



# Del Mar Analytical

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 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Environ-Irvine  
 2010 Main Street, 9th Floor  
 Irvine, CA 92614  
 Attention: Bitu Tabatabai

Project ID: Valley Alhambra  
 04-9065A  
 Report Number: IKF0951

Sampled: 06/22/01  
 Received: 06/22/01

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0951-06 (SB2-5-5.5 - Soil)								
Styrene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Tetrachloroethene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Toluene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
1,2,3-Trichlorobenzene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
1,2,4-Trichlorobenzene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
1,1,1-Trichloroethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
1,1,2-Trichloroethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Trichloroethene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Trichlorofluoromethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
1,2,3-Trichloropropane	EPA 8260B	I1F2825	10	ND	1	6/28/01	6/28/01	
1,2,4-Trimethylbenzene	EPA 8260B	I1F2825	2.0	2.4	1	6/28/01	6/28/01	
1,3,5-Trimethylbenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Vinyl chloride	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
o-Xylene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
m,p-Xylenes	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Surrogate: Dibromofluoromethane (85-125%)								106 %
Surrogate: Toluene-d8 (80-120%)								103 %
Surrogate: 4-Bromofluorobenzene (80-120%)								104 %

Del Mar Analytical, Irvine  
 Patty Mata  
 Project Manager

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## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0951-07 (SB2-9.2-9.7 - Soil)								
Benzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Bromobenzene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
Bromochloromethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
Bromodichloromethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Bromoform	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
Bromomethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
n-Butylbenzene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
sec-Butylbenzene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
tert-Butylbenzene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
Carbon tetrachloride	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
Chlorobenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Chloroethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
Chloroform	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Chloromethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
2-Chlorotoluene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
4-Chlorotoluene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
Dibromochloromethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
1,2-Dibromoethane (EDB)	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Dibromomethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
1,2-Dichlorobenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
1,3-Dichlorobenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
1,4-Dichlorobenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Dichlorodifluoromethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
1,1-Dichloroethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
1,2-Dichloroethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
1,1-Dichloroethene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
cis-1,2-Dichloroethene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
trans-1,2-Dichloroethene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
1,2-Dichloropropane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
1,3-Dichloropropane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
2,2-Dichloropropane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
1,1-Dichloropropene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
cis-1,3-Dichloropropene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
trans-1,3-Dichloropropene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Ethylbenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Hexachlorobutadiene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
Isopropylbenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
p-Isopropyltoluene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	
Methylene chloride	EPA 8260B	I1F2825	20	ND	1	6/28/01	6/28/01	
Naphthalene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/28/01	
n-Propylbenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/28/01	

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## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0951-07 (SB2-9.2-9.7 - Soil)								
Styrene	EPA 8260B	11F2825	2.0	ND	1	6/28/01	6/28/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F2825	5.0	ND	1	6/28/01	6/28/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F2825	2.0	ND	1	6/28/01	6/28/01	
Tetrachloroethene	EPA 8260B	11F2825	2.0	4.9	1	6/28/01	6/28/01	
Toluene	EPA 8260B	11F2825	2.0	ND	1	6/28/01	6/28/01	
1,2,3-Trichlorobenzene	EPA 8260B	11F2825	5.0	ND	1	6/28/01	6/28/01	
1,2,4-Trichlorobenzene	EPA 8260B	11F2825	5.0	ND	1	6/28/01	6/28/01	
1,1,1-Trichloroethane	EPA 8260B	11F2825	2.0	ND	1	6/28/01	6/28/01	
1,1,2-Trichloroethane	EPA 8260B	11F2825	2.0	ND	1	6/28/01	6/28/01	
Trichloroethene	EPA 8260B	11F2825	2.0	ND	1	6/28/01	6/28/01	
Trichlorofluoromethane	EPA 8260B	11F2825	5.0	ND	1	6/28/01	6/28/01	
1,2,3-Trichloropropane	EPA 8260B	11F2825	10	ND	1	6/28/01	6/28/01	
1,2,4-Trimethylbenzene	EPA 8260B	11F2825	2.0	ND	1	6/28/01	6/28/01	
1,3,5-Trimethylbenzene	EPA 8260B	11F2825	2.0	ND	1	6/28/01	6/28/01	
Vinyl chloride	EPA 8260B	11F2825	5.0	ND	1	6/28/01	6/28/01	
o-Xylene	EPA 8260B	11F2825	2.0	ND	1	6/28/01	6/28/01	
m,p-Xylenes	EPA 8260B	11F2825	2.0	ND	1	6/28/01	6/28/01	
Surrogate: Dibromofluoromethane (85-125%)				109 %				
Surrogate: Toluene-d8 (80-120%)				103 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				101 %				

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## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0951-08 (SB2-14-14.5 - Soil)								
Benzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
Bromobenzene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
Bromochloromethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
Bromodichloromethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
Bromoform	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
Bromomethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
n-Butylbenzene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
sec-Butylbenzene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
tert-Butylbenzene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
Carbon tetrachloride	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
Chlorobenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
Chloroethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
Chloroform	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
Chloromethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
2-Chlorotoluene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
4-Chlorotoluene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
Dibromochloromethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
1,2-Dibromoethane (EDB)	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
Dibromomethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
1,2-Dichlorobenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
1,3-Dichlorobenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
1,4-Dichlorobenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
Dichlorodifluoromethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
1,1-Dichloroethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
1,2-Dichloroethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
1,1-Dichloroethene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
cis-1,2-Dichloroethene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
trans-1,2-Dichloroethene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
1,2-Dichloropropane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
1,3-Dichloropropane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
2,2-Dichloropropane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
1,1-Dichloropropene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
cis-1,3-Dichloropropene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
trans-1,3-Dichloropropene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
Ethylbenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
Hexachlorobutadiene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
Isopropylbenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
p-Isopropyltoluene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
Methylene chloride	EPA 8260B	I1F2825	20	ND	1	6/28/01	6/29/01	
Naphthalene	EPA 8260B	I1F2825	5.0	7.9	1	6/28/01	6/29/01	
n-Propylbenzene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	

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**VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)**

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
				ug/kg	ug/kg			
Sample ID: IKF0951-08 (SB2-14-14.5 - Soil)								
Styrene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
Tetrachloroethene	EPA 8260B	I1F2825	2.0	21	1	6/28/01	6/29/01	
Toluene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
1,2,3-Trichlorobenzene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
1,2,4-Trichlorobenzene	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
1,1,1-Trichloroethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
1,1,2-Trichloroethane	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
Trichloroethene	EPA 8260B	I1F2825	2.0	ND	1	6/28/01	6/29/01	
Trichlorofluoromethane	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
1,2,3-Trichloropropane	EPA 8260B	I1F2825	10	ND	1	6/28/01	6/29/01	
1,2,4-Trimethylbenzene	EPA 8260B	I1F2825	2.0	23	1	6/28/01	6/29/01	
1,3,5-Trimethylbenzene	EPA 8260B	I1F2825	2.0	7.6	1	6/28/01	6/29/01	
Vinyl chloride	EPA 8260B	I1F2825	5.0	ND	1	6/28/01	6/29/01	
o-Xylene	EPA 8260B	I1F2825	2.0	5.0	1	6/28/01	6/29/01	
m,p-Xylenes	EPA 8260B	I1F2825	2.0	12	1	6/28/01	6/29/01	
Surrogate: Dibromofluoromethane (85-125%)						108 %		
Surrogate: Toluene-d8 (80-120%)						102 %		
Surrogate: 4-Bromofluorobenzene (80-120%)						100 %		

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Environ-Irvine 2010 Main Street, 9th Floor Irvine, CA 92614 Attention: Bitu Tabatabai	Project ID: Valley Alhambra 04-9065A Report Number: IKF0951	Sampled: 06/22/01 Received: 06/22/01
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### METALS

