Client: Levine-Fricke
Job Number: 17559
Date Analyzed: 01-15-91

Sample: SB1-25

File: 7559
121

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	1.1	0.2	150	500
Arsenic	11	1	50	500
Barium	297	0.2	1000	10000
Beryllium	0.72	0.02	7.5	75
Cadmium	0.05	0.02	10	100
Chromium (III/VI)	38.7	0.7	5600/50	2500/500
Cobalt	14.7	0.02	800	8000
Copper	37.8	0.09	250	2500
Lead	7.54	0.04	50	1000
Mercury	ND<0.08	0.08	2	20
Molybdenum	0.56	0.05	3500	3500
Nickel	27	3	200	2000
Selenium	0.7	0.3	10	100
Silver	0.06	0.02	50	500
Thallium	0.21	0.02	70	700
Vanadium	77	1	240	2400
Zinc	85	1	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke
Job Number: 17559
Date Analyzed: 01-15-91

Sample: SB3-15

File: 7559
131

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.8	0.2	150	500
Arsenic	2.6	0.7	50	500
Barium	124	0.2	1000	10000
Beryllium	0.39	0.02	7.5	75
Cadmium	0.08	0.02	10	100
Chromium (III/VI)	28.3	0.7	5600/50	2500/500
Cobalt	9.45	0.02	800	8000
Copper	23.4	0.09	250	2500
Lead	6.69	0.04	50	1000
Mercury	ND<0.08	0.08	2	20
Molybdenum	0.1	0.05	3500	3500
Nickel	19	1	200	2000
Selenium	0.5	0.3	10	100
Silver	0.02	0.02	50	500
Thallium	0.15	0.02	70	700
Vanadium	40	1	240	2400
Zinc	59	1	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke
Job Number: 17559
Date Analyzed: 01-15-91

Sample: SB3-25

File: 7559
141

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	1.4	0.2	150	500
Arsenic	14.5	0.6	50	500
Barium	489	0.2	1000	10000
Beryllium	0.58	0.02	7.5	75
Cadmium	0.1	0.02	10	100
Chromium (III/VI)	33.6	0.7	5600/50	2500/500
Cobalt	15.9	0.02	800	8000
Copper	38.6	0.09	250	2500
Lead	9.47	0.04	50	1000
Mercury	ND<0.08	0.08	2	20
Molybdenum	1.19	0.05	3500	3500
Nickel	29.5	0.3	200	2000
Selenium	1.6	0.3	10	100
Silver	0.05	0.02	50	500
Thallium	0.15	0.02	70	700
Vanadium	72	2	240	2400
Zinc	104	1	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke Sample: SB8-10
Job Number: 17559
Date Analyzed: 01-15-91 File: 7559
151

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	8.4	0.2	150	500
Arsenic	7.8	0.8	50	500
Barium	990	0.2	1000	10000
Beryllium	0.35	0.02	7.5	75
Cadmium	2.55	0.02	10	100
Chromium (III/VI)	30.9	0.7	5600/50	2500/500
Cobalt	11	0.02	800	8000
Copper	181	0.09	250	2500
Lead	530 *	0.04	50	1000
Mercury	0.58	0.08	2	20
Molybdenum	0.54	0.05	3500	3500
Nickel	24	2	200	2000
Selenium	4.2	0.3	10	100
Silver	0.18	0.02	50	500
Thallium	0.1	0.02	70	700
Vanadium	42	1	240	2400
Zinc	3500 *	1	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke Sample: SB8-25
Job Number: 17559
Date Analyzed: 01-15-91 File: 7559
161

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	1	0.2	150	500
Arsenic	11.8	0.7	50	500
Barium	203	0.2	1000	10000
Beryllium	0.6	0.02	7.5	75
Cadmium	0.14	0.02	10	100
Chromium (III/VI)	30.4	0.7	5600/50	2500/500
Cobalt	12.1	0.02	800	8000
Copper	28.6	0.09	250	2500
Lead	8.16	0.04	50	1000
Mercury	ND<0.08	0.08	2	20
Molybdenum	0.19	0.05	3500	3500
Nickel	22	1	200	2000
Selenium	0.4	0.3	10	100
Silver	0.05	0.02	50	500
Thallium	0.12	0.02	70	700
Vanadium	59.8	0.8	240	2400
Zinc	72	1	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke Sample: SB9-5
Job Number: 17559
Date Analyzed: 01-15-91 File: 7559 171

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.5	0.2	150	500
Arsenic	3	0.8	50	500
Barium	101	0.2	1000	10000
Beryllium	0.48	0.02	7.5	75
Cadmium	0.04	0.02	10	100
Chromium (III/VI)	21.3	0.7	5600/50	2500/500
Cobalt	7.94	0.02	800	8000
Copper	15	0.09	250	2500
Lead	4.99	0.04	50	1000
Mercury	ND<0.08	0.08	2	20
Molybdenum	0.26	0.05	3500	3500
Nickel	14.9	0.1	200	2000
Selenium	0.7	0.3	10	100
Silver	0.03	0.02	50	500
Thallium	0.11	0.02	70	700
Vanadium	39	4	240	2400
Zinc	47	1	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke
Job Number: 17559
Date Analyzed: 01-15-91

Sample: SB9-10

File: 7559
181

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.8	0.2	150	500
Arsenic	7.8	0.9	50	500
Barium	155	0.2	1000	10000
Beryllium	0.59	0.02	7.5	75
Cadmium	ND<0.02	0.02	10	100
Chromium (III/VI)	33.1	0.7	5600/50	2500/500
Cobalt	12	0.02	800	8000
Copper	27.2	0.09	250	2500
Lead	8.71	0.04	50	1000
Mercury	ND<0.08	0.08	2	20
Molybdenum	0.27	0.05	3500	3500
Nickel	21.2	0.2	200	2000
Selenium	0.6	0.3	10	100
Silver	ND<0.02	0.02	50	500
Thallium	0.14	0.02	70	700
Vanadium	56	3	240	2400
Zinc	61	1	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke
Job Number: 17559
Date Analyzed: 01-15-91

Sample: SB9-25

File: 7559
191

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	1.4	0.2	150	500
Arsenic	19.2	0.7	50	500
Barium	289	0.2	1000	10000
Beryllium	0.59	0.02	7.5	75
Cadmium	0.09	0.02	10	100
Chromium (III/VI)	32.6	0.7	5600/50	2500/500
Cobalt	17.7	0.02	800	8000
Copper	35	0.09	250	2500
Lead	11.8	0.04	50	1000
Mercury	ND<0.08	0.08	2	20
Molybdenum	0.81	0.05	3500	3500
Nickel	29.8	0.5	200	2000
Selenium	1.6	0.3	10	100
Silver	ND<0.02	0.02	50	500
Thallium	0.18	0.02	70	700
Vanadium	64	3	240	2400
Zinc	85	1	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke Sample: SB21-15
Job Number: 17559
Date Analyzed: 01-15-91 File: 7559 221

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.8	0.2	150	500
Arsenic	4.2	0.5	50	500
Barium	48.3	0.2	1000	10000
Beryllium	0.25	0.02	7.5	75
Cadmium	ND<0.02	0.02	10	100
Chromium (III/VI)	11.8	0.7	5600/50	2500/500
Cobalt	5.6	0.02	800	8000
Copper	13.4	0.09	250	2500
Lead	2.89	0.04	50	1000
Mercury	ND<0.08	0.08	2	20
Molybdenum	0.15	0.05	3500	3500
Nickel	10.3	0.1	200	2000
Selenium	ND<0.3	0.3	10	100
Silver	ND<0.02	0.02	50	500
Thallium	0.08	0.02	70	700
Vanadium	30	3	240	2400
Zinc	35	1	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke
Job Number: 17559
Date Analyzed: 01-15-91

Sample: SB21-25

File: 7559
231

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	1.4	0.2	150	500
Arsenic	27.2	0.7	50	500
Barium	184	0.2	1000	10000
Beryllium	0.58	0.02	7.5	75
Cadmium	0.07	0.02	10	100
Chromium (III/VI)	34.5	0.7	5600/50	2500/500
Cobalt	14.8	0.02	800	8000
Copper	36.3	0.09	250	2500
Lead	9.92	0.04	50	1000
Mercury	ND<0.08	0.08	2	20
Molybdenum	0.74	0.05	3500	3500
Nickel	29	1	200	2000
Selenium	0.7	0.3	10	100
Silver	ND<0.02	0.02	50	500
Thallium	0.15	0.02	70	700
Vanadium	66	2	240	2400
Zinc	76	1	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: LEVINE-FRICKE
Job No: 17559
Date Analyzed: 11-Jan-91
Analysis: EPA 602 (8020)

Sample: Method Blank
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	2	1
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	ND	1

Surrogate Percent Recovery: 78

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17559
Date Analyzed: 11-Jan-91
Analysis: EPA 602 (8020)

Sample: SB14-5
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	ND	1

Surrogate Percent Recovery: 80

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17559
Date Analyzed: 11-Jan-91
Analysis: EPA 602 (8020)

Sample: SB20-15
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	ND	1

Surrogate Percent Recovery: 91

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17559
Date Analyzed: 11-Jan-91
Analysis: EPA 602 (8020)

Sample: SB20-55
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	ND	1

Surrogate Percent Recovery: 87

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17559
Date Analyzed: 11-Jan-91
Analysis: EPA 602 (8020)

Sample: SB22-10
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	1	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	2	1
Total Xylenes	1	1
Surrogate Percent Recovery:	73	

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17559
Date Analyzed: 11-Jan-91
Analysis: EPA 602 (8020)

Sample: SB22-25
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	18	1
Chlorobenzene	ND	3
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	4	1
Total Xylenes	4	1
Surrogate Percent Recovery:	102	

ND-Not Detected. The limit of detection is reported above.

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB1-25

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/11/91
DATE ANALYZED: 01/16/91

RUN NUMBER: 17559B2
SAMPLE AMOUNT: 30G:1ML
MATRIX: SOIL

SEMI-VOLATILE ORGANICS (EPA 625/8270)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
83-32-9	ACENAPHTHENE	ND	30.
208-96-8	ACENAPHTHYLENE	ND	30.
120-12-7	ANTHRACENE	ND	30.
56-55-3	BENZO(A)ANTHRACENE	ND	30.
205-99-2	BENZO(B & K)FLUORANTHENES	ND	30.
191-24-2	BENZO(GHI)PERYLENE	ND	30.
50-32-8	BENZO(A)PYRENE	ND	30.
65-85-0	BENZOIC ACID	ND	200.
100-51-6	BENZYL ALCOHOL	ND	30.
111-91-1	BIS(2-CHLOROETHOXY)METHANE	ND	30.
111-44-4	BIS(2-CHLOROETHYL)ETHER	ND	30.
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	ND	30.
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	200.
101-55-3	4-BROMOPHENYL PHENYL ETHER	ND	30.
85-68-7	BUTYL BENZYL PHTHALATE	ND	30.
106-47-8	4-CHLOROANILINE	ND	30.
59-50-7	4-CHLORO-3-METHYLPHENOL	ND	30.
91-58-7	2-CHLORONAPHTHALENE	ND	30.
95-57-8	2-CHLOROPHENOL	ND	30.
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ND	30.
218-01-9	CHRYSENE	ND	30.
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	30.
132-64-9	DIBENZOFURAN	ND	30.
84-74-2	DI-N-BUTYL PHTHALATE	ND	30.
95-50-1	1,2-DICHLOROBENZENE	ND	30.
541-73-1	1,3-DICHLOROBENZENE	ND	30.
106-46-7	1,4-DICHLOROBENZENE	ND	30.
91-94-1	3,3'-DICHLOROBENZIDINE	ND	70.
120-33-2	2,4-DICHLOROPHENOL	ND	30.
84-66-2	DIETHYL PHTHALATE	ND	30.
105-67-9	2,4-DIMETHYLPHENOL	ND	30.
131-11-3	DIMETHYL PHTHALATE	ND	30.
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	200.
51-28-5	2,4-DINITROPHENOL	ND	200.
121-14-2	2,4-DINITROTOLUENE	ND	30.
606-20-2	2,6-DINITROTOLUENE	ND	30.
117-84-0	DI-N-OCTYL PHTHALATE	ND	30.
206-44-0	FLUORANTHENE	ND	30.
86-73-7	FLUORENE	ND	30.
118-74-1	HEXACHLOROBENZENE	ND	30.
87-68-3	HEXACHLOROBUTADIENE	ND	30.
77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	30.
67-72-1	HEXACHLOROETHANE	ND	30.
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	30.
78-59-1	ISOPHORONE	ND	30.
91-57-6	2-METHYLNAPHTHALENE	ND	30.

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB1-25

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/11/91
DATE ANALYZED: 01/16/91

RUN NUMBER: 17559B2
SAMPLE AMOUNT: 30G:1ML
MATRIX: SOIL

SEMI-VOLATILE ORGANICS (EPA 625/8270)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
95-48-7	2-METHYLPHENOL	ND	30.
106-44-5	4-METHYLPHENOL	ND	30.
91-20-3	NAPHTHALENE	ND	30.
88-74-4	2-NITROANILINE	ND	200.
99-09-2	3-NITROANILINE	ND	200.
100-01-6	4-NITROANILINE	ND	200.
98-95-3	NITROBENZENE	ND	30.
88-75-5	2-NITROPHENOL	ND	30.
100-02-7	4-NITROPHENOL	ND	200.
86-30-6	N-NITROSODIPHENYLAMINE **	ND	30.
621-64-7	N-NITROSODIPROPYLAMINE	ND	30.
87-86-5	PENTACHLOROPHENOL	ND	200.
85-01-8	PHENANTHRENE	ND	30.
108-95-2	PHENOL	ND	30.
129-00-0	PYRENE	ND	30.
120-82-1	1,2,4-TRICHLOROBENZENE	ND	30.
95-95-4	2,4,5-TRICHLOROPHENOL	ND	200.
88-06-2	2,4,6-TRICHLOROPHENOL	ND	30.

** - Cannot be separated from diphenylamine

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB1-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	BNA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: BLANK

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/11/91
DATE ANALYZED: 01/14/91

RUN NUMBER: 17559B1
SAMPLE AMOUNT: 30G:1ML
MATRIX: SOIL

SEMI-VOLATILE ORGANICS (EPA 625/8270)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
83-32-9	ACENAPHTHENE	ND	30.
208-96-8	ACENAPHTHYLENE	ND	30.
120-12-7	ANTHRACENE	ND	30.
56-55-3	BENZO(A)ANTHRACENE	ND	30.
205-99-2	BENZO(B & K)FLUORANTHENES	ND	30.
191-24-2	BENZO(GHI)PERYLENE	ND	30.
50-32-8	BENZO(A)PYRENE	ND	30.
65-85-0	BENZOIC ACID	ND	200.
100-51-6	BENZYL ALCOHOL	ND	30.
111-91-1	BIS(2-CHLOROETHOXY)METHANE	ND	30.
111-44-4	BIS(2-CHLOROETHYL)ETHER	ND	30.
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	ND	30.
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	200.
101-55-3	4-BROMOPHENYL PHENYL ETHER	ND	30.
85-68-7	BUTYL BENZYL PHTHALATE	ND	30.
106-47-8	4-CHLOROANILINE	ND	30.
59-50-7	4-CHLORO-3-METHYLPHENOL	ND	30.
91-58-7	2-CHLORONAPHTHALENE	ND	30.
95-57-8	2-CHLOROPHENOL	ND	30.
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ND	30.
218-01-9	CHRYSENE	ND	30.
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	30.
132-64-9	DIBENZOFURAN	ND	30.
84-74-2	DI-N-BUTYL PHTHALATE	ND	30.
95-50-1	1,2-DICHLOROBENZENE	ND	30.
541-73-1	1,3-DICHLOROBENZENE	ND	30.
106-46-7	1,4-DICHLOROBENZENE	ND	30.
91-94-1	3,3'-DICHLOROBENZIDINE	ND	70.
120-33-2	2,4-DICHLOROPHENOL	ND	30.
84-66-2	DIETHYL PHTHALATE	ND	30.
105-67-9	2,4-DIMETHYLPHENOL	ND	30.
131-11-3	DIMETHYL PHTHALATE	ND	30.
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	200.
51-28-5	2,4-DINITROPHENOL	ND	200.
121-14-2	2,4-DINITROTOLUENE	ND	30.
606-20-2	2,6-DINITROTOLUENE	ND	30.
117-84-0	DI-N-OCTYL PHTHALATE	ND	30.
206-44-0	FLUORANTHENE	ND	30.
86-73-7	FLUORENE	ND	30.
118-74-1	HEXACHLOROBENZENE	ND	30.
87-68-3	HEXACHLOROBUTADIENE	ND	30.
77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	30.
67-72-1	HEXACHLOROETHANE	ND	30.
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	30.
78-59-1	ISOPHORONE	ND	30.
91-57-6	2-METHYLNAPHTHALENE	ND	30.

