ID:	9906123	Run ID:	NO INST_990629G			SeqNo:		16732			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	600	10	621	0	96.6%	85	115	0			

Sample ID: LCS	Batch ID: 01 TDS-7/8/99	Test Code: E160.1	Units: mg/L	Analysis Date 07/07/99					Prep Date:		
Client ID:	9906123	Run ID:	NO INST_990707C		SeqNo:		16790				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	564	10	621	0	90.8%	85	115	0			

Sample ID: LCS-565	Batch ID: 565	Test Code: SW8270B	Units: µg/L			Analysis Date 06/30/99			Prep Date: 06/24/99		
Client ID:	9906123	Run ID:	MANFREDD_990630A			SeqNo: 16336					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	22.7	5	50	0	45.4%	44	142	0			
1,4-Dichlorobenzene	23.5	5	50	0	47.0%	20	124	0			
2,4-Dinitrotoluene	28.2	5	50	0	56.4%	39	139	0			
2-Chlorophenol	44.8	5	100	0	44.8%	23	134	0			
4-Chloro-3-methylphenol	48.2	5	100	0	48.2%	22	147	0			
4-Nitrophenol	12.4	5	100	0	12.4%	1	132	0			
Acenaphthene	25.6	5	50	0	51.2%	47	145	0			
N-Nitrosodi-n-propylamine	26.1	5	50	0	52.2%	1	230	0			
Pentachlorophenol	45.6	5	100	0	45.6%	14	176	0			
Phenol	18.3	5	100	0	18.3%	5	112	0			
Pyrene	28.7	5	50	0	57.4%	52	115	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

CLIENT: Pinnacle Laboratories
Work Order: 9906123
Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate

Sample ID: LCSD-565		Batch ID: 565	Test Code: SW8270B		Units: µg/L	Analysis Date 06/30/99			Prep Date: 06/24/99		
Client ID:		9906123	Run ID: MANFREDD_990630A			SeqNo: 16337					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	22.2	5	50	0	44.4%	44	142	22.7	2.2%	28	
1,4-Dichlorobenzene	22.5	5	50	0	45.0%	20	124	23.5	4.3%	32	
2,4-Dinitrotoluene	32.1	5	50	0	64.2%	39	139	28.2	12.9%	22	
2-Chlorophenol	45.1	5	100	0	45.1%	23	134	44.8	0.7%	29	
4-Chloro-3-methylphenol	55.5	5	100	0	55.5%	22	147	48.2	14.1%	37	
4-Nitrophenol	19.4	5	100	0	19.4%	1	132	12.4	44.0%	47	
Acenaphthene	26.3	5	50	0	52.6%	47	145	25.6	2.7%	28	
N-Nitrosodi-n-propylamine	28	5	50	0	56.0%	1	230	26.1	7.0%	55	
Pentachlorophenol	55.5	5	100	0	55.5%	14	176	45.6	19.6%	49	
Phenol	20.7	5	100	0	20.7%	5	112	18.3	12.3%	23	
Pyrene	28.2	5	50	0	56.4%	52	115	28.7	1.8%	25	

Qualifiers: ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits	B - Analyte detected in the associated Method Blank
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Environmental Services Laboratory