Analyte	Method	Batch	Reporting Limit mg/kg	Sample Result mg/kg	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IKF0951-01 (SB1-2-2.5 - Soil)								
Antimony	EPA 6010B	I1F2642	10	ND	1	6/26/01	6/26/01	
Arsenic	EPA 6010B	I1F2642	2.0	ND	1	6/26/01	6/26/01	
Barium	EPA 6010B	I1F2642	1.0	36	1	6/26/01	6/26/01	
Beryllium	EPA 6010B	I1F2642	0.50	ND	1	6/26/01	6/26/01	
Cadmium	EPA 6010B	I1F2642	0.50	1.4	1	6/26/01	6/26/01	
Chromium	EPA 6010B	I1F2642	1.0	6.7	1	6/26/01	6/26/01	
Cobalt	EPA 6010B	I1F2642	1.0	3.3	1	6/26/01	6/26/01	
Copper	EPA 6010B	I1F2642	1.0	7.8	1	6/26/01	6/26/01	
Lead	EPA 6010B	I1F2642	2.0	4.0	1	6/26/01	6/26/01	
Mercury	EPA 7471A	I1F2635	0.020	0.19	1	6/26/01	6/26/01	
Molybdenum	EPA 6010B	I1F2642	2.0	ND	1	6/26/01	6/26/01	
Nickel	EPA 6010B	I1F2642	1.0	3.8	1	6/26/01	6/26/01	
Selenium	EPA 6010B	I1F2642	2.0	2.6	1	6/26/01	6/26/01	
Silver	EPA 6010B	I1F2642	1.0	ND	1	6/26/01	6/26/01	
Thallium	EPA 6010B	I1F2642	10	ND	1	6/26/01	6/26/01	
Titanium	EPA 6010B	I1F2642	2.0	340	1	6/26/01	6/26/01	
Vanadium	EPA 6010B	I1F2642	1.0	19	1	6/26/01	6/26/01	
Zinc	EPA 6010B	I1F2642	5.0	23	1	6/26/01	6/26/01	
Sample ID: IKF0951-05 (SB2-2-2.5 - Soil)								
Antimony	EPA 6010B	I1F2642	10	ND	1	6/26/01	6/26/01	
Arsenic	EPA 6010B	I1F2642	2.0	ND	1	6/26/01	6/26/01	
Barium	EPA 6010B	I1F2642	1.0	56	1	6/26/01	6/26/01	
Beryllium	EPA 6010B	I1F2642	0.50	ND	1	6/26/01	6/26/01	
Cadmium	EPA 6010B	I1F2642	0.50	2.2	1	6/26/01	6/26/01	
Chromium	EPA 6010B	I1F2642	1.0	12	1	6/26/01	6/26/01	
Cobalt	EPA 6010B	I1F2642	1.0	4.2	1	6/26/01	6/26/01	
Copper	EPA 6010B	I1F2642	1.0	10	1	6/26/01	6/26/01	
Lead	EPA 6010B	I1F2642	2.0	5.5	1	6/26/01	6/26/01	
Mercury	EPA 7471A	I1F2635	0.020	0.20	1	6/26/01	6/26/01	
Molybdenum	EPA 6010B	I1F2642	2.0	ND	1	6/26/01	6/26/01	
Nickel	EPA 6010B	I1F2642	1.0	5.5	1	6/26/01	6/26/01	
Selenium	EPA 6010B	I1F2642	2.0	3.3	1	6/26/01	6/26/01	
Silver	EPA 6010B	I1F2642	1.0	ND	1	6/26/01	6/26/01	
Thallium	EPA 6010B	I1F2642	10	ND	1	6/26/01	6/26/01	
Titanium	EPA 6010B	I1F2642	2.0	440	1	6/26/01	6/26/01	
Vanadium	EPA 6010B	I1F2642	1.0	25	1	6/26/01	6/26/01	
Zinc	EPA 6010B	I1F2642	5.0	28	1	6/26/01	6/26/01	

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Environ-Irvine  
 2010 Main Street, 9th Floor  
 Irvine, CA 92614  
 Attention: Bitu Tabatabai

Project ID: Valley Alhambra  
 04-9065A  
 Report Number: IKF0951

Sampled: 06/22/01  
 Received: 06/22/01

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 11F2825 Extracted: 06/28/01</b>									
<b>Blank Analyzed: 06/28/01 (11F2825-BLK1)</b>									
Benzene	ND	2.0	ug/kg						
Bromobenzene	ND	5.0	ug/kg						
Bromochloromethane	ND	5.0	ug/kg						
Bromodichloromethane	ND	2.0	ug/kg						
Bromoform	ND	5.0	ug/kg						
Bromomethane	ND	5.0	ug/kg						
n-Butylbenzene	ND	5.0	ug/kg						
sec-Butylbenzene	ND	5.0	ug/kg						
tert-Butylbenzene	ND	5.0	ug/kg						
Carbon tetrachloride	ND	5.0	ug/kg						
Chlorobenzene	ND	2.0	ug/kg						
Chloroethane	ND	5.0	ug/kg						
Chloroform	ND	2.0	ug/kg						
Chloromethane	ND	5.0	ug/kg						
2-Chlorotoluene	ND	5.0	ug/kg						
4-Chlorotoluene	ND	5.0	ug/kg						
Dibromochloromethane	ND	2.0	ug/kg						
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg						
1,2-Dibromoethane (EDB)	ND	2.0	ug/kg						
Dibromomethane	ND	2.0	ug/kg						
1,2-Dichlorobenzene	ND	2.0	ug/kg						
1,3-Dichlorobenzene	ND	2.0	ug/kg						
1,4-Dichlorobenzene	ND	2.0	ug/kg						
Dichlorodifluoromethane	ND	5.0	ug/kg						
1,1-Dichloroethane	ND	2.0	ug/kg						
1,2-Dichloroethane	ND	2.0	ug/kg						
1,1-Dichloroethene	ND	5.0	ug/kg						
cis-1,2-Dichloroethene	ND	2.0	ug/kg						
trans-1,2-Dichloroethene	ND	2.0	ug/kg						
1,2-Dichloropropane	ND	2.0	ug/kg						
1,3-Dichloropropane	ND	2.0	ug/kg						
2,2-Dichloropropane	ND	2.0	ug/kg						
1,1-Dichloropropene	ND	2.0	ug/kg						
cis-1,3-Dichloropropene	ND	2.0	ug/kg						
trans-1,3-Dichloropropene	ND	2.0	ug/kg						
Ethylbenzene	ND	2.0	ug/kg						

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 Attention: Bitu Tabatabai

Project ID: Valley Alhambra  
 04-9065A  
 Report Number: IKF0951

Sampled: 06/22/01  
 Received: 06/22/01

**METHOD BLANK/QC DATA**

**VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	Data Qualifiers
<b>Batch: 11F2825 Extracted: 06/28/01</b>								
<b>Blank Analyzed: 06/28/01 (11F2825-BLK1)</b>								
Hexachlorobutadiene	ND	5.0	ug/kg					
Isopropylbenzene	ND	2.0	ug/kg					
p-Isopropyltoluene	ND	2.0	ug/kg					
Methylene chloride	ND	20	ug/kg					
Naphthalene	ND	5.0	ug/kg					
n-Propylbenzene	ND	2.0	ug/kg					
Styrene	ND	2.0	ug/kg					
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg					
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg					
Tetrachloroethene	ND	2.0	ug/kg					
Toluene	ND	2.0	ug/kg					
1,2,3-Trichlorobenzene	ND	5.0	ug/kg					
1,2,4-Trichlorobenzene	ND	5.0	ug/kg					
1,1,1-Trichloroethane	ND	2.0	ug/kg					
1,1,2-Trichloroethane	ND	2.0	ug/kg					
Trichloroethene	ND	2.0	ug/kg					
Trichlorofluoromethane	ND	5.0	ug/kg					
1,2,3-Trichloropropane	ND	10	ug/kg					
1,2,4-Trimethylbenzene	ND	2.0	ug/kg					
1,3,5-Trimethylbenzene	ND	2.0	ug/kg					
Vinyl chloride	ND	5.0	ug/kg					
o-Xylene	ND	2.0	ug/kg					
m,p-Xylenes	ND	2.0	ug/kg					
Surrogate: Dibromofluoromethane	52.9		ug/kg	50.0		106 85-125		
Surrogate: Toluene-d8	51.1		ug/kg	50.0		102 80-120		
Surrogate: 4-Bromofluorobenzene	51.5		ug/kg	50.0		103 80-120		
<b>LCS Analyzed: 06/28/01 (11F2825-BS1)</b>								
Benzene	48.4	2.0	ug/kg	50.0		96.8 75-130		
Bromobenzene	49.9	5.0	ug/kg	50.0		99.8 75-130		
Bromochloromethane	50.2	5.0	ug/kg	50.0		100 70-140		
Bromodichloromethane	54.1	2.0	ug/kg	50.0		108 75-135		
Bromoform	52.8	5.0	ug/kg	50.0		106 55-130		
Bromomethane	44.8	5.0	ug/kg	50.0		89.6 65-140		
n-Butylbenzene	50.0	5.0	ug/kg	50.0		100 75-130		
sec-Butylbenzene	49.6	5.0	ug/kg	50.0		99.2 80-135		
tert-Butylbenzene	47.0	5.0	ug/kg	50.0		94.0 75-130		