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: BLANK

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/11/91
DATE ANALYZED: 01/14/91

RUN NUMBER: 17559B1
SAMPLE AMOUNT: 30G:1ML
MATRIX: SOIL

SEMI-VOLATILE ORGANICS (EPA 625/8270)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
95-48-7	2-METHYLPHENOL	ND	30.
106-44-5	4-METHYLPHENOL	ND	30.
91-20-3	NAPHTHALENE	ND	30.
88-74-4	2-NITROANILINE	ND	200.
99-09-2	3-NITROANILINE	ND	200.
100-01-6	4-NITROANILINE	ND	200.
98-95-3	NITROBENZENE	ND	30.
88-75-5	2-NITROPHENOL	ND	30.
100-02-7	4-NITROPHENOL	ND	200.
86-30-6	N-NITROSODIPHENYLAMINE **	ND	30.
621-64-7	N-NITROSODIPROPYLAMINE	ND	30.
87-86-5	PENTACHLOROPHENOL	ND	200.
85-01-8	PHENANTHRENE	ND	30.
108-95-2	PHENOL	ND	30.
129-00-0	PYRENE	ND	30.
120-82-1	1,2,4-TRICHLOROBENZENE	ND	30.
95-95-4	2,4,5-TRICHLOROPHENOL	ND	200.
88-06-2	2,4,6-TRICHLOROPHENOL	ND	30.

** - Cannot be separated from diphenylamine

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE SAMPLE: BLANK
WCAS JOB #: 17559

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	BNA	

SEMI-VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

DATE ANALYZED: 01/15/91,01/16/91
INSTRUMENT: 4500

MATRIX: SOIL

SAMPLE #	NITRO-BENZENE-D5	2-FLUORO-BIPHENYL	TERPHENYL-D14	PHENOL-D5	2-FLUORO-PHENOL	TRIBROMO-PHENOL
BLANK	82	85	101	79	82	84
SB1-25	73	76	84	72	74	80

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB1-10

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/11/91
DATE ANALYZED: 01/11/91

RUN NUMBER: 17559V15
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE SAMPLE: SB1-10
WCAS JOB #: 17559

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB1-25

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/10/91

RUN NUMBER: 17559V2
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB1-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB3-15

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/11/91

RUN NUMBER: 17559V14
SAMPLE AMOUNT: 10G:10ML,2UL
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	10000.
71-43-2	BENZENE	ND	3000.
75-27-4	BROMODICHLOROMETHANE	ND	3000.
75-25-2	BROMOFORM	ND	3000.
74-83-9	BROMOMETHANE	ND	10000.
78-93-3	2-BUTANONE (MEK)	ND	10000.
75-15-0	CARBON DISULFIDE	ND	3000.
56-23-5	CARBON TETRACHLORIDE	ND	3000.
108-90-7	CHLOROBENZENE	ND	3000.
75-00-3	CHLOROETHANE	ND	10000.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	30000.
67-66-3	CHLOROFORM	ND	3000.
74-87-3	CHLOROMETHANE	ND	10000.
108-41-8	CHLOROTOLUENE	ND	3000.
124-48-1	DIBROMOCHLOROMETHANE	ND	3000.
95-50-1	1,2-DICHLOROBENZENE	ND	3000.
541-73-1	1,3-DICHLOROBENZENE	ND	3000.
106-46-7	1,4-DICHLOROBENZENE	ND	3000.
75-34-3	1,1-DICHLOROETHANE	ND	3000.
107-06-2	1,2-DICHLOROETHANE	ND	3000.
75-35-4	1,1-DICHLOROETHYLENE	ND	3000.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	3000.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	3000.
78-87-5	1,2-DICHLOROPROPANE	ND	3000.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	3000.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	3000.
100-41-4	ETHYLBENZENE	ND	3000.
106-93-4	ETHYLENE DIBROMIDE	ND	3000.
76-13-1	FREON-TF	ND	3000.
119-78-6	2-HEXANONE	ND	10000.
75-09-2	METHYLENE CHLORIDE	ND	10000.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	10000.
100-42-5	STYRENE	ND	3000.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	3000.
127-18-4	TETRACHLOROETHYLENE	430000.	3000.
109-99-9	TETRAHYDROFURAN	ND	10000.
108-88-3	TOLUENE	ND	3000.
71-55-6	1,1,1-TRICHLOROETHANE	ND	3000.
79-00-5	1,1,2-TRICHLOROETHANE	ND	3000.
79-01-6	TRICHLOROETHYLENE	15000.	3000.
75-69-4	TRICHLOROFLUOROMETHANE	ND	3000.
108-05-4	VINYL ACETATE	ND	10000.
75-01-4	VINYL CHLORIDE	ND	10000.
95-47-6	TOTAL XYLENES	ND	3000.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB3-15

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	C8-C11 ALIPHATIC AND ALICYCLIC HYDROCARBONS	VOA	300000.

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB3-25

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/10/91

RUN NUMBER: 17559V3
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	5.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	30.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
108-88-3	TOLUENE	ND	30.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	5.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	30.
		ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB16-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB16-25

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/11/91

RUN NUMBER: 17559V11
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB21-15

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/11/91
DATE ANALYZED: 01/11/91

RUN NUMBER: 17559V16
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB21-15

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB21-25

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/11/91
DATE ANALYZED: 01/11/91

RUN NUMBER: 17559V17
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB21-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: LAB BLANK

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/10/91

RUN NUMBER: VBLK746
SAMPLE AMOUNT: BASED ON 1.0G
MATRIX: WATER

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: LAB BLANK

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: LAB BLANK

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/11/91

RUN NUMBER: VBLK747
SAMPLE AMOUNT: BASED ON 1.0G
MATRIX: WATER

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: LAB BLANK

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: LAB BLANK

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/11/91
DATE ANALYZED: 01/11/91

RUN NUMBER: VBLK748
SAMPLE AMOUNT: BASED ON 1.0G
MATRIX: WATER

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: LAB BLANK

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

DATES ANALYZED: 01/10/91 TO 01/11/91
INSTRUMENT: 5101

MATRIX: SOIL

SAMPLE #	TOLUENE-D8	BFB	1,2-DICHLORO-ETHANE-D4
SB1-10	98	100	102
SB1-25	100	98	106
SB3-15	94	98	104
SB3-25	99	97	104
SB8-10	98	94	112
SB8-25	100	98	107
SB9-5	100	99	110
SB9-25	99	99	106
SB14-15	98	98	107
SB14-25	99	98	108
SB16-15	96	99	106
SB16-25	100	98	104
SB21-15	97	102	105
SB21-25	98	101	106
LAB BLANK	100	100	108
LAB BLANK	100	98	104
LAB BLANK	100	100	102

Data Reporting Qualifiers

Value - If the result is a value greater than or equal to the Detection Limit (DL), the value is reported.

ND - Indicates that the compound was analyzed for but not detected. The minimum DL for the sample with the ND is reported based on necessary concentration or dilution actions.

TR - Indicates an estimated value. This flag is used when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified DL but greater than zero.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB3-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB8-10

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/10/91

RUN NUMBER: 17559V4
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	5.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	30.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	5.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	30.
67-66-3	CHLOROFORM	ND	50.
74-87-3	CHLOROMETHANE	ND	5.
108-41-8	CHLOROTOLUENE	ND	30.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	5.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	30.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
108-88-3	TOLUENE	ND	30.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	5.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	30.
		ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB8-10

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB8-25

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/10/91

RUN NUMBER: 17559V5
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB8-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB9-5

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/10/91

RUN NUMBER: 17559V6
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	48.	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB9-5

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB9-25

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/10/91

RUN NUMBER: 17559V7
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	47.	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB9-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB14-15

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/10/91

RUN NUMBER: 17559V8
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	34.	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB14-15

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB14-25

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/10/91

RUN NUMBER: 17559V9
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	40.	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB14-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB16-15

DATE RECEIVED: 01/08/91
DATE EXTRACTED: 01/10/91
DATE ANALYZED: 01/11/91

RUN NUMBER: 17559V10
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	5.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	30.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
108-88-3	TOLUENE	ND	30.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	5.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	30.
		ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17559

SAMPLE: SB16-15

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2173	Field Logbook No.: –	Date: 1/8/91	Serial No.: № 4743
Project Name: INK FEE	Project Location: SANTA FE SPRINGS		
Sampler (Signature): [signature]			Samplers: SDA

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624					HOLD	RUSH	REMARKS
SB16-5	1/8/91	1410		1	Soil							X		
SB16-10		1412										X		
SB16-15		1417										X		
SB16-20		1422										X		
SB16-25		1427										X		
SB22-5		1455										X		
SB22-10		1502										X		
SB22-15		1510										X		
SB22-20		1515										X		
SB22-25		1518										X		
SB3-5		1545										X		
SB3-10		1550										X		
SB3-15		1555										X		
SB3-20		1600										X		
SB3-25		1605										X		
SB3-30		1610										X		

RELINQUISHED BY: (Signature) [signature]	DATE 1/8/91	TIME 1800	RECEIVED BY: (Signature) [signature]	DATE 1/9/91	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) № 17559	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: FED EX BLUE ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
[illegible]
[illegible]
[illegible]

LEVINE-FRICKE
1900 Powell Street, 12th Floor
Emeryville, Ca 94608
(415) 652-4500

Analytical Laboratory:
WEST COAST ANALYTICAL SERVICES

Shipping Copy (White) Lab Copy (Green) File Copy (Yellow) Field Copy (Pink) FORM NO. 86/COC/ARF

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: [illegible]	Field Logbook No.: —	Date: 1/8/91	Serial No.: № 4777
Project Name: [illegible]	Project Location: [illegible]		
Sampler (Signature): [illegible]			Samplers: [illegible]

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601	EPA 624					HOLD	RUSH	REMARKS
SB9-5	1/8/91	1120		1	[illegible]							X		
SB9-10		1124										X		
SB9-15		1129										X		
SB9-20		1137										X		
SB9-25		1143										X		
SB8-5		1230										X		
SB8-10		1235										X		
SB8-15		1240										X		
SB8-20		1243										X		
SB8-25		1247										X		
SB14-5	[illegible]	1315										X		
SB14-10		1320										X		
SB14-15		1323										X		
SB14-20		1325										X		
SB14-25		1330										X		
												X		

RELINQUISHED BY: (Signature) [illegible]	DATE 1/8/91	TIME 1800	RECEIVED BY: (Signature) [illegible]	DATE 1-8-91	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) № 17559	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: FACSED on BLUE ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
1920 Main St #730
Irvine, CA 92714
714-955-1330

LEVINE-FRICKE
1900 Powell Street, 12th Floor
Emeryville, Ca 94608
(415) 652-4500

Analytical Laboratory:
WEST COAST ANALYTICAL SERVICES

Shipping Copy (White) Lab Copy (Green) File Copy (Yellow) Field Copy (Pink) FORM NO. 86/COC/ARF

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: [illegible]	Field Logbook No.: –	Date: 1/8/91	Serial No.: № 4833
Project Name: [illegible]	Project Location: [illegible]		
Sampler (Signature): [illegible]			Samplers:

SAMPLES						ANALYSES									
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601	EPA 624						HOLD	RUSH	REMARKS
SB20-5	1/8/91	0830		1	SOIL								X		
SB20-10	↓	0835		↓	↓								X		
SB20-15		0840											X		
SB20-20		0847											X		
SB20-25		0855											X		
SB20-30		0850											X		
SB20-35		0855											X		
SB20-45		0918											X		
SB20-55		0935											X		
SB21-5		1030											X		
SB21-10		1037											X		
SB21-15		1039											X		
SB21-20		1044											X		
SB21-25	↓	1049		↓	↓								X		

RELINQUISHED BY: (Signature) [illegible]	DATE 1/8/91	TIME 1800	RECEIVED BY: (Signature) [illegible]	DATE 1-9-91	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) 17559	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED IN BLUE ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
1920 MAIN ST. #150
IRVINE, CA 92714
714-955-1390

LEVINE-FRICKE
1900 Powell Street, 12th Floor
Emeryville, Ca 94608
(415) 652-4500

Analytical Laboratory:
WEST COAST ANALYTICAL SERVICES

Shipping Copy (White) Lab Copy (Green) File Copy (Yellow) Field Copy (Pink) FORM NO. 86/COC/ARF

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2193	Field Logbook No.: --	Date: 1/3/91	Serial No.: Nº N- 0508
Project Name: JACK FEE	Project Location: SANTA FE SPRINGS		
Sampler (Signature): [signature]			Samplers:

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624					HOLD	RUSH	REMARKS
SB1-5	1/8/91	1645		1	SOIL							X		
SB1-10	↓	1650		↓	↓							X		
SB1-15		1655										X		
SB1-20		1657										X		
SB1-25		1704										X		

RELINQUISHED BY: (Signature) [signature]	DATE 1/8/91	TIME 1800	RECEIVED BY: (Signature) [signature]	DATE 1-9-91	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED ON BLUE ICE	DATE	TIME	LAB COMMENTS: 17559		

Sample Collector:
LEVINE/FRICKE
1920 Main St., Ste. 750
Irvine, CA 92714

~~LEVINE-FRICKE~~
~~4019 Westerly Place, Suite 103~~
~~Newport Beach, California 92660~~
~~(714) 955-1390 FAX (714) 955-0683~~

Analytical Laboratory: [illegible]

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FORM NO. 86/COC/ARF

2193

December 31, 1990

WCAS
WEST COAST ANALYTICAL SERVICE, INC.
ANALYTICAL CHEMISTS

LEVINE-FRICKE
1920 Main Street
Suite 750
Irvine, CA 92714

Attn: Dave Field

JOB NO. 17390

A

LABORATORY REPORT

Samples Received: Nine (9) Soil Samples
Date Received: 12-17-90
Date Released for Analysis: 12-19-90
Purchase Order No: Proj#: 2193/Mobil - Jalk Fee

The samples were analyzed as follows:

Samples Analyzed	Analysis	Results
Four (4) soils	Fuel Hydrocarbons by Modified EPA 8015 (LUFT Manual, April 1989)	Table 1
Three (3) soils	Total Petroleum Hydrocarbons by EPA 418.1	Table 2
Two (2) soils	CAM (17) Metals by ICPMS	Data Sheets
One (1) soil	Volatile Organics by EPA 8260	Data Sheets
One (1) soil	Surrogate Percent Recoveries for EPA 8260	Data Sheet

RECEIVED
JAN 0
LEVINE-FRICKE

Michael Shelton
Technical Director

D. J. Northington, Ph.D.
President

9840 Alburtis Avenue • Santa Fe Springs, California 90670 • 213/948-2225 • FAX 213/948-5850

WEST COAST ANALYTICAL SERVICE, INC.