Date: 08-Jul-99

CLIENT: Pinnacle Laboratories
Work Order: 9906123
Project: 906084/NMOCD/Vermejo

QC SUMMARY REPORT
Continuing Calibration Verification Standard

Sample ID: CCV	Batch ID: 565	Test Code: SW8270B	Units: µg/L	Analysis Date: 07/01/99	Prep Date:						
Client ID:	9906123	Run ID: MANFREDD_990701A	SeqNo: 16397								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	48.8	5	50	0	97.6%	80	120	0			
2,4,6-Trichlorophenol	51.9	5	50	0	103.8%	80	120	0			
2,4-Dichlorophenol	50.4	5	50	0	100.8%	80	120	0			
2-Nitrophenol	49.7	5	50	0	99.4%	80	120	0			
4-Chloro-3-methylphenol	49.6	5	50	0	99.2%	80	120	0			
Acenaphthene	47.6	5	50	0	95.2%	80	120	0			
Benzo(a)pyrene	49.1	5	50	0	98.2%	80	120	0			
Di-n-octyl phthalate	52.8	5	50	0	105.6%	80	120	0			
Fluoranthene	50.7	5	50	0	101.4%	80	120	0			
Hexachlorobutadiene	49.5	5	50	0	99.0%	80	120	0			
N-Nitrosodiphenylamine	47	5	50	0	94.0%	80	120	0			
Pentachlorophenol	53.6	5	50	0	107.2%	80	120	0			
Phenol	48.7	5	50	0	97.4%	80	120	0			
2,4,6-Tribromophenol	52.2	5	50	0	104.4%	80	120	0			
2-Fluorobiphenyl	47.9	5	50	0	95.8%	80	120	0			
2-Fluorophenol	48.5	5	50	0	97.0%	80	120	0			
4-Terphenyl-d14	42	5	50	0	84.0%	80	120	0			
Nitrobenzene-d5	48.4	5	50	0	96.8%	80	120	0			
Phenol-d5	48.9	5	50	0	97.8%	80	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Pinnacle
Laboratories

Network Project Manager: Kimberly D. McNeill

ANALYSIS REQUEST

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, New Mexico 87107
(505) 344-3777 Fax (505) 344-4413

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	RCRA TCLP METALS	Metals-13 PP List	Metals-TAL	TOX	TOC	Gen Chemistry: Cl, F, SO4, TDs	Bicarb Carb., Conductivity	Oil and Grease	Volatile Organics GC/MS (8260)	BOD	COD	PESTICIDES/PCB (608/8080)	8270 BY GC/MS	PNA (8310)	8240 (TCLP 1311) ZHE	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	URANIUM	RADIUM 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
906084-01	6/22	0915	AG								X	X						X									
-02		1040									X	X						X									
-03		1100									X	X						X									
-04		1300									X	X						X									
-05		1400									X	X						X									
-06		1450									X	X						X									
-07		1510									X	X						X									
-08	↓	1145	↓								X	X						X									

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY: 1.		RELINQUISHED BY: 2.		
PROJECT #:	906084	Total Number of Containers		PENSACOLA - STL-FL		Signature:	Time:	Signature:	Time:	
PROJ. NAME:	NMOC	Chain of Custody Seals		PORTLAND - ESL-OR	X	Francine Torino 1700				
QC LEVEL:	STD. IV	Received Intact?		STL - CT		Printed Name:	Date:	Printed Name:	Date:	
QC REQUIRED:	MS MSD BLANK	Received Good Cond./Cold		STL- NEW JERSEY		Francine Torino 6/23/99				
TAT:	STANDARD RUSH!!	LAB NUMBER:	9906123	N. CREEK		Pinnacle Laboratories, Inc.		Company		
				BARRINGER		RECEIVED BY: 1.		RECEIVED BY: 2		
DUE DATE:	7/7	COMMENTS:		SEQUOIA		Signature:	Time:	Signature:	Time:	
RUSH SURCHARGE:	-					Kimberly D. McNeill 10A				
CLIENT DISCOUNT:	-					Printed Name:	Date:	Printed Name:	Date:	
SPECIAL CERTIFICATION REQUIRED:	YES (NO)					Company		Company		

CHAIN OF CUSTODY

DATE: _____ PAGE: ____ OF ____

PLI Accession #:

SSION #:
906084

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

[illegible]

PROJECT INFORMATION		PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS		RELINQUISHED BY: 1.		RELINQUISHED BY: 2.	
PROJ. NO.:		(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) ☒		Signature: <i>[Signature]</i> Time: 1305		Signature: Time:	
PROJ. NAME: <i>Vermejo</i>		CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER		Printed Name: Date: 6/23/99		Printed Name: Date:	
P.O. NO.:		METHANOL PRESERVATION ☐		Company: <i>NM DCD</i>		Company:	
SHIPPED VIA:		COMMENTS: FIXED FEE ☐		See reverse side (Force Majeure)			
SAMPLE RECEIPT				RECEIVED BY: 1.		RECEIVED BY: (LAB) 2.	
NO. CONTAINERS	<i>49</i>			Signature: Time:		Signature: Time: 1305	
CUSTODY SEALS	<i>Y/N/NA</i>			Printed Name: Date:		Printed Name: Date: 6/23/99	
RECEIVED INTACT	<i>Y</i>			Company:		<i>Pinnacle Laboratories Inc.</i>	
BLUE ICE	<i>20</i>						