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Environ-Irvine 2010 Main Street, 9th Floor Irvine, CA 92614 Attention: Bitu Tabatabai	Project ID: Valley Alhambra 04-9065A Report Number: IKF0951	Sampled: 06/22/01 Received: 06/22/01
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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: IIF2825 Extracted: 06/28/01</b>										
<b>LCS Analyzed: 06/28/01 (IIF2825-BS1)</b>										
Carbon tetrachloride	49.8	5.0	ug/kg	50.0		99.6	70-160			
Chlorobenzene	51.8	2.0	ug/kg	50.0		104	75-130			
Chloroethane	48.5	5.0	ug/kg	50.0		97.0	65-135			
Chloroform	50.2	2.0	ug/kg	50.0		100	75-130			
Chloromethane	44.8	5.0	ug/kg	50.0		89.6	45-130			
2-Chlorotoluene	48.4	5.0	ug/kg	50.0		96.8	75-130			
4-Chlorotoluene	49.5	5.0	ug/kg	50.0		99.0	80-130			
Dibromochloromethane	51.9	2.0	ug/kg	50.0		104	70-140			
1,2-Dibromo-3-chloropropane	48.0	5.0	ug/kg	50.0		96.0	50-145			
1,2-Dibromoethane (EDB)	55.5	2.0	ug/kg	50.0		111	60-145			
Dibromomethane	51.6	2.0	ug/kg	50.0		103	65-135			
1,2-Dichlorobenzene	46.7	2.0	ug/kg	50.0		93.4	75-130			
1,3-Dichlorobenzene	47.4	2.0	ug/kg	50.0		94.8	75-130			
1,4-Dichlorobenzene	46.2	2.0	ug/kg	50.0		92.4	80-125			
Dichlorodifluoromethane	45.6	5.0	ug/kg	50.0		91.2	10-140			
1,1-Dichloroethane	50.5	2.0	ug/kg	50.0		101	75-135			
1,2-Dichloroethane	49.2	2.0	ug/kg	50.0		98.4	65-140			
1,1-Dichloroethene	50.7	5.0	ug/kg	50.0		101	70-145			
cis-1,2-Dichloroethene	48.0	2.0	ug/kg	50.0		96.0	70-130			
trans-1,2-Dichloroethene	50.4	2.0	ug/kg	50.0		101	75-140			
1,2-Dichloropropane	50.6	2.0	ug/kg	50.0		101	75-130			
1,3-Dichloropropane	55.9	2.0	ug/kg	50.0		112	65-140			
2,2-Dichloropropane	44.2	2.0	ug/kg	50.0		88.4	75-150			
1,1-Dichloropropene	47.2	2.0	ug/kg	50.0		94.4	75-140			
cis-1,3-Dichloropropene	52.8	2.0	ug/kg	50.0		106	65-135			
trans-1,3-Dichloropropene	53.6	2.0	ug/kg	50.0		107	65-140			
Ethylbenzene	50.7	2.0	ug/kg	50.0		101	75-135			
Hexachlorobutadiene	47.5	5.0	ug/kg	50.0		95.0	75-150			
Isopropylbenzene	49.1	2.0	ug/kg	50.0		98.2	80-135			
p-Isopropyltoluene	45.6	2.0	ug/kg	50.0		91.2	75-130			
Methylene chloride	50.1	2.0	ug/kg	50.0		100	70-125			
Naphthalene	45.0	5.0	ug/kg	50.0		90.0	50-145			
n-Propylbenzene	51.0	2.0	ug/kg	50.0		102	80-135			
Styrene	52.6	2.0	ug/kg	50.0		105	75-140			
1,1,1,2-Tetrachloroethane	52.7	5.0	ug/kg	50.0		105	75-135			
1,1,2,2-Tetrachloroethane	55.7	2.0	ug/kg	50.0		111	70-135			

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Environ-Irvine  
 2010 Main Street, 9th Floor  
 Irvine, CA 92614  
 Attention: Bitu Tabatabai

Project ID: Valley Alhambra  
 04-9065A  
 Report Number: IKF0951

Sampled: 06/22/01  
 Received: 06/22/01

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 11F2825 Extracted: 06/28/01</b>									
<b>LCS Analyzed: 06/28/01 (11F2825-BS1)</b>									
Tetrachloroethene	53.5	2.0	ug/kg	50.0		107 75-130			
Toluene	47.2	2.0	ug/kg	50.0		94.4 75-130			
1,2,3-Trichlorobenzene	45.6	5.0	ug/kg	50.0		91.2 50-140			
1,2,4-Trichlorobenzene	48.0	5.0	ug/kg	50.0		96.0 70-130			
1,1,1-Trichloroethane	48.3	2.0	ug/kg	50.0		96.6 75-140			
1,1,2-Trichloroethane	52.0	2.0	ug/kg	50.0		104 65-130			
Trichloroethene	47.3	2.0	ug/kg	50.0		94.6 75-130			
Trichlorofluoromethane	55.7	5.0	ug/kg	50.0		111 55-145			
1,2,3-Trichloropropane	53.2	10	ug/kg	50.0		106 60-140			
1,2,4-Trimethylbenzene	50.5	2.0	ug/kg	50.0		101 80-130			
1,3,5-Trimethylbenzene	50.7	2.0	ug/kg	50.0		101 80-135			
Vinyl chloride	44.3	5.0	ug/kg	50.0		88.6 45-140			
o-Xylene	49.8	2.0	ug/kg	50.0		99.6 75-130			
m,p-Xylenes	100	2.0	ug/kg	100		100 75-135			
Surrogate: Dibromofluoromethane	53.3		ug/kg	50.0		107 85-125			
Surrogate: Toluene-d8	51.0		ug/kg	50.0		102 80-120			
Surrogate: 4-Bromofluorobenzene	52.1		ug/kg	50.0		104 80-120			