LEVINE-FRICKE
Mr. Dave Field

Job # 17390
December 31, 1990

LABORATORY REPORT

TABLE 1

Parts Per Million (mg/Kg)

Fuel Hydrocarbons by Modified EPA 8015
(LUFT Manual, April 1989)

Sample No.	C_5-C_{10} Gasoline	C_7-C_{12} Mineral Spirits	C_7-C_{15} Kerosene	C_{10}-C_{20} Diesel Fuel	C_{20}-C_{30} Heavy Hydrocarbons
T7A-1	ND	ND	ND	ND	1500
T7C-1	ND	ND	ND	ND	ND
T7C-2	ND	ND	ND	ND	ND
T8B-2a	ND	ND	ND	ND	ND
Detection Limit	10	10	10	10	100

ND - Not Detected

Date Analyzed:12-26-90

TABLE 2

Parts Per Million (mg/Kg)

Sample No.	Total Petroleum Hydrocarbons by EPA 418.1
T7A-1	1000
T8A-2	ND
T8B-2a	ND
Detection Limit	10

ND-Not Detected

Date Analyzed: 12-26-90

Client: Levine-Fricke
Job Number: 17390
Date Analyzed: 12-27-90

Sample: T7A-1

File: 7333
271

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.72	0.02	150	500
Arsenic	4	1	50	500
Barium	102	0.2	1000	10000
Beryllium	0.31	0.05	7.5	75
Cadmium	0.42	0.02	10	100
Chromium (III/VI)	22.4	0.3	5600/50	2500/500
Cobalt	8.26	0.02	800	8000
Copper	26	0.3	250	2500
Lead	128 *	0.1	50	1000
Mercury	0.04	0.02	2	20
Molybdenum	0.68	0.03	3500	3500
Nickel	17.1	0.2	200	2000
Selenium	0.8	0.3	10	100
Silver	0.03	0.02	50	500
Thallium	0.15	0.02	70	700
Vanadium	41	4	240	2400
Zinc	87.3	0.7	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke
Job Number: 17390
Date Analyzed: 12-27-90

Sample: T8A-1

File: 7333
281

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.83	0.02	150	500
Arsenic	4	1	50	500
Barium	103	0.2	1000	10000
Beryllium	0.31	0.05	7.5	75
Cadmium	0.07	0.02	10	100
Chromium (III/VI)	22.1	0.3	5600/50	2500/500
Cobalt	8.61	0.02	800	8000
Copper	80.5	0.3	250	2500
Lead	15.7	0.1	50	1000
Mercury	ND<0.02	0.02	2	20
Molybdenum	0.29	0.03	3500	3500
Nickel	14.5	0.1	200	2000
Selenium	0.8	0.3	10	100
Silver	0.05	0.02	50	500
Thallium	0.13	0.02	70	700
Vanadium	41	5	240	2400
Zinc	76.1	0.7	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

CLIENT: LEVINE FRICKE
WCAS JOB #: 17390

SAMPLE: T8A-1

DATE RECEIVED: 12/17/90
DATE EXTRACTED: 12/21/90
DATE ANALYZED: 12/21/90

RUN NUMBER: 17390V1
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	8.	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17390

SAMPLE: T8A-1

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17390

SAMPLE: LAB BLANK

DATE RECEIVED: 12/21/90
DATE EXTRACTED: 12/21/90
DATE ANALYZED: 12/21/90

RUN NUMBER: VBLK611
SAMPLE AMOUNT: BASED ON 1.0G
MATRIX: WATER

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17390

SAMPLE: LAB BLANK

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

INSTRUMENT : TRIO1
DATE ANALYZED: 12/21/90

FILENAME	SAMPLE ID	W/S	1,2-DICHLORO-ETHANE-d4	TOLUENE-d8	BFB
17390V1	T8A-1	S	107	96	95
VBLK611	LAB BLANK	W	107	95	89

S - SOIL W - WATER

Data Reporting Qualifiers

Value - If the result is a value greater than or equal to the Detection Limit (DL), the value is reported.

ND - Indicates that the compound was analyzed for but not detected. The minimum DL for the sample with the ND is reported based on necessary concentration or dilution actions.

TR - Indicates an estimated value. This flag is used when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified DL but greater than zero.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2193

Field Logbook No.: —

Date: 12/17/90

Serial No.: № N- 0769

Project Name: MOBIL - SALK FEE

Project Location: SANTA FE SPRINGS

Sampler (Signature): [signature]

Samplers: SAA

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601	EPA 624	8240	418.1	8015 (modified)	CAM	HOLD	RUSH	REMARKS
T8B-1	12/17	1134		1	SOIL						X			SAA (0) client came in 12-19-90
T8B-2	12/17	1207		1	SOIL				X	X	X			SAA (2) " " "
T8A-1	12/17	1240		1	SOIL			X		X	X			SAA (2) " " "
T8A-2	12/17	1225		1	SOIL				X		X			SAA (1) " " "
~~T8B-5~~	~~12/15~~			1	SOIL						X			SAA (0) " " "
T7B-3	12/17	1420		1	SOIL						X			SAA (0) " " "
T7B-5	12/17	1510		1	SOIL						X			SAA (0) " " "
T7A-1	12/17	1525		1	SOIL				X	X	X			SAA (3) " " "
T7C-1	12/17	1545		1	SOIL					X	X			SAA (1) " " "
T7C-2	12/17	1555		1	SOIL					X	X			SAA (1) " " "
~~T8B-2~~	~~12/15~~	~~1207~~												

PLEASE PROVIDE LAB QA/QC DATA

RELINQUISHED BY: (Signature) [signature]	DATE 12/17/90	TIME 535	RECEIVED BY: (Signature) [signature]	DATE 12-17-90	TIME 5:35
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) # 17390	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: Ice/Hand Del.	DATE 12/17/90	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE/FRICKE
1920 Main St., Ste. 750
Irvine, CA 92714

LEVINE-FRICKE
~~4019 Westerly Place, Suite 103~~
Newport Beach, California 92660
(714) 955-1390 FAX (714) 955-0683

Analytical Laboratory: West Coast Analytical

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FORM NO. 86/COC/ARF

2193

December 31, 1990

WCAS

WEST COAST ANALYTICAL SERVICE, INC.

ANALYTICAL CHEMISTS

LEVINE-FRICKE
1920 Main Street
Suite 750
Irvine, CA 92714

Attn: Dave Field

JOB NO. 17429

A

LABORATORY REPORT

Samples Received: Fifteen (15) Soil Samples
Date Received: 12/19/90
Purchase Order No: Proj#: 2193/Mobil - Jalk Fee

The samples were analyzed as follows:

Samples Analyzed	Analysis	Results
Six (6) soils	Total Petroleum Hydrocarbons by EPA 418.1	Table 1
Five (5) soils	Fuel Hydrocarbons by Modified EPA 8015 (LUFT Manual, April 1989)	Table 2
Two (2) soils	CAM (17) Metals by ICPMS	Data Sheets
Four (4) soils	Volatile Organics by EPA 8260	Data Sheet
Four (4) soils	Surrogate Percent Recoveries for EPA 8260	Data Sheet

RECEIVED
JAN 0
LEVINE-FRICKE

B. Michael Hovanec
Senior Staff Chemist

D. J. Northington, Ph.D.
President

9840 Alburtis Avenue • Santa Fe Springs, California 90670 • 213/948-2225 • FAX 213/948-5850

WEST COAST ANALYTICAL SERVICE, INC.

LEVINE-FRICKE
Mr. Dave Field

Job # 17429
December 31, 1990

LABORATORY REPORT

TABLE 1

Parts Per Million (mg/Kg)

Sample No.	Total Petroleum Hydrocarbons by EPA 418.1
T5B-2C	ND
T5B-2D	ND
T6A-3	ND
T6A-8	ND
T6B-7A	ND
T7A-1S	ND
Detection Limit	10

ND-Not Detected

Date Analyzed: 12-26-90

TABLE 2

Parts Per Million (mg/Kg)

Fuel Hydrocarbons by Modified EPA 8015
(LUFT Manual, April 1989)

Sample No.	C_5-C_{10} Gasoline	C_7-C_{12} Mineral Spirits	C_7-C_{15} Kerosene	C_{10}-C_{20} Diesel Fuel	C_{20}-C_{30} Heavy Hydrocarbons
T5A-1	ND	ND	ND	ND	200
T5B-2A	ND	ND	ND	ND	ND
T6A-3	ND	ND	ND	ND	ND
T6B-7A	ND	ND	ND	ND	ND
T6B-7B	ND	ND	ND	ND	ND
Detection Limit	10	10	10	10	100

ND - Not Detected

Date Analyzed: 12-26-90

Client: Levine-Fricke
Job Number: 17429
Date Analyzed: 12-27-90

Sample: T5B-2B

File: 7333
291

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.79	0.02	150	500
Arsenic	4	1	50	500
Barium	129	0.2	1000	10000
Beryllium	0.46	0.05	7.5	75
Cadmium	0.16	0.02	10	100
Chromium (III/VI)	24.9	0.3	5600/50	2500/500
Cobalt	8.22	0.02	800	8000
Copper	32.9	0.3	250	2500
Lead	5.5	0.1	50	1000
Mercury	0.04	0.02	2	20
Molybdenum	0.2	0.03	3500	3500
Nickel	16.6	0.09	200	2000
Selenium	0.7	0.3	10	100
Silver	0.04	0.02	50	500
Thallium	0.12	0.02	70	700
Vanadium	45	5	240	2400
Zinc	55.9	0.7	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke Sample: T6B-7A
Job Number: 17429
Date Analyzed: 12-27-90 File: 7333 301

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.78	0.02	150	500
Arsenic	5	1	50	500
Barium	98	0.2	1000	10000
Beryllium	0.36	0.05	7.5	75
Cadmium	0.06	0.02	10	100
Chromium (III/VI)	23.8	0.3	5600/50	2500/500
Cobalt	10.6	0.02	800	8000
Copper	18.9	0.3	250	2500
Lead	5.6	0.1	50	1000
Mercury	0.03	0.02	2	20
Molybdenum	0.23	0.03	3500	3500
Nickel	14.5	0.09	200	2000
Selenium	ND<0.3	0.3	10	100
Silver	ND<0.02	0.02	50	500
Thallium	0.13	0.02	70	700
Vanadium	44	5	240	2400
Zinc	46.3	0.7	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

CLIENT: LEVINE FRICKE
WCAS JOB #: 17429

SAMPLE: T5A-3

DATE RECEIVED: 12/19/90
DATE EXTRACTED: 12/21/90
DATE ANALYZED: 12/21/90

RUN NUMBER: 17429V3
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17429

SAMPLE: T5A-3

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17429

SAMPLE: T5B-2A

DATE RECEIVED: 12/19/90
DATE EXTRACTED: 12/21/90
DATE ANALYZED: 12/21/90

RUN NUMBER: 17429V1
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17429

SAMPLE: T5B-2A

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17429

SAMPLE: T6A-7

DATE RECEIVED: 12/19/90
DATE EXTRACTED: 12/21/90
DATE ANALYZED: 12/21/90

RUN NUMBER: 17429V2
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17429

SAMPLE: T6A-7

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17429

SAMPLE: T7A-1N

DATE RECEIVED: 12/19/90
DATE EXTRACTED: 12/21/90
DATE ANALYZED: 12/21/90

RUN NUMBER: 17429V4
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	8.	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17429

SAMPLE: T7A-1N

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17429

SAMPLE: LAB BLANK

DATE RECEIVED: 12/21/90
DATE EXTRACTED: 12/21/90
DATE ANALYZED: 12/21/90

RUN NUMBER: VBLK611
SAMPLE AMOUNT: BASED ON 1.0G
MATRIX: WATER

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	5.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	30.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
108-88-3	TOLUENE	ND	30.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	5.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	30.
		ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17429

SAMPLE: LAB BLANK

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

INSTRUMENT : TRIO1
DATE ANALYZED: 12/21/90

FILENAME	SAMPLE ID	W/S	1,2-DICHLORO-ETHANE-d4	TOLUENE-d8	BFB
17429V1	T5B-2A	S	111	99	100
17429V2	T6A-7	S	109	100	99
17429V3	T5A-3	S	111	99	97
17429V4	T7A-1N	S	111	98	95
VBLK611	LAB BLANK	W	107	95	89

S - SOIL W - WATER

Data Reporting Qualifiers

Value - If the result is a value greater than or equal to the Detection Limit (DL), the value is reported.

ND - Indicates that the compound was analyzed for but not detected. The minimum DL for the sample with the ND is reported based on necessary concentration or dilution actions.

TR - Indicates an estimated value. This flag is used when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified DL but greater than zero.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2193

Field Logbook No.: —

Date: 12/18/90

Serial No.: № N- 0556

Project Name: MOBIL - JALK FEE

Project Location: SANTA FE SPRINGS

Sampler (Signature): [signature]

Samplers: SCOTT R. ARMSTRONG

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601	EPA 624	8240	418.1	8015 (MODIFIED)	CAM	HOLD	RUSH	REMARKS
T7A-15	12/18	0750		1	SOIL				X					
T7A-1N	↓	0805		1	↓			X						
T6R-6		0840		1										
T6R-3		1025		1					X	X				
T5R-1		1430		1						X				
T5B-2R		1440		1				X		X				
SUMP-5 DRUM		1445		1										
T5B-2B		1450		1							X			
T5B-2C		1518		1					X					
T5B-2D	↓	1530		1	↓				X					

* PLEASE PROVIDE LAB QA/QC DATA

RELINQUISHED BY: (Signature) [signature]	DATE 12/19/90	TIME 1922	RECEIVED BY: (Signature) [signature]	DATE 12-19-90	TIME 5:25
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) № 17425	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED ON ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE/FRICKE
1920 Main St., Ste. 750
Irvine, CA 92714

~~LEVINE-FRICKE~~
~~4019 Westerly Place, Suite 103~~
~~Newport Beach, California 92660~~
~~(714) 955-1390 FAX (714) 955-0683~~

Analytical Laboratory:
WEST COAST ANALYTICAL SERVICES

Shipping Copy (White) Lab Copy (Green) File Copy (Yellow) Field Copy (Pink)

FORM NO. 86/COC/ARF

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2173

Field Logbook No.: —

Date: 12/19/90

Serial No.: № N- 0766

Project Name: JACK FEE

Project Location: SANTA FE SPRINGS

Sampler (Signature): [signature]

Samplers: [illegible]

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	8240	418.1	8015 (modified)	CAM	HOLD	RUSH	REMARKS
T6B-7A	12/19	0800		1	Soil				X	X	X			
T6B-7B	12/19	0815		1	Soil					X				
TSA-3	12/19	0910		1	Soil			X						
T6A-7	12/19	0925		1	Soil			X			~~X~~ Sm			
T6A-8	12/19	1015		1	Soil				X					

PLEASE PROVIDE LAB QA/QC DATA

RELINQUISHED BY: (Signature) [signature]	DATE 12/19/90	TIME 1722	RECEIVED BY: (Signature) [signature]	DATE 12-19-90	TIME 1722
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED ON ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE/FRICKE
1920 Main St, Ste. 750
Irvine, CA 92714

LEVINE-FRICKE
~~4019 Westerly Place, Suite 103~~
Newport Beach, California 92660
(714) 955-1390 FAX (714) 955-0683

Analytical Laboratory:
WEST COAST ANALYTICAL SERVICES

Shipping Copy (White) Lab Copy (Green) File Copy (Yellow) Field Copy (Pink)

FORM NO. 86/COC/ARF

2193

December 31, 1990

WCAS

WEST COAST ANALYTICAL SERVICE, INC.