### Matrix Spike Analyzed: 06/28/01 (11F2825-MS1)

Source: IKF0951-01

Benzene	46.5	2.0	ug/kg	50.0	ND	93.0 45-140			
Bromodichloromethane	52.6	2.0	ug/kg	50.0	ND	105 75-140			
Bromoform	56.4	5.0	ug/kg	50.0	ND	113 55-150			
Chlorobenzene	49.5	2.0	ug/kg	50.0	ND	99.0 75-135			
Chloroform	49.2	2.0	ug/kg	50.0	ND	98.4 75-140			
Dibromochloromethane	52.5	2.0	ug/kg	50.0	ND	105 70-140			
1,4-Dichlorobenzene	43.8	2.0	ug/kg	50.0	ND	87.6 80-145			
1,1-Dichloroethane	49.8	2.0	ug/kg	50.0	ND	99.6 70-150			
1,2-Dichloroethane	50.2	2.0	ug/kg	50.0	ND	100 65-145			
1,1-Dichloroethene	49.8	5.0	ug/kg	50.0	ND	99.6 70-165			
Ethylbenzene	48.3	2.0	ug/kg	50.0	ND	96.6 55-140			
Naphthalene	50.2	5.0	ug/kg	50.0	ND	100 65-175			
Tetrachloroethene	50.0	2.0	ug/kg	50.0	ND	100 75-200			
Toluene	45.4	2.0	ug/kg	50.0	ND	90.8 50-140			
Trichloroethene	45.2	2.0	ug/kg	50.0	ND	90.4 75-145			
Vinyl chloride	41.5	5.0	ug/kg	50.0	ND	83.0 45-160			
o-Xylene	47.5	2.0	ug/kg	50.0	ND	95.0 75-150			
m,p-Xylenes	95.3	2.0	ug/kg	100	ND	95.3 55-160			

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Environ-Irvine  
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 Irvine, CA 92614  
 Attention: Bitu Tabatabai

Project ID: Valley Alhambra  
 04-9065A  
 Report Number: IKF0951

Sampled: 06/22/01  
 Received: 06/22/01

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: IIF2825 Extracted: 06/28/01</b>									
<b>Matrix Spike Analyzed: 06/28/01 (IIF2825-MS1)</b>					<b>Source: IKF0951-01</b>				
Surrogate: Dibromofluoromethane	54.4		ug/kg	50.0		109 85-125			
Surrogate: Toluene-d8	51.4		ug/kg	50.0		103 80-120			
Surrogate: 4-Bromofluorobenzene	52.4		ug/kg	50.0		105 80-120			
<b>Matrix Spike Dup Analyzed: 06/28/01 (IIF2825-MSD1)</b>					<b>Source: IKF0951-01</b>				
Benzene	46.2	2.0	ug/kg	50.0	ND	92.4 45-140	0.647	20	
Bromodichloromethane	51.9	2.0	ug/kg	50.0	ND	104 75-140	1.34	20	
Bromoform	54.3	5.0	ug/kg	50.0	ND	109 55-150	3.79	30	
Chlorobenzene	49.3	2.0	ug/kg	50.0	ND	98.6 75-135	0.405	20	
Chloroform	48.0	2.0	ug/kg	50.0	ND	96.0 75-140	2.47	20	
Dibromochloromethane	51.8	2.0	ug/kg	50.0	ND	104 70-140	1.34	25	
1,4-Dichlorobenzene	44.9	2.0	ug/kg	50.0	ND	89.8 80-145	2.48	25	
1,1-Dichloroethane	48.5	2.0	ug/kg	50.0	ND	97.0 70-150	2.64	20	
1,2-Dichloroethane	49.0	2.0	ug/kg	50.0	ND	98.0 65-145	2.42	25	
1,1-Dichloroethene	49.0	5.0	ug/kg	50.0	ND	98.0 70-165	1.62	20	
Ethylbenzene	48.2	2.0	ug/kg	50.0	ND	96.4 55-140	0.207	20	
Naphthalene	48.4	5.0	ug/kg	50.0	ND	96.8 65-175	3.65	40	
Tetrachloroethene	50.6	2.0	ug/kg	50.0	ND	101 75-200	1.19	25	
Toluene	44.7	2.0	ug/kg	50.0	ND	89.4 50-140	1.55	20	
Trichloroethene	45.3	2.0	ug/kg	50.0	ND	90.6 75-145	0.221	20	
Vinyl chloride	41.3	5.0	ug/kg	50.0	ND	82.6 45-160	0.483	30	
o-Xylene	47.5	2.0	ug/kg	50.0	ND	95.0 75-150	0.00	20	
m,p-Xylenes	95.6	2.0	ug/kg	100	ND	95.6 55-160	0.314	20	
Surrogate: Dibromofluoromethane	54.0		ug/kg	50.0		108 85-125			
Surrogate: Toluene-d8	51.1		ug/kg	50.0		102 80-120			
Surrogate: 4-Bromofluorobenzene	52.1		ug/kg	50.0		104 80-120			

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Environ-Irvine  
 2010 Main Street, 9th Floor  
 Irvine, CA 92614  
 Attention: Bitu Tabatabai

Project ID: Valley Alhambra  
 04-9065A  
 Report Number: IKF0951

Sampled: 06/22/01  
 Received: 06/22/01

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit RPD	RPD Limit	Data Qualifiers
<b>Batch: IIF2908 Extracted: 06/29/01</b>									
<b>Blank Analyzed: 06/29/01 (IIF2908-BLK1)</b>									
Benzene	ND	2.0	ug/kg						
Bromobenzene	ND	5.0	ug/kg						
Bromochloromethane	ND	5.0	ug/kg						
Bromodichloromethane	ND	2.0	ug/kg						
Bromoform	ND	5.0	ug/kg						
Bromomethane	ND	5.0	ug/kg						
n-Butylbenzene	ND	5.0	ug/kg						
sec-Butylbenzene	ND	5.0	ug/kg						
tert-Butylbenzene	ND	5.0	ug/kg						
Carbon tetrachloride	ND	5.0	ug/kg						
Chlorobenzene	ND	2.0	ug/kg						
Chloroethane	ND	5.0	ug/kg						
Chloroform	ND	2.0	ug/kg						
Chloromethane	ND	5.0	ug/kg						
2-Chlorotoluene	ND	5.0	ug/kg						
4-Chlorotoluene	ND	5.0	ug/kg						
Dibromochloromethane	ND	2.0	ug/kg						
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg						
1,2-Dibromoethane (EDB)	ND	2.0	ug/kg						
Dibromomethane	ND	2.0	ug/kg						
1,2-Dichlorobenzene	ND	2.0	ug/kg						
1,3-Dichlorobenzene	ND	2.0	ug/kg						
1,4-Dichlorobenzene	ND	2.0	ug/kg						
Dichlorodifluoromethane	ND	5.0	ug/kg						
1,1-Dichloroethane	ND	2.0	ug/kg						
1,2-Dichloroethane	ND	2.0	ug/kg						
1,1-Dichloroethene	ND	5.0	ug/kg						
cis-1,2-Dichloroethene	ND	2.0	ug/kg						
trans-1,2-Dichloroethene	ND	2.0	ug/kg						
1,2-Dichloropropane	ND	2.0	ug/kg						
1,3-Dichloropropane	ND	2.0	ug/kg						
2,2-Dichloropropane	ND	2.0	ug/kg						
1,1-Dichloropropene	ND	2.0	ug/kg						
cis-1,3-Dichloropropene	ND	2.0	ug/kg						
trans-1,3-Dichloropropene	ND	2.0	ug/kg						
Ethylbenzene	ND	2.0	ug/kg						