ANALYTICAL CHEMISTS

LEVINE-FRICKE
1920 Main Street
Suite 750
Irvine, CA 92714

Attn: Dave Field

JOB NO. 17446

A

LABORATORY REPORT

Samples Received: Twenty-four (24) Soil Samples
Date Received: 12-20-90
Purchase Order No: Proj#: 2193/Mobil - Jalk Fee

The samples were analyzed as follows:

Samples Analyzed	Analysis	Results
Eleven (11) soils	Fuel Hydrocarbons by Modified EPA 8015 (LUFT Manual, April 1989)	Table 1
Fourteen (14) soils	Total Petroleum Hydrocarbons by EPA 418.1	Table 2
Six (6) soils	Volatile Organics by EPA 8260	Data Sheets
Six (6) soils	Surrogate Percent Recoveries for EPA 8260	Data Sheet
Three (3) soils	CAM (17) Metals by ICPMS	Data Sheets

RECEIVED
JAN 0
LEVINE-FRICKE

Michael Shelton
Technical Director

D. J. Northington, Ph.D.
President

9840 Alburtis Avenue • Santa Fe Springs, California 90670 • 213/948-2225 • FAX 213/948-5850

WEST COAST ANALYTICAL SERVICE, INC.

LEVINE FRICKE
Mr. Dave Field

Job # 17446
December 31, 1990

LABORATORY REPORT

TABLE 1

Parts Per Million (mg/Kg)

Fuel Hydrocarbons by Modified EPA 8015
(LUFT Manual, April 1989)

Sample No.	C_5-C_{10} Gasoline	C_7-C_{12} Mineral Spirits	C_7-C_{15} Kerosene	C_{10}-C_{20} Diesel Fuel	C_{20}-C_{30} Heavy Hydrocarbons
T1A-4	ND	ND	ND	ND	110
T2A-1	ND	ND	ND	ND	ND
T2B-1	ND	ND	ND	ND	ND
T3B-4	ND	ND	ND	ND	ND
T3B-10	ND	ND	ND	7400*	1800
T4A-2	ND	ND	ND	ND	ND
T4A-3	ND	ND	ND	ND	ND
T4B-1A	ND	ND	ND	1700*	390
T4B-3	ND	ND	ND	ND	ND
T8B-2b	ND	ND	ND	ND	ND
TLB-1	ND	ND	ND	ND	ND
Detection Limit	10	10	10	10	100

* carbon range C_7-C_{20}; identity uncertain.

ND - Not Detected

Date Analyzed: 12-28-90

WEST COAST ANALYTICAL SERVICE, INC.

LEVINE FRICKE
Mr. Dave Field

Job # 17446
December 31, 1990

LABORATORY REPORT

TABLE 2

Parts Per Million (mg/Kg)

Sample No.	Total Petroleum Hydrocarbons by EPA 418.1
T1A-1	ND
T1A-4	180
T1B-2	ND
T1B-4	ND
T2B-1	ND
T2B-2	28
T2B-6	ND
T3B-10	9900
T4A-3	ND
T4B-1A	4000
T4B-1B	ND
T4B-3	12
TLB-1	90
TLB-5	49
Detection Limit	10

ND-Not Detected

Date Analyzed:12-26-90

CLIENT: LEVINE FRICKE
WCAS JOB #: 17446

SAMPLE: T1B-1

DATE RECEIVED: 12/20/90
DATE EXTRACTED: 12/26/90
DATE ANALYZED: 12/26/90

RUN NUMBER: 17446V1
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	50.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17446

SAMPLE: T1B-1

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17446

SAMPLE: T2A-2

DATE RECEIVED: 12/20/90
DATE EXTRACTED: 12/26/90
DATE ANALYZED: 12/26/90

RUN NUMBER: 17446V2
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	50.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17446

SAMPLE: T2A-2

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17446

SAMPLE: T3B-1

DATE RECEIVED: 12/20/90
DATE EXTRACTED: 12/26/90
DATE ANALYZED: 12/26/90

RUN NUMBER: 17446V3
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	5.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	50.
100-42-5	STYRENE	ND	30.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
108-88-3	TOLUENE	ND	30.
71-55-6	1,1,1-TRICHLOROETHANE	13.	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	5.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	30.
		ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17446

SAMPLE: T3B-1

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17446

SAMPLE: TLA-1

DATE RECEIVED: 12/20/90
DATE EXTRACTED: 12/26/90
DATE ANALYZED: 12/26/90

RUN NUMBER: 17446V4
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	50.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17446

SAMPLE: TLA-1

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17446

SAMPLE: TLA-3

DATE RECEIVED: 12/20/90
DATE EXTRACTED: 12/26/90
DATE ANALYZED: 12/26/90

RUN NUMBER: 17446V5
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	50.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE SAMPLE: TLA-3
WCAS JOB #: 17446

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17446

SAMPLE: TLB-5

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17446

SAMPLE: LAB BLANK

DATE RECEIVED: 12/26/90
DATE EXTRACTED: 12/26/90
DATE ANALYZED: 12/26/90

RUN NUMBER: VBLK612
SAMPLE AMOUNT: BASED ON 1.0G
MATRIX: WATER

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	50.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17446

SAMPLE: LAB BLANK

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

INSTRUMENT : TRIO1
DATE ANALYZED: 12/26/90

FILENAME	SAMPLE ID	W/S	1,2-DICHLORO-ETHANE-d4	TOLUENE-d8	BFB
17446V1	T1B-1	S	105	98	104
17446V2	T2A-2	S	100	96	105
17446V3	T3B-1	S	99	89	98
17446V4	TLA-1	S	101	97	97
17446V5	TLA-3	S	101	91	94
VBLK612	LAB BLANK	W	101	91	94
17446V6	TLB-5	S	101	89	89

S - SOIL W - WATER

Data Reporting Qualifiers

Value - If the result is a value greater than or equal to the Detection Limit (DL), the value is reported.

ND - Indicates that the compound was analyzed for but not detected. The minimum DL for the sample with the ND is reported based on necessary concentration or dilution actions.

TR - Indicates an estimated value. This flag is used when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified DL but greater than zero.

Client: Levine-Fricke Sample: T3B-1
Job Number: 17446
Date Analyzed: 12-27-90 File: 7333
331

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	1.24	0.02	150	500
Arsenic	4	2	50	500
Barium	137	0.2	1000	10000
Beryllium	0.49	0.05	7.5	75
Cadmium	0.33	0.02	10	100
Chromium (III/VI)	27.2	0.3	5600/50	2500/500
Cobalt	9.26	0.02	800	8000
Copper	39.5	0.3	250	2500
Lead	38.5	0.1	50	1000
Mercury	0.04	0.02	2	20
Molybdenum	0.93	0.03	3500	3500
Nickel	22.3	0.2	200	2000
Selenium	0.7	0.3	10	100
Silver	0.06	0.02	50	500
Thallium	0.15	0.02	70	700
Vanadium	49	5	240	2400
Zinc	113	0.7	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke Sample: TLA-1
Job Number: 17446
Date Analyzed: 12-27-90 File: 7333 341

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	8.97	0.02	150	500
Arsenic	7	1	50	500
Barium	980	0.2	1000	10000
Beryllium	0.46	0.05	7.5	75
Cadmium	3.64	0.02	10	100
Chromium (III/VI)	32.5	0.3	5600/50	2500/500
Cobalt	9.86	0.02	800	8000
Copper	267 *	0.3	250	2500
Lead	600 *	0.1	50	1000
Mercury	0.15	0.03	2	20
Molybdenum	0.93	0.03	3500	3500
Nickel	20.4	0.6	200	2000
Selenium	2	0.3	10	100
Silver	0.27	0.02	50	500
Thallium	0.11	0.02	70	700
Vanadium	46	4	240	2400
Zinc	2400	0.7	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke Sample: TLA-3
Job Number: 17446
Date Analyzed: 12-27-90 File: 7333 351

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.93	0.02	150	500
Arsenic	3	2	50	500
Barium	98.9	0.2	1000	10000
Beryllium	0.55	0.05	7.5	75
Cadmium	0.14	0.02	10	100
Chromium (III/VI)	23	0.3	5600/50	2500/500
Cobalt	8.13	0.02	800	8000
Copper	17.9	0.3	250	2500
Lead	6.6	0.1	50	1000
Mercury	0.03	0.02	2	20
Molybdenum	0.47	0.03	3500	3500
Nickel	15.3	0.08	200	2000
Selenium	1	0.3	10	100
Silver	0.03	0.02	50	500
Thallium	0.11	0.02	70	700
Vanadium	40	8	240	2400
Zinc	48	0.7	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2193	Field Logbook No.:	Date: 12/20/90	Serial No.: № N- 0774
Project Name: JACK FEE	Project Location: SANTA FE SPRINGS		
Sampler (Signature): [signature] / Tom Shoop			Samplers: Scott Armstrong / Tom Shoop

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601	EPA 624	8240	418-1	8015 (modified)	CAM	HOLD	RUSH	REMARKS
T3B-1	12/20	1145		1	Soil			X			X			
T3B-10	12/20	1330		1	Soil				X	X				
T3B-4	12/20	1345		1	Soil					X				
TBB-2	12/20	1430		1	Soil					X				
TLA-1	12/20	—		1	Soil			X			X			
TLA-2	12/20	—		1	Soil									
TLA-3	12/20	1500		1	Soil			X			X			
TLB-1	12/20	—		1	Soil				X	X				
TLB-5	12/20	1605		1	Soil			X	X					

RELINQUISHED BY: (Signature) Tom Shoop	DATE 12/20/90	TIME 4:45	RECEIVED BY: (Signature) [signature]	DATE 12-20-90	TIME 4:45
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) 17446	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED ON ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE/FRICKE
1920 Main St., Ste. 750
Irvine, CA 92714

LEVINE-FRICKE
~~4019 Westerly Place, Suite 103~~
Newport Beach, ~~California 92660~~
~~(714) 955-1390 FAX (714) 955-0683~~

Analytical Laboratory:
West Coast Analytical

Shipping Copy (White) Lab Copy (Green) File Copy (Yellow) Field Copy (Pink)

FORM NO. 86/COC/ARF

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2193

Field Logbook No.: –

Date: 12/20/90

Serial No.: № N- 0773

Project Name: JACK FEE

Project Location: SANTA FE SPRINGS

Sampler (Signature): [signature] Tom Sharp

Samplers: SCOTT ARMSTRONG / Tom Sharp

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601	EPA 624	8240	418.1	8015 (modified)	CAM	HOLD	RUSH	REMARKS
T4B-1A	12/20	0750		1	SOIL				X	X				
T4A-2	↓	0805		↓	↓					X				
T4A-3		0820							X	X				
T4B-3		0830							X	X				
T4B-1B		0845							X					
T2B-1		0930							X	X				
T2B-6		0940							X					
T2B-2		1000							X					
T2A-1		0950								X				
T2A-2		1015						X						
T1B-1		1110						X						
T1B-2		1115							X					
T1A-1		1120							X					
T1B-4		1130							X					
T1A-4	↓	1135		↓	↓				X	X				
				–	–									

RELINQUISHED BY: (Signature) Tom Sharp	DATE 12/20/90	TIME 4:45	RECEIVED BY: (Signature) [signature] # 17446	DATE 12-20-90	TIME 4 45
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED ON ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE-FRICKE
1920 Main St., Suite A
Irvine, CA 92714

LEVINE-FRICKE
~~4019 Westerly Place, Suite 103~~
Newport Beach, California 92660
~~(714) 955-1390 FAX (714) 955-0683~~

Analytical Laboratory: West Coast Analytical Services

Shipping Copy (White) Lab Copy (Green) File Copy (Yellow) Field Copy (Pink)

FORM NO. 86/COC/ARF

2193

January 7, 1991

WEST COAST ANALYTICAL SERVICE, INC.
ANALYTICAL CHEMISTS

LEVINE-FRICKE
1920 Main Street
Suite 750
Irvine, CA 92714

Attn: Anthony Silva

JOB NO. 17513

A

LABORATORY REPORT

Samples Received: Two (2) Soil Samples
Date Received: 1-2-91
Purchase Order No: Proj#: 2193/Mobil - Jalk Fee

The samples were analyzed as follows:

Samples Analyzed	Analysis	Results
Two (2) soils	Fuel Hydrocarbons by Modified EPA 8015 (LUFT Manual, April 1989)	Table 1
Two (2) soils	Total Petroleum Hydrocarbons by EPA 418.1	Table 2
Two (2) soils	Volatile Organics by EPA 8260	Data Sheets
Two (2) soils	Surrogate Percent Recoveries for EPA 8260	Data Sheet
One (1) soil	Semi-Volatile Organics by EPA 8270	Data Sheets
One (1) soil	Surrogate Percent Recoveries for EPA 8270	Data Sheet

B. Michael Hovanec
Senior Staff Chemist

D. J. Northington, Ph.D.
President

RECEIVED
JAN - 8
LEVINE-FRICKE

9840 Alburtis Avenue • Santa Fe Springs, California 90670 • 213/948-2225 • FAX 213/948-5850

WEST COAST ANALYTICAL SERVICE, INC.

LEVINE FRICKE
Mr. Anthony Silva

Job # 17513
January 7, 1991

LABORATORY REPORT

TABLE 1

Parts Per Million (mg/Kg)

Fuel Hydrocarbons by Modified EPA 8015
(LUFT Manual, April 1989)

Sample No.	C_5-C_{10} Gasoline	C_7-C_{12} Mineral Spirits	C_7-C_{15} Kerosene	C_{10}-C_{20} Diesel Fuel	C_{20}-C_{30} Heavy Hydrocarbons
SB2-35	ND	ND	ND	ND	ND
SB2-50	ND	ND	ND	ND	ND
Detection Limit	10	10	10	10	100

ND - Not Detected

Date Analyzed: 1-3-91

TABLE 2

Parts Per Million (mg/Kg)

Sample No.	Total Petroleum Hydrocarbons by EPA 418.1
SB2-35	ND
SB2-50	ND
Detection Limit	10

ND - Not Detected

Date Analyzed: 1-4-91

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17513

SAMPLE: SB2-35

DATE RECEIVED: 01/02/91
DATE EXTRACTED: 01/02/91
DATE ANALYZED: 01/03/91

RUN NUMBER: 17513V2
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	40.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE SAMPLE: SB2-35
WCAS JOB #: 17513

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17513

SAMPLE: SB2-50

DATE RECEIVED: 01/02/91
DATE EXTRACTED: 01/02/91
DATE ANALYZED: 01/03/91

RUN NUMBER: 17513V1
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	40.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17513

SAMPLE: SB2-50

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17513

SAMPLE: LAB BLANK

DATE RECEIVED: 01/02/90
DATE EXTRACTED: 01/02/91
DATE ANALYZED: 01/02/91

RUN NUMBER: VBLK736
SAMPLE AMOUNT: BASED ON 1.0G
MATRIX: WATER

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/L (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	40.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17513

SAMPLE: LAB BLANK

UNITS: UG/L (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

DATE ANALYZED: 01/03/91
INSTRUMENT: 5101

MATRIX: SOIL

SAMPLE #	TOLUENE-D8	BFB	1,2-DICHLORO-ETHANE-D4
LAB BLANK	98	96	100
SB2-35	99	96	100
SB2-50	98	96	99

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17513

SAMPLE: SB2-50

DATE RECEIVED: 01/02/91
DATE EXTRACTED: 01/02/91
DATE ANALYZED: 01/03/91

RUN NUMBER: 17513B1
SAMPLE AMOUNT: 30G:1ML
MATRIX: SOIL

SEMI-VOLATILE ORGANICS (EPA 625/8270)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
83-32-9	ACENAPHTHENE	ND	30.
208-96-8	ACENAPHTHYLENE	ND	30.
120-12-7	ANTHRACENE	ND	30.
56-55-3	BENZO(A)ANTHRACENE	ND	30.
205-99-2	BENZO(B & K)FLUORANTHENES	ND	30.
191-24-2	BENZO(GHI)PERYLENE	ND	30.
50-32-8	BENZO(A)PYRENE	ND	30.
65-85-0	BENZOIC ACID	ND	30.
100-51-6	BENZYL ALCOHOL	ND	200.
111-91-1	BIS(2-CHLOROETHOXY)METHANE	ND	30.
111-44-4	BIS(2-CHLOROETHYL)ETHER	ND	30.
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	ND	30.
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	30.
101-55-3	4-BROMOPHENYL PHENYL ETHER	ND	200.
85-68-7	BUTYL BENZYL PHTHALATE	ND	30.
106-47-8	4-CHLOROANILINE	ND	30.
59-50-7	4-CHLORO-3-METHYLPHENOL	ND	30.
91-58-7	2-CHLORONAPHTHALENE	ND	30.
95-57-8	2-CHLOROPHENOL	ND	30.
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ND	30.
218-01-9	CHRYSENE	ND	30.
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	30.
132-64-9	DIBENZOFURAN	ND	30.
84-74-2	DI-N-BUTYL PHTHALATE	ND	30.
95-50-1	1,2-DICHLOROBENZENE	ND	30.
541-73-1	1,3-DICHLOROBENZENE	ND	30.
106-46-7	1,4-DICHLOROBENZENE	ND	30.
91-94-1	3,3'-DICHLOROBENZIDINE	ND	30.
120-33-2	2,4-DICHLOROPHENOL	ND	70.
84-66-2	DIETHYL PHTHALATE	ND	30.
105-67-9	2,4-DIMETHYLPHENOL	ND	30.
131-11-3	DIMETHYL PHTHALATE	ND	30.
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	30.
51-28-5	2,4-DINITROPHENOL	ND	200.
121-14-2	2,4-DINITROTOLUENE	ND	200.
606-20-2	2,6-DINITROTOLUENE	ND	30.
117-84-0	DI-N-OCTYL PHTHALATE	ND	30.
206-44-0	FLUORANTHENE	ND	30.
86-73-7	FLUORENE	ND	30.
118-74-1	HEXACHLOROBENZENE	ND	30.
87-68-3	HEXACHLOROBUTADIENE	ND	30.
77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	30.
67-72-1	HEXACHLOROETHANE	ND	30.
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	30.
78-59-1	ISOPHORONE	ND	30.
91-57-6	2-METHYLNAPHTHALENE	ND	30.

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17513

SAMPLE: SB2-50

DATE RECEIVED: 01/02/91
DATE EXTRACTED: 01/02/91
DATE ANALYZED: 01/03/91

RUN NUMBER: 17513B1
SAMPLE AMOUNT: 30G:1ML
MATRIX: SOIL

SEMI-VOLATILE ORGANICS (EPA 625/8270)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
95-48-7	2-METHYLPHENOL	ND	30.
106-44-5	4-METHYLPHENOL	ND	30.
91-20-3	NAPHTHALENE	ND	30.
88-74-4	2-NITROANILINE	ND	200.
99-09-2	3-NITROANILINE	ND	200.
100-01-6	4-NITROANILINE	ND	200.
98-95-3	NITROBENZENE	ND	30.
88-75-5	2-NITROPHENOL	ND	30.
100-02-7	4-NITROPHENOL	ND	200.
86-30-6	N-NITROSODIPHENYLAMINE **	ND	30.
621-64-7	N-NITROSODIPROPYLAMINE	ND	30.
87-86-5	PENTACHLOROPHENOL	ND	200.
85-01-8	PHENANTHRENE	ND	30.
108-95-2	PHENOL	ND	30.
129-00-0	PYRENE	ND	30.
120-82-1	1,2,4-TRICHLOROBENZENE	ND	30.
95-95-4	2,4,5-TRICHLOROPHENOL	ND	200.
88-06-2	2,4,6-TRICHLOROPHENOL	ND	30.

** - Cannot be separated from diphenylamine

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17513

SAMPLE: SB2-50

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	BNA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17513

SAMPLE: METHOD BLANK

DATE RECEIVED: 01/02/91
DATE EXTRACTED: 01/02/91
DATE ANALYZED: 01/03/91

RUN NUMBER: 17513B2
SAMPLE AMOUNT: 30G:1ML
MATRIX: SOIL

SEMI-VOLATILE ORGANICS (EPA 625/8270)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
83-32-9	ACENAPHTHENE	ND	30.
208-96-8	ACENAPHTHYLENE	ND	30.
120-12-7	ANTHRACENE	ND	30.
56-55-3	BENZO(A)ANTHRACENE	ND	30.
205-99-2	BENZO(B & K)FLUORANTHENES	ND	30.
191-24-2	BENZO(GHI)PERYLENE	ND	30.
50-32-8	BENZO(A)PYRENE	ND	30.
65-85-0	BENZOIC ACID	ND	200.
100-51-6	BENZYL ALCOHOL	ND	30.
111-91-1	BIS(2-CHLOROETHOXY)METHANE	ND	30.
111-44-4	BIS(2-CHLOROETHYL)ETHER	ND	30.
39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	ND	30.
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	200.
101-55-3	4-BROMOPHENYL PHENYL ETHER	ND	30.
85-68-7	BUTYL BENZYL PHTHALATE	ND	30.
106-47-8	4-CHLOROANILINE	ND	30.
59-50-7	4-CHLORO-3-METHYLPHENOL	ND	30.
91-58-7	2-CHLORONAPHTHALENE	ND	30.
95-57-8	2-CHLOROPHENOL	ND	30.
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	ND	30.
218-01-9	CHRYSENE	ND	30.
53-70-3	DIBENZO(A,H)ANTHRACENE	ND	30.
132-64-9	DIBENZOFURAN	ND	30.
84-74-2	DI-N-BUTYL PHTHALATE	ND	30.
95-50-1	1,2-DICHLOROBENZENE	ND	30.
541-73-1	1,3-DICHLOROBENZENE	ND	30.
106-46-7	1,4-DICHLOROBENZENE	ND	30.
91-94-1	3,3'-DICHLOROBENZIDINE	ND	70.
120-33-2	2,4-DICHLOROPHENOL	ND	30.
84-66-2	DIETHYL PHTHALATE	ND	30.
105-67-9	2,4-DIMETHYLPHENOL	ND	30.
131-11-3	DIMETHYL PHTHALATE	ND	30.
534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	200.
51-28-5	2,4-DINITROPHENOL	ND	200.
121-14-2	2,4-DINITROTOLUENE	ND	30.
606-20-2	2,6-DINITROTOLUENE	ND	30.
117-84-0	DI-N-OCTYL PHTHALATE	ND	30.
206-44-0	FLUORANTHENE	ND	30.
86-73-7	FLUORENE	ND	30.
118-74-1	HEXACHLOROBENZENE	ND	30.
87-68-3	HEXACHLOROBUTADIENE	ND	30.
77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	30.
67-72-1	HEXACHLOROETHANE	ND	30.
193-39-5	INDENO(1,2,3-CD)PYRENE	ND	30.
78-59-1	ISOPHORONE	ND	30.
91-57-6	2-METHYLNAPHTHALENE	ND	30.

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17513

SAMPLE: METHOD BLANK

DATE RECEIVED: 01/02/91
DATE EXTRACTED: 01/02/91
DATE ANALYZED: 01/03/91

RUN NUMBER: 17513B2
SAMPLE AMOUNT: 30G:1ML
MATRIX: SOIL

SEMI-VOLATILE ORGANICS (EPA 625/8270)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
95-48-7	2-METHYLPHENOL	ND	30.
106-44-5	4-METHYLPHENOL	ND	30.
91-20-3	NAPHTHALENE	ND	30.
88-74-4	2-NITROANILINE	ND	200.
99-09-2	3-NITROANILINE	ND	200.
100-01-6	4-NITROANILINE	ND	200.
98-95-3	NITROBENZENE	ND	30.
88-75-5	2-NITROPHENOL	ND	30.
100-02-7	4-NITROPHENOL	ND	200.
86-30-6	N-NITROSODIPHENYLAMINE **	ND	30.
621-64-7	N-NITROSODIPROPYLAMINE	ND	30.
87-86-5	PENTACHLOROPHENOL	ND	200.
85-01-8	PHENANTHRENE	ND	30.
108-95-2	PHENOL	ND	30.
129-00-0	PYRENE	ND	30.
120-82-1	1,2,4-TRICHLOROBENZENE	ND	30.
95-95-4	2,4,5-TRICHLOROPHENOL	ND	200.
88-06-2	2,4,6-TRICHLOROPHENOL	ND	30.

** - Cannot be separated from diphenylamine

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17513

SAMPLE: METHOD BLANK

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	BNA	

SEMI-VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

DATE ANALYZED: 01/03/91
INSTRUMENT: 4500

MATRIX: SOIL

SAMPLE #	NITRO-BENZENE-D5	2-FLUORO-BIPHENYL	TERPHENYL-D14	PHENOL-D5	2-FLUORO-PHENOL	TRIBROMO-PHENOL
SB2-50	74	88	90	76	72	79
METHOD BLANK	84	96	90	86	79	106

Data Reporting Qualifiers

Value - If the result is a value greater than or equal to the Detection Limit (DL), the value is reported.

ND - Indicates that the compound was analyzed for but not detected. The minimum DL for the sample with the ND is reported based on necessary concentration or dilution actions.

TR - Indicates an estimated value. This flag is used when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified DL but greater than zero.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 293

Field Logbook No.: —

Date: 1/2/91

Serial No.: № N- 0561

Project Name: MOBIL Santa Fe

Project Location: Santa Fe Springs

Sampler (Signature): [signature]

Samplers:

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	8240	8270	418.1	9315-MOD.	HOLD	RUSH	REMARKS
SB2-50	1/2/91	1205		1	Soil			X	X	ϕ	ϕ		X	ϕ INDICATE: [illegible] TAT
SB2-35	1/2/91	1134		1	Soil			ϕ		ϕ	ϕ	NA		
														PLEASE PERFORM A 24-HOUR RUSH ON CHEMICAL ANALYSIS (8240 & 8270) OF SOIL SAMPLE SB2-50
														PLEASE REPORT RESULTS TO ANTHONY SILVA

RELINQUISHED BY: (Signature) [signature]	DATE 1/2/91	TIME 1100a	RECEIVED BY: (Signature) [signature]	DATE 1/2/91	TIME 11:00a
RELINQUISHED BY: (Signature) [signature]	DATE 1/2/91	TIME 11:30a	RECEIVED BY: (Signature) [signature]	DATE 1-2-91	TIME 11:30
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) No 17513	DATE	TIME
METHOD OF SHIPMENT: PACKED ON BLUE ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE/FRICKE
1920 Main St., Ste. 750
Irvine, CA 92714

~~LEVINE-FRICKE~~
~~4019 Westerly Place, Suite 103~~
~~Newport Beach, California 92660~~
~~(714) 955-1390 FAX (714) 955-0683~~

Analytical Laboratory:
WEST COAST ANALYTICAL SERVICES, INC.
SANTA FE SPRINGS, CA.

Shipping Copy (White) Lab Copy (Green) File Copy (Yellow) Field Copy (Pink)

FORM NO. 86/COC/ARF

Analytical Report

LOG NO: 91-01-006

Received: 04 JAN 91
Reported: 11 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-006-1	SB5 @ 15'	03 JAN 91

PARAMETER	01-006-1
Nitric Acid Digestion with HCl, Date	01/07/91
Nitric Acid Digestion, Date	01/09/91
Antimony, mg/kg	7.1
Arsenic, mg/kg	<0.4
Barium, mg/kg	120
Beryllium, mg/kg	0.08
Cadmium, mg/kg	<0.06
Chromium, mg/kg	20
Cobalt, mg/kg	10
Copper, mg/kg	37
Lead, mg/kg	<0.04
Mercury, mg/kg	<0.3
Molybdenum, mg/kg	<0.08
Nickel, mg/kg	22
Selenium, mg/kg	0.8
Silver, mg/kg	<0.02
Thallium, mg/kg	<0.8
Vanadium, mg/kg	18
Zinc, mg/kg	64

RECEIVED
JAN 5
LEVINE-FRICKE

1200 Pacifico Avenue
Anaheim, CA 92805

714/978-0113
Fax: 714/978-9284

BCA B C Analytical

Analytical Report

LOG NO: 91-01-006

Received: 04 JAN 91
Reported: 11 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-006-2	SB13 @ 25'	03 JAN 91

PARAMETER	01-006-2
Petroleum Hydrocarbons (418.1), mg/kg	<10
TPH - Modified 8015	
Date Analyzed	01/08/91
Dilution Factor, Times	1
Total Fuel Hydrocarbons, mg/kg	<5
Other TPH - Modified 8015	---
EPA Method 8020	
Date Analyzed	01/07/91
Date Extracted	01/07/91
Dilution Factor, Times	1
1,2-Dichlorobenzene, ug/kg	<5
1,3-Dichlorobenzene, ug/kg	<5
1,4-Dichlorobenzene, ug/kg	<5
Benzene, ug/kg	<5
Chlorobenzene, ug/kg	<5
Ethylbenzene, ug/kg	<5
Toluene, ug/kg	<5
Total Xylene Isomers, ug/kg	<5

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Analytical Report

LOG NO: 91-01-006

Received: 04 JAN 91
Reported: 11 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-006-3	SB18 @ 25'	03 JAN 91

PARAMETER	01-006-3
Petroleum Hydrocarbons (418.1), mg/kg	<10
TPH - Modified 8015	
Date Analyzed	01/08/91
Dilution Factor, Times	1
Total Fuel Hydrocarbons, mg/kg	<5
Other TPH - Modified 8015	---
EPA Method 8020	
Date Analyzed	01/07/91
Date Extracted	01/07/91
Dilution Factor, Times	1
1,2-Dichlorobenzene, ug/kg	<5
1,3-Dichlorobenzene, ug/kg	<5
1,4-Dichlorobenzene, ug/kg	<5
Benzene, ug/kg	<5
Chlorobenzene, ug/kg	<5
Ethylbenzene, ug/kg	<5
Toluene, ug/kg	<5
Total Xylene Isomers, ug/kg	<5

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Analytical Report

LOG NO: 01-01-006

Received: 04 JAN 91
Reported: 11 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-006-3	SB18 @ 25'	03 JAN 91

PARAMETER	01-006-3
Vol.Pri.Poll. (EPA-8240)	
Date Analyzed	01/08/91
Date Extracted	01/08/91
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/kg	<5
1,1,2,2-Tetrachloroethane, ug/kg	<5
1,1,2-Trichloroethane, ug/kg	<5
1,1-Dichloroethane, ug/kg	<5
1,1-Dichloroethene, ug/kg	<5
1,2-Dichloroethane, ug/kg	<5
1,2-Dichlorobenzene, ug/kg	<5
1,2-Dichloropropane, ug/kg	<5
1,3-Dichlorobenzene, ug/kg	<5
1,4-Dichlorobenzene, ug/kg	<5
2-Chloroethylvinylether, ug/kg	<5
2-Hexanone, ug/kg	<50
Acetone, ug/kg	<50
Acrolein, ug/kg	<100
Acrylonitrile, ug/kg	<100
Bromodichloromethane, ug/kg	<5
Bromomethane, ug/kg	<5
Benzene, ug/kg	<5
Bromoform, ug/kg	<5
Chlorobenzene, ug/kg	<5
Carbon Tetrachloride, ug/kg	<5
Chloroethane, ug/kg	<5
Chloroform, ug/kg	<5
Chloromethane, ug/kg	<10