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 Project Manager

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 Report Number: IKF0951

Sampled: 06/22/01  
 Received: 06/22/01

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: IIF2908 Extracted: 06/29/01</b>										
<b>Blank Analyzed: 06/29/01 (IIF2908-BLK1)</b>										
Hexachlorobutadiene	ND	5.0	ug/kg							
Isopropylbenzene	ND	2.0	ug/kg							
p-Isopropyltoluene	ND	2.0	ug/kg							
Methylene chloride	ND	20	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Propylbenzene	ND	2.0	ug/kg							
Styrene	ND	2.0	ug/kg							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg							
Tetrachloroethene	ND	2.0	ug/kg							
Toluene	ND	2.0	ug/kg							
1,2,3-Trichlorobenzene	ND	5.0	ug/kg							
1,2,4-Trichlorobenzene	ND	5.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	ug/kg							
1,1,2-Trichloroethane	ND	2.0	ug/kg							
Trichloroethene	ND	2.0	ug/kg							
Trichlorofluoromethane	ND	5.0	ug/kg							
1,2,3-Trichloropropane	ND	10	ug/kg							
1,2,4-Trimethylbenzene	ND	2.0	ug/kg							
1,3,5-Trimethylbenzene	ND	2.0	ug/kg							
Vinyl chloride	ND	5.0	ug/kg							
o-Xylene	ND	2.0	ug/kg							
m,p-Xylenes	ND	2.0	ug/kg							
Surrogate: Dibromofluoromethane	45.8		ug/kg	50.0		91.6	85-125			
Surrogate: Toluene-d8	49.5		ug/kg	50.0		99.0	80-120			
Surrogate: 4-Bromofluorobenzene	46.0		ug/kg	50.0		92.0	80-120			
<b>LCS Analyzed: 06/29/01 (IIF2908-BS1)</b>										
Benzene	54.7	2.0	ug/kg	50.0		109	75-130			
Bromobenzene	53.1	5.0	ug/kg	50.0		106	75-130			
Bromochloromethane	50.4	5.0	ug/kg	50.0		101	70-140			
Bromodichloromethane	51.2	2.0	ug/kg	50.0		102	75-135			
Bromoform	49.5	5.0	ug/kg	50.0		99.0	55-130			
Bromomethane	56.0	5.0	ug/kg	50.0		112	65-140			
n-Butylbenzene	50.6	5.0	ug/kg	50.0		101	75-130			
sec-Butylbenzene	52.2	5.0	ug/kg	50.0		104	80-135			
tert-Butylbenzene	50.9	5.0	ug/kg	50.0		102	75-130			

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Environ-Irvine  
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 Attention: Bitu Tabatabai

Project ID: Valley Alhambra  
 04-9065A  
 Report Number: IKF0951

Sampled: 06/22/01  
 Received: 06/22/01

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Data Qualifiers
<b>Batch: IIF2908 Extracted: 06/29/01</b>								
<b>LCS Analyzed: 06/29/01 (IIF2908-BS1)</b>								
Carbon tetrachloride	59.6	5.0	ug/kg	50.0		119 70-160		
Chlorobenzene	54.2	2.0	ug/kg	50.0		108 75-130		
Chloroethane	49.9	5.0	ug/kg	50.0		99.8 65-135		
Chloroform	50.8	2.0	ug/kg	50.0		102 75-130		
Chloromethane	43.8	5.0	ug/kg	50.0		87.6 45-130		
2-Chlorotoluene	50.0	5.0	ug/kg	50.0		100 75-130		
4-Chlorotoluene	50.7	5.0	ug/kg	50.0		101 80-130		
Dibromochloromethane	51.2	2.0	ug/kg	50.0		102 70-140		
1,2-Dibromo-3-chloropropane	36.0	5.0	ug/kg	50.0		72.0 50-145		
1,2-Dibromoethane (EDB)	46.7	2.0	ug/kg	50.0		93.4 60-145		
Dibromomethane	50.1	2.0	ug/kg	50.0		100 65-135		
1,2-Dichlorobenzene	49.9	2.0	ug/kg	50.0		99.8 75-130		
1,3-Dichlorobenzene	51.6	2.0	ug/kg	50.0		103 75-130		
1,4-Dichlorobenzene	53.6	2.0	ug/kg	50.0		107 80-125		
Dichlorodifluoromethane	51.0	5.0	ug/kg	50.0		102 10-140		
1,1-Dichloroethane	46.8	2.0	ug/kg	50.0		93.6 75-135		
1,2-Dichloroethane	44.2	2.0	ug/kg	50.0		88.4 65-140		
1,1-Dichloroethene	51.7	5.0	ug/kg	50.0		103 70-145		
cis-1,2-Dichloroethene	47.9	2.0	ug/kg	50.0		95.8 70-130		
trans-1,2-Dichloroethene	52.4	2.0	ug/kg	50.0		105 75-140		
1,2-Dichloropropane	46.0	2.0	ug/kg	50.0		92.0 75-130		
1,3-Dichloropropane	49.4	2.0	ug/kg	50.0		98.8 65-140		
2,2-Dichloropropane	51.1	2.0	ug/kg	50.0		102 75-150		
1,1-Dichloropropene	51.1	2.0	ug/kg	50.0		102 75-140		
cis-1,3-Dichloropropene	52.5	2.0	ug/kg	50.0		105 65-135		
trans-1,3-Dichloropropene	50.9	2.0	ug/kg	50.0		102 65-140		
Ethylbenzene	56.7	2.0	ug/kg	50.0		113 75-135		
Hexachlorobutadiene	43.0	5.0	ug/kg	50.0		86.0 75-150		
Isopropylbenzene	50.4	2.0	ug/kg	50.0		101 80-135		
p-Isopropyltoluene	50.3	2.0	ug/kg	50.0		101 75-130		
Methylene chloride	45.9	20	ug/kg	50.0		91.8 70-125		
Naphthalene	34.7	5.0	ug/kg	50.0		69.4 50-145		
n-Propylbenzene	52.6	2.0	ug/kg	50.0		105 80-135		
Styrene	56.5	2.0	ug/kg	50.0		113 75-140		
1,1,1,2-Tetrachloroethane	58.5	5.0	ug/kg	50.0		117 75-135		
1,1,2,2-Tetrachloroethane	44.6	2.0	ug/kg	50.0		89.2 70-135		

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Environ-Irvine  
 2010 Main Street, 9th Floor  
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 Attention: Bitu Tabatabai

Project ID: Valley Alhambra  
 04-9065A  
 Report Number: IKF0951

Sampled: 06/22/01  
 Received: 06/22/01

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD RPD	Data Data
						Limits	Limit	Qualifiers

Batch: IIF2908 Extracted: 06/29/01

LCS Analyzed: 06/29/01 (IIF2908-BS1)

Tetrachloroethene	59.3	2.0	ug/kg	50.0		119	75-130	
Toluene	54.6	2.0	ug/kg	50.0		109	75-130	
1,2,3-Trichlorobenzene	41.3	5.0	ug/kg	50.0		82.6	50-140	
1,2,4-Trichlorobenzene	45.8	5.0	ug/kg	50.0		91.6	70-130	
1,1,1-Trichloroethane	53.4	2.0	ug/kg	50.0		107	75-140	
1,1,2-Trichloroethane	46.2	2.0	ug/kg	50.0		92.4	65-130	
Trichloroethene	50.6	2.0	ug/kg	50.0		101	75-130	
Trichlorofluoromethane	50.3	5.0	ug/kg	50.0		101	55-145	
1,2,3-Trichloropropane	38.4	10	ug/kg	50.0		76.8	60-140	
1,2,4-Trimethylbenzene	50.0	2.0	ug/kg	50.0		100	80-130	
1,3,5-Trimethylbenzene	51.7	2.0	ug/kg	50.0		103	80-135	
Vinyl chloride	56.4	5.0	ug/kg	50.0		113	45-140	
o-Xylene	56.5	2.0	ug/kg	50.0		113	75-130	
m,p-Xylenes	118	2.0	ug/kg	100		118	75-135	
Surrogate: Dibromofluoromethane	47.0		ug/kg	50.0		94.0	85-125	
Surrogate: Toluene-d8	49.9		ug/kg	50.0		99.8	80-120	
Surrogate: 4-Bromofluorobenzene	49.2		ug/kg	50.0		98.4	80-120	

Matrix Spike Analyzed: 06/29/01 (IIF2908-MS1)

Source: IKF0787-07

Benzene	55.9	2.0	ug/kg	50.0	ND	112	45-140	
Bromodichloromethane	51.7	2.0	ug/kg	50.0	ND	103	75-140	
Bromoform	51.1	5.0	ug/kg	50.0	ND	102	55-150	
Chlorobenzene	52.9	2.0	ug/kg	50.0	ND	106	75-135	
Chloroform	51.7	2.0	ug/kg	50.0	ND	103	75-140	
Dibromochloromethane	51.1	2.0	ug/kg	50.0	ND	102	70-140	
1,4-Dichlorobenzene	53.5	2.0	ug/kg	50.0	ND	107	80-145	
1,1-Dichloroethane	49.7	2.0	ug/kg	50.0	ND	99.4	70-150	
1,2-Dichloroethane	45.6	2.0	ug/kg	50.0	ND	91.2	65-145	
1,1-Dichloroethene	52.2	5.0	ug/kg	50.0	ND	104	70-165	
Ethylbenzene	55.3	2.0	ug/kg	50.0	ND	111	55-140	
Naphthalene	38.9	5.0	ug/kg	50.0	ND	77.8	65-175	
Tetrachloroethene	57.7	2.0	ug/kg	50.0	ND	115	75-200	
Toluene	55.8	2.0	ug/kg	50.0	ND	112	50-140	
Trichloroethene	53.4	2.0	ug/kg	50.0	ND	107	75-145	
Vinyl chloride	58.9	5.0	ug/kg	50.0	ND	118	45-160	
o-Xylene	55.8	2.0	ug/kg	50.0	ND	112	75-150	
m,p-Xylenes	115	2.0	ug/kg	100	ND	115	55-160	

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Project ID: Valley Alhambra  
 04-9065A  
 Report Number: IKF0951

Sampled: 06/22/01  
 Received: 06/22/01

## METHOD-BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	Data Qualifiers
<b>Batch: IIF2908 Extracted: 06/29/01</b>									
<b>Matrix Spike Analyzed: 06/29/01 (IIF2908-MS1)</b>					<b>Source: IKF0787-07</b>				
Surrogate: Dibromofluoromethane	46.8		ug/kg	50.0		93.6	85-125		
Surrogate: Toluene-d8	49.8		ug/kg	50.0		99.6	80-120		
Surrogate: 4-Bromofluorobenzene	48.0		ug/kg	50.0		96.0	80-120		
<b>Matrix Spike Dup Analyzed: 06/29/01 (IIF2908-MSD1)</b>					<b>Source: IKF0787-07</b>				
Benzene	55.3	2.0	ug/kg	50.0	ND	111	45-140	1.08	20
Bromodichloromethane	51.7	2.0	ug/kg	50.0	ND	103	75-140	0.00	20
Bromoform	50.1	5.0	ug/kg	50.0	ND	100	55-150	1.98	30
Chlorobenzene	52.7	2.0	ug/kg	50.0	ND	105	75-135	0.379	20
Chloroform	52.3	2.0	ug/kg	50.0	ND	105	75-140	1.15	20
Dibromochloromethane	50.3	2.0	ug/kg	50.0	ND	101	70-140	1.58	25
1,4-Dichlorobenzene	52.7	2.0	ug/kg	50.0	ND	105	80-145	1.51	25
1,1-Dichloroethane	50.1	2.0	ug/kg	50.0	ND	100	70-150	0.802	20
1,2-Dichloroethane	44.3	2.0	ug/kg	50.0	ND	88.6	65-145	2.89	25
1,1-Dichloroethene	53.7	5.0	ug/kg	50.0	ND	107	70-165	2.83	20
Ethylbenzene	55.0	2.0	ug/kg	50.0	ND	110	55-140	0.544	20
Naphthalene	36.6	5.0	ug/kg	50.0	ND	73.2	65-175	6.09	40
Tetrachloroethene	57.5	2.0	ug/kg	50.0	ND	115	75-200	0.347	25
Toluene	55.4	2.0	ug/kg	50.0	ND	111	50-140	0.719	20
Trichloroethene	55.6	2.0	ug/kg	50.0	ND	111	75-145	4.04	20
Vinyl chloride	60.3	5.0	ug/kg	50.0	ND	121	45-160	2.35	30
o-Xylene	55.5	2.0	ug/kg	50.0	ND	111	75-150	0.539	20
m,p-Xylenes	113	2.0	ug/kg	100	ND	113	55-160	1.75	20
Surrogate: Dibromofluoromethane	46.6		ug/kg	50.0		93.2	85-125		
Surrogate: Toluene-d8	49.5		ug/kg	50.0		99.0	80-120		
Surrogate: 4-Bromofluorobenzene	48.4		ug/kg	50.0		96.8	80-120		

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 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Environ-Irvine 2010 Main Street, 9th Floor Irvine, CA 92614 Attention: Bitu Tabatabai	Project ID: Valley Alhambra 04-9065A Report Number: IKF0951	Sampled: 06/22/01 Received: 06/22/01
--	---	---

## METHOD BLANK QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD Limit	Data Qualifiers
<b>Batch: I1F2635 Extracted: 06/26/01</b>								
<b>Blank Analyzed: 06/26/01 (I1F2635-BLK1)</b>								
Mercury	ND	0.020	mg/kg					
<b>LCS Analyzed: 06/26/01 (I1F2635-BS1)</b>								
Mercury	0.837	0.020	mg/kg	0.800		105 85-120		
<b>Matrix Spike Analyzed: 06/26/01 (I1F2635-MS1)</b>								
Mercury	0.985	0.020	mg/kg	0.800	0.044	118 65-135		
<b>Matrix Spike Dup Analyzed: 06/26/01 (I1F2635-MSD1)</b>								
Mercury	0.880	0.020	mg/kg	0.800	0.044	104 65-135	11.3 20	
<b>Batch: I1F2642 Extracted: 06/26/01</b>								
<b>Blank Analyzed: 06/26/01 (I1F2642-BLK1)</b>								
Antimony	ND	10	mg/kg					
Arsenic	ND	2.0	mg/kg					
Barium	ND	1.0	mg/kg					
Beryllium	ND	0.50	mg/kg					
Cadmium	ND	0.50	mg/kg					
Chromium	ND	1.0	mg/kg					
Cobalt	ND	1.0	mg/kg					
Copper	ND	1.0	mg/kg					
Lead	ND	2.0	mg/kg					
Molybdenum	ND	2.0	mg/kg					
Nickel	ND	1.0	mg/kg					
Selenium	ND	2.0	mg/kg					
Silver	ND	1.0	mg/kg					
Thallium	ND	10	mg/kg					
Titanium	ND	2.0	mg/kg					
Vanadium	ND	1.0	mg/kg					
Zinc	ND	5.0	mg/kg					

Del Mar Analytical, Irvine  
 Patty Mata  
 Project Manager

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 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8598 FAX (858) 505-9589  
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Environ-Irvine  
 2010 Main Street, 9th Floor  
 Irvine, CA 92614  
 Attention: Bitu Tabatabai

Project ID: Valley Alhambra  
 04-9065A  
 Report Number: IKF0951

Sampled: 06/22/01  
 Received: 06/22/01

## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	Data RPD	Qualifiers
<b>Batch: IIF2642 Extracted: 06/26/01</b>										
<b>LCS Analyzed: 06/26/01 (IIF2642-BS1)</b>										
Antimony	47.0	10	mg/kg	50.0		94.0	80-120			
Arsenic	45.3	2.0	mg/kg	50.0		90.6	80-120			
Barium	45.2	1.0	mg/kg	50.0		90.4	80-120			
Beryllium	45.6	0.50	mg/kg	50.0		91.2	80-120			
Cadmium	45.6	0.50	mg/kg	50.0		91.2	80-120			
Chromium	44.8	1.0	mg/kg	50.0		89.6	80-120			
Cobalt	44.3	1.0	mg/kg	50.0		88.6	80-120			
Copper	45.5	1.0	mg/kg	50.0		91.0	80-120			
Lead	46.4	2.0	mg/kg	50.0		92.8	80-120			
Molybdenum	44.9	2.0	mg/kg	50.0		89.8	80-120			
Nickel	43.8	1.0	mg/kg	50.0		87.6	80-120			
Selenium	44.6	2.0	mg/kg	50.0		89.2	80-120			
Silver	23.1	1.0	mg/kg	25.0		92.4	80-120			
Thallium	43.1	10	mg/kg	50.0		86.2	80-120			
Titanium	46.8	2.0	mg/kg	50.0		93.6	80-120			
Vanadium	45.9	1.0	mg/kg	50.0		91.8	80-120			
Zinc	47.2	5.0	mg/kg	50.0		94.4	80-120			