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BCA B C Analytical

Analytical Report

LOG NO: 91-01-006

Received: 04 JAN 91
Reported: 11 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-006-3	SB18 @ 25'	03 JAN 91

PARAMETER	01-006-3
Carbon Disulfide, ug/kg	<10
Dibromochloromethane, ug/kg	<5
Ethylbenzene, ug/kg	<5
Freon 113, ug/kg	<5
Methyl ethyl ketone, ug/kg	<50
Methyl isobutyl ketone, ug/kg	<25
Methylene chloride, ug/kg	<5
Styrene, ug/kg	<5
Trichloroethene, ug/kg	<5
Trichlorofluoromethane, ug/kg	<5
Toluene, ug/kg	<5
Tetrachloroethene, ug/kg	<5
Vinyl acetate, ug/kg	<25
Vinyl chloride, ug/kg	<5
Total Xylene Isomers, ug/kg	<25
cis-1,2-Dichloroethene, ug/kg	<5
cis-1,3-Dichloropropene, ug/kg	<5
trans-1,2-Dichloroethene, ug/kg	<5
trans-1,3-Dichloropropene, ug/kg	<5

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BCA B C Analytical

Analytical Report

LOG NO: 91-01-006

Received: 04 JAN 91
Reported: 11 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa e Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DA E SAMPLED
01-006-4	SB6 @ 15'	03 JAN 91
01-006-5	SB13 @ 10'	03 JAN 91
01-006-6	SB17 @ 10'	03 JAN 91

PARAMETER	01-006-4	01-006-5	01-006-6
Sample Held, Not Analyzed	HOLD	HOLD	HOLD

Charles Jacks

Charles Jacks, Ph.D., Laboratory Manager

1200 Pacifico Avenue
Anaheim, CA 92805

714/978-0113
Fax: 714/978-9284

BCA B C Analytical

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

A91-01-006

Project No.: 2193	Field Logbook No.: –	Date: 1/4/91	Serial No.: № 4747
Project Name: JACK FEE	Project Location: SANTA FE SPRINGS		
Sampler (Signature): [signature]			Samplers: [illegible]

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601	8260 ~~EPA 624~~	8020	418.1	8015 (mod)	CAM	HOLD	RUSH	REMARKS
SB5-15	1/3/91	0837		1	Soil						X			
SB6-15	1/3/91	0923		1	↓							X		
SB13-10	1/2/91	1505		1								X		
SB13-25	1/2/91	1530		1				X	X	X				
SB17-10	1/3/91	1205		1										
SB18-25	1/3/91	1357		1			X	X	X	X				per phone conversation w/ Anthony Silva 1/4/91 8240.LL method OK for 8260. SB17-10 should be on HOLD. C Strahan 1/4/91
														PLEASE REPORT RESULTS TO ANTHONY SILVA

RELINQUISHED BY: (Signature) [signature]	DATE 1/4/91	TIME 1336	RECEIVED BY: (Signature) Eric Strahan	DATE 1/4/91	TIME 1:45
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED ON BLUE ICE	DATE	TIME	LAB COMMENTS: Samples received chilled		

Sample Collector:
[illegible] ST, #750
IRVINE, CA 92714

LEVINE-FRICKE
1900 Powell Street, 12th Floor
Emeryville, Ca 94608
(415) 652-4500
714-955-1390

Analytical Laboratory:
B.C. ANALYTICAL

Analytical Report

LOG NO: 91-01-006

Received: 04 JAN 91
Reported: 11 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-006-1	SB5 @ 15'	03 JAN 91

PARAMETER	01-006-1
Nitric Acid Digestion with HCl, Date	01/07/91
Nitric Acid Digestion, Date	01/09/91
Antimony, mg/kg	7.1
Arsenic, mg/kg	<0.4
Barium, mg/kg	120
Beryllium, mg/kg	0.08
Cadmium, mg/kg	<0.06
Chromium, mg/kg	20
Cobalt, mg/kg	10
Copper, mg/kg	37
Lead, mg/kg	<0.04
Mercury, mg/kg	<0.3
Molybdenum, mg/kg	<0.08
Nickel, mg/kg	22
Selenium, mg/kg	0.8
Silver, mg/kg	<0.02
Thallium, mg/kg	<0.8
Vanadium, mg/kg	18
Zinc, mg/kg	64

RECEIVED
JAN 5
LEVINE-FRICKE

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BCA B C Analytical

Analytical Report

LOG NO: 91-01-006

Received: 04 JAN 91
Reported: 11 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-006-2	SB13 @ 25'	03 JAN 91

PARAMETER	01-006-2
Petroleum Hydrocarbons (418.1), mg/kg	<10
TPH - Modified 8015	
Date Analyzed	01/08/91
Dilution Factor, Times	1
Total Fuel Hydrocarbons, mg/kg	<5
Other TPH - Modified 8015	---
EPA Method 8020	
Date Analyzed	01/07/91
Date Extracted	01/07/91
Dilution Factor, Times	1
1,2-Dichlorobenzene, ug/kg	<5
1,3-Dichlorobenzene, ug/kg	<5
1,4-Dichlorobenzene, ug/kg	<5
Benzene, ug/kg	<5
Chlorobenzene, ug/kg	<5
Ethylbenzene, ug/kg	<5
Toluene, ug/kg	<5
Total Xylene Isomers, ug/kg	<5

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BCA B C Analytical

Analytical Report

LOG NO: 91-01-006

Received: 04 JAN 91
Reported: 11 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-006-3	SB18 @ 25'	03 JAN 91

PARAMETER	01-006-3
Petroleum Hydrocarbons (418.1), mg/kg	<10
TPH - Modified 8015	
Date Analyzed	01/08/91
Dilution Factor, Times	1
Total Fuel Hydrocarbons, mg/kg	<5
Other TPH - Modified 8015	---
EPA Method 8020	
Date Analyzed	01/07/91
Date Extracted	01/07/91
Dilution Factor, Times	1
1,2-Dichlorobenzene, ug/kg	<5
1,3-Dichlorobenzene, ug/kg	<5
1,4-Dichlorobenzene, ug/kg	<5
Benzene, ug/kg	<5
Chlorobenzene, ug/kg	<5
Ethylbenzene, ug/kg	<5
Toluene, ug/kg	<5
Total Xylene Isomers, ug/kg	<5

1200 Pacifico Avenue
Anaheim, CA 92805

714/978-0113
Fax: 714/978-9284

BCA B C Analytical

Analytical Report

LOG NO: 91-01-006

Received: 04 JAN 91
Reported: 11 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-006-3	SB18 @ 25'	03 JAN 91

PARAMETER	01-006-3
Vol.Pri.Poll. (EPA-8240)	
Date Analyzed	01/08/91
Date Extracted	01/08/91
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/kg	<5
1,1,2,2-Tetrachloroethane, ug/kg	<5
1,1,2-Trichloroethane, ug/kg	<5
1,1-Dichloroethane, ug/kg	<5
1,1-Dichloroethene, ug/kg	<5
1,2-Dichloroethane, ug/kg	<5
1,2-Dichlorobenzene, ug/kg	<5
1,2-Dichloropropane, ug/kg	<5
1,3-Dichlorobenzene, ug/kg	<5
1,4-Dichlorobenzene, ug/kg	<5
2-Chloroethylvinylether, ug/kg	<5
2-Hexanone, ug/kg	<50
Acetone, ug/kg	<50
Acrolein, ug/kg	<100
Acrylonitrile, ug/kg	<100
Bromodichloromethane, ug/kg	<5
Bromomethane, ug/kg	<5
Benzene, ug/kg	<5
Bromoform, ug/kg	<5
Chlorobenzene, ug/kg	<5
Carbon Tetrachloride, ug/kg	<5
Chloroethane, ug/kg	<5
Chloroform, ug/kg	<5
Chloromethane, ug/kg	<10

1200 Pacifico Avenue
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Fax: 714/978-9284

BCA B C Analytical

Analytical Report

LOG NO: 91-01-006

Received: 04 JAN 91
Reported: 11 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-006-3	SB18 @ 25'	03 JAN 91

PARAMETER	01-006-3
Carbon Disulfide, ug/kg	<10
Dibromochloromethane, ug/kg	<5
Ethylbenzene, ug/kg	<5
Freon 113, ug/kg	<5
Methyl ethyl ketone, ug/kg	<50
Methyl isobutyl ketone, ug/kg	<25
Methylene chloride, ug/kg	<5
Styrene, ug/kg	<5
Trichloroethene, ug/kg	<5
Trichlorofluoromethane, ug/kg	<5
Toluene, ug/kg	<5
Tetrachloroethene, ug/kg	<5
Vinyl acetate, ug/kg	<25
Vinyl chloride, ug/kg	<5
Total Xylene Isomers, ug/kg	<25
cis-1,2-Dichloroethene, ug/kg	<5
cis-1,3-Dichloropropene, ug/kg	<5
trans-1,2-Dichloroethene, ug/kg	<5
trans-1,3-Dichloropropene, ug/kg	<5

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BCA B C Analytical

Analytical Report

LOG NO: 91-01-006

Received: 04 JAN 91
Reported: 11 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa e Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DA E SAMPLED
01-006-4	SB6 @ 15'	03 JAN 91
01-006-5	SB13 @ 10'	03 JAN 91
01-006-6	SB17 @ 10'	03 JAN 91

PARAMETER	01-006-4	01-006-5	01-006-6
Sample Held, Not Analyzed	HOLD	HOLD	HOLD

Charles Jacks

Charles Jacks, Ph.D., Laboratory Manager

1200 Pacifico Avenue
Anaheim, CA 92805

714/978-0113
Fax: 714/978-9284

BCA B C Analytical

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

A91-01-006

Project No.: 2193

Field Logbook No.: –

Date: 1/4/91

Serial No.: № 4747

Project Name: Jack Fee

Project Location: Santa Fe Springs

Sampler (Signature): [signature]

Samplers: J.A.

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601	8260 ~~EPA 624~~	8020	418.1	8015 (mod)	CAM	HOLD	RUSH	REMARKS
SB5-15	1/3/91	0831		1	Soil						X			
SB6-15	1/3/91	0923		1	↓							X		
SB13-10	1/2/91	1505		1								X		
SB13-25	1/2/91	1530		1				X	X	X				
SB17-10	1/3/91	1205		1										
SB18-25	1/3/91	1357		1	↓		X	X	X	X				

per phone conversation w/ Anthony Silva 1/4/91 8240.LL method OK for 8260. SB17-10 should be on HOLD. E Strahan 1/4/91

PLEASE REPORT RESULTS TO ANTHONY SILVA

RELINQUISHED BY: (Signature) [signature]	DATE 1/4/91	TIME 1336	RECEIVED BY: (Signature) Eric Strahan	DATE 1/4/91	TIME 1:45
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED ON BLUE ICE	DATE	TIME	LAB COMMENTS: Samples received chilled		

Sample Collector:
1920 Main ST, #150
Irvine, CA 92714

LEVINE-FRICKE
1900 Powell Street, 12th Floor
Emeryville, Ca 94608
(415) 652-4500
714-955-1390

Analytical Laboratory:
B.C. Analytical

Analytical Report

2193

LOG NO: A91-01-032

Received: 09 JAN 91
Reported: 18 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-032-1	SB9 @ 5'	08 JAN 91

PARAMETER	01-032-1
Nitric Acid Digestion with HCl, Date	01/14/91
Nitric Acid Digestion, Date	01/14/91
Antimony, mg/kg	3.3
Arsenic, mg/kg	1.7
Barium, mg/kg	79
Beryllium, mg/kg	0.02
Cadmium, mg/kg	0.15
Chromium, mg/kg	16
Cobalt, mg/L	6.8
Copper, mg/kg	13
Lead, mg/L	<0.8
Mercury, mg/kg	<0.3
Molybdenum, mg/kg	0.13
Nickel, mg/kg	13
Selenium, mg/kg	<0.4
Silver, mg/kg	<0.02
Thallium, mg/kg	<8
Vanadium, mg/kg	21
Zinc, mg/kg	34
Petroleum Hydrocarbons (418.1), mg/kg	11

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JAN 4
LEVINE-FRICKE

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Anaheim, CA 92805

714/978-0113
Fax: 714/978-9284

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Analytical Report

LOG NO: A91-01-032

Received: 09 JAN 91
Reported: 18 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-032-1	SB9 @ 5'	08 JAN 91

PARAMETER	01-032-1
TPH - Modified 8015	
Date Analyzed	01/10/91
Dilution Factor, Times	1
Total Fuel Hydrocarbons, mg/kg	<5
Other TPH - Modified 8015	---

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BCA B C Analytical

Analytical Report

LOG NO: A91-01-032

Received: 09 JAN 91
Reported: 18 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-032-2	SB14 @ 25'	08 JAN 91

PARAMETER	01-032-2
Petroleum Hydrocarbons (418.1), mg/kg	<10
TPH - Modified 8015	
Date Analyzed	01/10/91
Dilution Factor, Times	1
Total Fuel Hydrocarbons, mg/kg	<5
Other TPH - Modified 8015	---

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BCA B C Analytical

Analytical Report

LOG NO: A91-01-032

Received: 09 JAN 91
Reported: 18 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-032-2	SB14 @ 25'	08 JAN 91

PARAMETER	01-032-2
Vol.Pri.Poll. (EPA-8240)	
Date Analyzed	01/11/91
Date Extracted	01/11/91
Dilution Factor, Times	1
1,1,1-Trichloroethane, ug/kg	<5
1,1,2,2-Tetrachloroethane, ug/kg	<5
1,1,2-Trichloroethane, ug/kg	<5
1,1-Dichloroethane, ug/kg	<5
1,1-Dichloroethene, ug/kg	<5
1,2-Dichloroethane, ug/kg	<5
1,2-Dichlorobenzene, ug/kg	<5
1,2-Dichloropropane, ug/kg	<5
1,3-Dichlorobenzene, ug/kg	<5
1,4-Dichlorobenzene, ug/kg	<5
2-Chloroethylvinylether, ug/kg	<5
2-Hexanone, ug/kg	<50
Acetone, ug/kg	<50
Acrolein, ug/kg	<100
Acrylonitrile, ug/kg	<100
Bromodichloromethane, ug/kg	<5
Bromomethane, ug/kg	<5
Benzene, ug/kg	<5
Bromoform, ug/kg	<5
Chlorobenzene, ug/kg	<5
Carbon Tetrachloride, ug/kg	<5
Chloroethane, ug/kg	<5
Chloroform, ug/kg	<5
Chloromethane, ug/kg	<10

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Analytical Report

LOG NO: A91-01-032

Received: 09 JAN 91
Reported: 18 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-032-2	SB14 @ 25'	08 JAN 91

PARAMETER	01-032-2
Carbon Disulfide, ug/kg	<10
Dibromochloromethane, ug/kg	<5
Ethylbenzene, ug/kg	<5
Freon 113, ug/kg	<5
Methyl ethyl ketone, ug/kg	<50
Methyl isobutyl ketone, ug/kg	<25
Methylene chloride, ug/kg	<5
Styrene, ug/kg	<5
Trichloroethene, ug/kg	<5
Trichlorofluoromethane, ug/kg	<5
Toluene, ug/kg	<5
Tetrachloroethene, ug/kg	<5
Vinyl acetate, ug/kg	<25
Vinyl chloride, ug/kg	<5
Total Xylene Isomers, ug/kg	<25
cis-1,2-Dichloroethene, ug/kg	<5
cis-1,3-Dichloropropene, ug/kg	<5
trans-1,2-Dichloroethene, ug/kg	<5
trans-1,3-Dichloropropene, ug/kg	<5

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BCA B C Analytical

Analytical Report

LOG NO: A91-01-032

Received: 09 JAN 91
Reported: 18 JAN 91

Mr. Anthony Silva
Levine-Fricke
1920 Main Street, Suite 750
Irvine, California 92714

Project: 2193/Santa Fe Springs

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
01-032-3	SB22 @ 25'	08 JAN 91

PARAMETER	01-032-3
Petroleum Hydrocarbons (418.1), mg/kg	<10
TPH - Modified 8015	
Date Analyzed	01/10/91
Dilution Factor, Times	1
Total Fuel Hydrocarbons, mg/kg	<5
Other TPH - Modified 8015	---
EPA Method 8020	
Date Analyzed	01/11/91
Date Extracted	01/11/91
Dilution Factor, Times	1
1,2-Dichlorobenzene, ug/kg	<5
1,3-Dichlorobenzene, ug/kg	<5
1,4-Dichlorobenzene, ug/kg	<5
Benzene, ug/kg	<5
Chlorobenzene, ug/kg	<5
Ethylbenzene, ug/kg	<5
Toluene, ug/kg	<5
Total Xylene Isomers, ug/kg	<5

Charles Jacks

Charles Jacks, Ph.D., Laboratory Manager

1200 Pacifico Avenue
Anaheim, CA 92805

714/978-0113
Fax: 714/978-9284

BCA B C Analytical

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

A91-01-032

Project No.: 2193	Field Logbook No.: –	Date: 1/8/91	Serial No.: Nº N- 0791
Project Name: Jack Fee	Project Location: Santa Fe Springs		
Sampler (Signature): [signature]			

SAMPLES						ANALYSES									Samplers: [signature]
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	8240 ~~EPA 624~~	8250	418.1	8015(mod)	CAM	HOLD	RUSH	REMARKS	
SB7-5	1/8/91	1120		1	Soil				X	X	X				
SB14-25	1/8/91	1330		1	Soil		X		X	X					
SB22-25	1/8/91	1518		1	Soil			X	X	X					

RELINQUISHED BY: (Signature) [signature]	DATE 1/8/91	TIME 1530	RECEIVED BY: (Signature) Eric Strahan	DATE 1/9/91	TIME 3:30 pm
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED ON BLUE ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE/FRICKE
1920 Main St, Ste. 750
Irvine, CA 92714

LEVINE-FRICKE
~~4019 Westerly Place, Suite 103~~
~~Newport Beach, California 92660~~
(714) 955-1390 FAX (714) 955-0683

Analytical Laboratory:
B.C. Analytical

2193

January 11, 1991

WEST COAST ANALYTICAL SERVICE, INC

ANALYTICAL CHEMIST

LEVINE-FRICKE
1920 Main Street
Suite 750
Irvine, CA 92714

Attn: Anthony Silva

JOB NO. 17519

A

LABORATORY REPORT

Samples Received: Thirty (30) Soil Samples
Date Received: 1-2-91
Date Released for Analysis: 1-4-91
Purchase Order No: Proj#: 2193/Mobil - Jalk Fee

The samples were analyzed as follows:

Samples Analyzed	Analysis	Results
Nine (9) soils	Total Petroleum Hydrocarbons by EPA 418.1	Table 1
Nine (9) soils	Fuel Hydrocarbon by Modified EPA 8015 (LUFT Manual, April 1989)	Table 2
Four (4) soils	Volatile Organics by EPA 8260	Data Sheets
Four (4) soils	Surrogate Percent Recoveries for EPA 8260	Data Sheet
One (1) soil	CAM (17) Metals by ICPMS	Data Sheet
Six (6) soils	Volatile Aromatics by EPA 8020	Data Sheets

Michael Shelton
Technical Director

D. J. Northington, Ph.D.
President

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JAN 5
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9840 Alburtis Avenue • Santa Fe Springs, California 90670 • 213/948-2225 • FAX 213/948-5850

WEST COAST ANALYTICAL SERVICE, INC.

LEVINE FRICKE
Mr. Anthony Silva

Job # 17519
January 11, 1991

LABORATORY REPORT

TABLE 1

Parts Per Million (mg/Kg)

Sample No.	Total Petroleum Hydrocarbons by EPA 418.1
SB2-15	ND
SB10-5	13
SB10-20	ND
SB11-5	ND
SB11-25	16
SB12-10	ND
SB12-20	ND
SB13-5	ND
SB13-25	ND
Detection Limit	10

ND - Not Detected
Date Analyzed: 1-9-91

TABLE 2

Parts Per Million (mg/Kg)

Fuel Hydrocarbons by Modified EPA 8015
(LUFT Manual, April 1989)

Sample No.	C_5-C_{10} Gasoline	C_7-C_{12} Mineral Spirits	C_7-C_{15} Kerosene	$C_{10}-C_{20}$ Diesel Fuel	$C_{20}-C_{30}$ Heavy Hydrocarbons
SB2-15	ND	ND	ND	ND	ND
SB10-5	ND	ND	ND	ND	ND
SB10-20	ND	ND	ND	ND	ND
SB11-5	ND	ND	ND	ND	ND
SB11-25	ND	ND	ND	ND	ND
SB12-10	ND	ND	ND	ND	ND
SB12-20	ND	ND	ND	ND	ND
SB13-5	ND	ND	ND	ND	ND
SB13-25	ND	ND	ND	ND	ND
Detection Limit	10	10	10	10	100

ND - Not Detected
Date Analyzed: 1-9-91

Client: LEVINE-FRICKE
Job Number: 17519
Date Analyzed: 01-09-91

Sample: SB2-15

File: 752
24

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.8	0.2	150	500
Arsenic	3.6	0.5	50	500
Barium	173	0.07	1000	10000
Beryllium	0.43	0.02	7.5	75
Cadmium	0.04	0.02	10	100
Chromium (III/VI)	24.9	0.4	5600/50	2500/50
Cobalt	10.9	0.02	800	8000
Copper	24.1	0.09	250	2500
Lead	6.94	0.02	50	1000
Mercury	ND<0.08	0.08	2	20
Molybdenum	0.22	0.02	3500	3500
Nickel	21.4	0.3	200	2000
Selenium	0.5	0.1	10	100
Silver	0.03	0.02	50	500
Thallium	0.14	0.02	70	700
Vanadium	42	3	240	2400
Zinc	66.8	0.5	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: LEVINE-FRICKE
Job No: 17519
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: SB10-5
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	2	1
Toluene	1	1
Total Xylenes	9	1
Surrogate Percent Recovery:	100	

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17519
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: SB10-20
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	2	1
Toluene	1	1
Total Xylenes	6	1
Surrogate Percent Recovery:	98	

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17519
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: SB12-10
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	3	1
Surrogate Percent Recovery:	102	

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17519
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: SB12-25
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	1	1
Toluene	2	1
Total Xylenes	3	1
Surrogate Percent Recovery:	84	

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17519
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: SB13-5
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	2	1
Surrogate Percent Recovery:	94	

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17519
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: SB13-25
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	ND	1
Surrogate Percent Recovery:	85	

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17519
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: METHOD BLANK

Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	2	1
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	ND	1

Surrogate Percent Recovery: 78

ND-Not Detected. The limit of detection is reported above.

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17519

SAMPLE: SB11-5

DATE RECEIVED: 01/02/91
DATE EXTRACTED: 01/07/91
DATE ANALYZED: 01/07/91

RUN NUMBER: 17519V1
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17519

SAMPLE: SB11-5

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17519

SAMPLE: SB11-25

DATE RECEIVED: 01/02/91
DATE EXTRACTED: 01/07/91
DATE ANALYZED: 01/07/91

RUN NUMBER: 17519V2
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17519

SAMPLE: SB11-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17519

SAMPLE: SB12-10

DATE RECEIVED: 01/02/91
DATE EXTRACTED: 01/07/91
DATE ANALYZED: 01/07/91

RUN NUMBER: 17519V3
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17519

SAMPLE: SB12-10

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17519

SAMPLE: SB12-20

DATE RECEIVED: 01/02/91
DATE EXTRACTED: 01/07/91
DATE ANALYZED: 01/07/91

RUN NUMBER: 17519V4
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17519

SAMPLE: SB12-20

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17519

SAMPLE: LAB BLANK

DATE RECEIVED: 01/02/91
DATE EXTRACTED: 01/07/91
DATE ANALYZED: 01/07/91

RUN NUMBER: VBLK739
SAMPLE AMOUNT: BASED ON 1.0G
MATRIX: WATER

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	5.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	30.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
108-88-3	TOLUENE	ND	30.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	5.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	30.
		ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FRICKE
WCAS JOB #: 17519

SAMPLE: LAB BLANK

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

DATE ANALYZED: 01/07/91
INSTRUMENT: 5101

MATRIX: SOIL

SAMPLE #	TOLUENE-D8	BFB	1,2-DICHLORO-ETHANE-D4
LAB BLANK	98	96	94
SB11-5	99	96	98
SB11-25	100	97	98
SB12-10	99	98	99
SB12-20	99	97	98

Data Reporting Qualifiers

Value - If the result is a value greater than or equal to the Detection Limit (DL), the value is reported.

ND - Indicates that the compound was analyzed for but not detected. The minimum DL for the sample with the ND is reported based on necessary concentration or dilution actions.

TR - Indicates an estimated value. This flag is used when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified DL but greater than zero.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2173	Field Logbook No.: –	Date: 1/2/91	Serial No.: Nº N- 0560
Project Name: Jack Fee	Project Location: Jack Fee Station		
Sampler (Signature): [signature]			

SAMPLES						ANALYSES									Samplers: [illegible]
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624						HOLD	RUSH	REMARKS
SB10-5	1/2/91	1255		1	Soil								X		
SB10-10	↓	1300		1	↓								X		
SB10-15		1308		1									X		
SB10-20		1315		1									X		
SB10-25		1320		1									X		
SB11-5		1140		1									X		
SB11-10		1145		1									X		
SB11-15		1156		1									X		
SB11-20		1205		1									X		
SB11-25		1215		1									X		
SB12-5		1355		1									X		
SB12-10		1403		1									X		
SB12-15		1410		1									X		
SB12-20		1420		1									X		
SB12-25	↓	1427		1	↓								X		

RELINQUISHED BY: (Signature) [signature]	DATE 1/2/91	TIME 1730	RECEIVED BY: (Signature) April Richards WCAS	DATE 1/3/91	TIME 2:35 pm
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) 317519	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED W/ BLUE ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE/FRICKE
1920 Main St., Ste. 750
Irvine, CA 92714

~~LEVINE-FRICKE~~
~~4019 Westerly Place, Suite 103~~
~~Newport Beach, California 92660~~
~~(714) 955-1390 FAX (714) 955-0683~~

Analytical Laboratory:
West Coast Analytical

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2173	Field Logbook No.: --	Date: 1/2/91	Serial No.: Nº N- 0559
Project Name: Jack Fee	Project Location: Santa Fe Springs		
Sampler (Signature): [signature]			Samplers: [illegible]

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624					HOLD	RUSH	REMARKS
SB2-5	1/1/91	0340		1	Soil							X		
SB2-10	↓	0351		1	↓							X		
SB2-15		0357		1								X		
SB2-20		0707		1								X		
SB2-25		0714		1								X		
SB2-30		0726		1								X		
~~SB2-35~~		~~0734~~		~~1~~								~~X~~		
SB2-40		0744		1								X		
SB2-45		0754		1								X		
SB2-55		1025		1								X		
SB2-60	↓	1030		1	↓							X		
SB13-5	1/2/91	1457		1	Soil							X		
SB13-10	↓	1505		1	↓							X		
SB13-15		1510		1								X		
SB13-20		1520		1								X		
SB13-25	↓	1530		1	↓							X		

RELINQUISHED BY: (Signature) [signature]	DATE 1/2/91	TIME 1730	RECEIVED BY: (Signature) April Richards NCAS	DATE 1/2/91	TIME 5:45 pm
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) 17:19	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: FEDEX on blue ice	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE/FRICKE
1920 Main St., Ste. 750
Irvine, CA 92714

~~LEVINE FRICKE~~
~~4019 Westerly Place, Suite 103~~
~~Newport Beach, California 92660~~
~~(714) 955-1390 FAX (714) 955-0683~~

Analytical Laboratory:
West Coast Analytical

2193

January 14, 1991

WEST COAST ANALYTICAL SERVICE, INC
ANALYTICAL CHEMIST

LEVINE-FRICKE
1920 Main Street
Suite 750
Irvine, CA 92714

Attn: Anthony Silva

JOB NO. 17529

A

LABORATORY REPORT

Samples Received: Forty-nine (49) Soil Samples
Date Received: 1-3-91
Date Released for Analysis: 1-4-91
Purchase Order No: Proj#: 2193/Mobil - Jalk Fee

The samples were analyzed as follows:

Samples Analyzed	Analysis	Results
Sixteen (16) soils	Total Petroleum Hydrocarbons by EPA 418.1	Table 1
Sixteen (16) soils	Fuel Hydrocarbons by Modified EPA 8015 (LUFT Manual, April 1989)	Table 2
Seven (7) soils	CAM (17) Metals by ICPMS	Data Sheets
Two (2) soils	QC Summary by ICPMS	Data Sheet
Seven (7) soils	Volatile Aromatics by EPA 8020	Data Sheets

RECEIVED
JAN 6
LEVINE-FRICKE

Michael Shelton
Technical Director

D. J. Northington, Ph.D.
President

9840 Alburtis Avenue • Santa Fe Springs, California 90670 • 213/948-2225 • FAX 213/948-5850

WEST COAST ANALYTICAL SERVICE, INC.

LEVINE FRICKE
Mr. Anthony Silva

Job # 17529
January 14, 1991

LABORATORY REPORT

Samples Analyzed	Analysis	Results
Fourteen (14) soils	Volatile Organics by EPA 8260	Data Sheets
Fourteen (14) soils	Surrogate Percent Recoveries for EPA 8260	Data Sheet

WEST COAST ANALYTICAL SERVICE, INC.

LEVINE FRICKE
Mr. Anthony Silva

Job # 17529
January 14, 1991

LABORATORY REPORT

TABLE 1

Parts Per Million (mg/Kg)

Sample No.	Total Petroleum Hydrocarbons by EPA 418.1
SB4-10	ND
SB4-25	ND
SB5-10	ND
SB5-25	ND
SB6-10	ND
SB6-25	ND
SB7-10	ND
SB7-30	ND
SB15-5	ND
SB15-20	ND
SB17-5	ND
SB17-20	ND
SB18-5	ND
SB18-25	ND
SB19-10	ND
SB19-15	ND
Detection Limit	10

ND - Not Detected

Date Analyzed: 1-9-91

WEST COAST ANALYTICAL SERVICE, INC.