### Matrix Spike Analyzed: 06/26/01 (IIF2642-MS1)

Source: IKF0956-01

Antimony	22.1	10	mg/kg	50.0	ND	44.2	75-125			M2
Arsenic	45.0	2.0	mg/kg	50.0	ND	87.2	75-125			
Barium	111	1.0	mg/kg	50.0	60	102	75-125			
Beryllium	44.4	0.50	mg/kg	50.0	ND	88.8	75-125			
Cadmium	44.2	0.50	mg/kg	50.0	1.5	85.4	75-125			
Chromium	63.8	1.0	mg/kg	50.0	16	95.6	75-125			
Cobalt	48.8	1.0	mg/kg	50.0	6.5	84.6	75-125			
Copper	62.9	1.0	mg/kg	50.0	16	93.8	75-125			
Lead	50.4	2.0	mg/kg	50.0	6.1	88.6	75-125			
Molybdenum	41.0	2.0	mg/kg	50.0	ND	81.5	75-125			
Nickel	56.6	1.0	mg/kg	50.0	14	85.2	75-125			
Selenium	43.7	2.0	mg/kg	50.0	ND	83.8	75-125			
Silver	22.4	1.0	mg/kg	25.0	ND	89.6	75-125			
Thallium	45.2	10	mg/kg	50.0	ND	83.0	75-125			
Titanium	1010	2.0	mg/kg	50.0	630	760	75-125			M-HA
Vanadium	84.6	1.0	mg/kg	50.0	29	111	75-125			
Zinc	89.1	5.0	mg/kg	50.0	45	88.2	75-125			

Del Mar Analytical, Irvine  
 Patty Mata  
 Project Manager

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 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Environ-Irvine  
 2010 Main Street, 9th Floor  
 Irvine, CA 92614  
 Attention: Bitu Tabatabai

Project ID: Valley Alhambra  
 04-9065A  
 Report Number: IKF0951

Sampled: 06/22/01  
 Received: 06/22/01

## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD RPD	Limit	Data Qualifiers
<b>Batch: I1F2642 Extracted: 06/26/01</b>										
<b>Matrix Spike Dup Analyzed: 06/26/01 (I1F2642-MSD1)</b>										
<b>Source: IKF0956-01</b>										
Antimony	23.3	10	mg/kg	50.0	ND	46.6	75-125	5.29	20	M2
Arsenic	46.4	2.0	mg/kg	50.0	ND	90.0	75-125	3.06	20	
Barium	117	1.0	mg/kg	50.0	60	114	75-125	5.26	20	
Beryllium	45.8	0.50	mg/kg	50.0	ND	91.6	75-125	3.10	20	
Cadmium	46.5	0.50	mg/kg	50.0	1.5	90.0	75-125	5.07	20	
Chromium	66.5	1.0	mg/kg	50.0	16	101	75-125	4.14	20	
Cobalt	50.8	1.0	mg/kg	50.0	6.5	88.6	75-125	4.02	20	
Copper	66.8	1.0	mg/kg	50.0	16	102	75-125	6.01	20	
Lead	52.2	2.0	mg/kg	50.0	6.1	92.2	75-125	3.51	20	
Molybdenum	42.6	2.0	mg/kg	50.0	ND	84.7	75-125	3.83	20	
Nickel	58.9	1.0	mg/kg	50.0	14	89.8	75-125	3.98	20	
Selenium	46.4	2.0	mg/kg	50.0	ND	89.2	75-125	5.99	20	
Silver	23.4	1.0	mg/kg	25.0	ND	93.6	75-125	4.37	20	
Thallium	47.0	10	mg/kg	50.0	ND	86.6	75-125	3.90	20	
Titanium	1080	2.0	mg/kg	50.0	630	900	75-125	6.70	20	M-HA
Vanadium	89.3	1.0	mg/kg	50.0	29	121	75-125	5.41	20	
Zinc	94.1	5.0	mg/kg	50.0	45	98.2	75-125	5.46	20	

Del Mar Analytical, Irvine  
 Patty Mata  
 Project Manager

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Environ-Irvine  
2010 Main Street, 9th Floor  
Irvine, CA 92614  
Attention: Bitu Tabatabai

Project ID: Valley Alhambra  
04-9065A  
Report Number: IKF0951

Sampled: 06/22/01  
Received: 06/22/01

## DATA QUALIFIERS AND DEFINITIONS

- M-HA Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- M2 The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- NR Not reported.
- RPD Relative Percent Difference

Del Mar Analytical, Irvine  
Patty Mata  
Project Manager

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IKF0951 <Page 33 of 33>

# ENVIRON

2010 Main St., Suite 900  
Irvine, California 92614  
(949) 261-5151  
(949) 261-9202. (FAX)

## CHAIN-OF-CUSTODY

PROJECT NAME: VALLEY ALHAMBRA FIELD PERSON: Alex Marr  
 PROJECT NUMBER: 04-9065A PROJECT MANAGER: Bitu Tabatabaai  
 PROJECT LOCATION: 4900 E. VAULEY BL DATE: 6/22/01

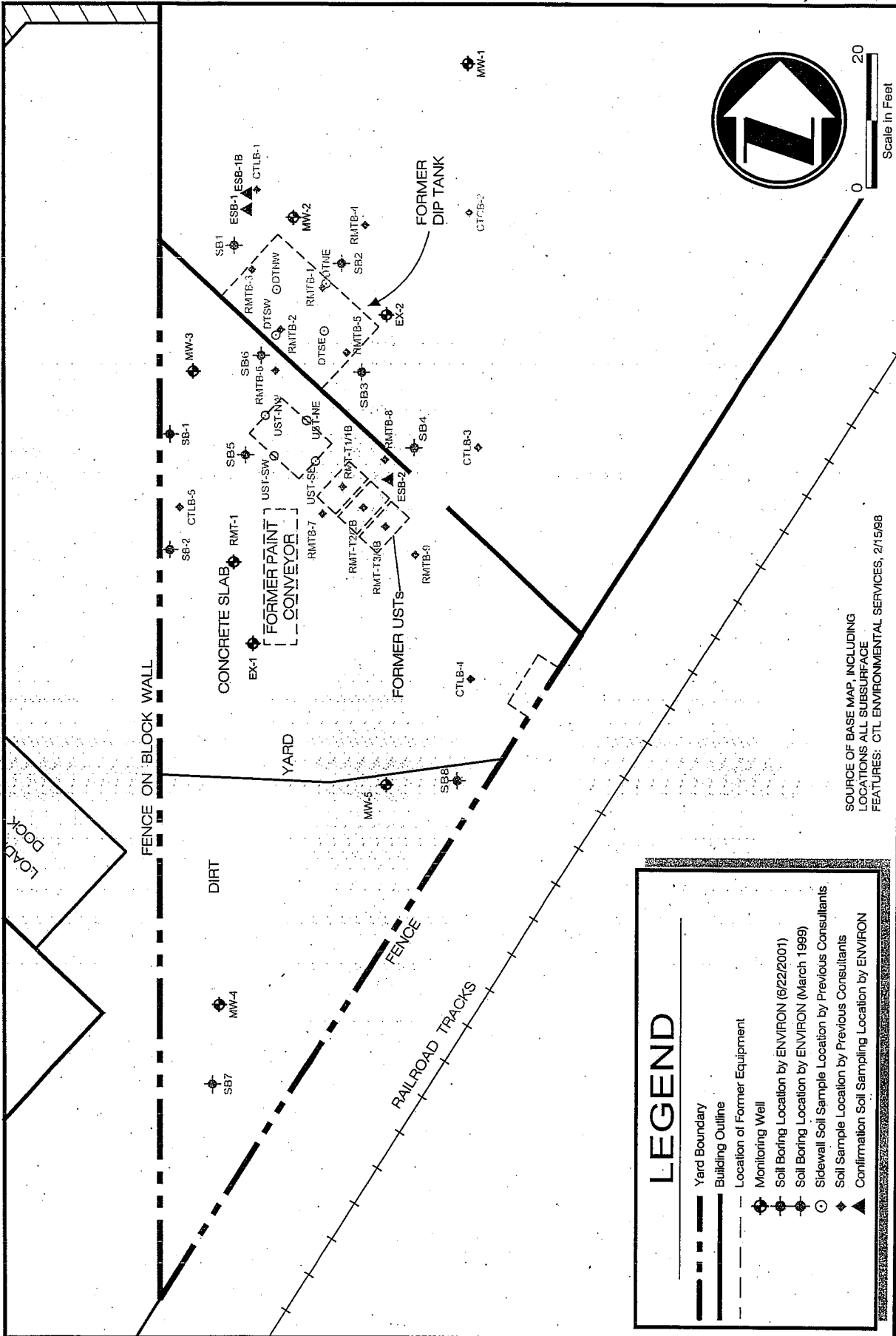
SAMPLER:	SIGNATURE:	YEAR	SAMPLE DATE	SAMPLE TIME	MATRIX	(S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED	COMMENTS
S31-2-2.5	Alex Marr	6-22	1248	1248	S	1	1	h	100	✓	Please send
S31-5-5.5			1300	1300		1	1			✓	analyses to
S31-9.2-9.7			1307	1307		1	1			✓	Bitu Tabatabaai
S32-2-2.5			1305	1305		1	1			✓	@ 949-261-5151
S32-5-5.5			1355	1355		1	1			✓	Thanks
S32-9.2-9.7			1346	1346		1	1			✓	
S32-14-14.5			1347	1347		1	1			✓	
TOTAL										6	62

RECEIVED BY: [Signature] TIME/DATE: 6/22/01 @ 1700  
 RELINQUISHED BY: [Signature] TIME/DATE: 6/22/01 @ 1755  
 RECEIVED BY: [Signature] TIME/DATE: 6/22/01 @ 1755  
 RELINQUISHED BY: [Signature] TIME/DATE: 6/22/01 @ 1755

TURNAROUND TIME (CIRCLE ONE):  SAMEDAY  24 HOURS  48 HOURS  72 HOURS  5 DAYS

SAMPLE INTEGRITY:  INTACT  ON ICE

FILE LOGS/CHGIST: [Signature]



SOURCE OF BASE MAP, INCLUDING LOCATIONS ALL SUBSURFACE FEATURES: CTL ENVIRONMENTAL SERVICES, 2/15/98

**LEGEND**

- Yard Boundary
- Building Outline
- - - Location of Former Equipment
- ⊕ Monitoring Well
- ⊕ Soil Boring Location by ENVIRON (6/22/2001)
- ⊕ Soil Boring Location by ENVIRON (March 1999)
- Sidewall Soil Sample Location by Previous Consultants
- ◆ Soil Sample Location by Previous Consultants
- ▲ Confirmation Soil Sampling Location by ENVIRON

**ENVIRON**

**Confirmation Soil Sampling Locations**  
4900 East Valley Boulevard  
Los Angeles, California

Figure **5**



# ENVIRON

October 15, 2002

Mr. J.T. Liu, P.E.  
Mr. David Young  
California Regional Water Quality Control Board  
Los Angeles Region  
320 West Fourth Street, Suite 200  
Los Angeles, California 90013

Re: Request for Post-Remediation Monitoring  
4900 East Valley Boulevard  
Los Angeles, California (SLIC No. 967)

Dear Messrs. Liu and Young:

Enclosed please find the Third Quarter 2002 ground water monitoring report for 4900 East Valley Boulevard, Los Angeles, California (Site).

On October 8, 2002, Dr. George Linkletter, Bitu Tabatabai, and Eddie Arslanian of ENVIRON International Corporation (ENVIRON) met with you, as representatives from the California Regional Water Quality Control Board – Los Angeles Region (Regional Board), at the Site to review the history of chemical use at the Site and prior site characterization activities, and to discuss the status of remedial activities.

As discussed at the meeting, the 2-PHASE™ Extraction system used to treat volatile organic compounds (VOCs) in soil and ground water at the Site has been very effective. VOCs in ground water have decreased from concentrations of upwards of 4,800 micrograms per liter ( $\mu\text{g/l}$ ) of tetrachloroethene, the primary VOC constituent at the Site, to near or below its maximum contaminant level of 5  $\mu\text{g/l}$ , as established by the United States Environmental Protection Agency.

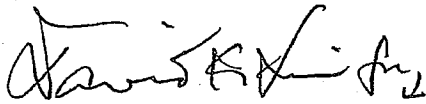
At the conclusion of the meeting, we requested, and you verbally agreed, that we be allowed to shut down the 2-PHASE™ Extraction system and to commence ground water monitoring to evaluate VOC rebound effects, if any. The system was shut down in your presence at approximately 2:00 p.m. on October 8, 2002. ENVIRON has tentatively scheduled the Fourth Quarter 2002 ground water monitoring event for the first week of December 2002. As you requested, ENVIRON will notify the Regional Board of the exact date, approximately one week in advance, once it has been scheduled.




October 15, 2002

On behalf of the entities that have assumed the task of addressing the presence of chlorinated solvents in the soil and ground water at the Site, we wish to restate our appreciation for your prompt attention to our request for a meeting to review the recent efforts to complete the remediation of this Site. As you can see from the monitoring data, it appears that we are very close to the point at which we will request closure, and we will further appreciate the Regional Board's expedited review of future submittals in anticipation of achieving a "closure" status.

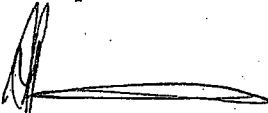
Very truly yours,



George O. Linkletter, Ph.D., R.G. (No. 3728)  
Principal



Bita Tabatabai, P.E. (No. C51294)  
Manager



Eddie Arslanian  
Senior Associate

\\Losangelesnt1\projects\A\Alhambra\Regional Board Correspondence\Cover Letter for 2002 3Q Ground Water Report.doc

Enclosure

Copy: Mr. Robert Anderson, Leggett & Platt  
Ms. Joan Donnellan, Leland, Parachini, Steinberg, Matzger & Melnick, LLP  
Mr. Gary Herman, S.D. Herman Co., Inc



-----Original Message-----

From: Eddie Arslanian  
Sent: Wednesday, December 10, 2003 9:21 AM  
To: 'David Young'  
Cc: Ju-Tseng Liu; George Linkletter; Bitu Tabatabai  
Subject: RE: Work Plan for Valley Alhambra Property

David, we will analyze the soil/gw samples by 8260B instead of 8021B. Historical soil samples have been analyzed by 8260B. However, please note that the quarterly gw samples have been historically analyzed by 8021B. Therefore, there could be some discrepancies in the gw samples results now between the 8021B and 8260B.

we are trying to arrange the sampling activities for next thursday the 18th. I will let you know once it gets finalized.

thanks.

-----Original Message-----

From: David Young [<mailto:dyoung@rb4.swrcb.ca.gov>]  
Sent: Tuesday, December 09, 2003 4:17 PM  
To: EArslanian@environcorp.com  
Cc: Ju-Tseng Liu  
Subject: Work Plan for Valley Alhambra Property

Hi Eddie,

I reviewed the Work Plan for Confirmation Soil Sampling and Final Round of Ground Water Sampling at Valley Alhambra Property, dated December 3, 2003. The only comment I have is with regard to analysis for VOCs. Due to the nature of this sampling event (confirmation sampling for site closure), VOCs should be analyzed in both soil and ground water by EPA Method 8260B. This analytical method covers a broader range of analytes, which is helpful information in determining if the site is eligible for closure. Other than this issue, everything else appears appropriate. Please let me know when you are planning on doing the proposed work so I can arrange my schedule to be there. Thanks, and let me know if you have any questions.

David A. Young  
Engineering Geologist  
Site Cleanup II  
(213) 576-6744

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\*\*\*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption\*\*\*  
\*\*\*For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>  
\*\*\*