LEVINE FRICKE
Mr. Anthony Silva

Job # 17529
January 14, 1991

LABORATORY REPORT

TABLE 2

Parts Per Million (mg/Kg)

Fuel Hydrocarbons by Modified EPA 8015
(LUFT Manual, April 1989)

Sample No.	C_5-C_{10} Gasoline	C_7-C_{12} Mineral Spirits	C_7-C_{15} Kerosene	$C_{10}-C_{20}$ Diesel Fuel	$C_{20}-C_{30}$ Heavy Hydrocarbons
SB4-10	ND	ND	ND	ND	ND
SB4-25	ND	ND	ND	ND	ND
SB5-10	ND	ND	ND	ND	ND
SB5-25	ND	ND	ND	ND	ND
SB6-10	ND	ND	ND	ND	ND
SB6-25	ND	ND	ND	ND	ND
SB7-10	ND	ND	ND	ND	ND
SB7-30	ND	ND	ND	ND	ND
SB15-5	ND	ND	ND	ND	ND
SB15-20	ND	ND	ND	ND	ND
SB17-5	ND	ND	ND	ND	ND
SB17-20	ND	ND	ND	ND	ND
SB18-5	ND	ND	ND	ND	ND
SB18-25	ND	ND	ND	ND	ND
SB19-10	ND	ND	ND	ND	ND
SB19-15	ND	ND	ND	ND	ND
Detection Limit	10	10	10	10	100

ND - Not Detected

Date Analyzed: 1-11-91

Client: LEVINE-FRICKE
Job Number: 17529
Date Analyzed: 01-09-91

Sample: SB4a-10

File: 7529 341

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	1.21	0.06	150	500
Arsenic	7.6	0.6	50	500
Barium	157	0.06	1000	10000
Beryllium	0.61	0.02	7.5	75
Cadmium	0.05	0.02	10	100
Chromium (III/VI)	29.8	0.3	5600/50	2500/500
Cobalt	10.4	0.02	800	8000
Copper	21.7	0.2	250	2500
Lead	7.07	0.06	50	1000
Mercury	ND<0.02	0.02	2	20
Molybdenum	0.26	0.02	3500	3500
Nickel	21.5	0.2	200	2000
Selenium	0.8	0.2	10	100
Silver	0.03	0.02	50	500
Thallium	0.13	0.02	70	700
Vanadium	51	4	240	2400
Zinc	54.3	0.6	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: LEVINE-FRICKE Sample: SB4a-15
Job Number: 17529
Date Analyzed: 01-09-91 File: 7529 261

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.63	0.06	150	500
Arsenic	2.7	0.7	50	500
Barium	147	0.06	1000	10000
Beryllium	0.37	0.02	7.5	75
Cadmium	0.09	0.02	10	100
Chromium (III/VI)	21.8	0.3	5600/50	2500/500
Cobalt	8.14	0.02	800	8000
Copper	17.6	0.2	250	2500
Lead	4.98	0.06	50	1000
Mercury	ND<0.02	0.02	2	20
Molybdenum	0.11	0.02	3500	3500
Nickel	15	2	200	2000
Selenium	0.7	0.2	10	100
Silver	ND<0.02	0.02	50	500
Thallium	0.11	0.02	70	700
Vanadium	34.6	1	240	2400
Zinc	49.1	0.6	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: LEVINE-FRICKE
Job Number: 17529
Date Analyzed: 01-09-91

Sample: SB5a-10

File: 7529 271

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.77	0.06	150	500
Arsenic	6.6	0.5	50	500
Barium	94.3	0.06	1000	10000
Beryllium	0.57	0.02	7.5	75
Cadmium	0.04	0.02	10	100
Chromium (III/VI)	19.9	0.3	5600/50	2500/500
Cobalt	6.16	0.02	800	8000
Copper	19.6	0.2	250	2500
Lead	5.97	0.06	50	1000
Mercury	0.02	0.02	2	20
Molybdenum	0.15	0.02	3500	3500
Nickel	16	0.09	200	2000
Selenium	0.7	0.2	10	100
Silver	0.03	0.02	50	500
Thallium	0.08	0.02	70	700
Vanadium	37	3	240	2400
Zinc	41.3	0.6	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: LEVINE-FRICKE
Job Number: 17529
Date Analyzed: 01-09-91

Sample: SB5a-15

File: 7529 281

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.7	0.06	150	500
Arsenic	1.5	0.5	50	500
Barium	180	0.06	1000	10000
Beryllium	0.64	0.02	7.5	75
Cadmium	0.07	0.02	10	100
Chromium (III/VI)	39.2	0.3	5600/50	2500/500
Cobalt	10.5	0.02	800	8000
Copper	27.4	0.2	250	2500
Lead	7.03	0.06	50	1000
Mercury	0.02	0.02	2	20
Molybdenum	0.25	0.02	3500	3500
Nickel	27.9	0.5	200	2000
Selenium	0.9	0.2	10	100
Silver	0.15	0.02	50	500
Thallium	0.2	0.02	70	700
Vanadium	43	2	240	2400
Zinc	78.2	0.6	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: LEVINE-FRICKE
Job Number: 17529
Date Analyzed: 01-09-91

Sample: SB6a-10

File: 7529 291

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.64	0.06	150	500
Arsenic	2.9	0.6	50	500
Barium	70.8	0.06	1000	10000
Beryllium	0.23	0.02	7.5	75
Cadmium	0.04	0.02	10	100
Chromium (III/VI)	11.7	0.3	5600/50	2500/500
Cobalt	4.7	0.02	800	8000
Copper	12.1	0.2	250	2500
Lead	3.33	0.06	50	1000
Mercury	ND<0.02	0.02	2	20
Molybdenum	0.28	0.02	3500	3500
Nickel	9.03	0.1	200	2000
Selenium	ND<0.2	0.2	10	100
Silver	ND<0.02	0.02	50	500
Thallium	0.04	0.02	70	700
Vanadium	27	3	240	2400
Zinc	29.3	0.6	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: LEVINE-FRICKE
Job Number: 17529
Date Analyzed: 01-09-91

Sample: SB7a-10

File: 7529 301

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.77	0.06	150	500
Arsenic	6.9	0.5	50	500
Barium	105	0.06	1000	10000
Beryllium	0.53	0.02	7.5	75
Cadmium	0.02	0.02	10	100
Chromium (III/VI)	20.3	0.3	5600/50	2500/500
Cobalt	7.61	0.02	800	8000
Copper	21.1	0.2	250	2500
Lead	6.21	0.06	50	1000
Mercury	ND<0.02	0.02	2	20
Molybdenum	0.31	0.02	3500	3500
Nickel	14.9	0.06	200	2000
Selenium	1.2	0.2	10	100
Silver	0.05	0.02	50	500
Thallium	0.1	0.02	70	700
Vanadium	37	4	240	2400
Zinc	43.8	0.6	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: LEVINE-FRICKE
Job Number: 17529
Date Analyzed: 01-09-91

Sample: SB7a-15

File: 7529 311

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.73	0.06	150	500
Arsenic	2.2	0.4	50	500
Barium	146	0.06	1000	10000
Beryllium	0.45	0.02	7.5	75
Cadmium	0.05	0.02	10	100
Chromium (III/VI)	19.5	0.3	5600/50	2500/500
Cobalt	8.64	0.02	800	8000
Copper	17.9	0.2	250	2500
Lead	5.78	0.06	50	1000
Mercury	0.03	0.02	2	20
Molybdenum	0.26	0.02	3500	3500
Nickel	17.2	0.3	200	2000
Selenium	0.6	0.2	10	100
Silver	0.03	0.02	50	500
Thallium	0.11	0.02	70	700
Vanadium	35	3	240	2400
Zinc	54.2	0.6	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.

Client: Levine-Fricke
Job Number: 17529
Date Analyzed: 1-09-91
Matrix: Soil

Sample: SB4a-10

Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry

Parts Per Million

	Sample 7529 341	Duplicate 7529 351	RPD %	Spike Conc ppm	Spk Rslt 7529 361	% Recovery	Detect. Limit
Beryllium	0.61	0.63	3.2	20	21.9	106.4	0.02
Vanadium	51	50		20	70		5
Chromium	29.8	29.9	0.3	20	51.2		0.3
Cobalt	10.4	10.4	0	20	29.9	97.5	0.02
Nickel	21.5	21.4	0.5	20	41.7		0.2
Copper	21.7	21.5	0.9	20	39.2		0.2
Zinc	54.3	53.1	2.2	20	71.6		0.6
Arsenic	7.6	7.6		20	27	97	1
Selenium	0.8	1		200	188	93.6	0.2
Molybdenum	0.26	0.27		20	20	98.7	0.02
Silver	0.03	ND<0.02		20	18.1	90.4	0.02
Cadmium	0.05	0.05		20	18.1	90.3	0.05
Antimony	1.21	0.92		20	14.5	67.2	0.06
Barium	157	153	2.6	20	214		0.06
Mercury	ND<0.02	0.07		2	2.24	110.3	0.02
Thallium	0.13	0.11		20	19.9	98.9	0.02
Lead	7.07	6.9	2.4	20	29	110.1	0.06

Client: Levine-Fricke
Job Number: 17529
Date Analyzed: 1-09-91
Matrix: Soil

Sample: SB4a-10

Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry

Parts Per Million

	Sample 7529 341	Spike Conc ppm	MS 7529 361	% Recovery	MSD 7529 371	% Recovery	RPD %
Beryllium	0.61	20	21.9	106.5	22	107	0.5
Vanadium	51	20	70		71		1.4
Chromium	29.8	20	51.2		51.2		0
Cobalt	10.4	20	29.9	97.5	29.9	97.5	0
Nickel	21.5	20	41.7		41.8		0.2
Copper	21.7	20	39.2		40		2
Zinc	54.3	20	71.6		72.1		0.7
Arsenic	7.6	20	27	97	25	87	7.7
Selenium	0.8	200	188	93.6	188	93.6	0
Molybdenum	0.26	20	20	98.7	19.9	98.2	0.5
Silver	0.03	20	18.1	90.4	18.7	93.4	3.3
Cadmium	0.05	20	18.1	90.3	18.5	92.3	2.2
Antimony	1.21	20	14.5	66.5	16.7	77.5	14.1
Barium	157	20	214		182		16.2
Mercury	ND<0.02	2	2.24	112	2.25	112.5	0.4
Thallium	0.13	20	19.9	98.8	19.3	95.9	3.1
Lead	7.07	20	29	109.7	29	109.7	0

Client: LEVINE-FRICKE
Job No: 17529
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: SB7-15
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	ND	1

Surrogate Percent Recovery: 85

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17529
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: SB15-10
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	8	1
Toluene	ND	1
Total Xylenes	66	1

Surrogate Percent Recovery: 93

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17529
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: SB15-25
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	ND	1

Surrogate Percent Recovery: 91

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17529
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: SB18-5
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	ND	1

Surrogate Percent Recovery: 78

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17529
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: SB18-25
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	ND	1

Surrogate Percent Recovery: 96

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17529
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: SB19-10
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	ND	1

Surrogate Percent Recovery: 89

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17529
Date Analyzed: 11-Jan-91
Analysis: EPA 602 (8020)

Sample: SB19-15
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	ND	2
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	6	1
Surrogate Percent Recovery:	82	

ND-Not Detected. The limit of detection is reported above.

Client: LEVINE-FRICKE
Job No: 17529
Date Analyzed: 10-Jan-91
Analysis: EPA 602 (8020)

Sample: METHOD BLANK
Matrix: Soil
Samp Amt: 1 gm
Dil Fact: 1

Compound	Concentration ug/Kg	Detection Limits
Benzene	ND	1
Chlorobenzene	2	1
1,2-Dichlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
Ethylbenzene	ND	1
Toluene	ND	1
Total Xylenes	ND	1
Surrogate Percent Recovery:	78	

ND-Not Detected. The limit of detection is reported above.

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB4-5

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: 17529V1
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB4-5

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB4-25

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: 17529V2
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB4-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB5-10

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: 17529V3
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB5-10

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB5-25

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: 17529V4
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB5-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB6-10

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: 17529V5
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB6-10

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB6-25

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: 17529V6
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB6-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB7-10

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/10/91

RUN NUMBER: 17529V9
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB7-10

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB7-30

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/10/91

RUN NUMBER: 17529V10
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: SB7-30

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FIRCKE
WCAS JOB #: 17529

SAMPLE: SB15-5

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: 17529V51
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	5.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	30.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
108-88-3	TOLUENE	ND	30.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	5.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	30.
		ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FIRCKE
WCAS JOB #: 17529

SAMPLE: SB15-5

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FIRCKE
WCAS JOB #: 17529

SAMPLE: SB15-20

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: 17529V52
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FIRCKE SAMPLE: SB15-20
WCAS JOB #: 17529

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FIRCKE
WCAS JOB #: 17529

SAMPLE: SB17-5

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: 17529V53
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FIRCKE
WCAS JOB #: 17529

SAMPLE: SB17-5

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FIRCKE
WCAS JOB #: 17529

SAMPLE: SB17-20

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: 17529V54
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	5.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	30.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	5.
108-88-3	TOLUENE	ND	30.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	5.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	30.
		ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FIRCKE SAMPLE: SB17-20
WCAS JOB #: 17529

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FIRCKE
WCAS JOB #: 17529

SAMPLE: SB18-5

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: 17529V55
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FIRCKE
WCAS JOB #: 17529

SAMPLE: SB18-5

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE-FIRCKE
WCAS JOB #: 17529

SAMPLE: SB18-25

DATE RECEIVED: 01/03/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: 17529V56
SAMPLE AMOUNT: 1.0G
MATRIX: SOIL

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-4	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE-FIRCKE
WCAS JOB #: 17529

SAMPLE: SB18-25

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: LAB BLANK

DATE RECEIVED: 01/09/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: VBLK630
SAMPLE AMOUNT: BASED ON 1.0G
MATRIX: WATER

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: LAB BLANK

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: LAB BLANK

DATE RECEIVED: 01/09/91
DATE EXTRACTED: 01/09/91
DATE ANALYZED: 01/09/91

RUN NUMBER: VBLK742
SAMPLE AMOUNT: BASED ON 1.0G
MATRIX: WATER

VOLATILE ORGANICS (EPA 624/8260)

UNITS: UG/KG (PPB)

CAS #	COMPOUND	CONCENTRATION	DET LIMIT
67-64-1	ACETONE	ND	30.
71-43-2	BENZENE	ND	5.
75-27-2	BROMODICHLOROMETHANE	ND	5.
75-25-2	BROMOFORM	ND	5.
74-83-9	BROMOMETHANE	ND	30.
78-93-3	2-BUTANONE (MEK)	ND	30.
75-15-0	CARBON DISULFIDE	ND	5.
56-23-5	CARBON TETRACHLORIDE	ND	5.
108-90-7	CHLOROBENZENE	ND	5.
75-00-3	CHLOROETHANE	ND	30.
110-75-8	2-CHLOROETHYLVINYL ETHER	ND	50.
67-66-3	CHLOROFORM	ND	5.
74-87-3	CHLOROMETHANE	ND	30.
108-41-8	CHLOROTOLUENE	ND	5.
124-48-1	DIBROMOCHLOROMETHANE	ND	5.
95-50-1	1,2-DICHLOROBENZENE	ND	5.
541-73-1	1,3-DICHLOROBENZENE	ND	5.
106-46-7	1,4-DICHLOROBENZENE	ND	5.
75-34-3	1,1-DICHLOROETHANE	ND	5.
107-06-2	1,2-DICHLOROETHANE	ND	5.
75-35-4	1,1-DICHLOROETHYLENE	ND	5.
156-59-4	CIS-1,2-DICHLOROETHYLENE	ND	5.
156-60-5	TRANS-1,2-DICHLOROETHYLENE	ND	5.
78-87-5	1,2-DICHLOROPROPANE	ND	5.
10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	5.
10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	5.
100-41-4	ETHYLBENZENE	ND	5.
106-93-4	ETHYLENE DIBROMIDE	ND	5.
76-13-1	FREON-TF	ND	5.
119-78-6	2-HEXANONE	ND	30.
75-09-2	METHYLENE CHLORIDE	ND	30.
108-10-1	4-METHYL-2-PENTANONE (MIBK)	ND	30.
100-42-5	STYRENE	ND	5.
79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	5.
127-18-4	TETRACHLOROETHYLENE	ND	5.
109-99-9	TETRAHYDROFURAN	ND	30.
108-88-3	TOLUENE	ND	5.
71-55-6	1,1,1-TRICHLOROETHANE	ND	5.
79-00-5	1,1,2-TRICHLOROETHANE	ND	5.
79-01-6	TRICHLOROETHYLENE	ND	5.
75-69-4	TRICHLOROFLUOROMETHANE	ND	5.
108-05-4	VINYL ACETATE	ND	30.
75-01-4	VINYL CHLORIDE	ND	30.
95-47-6	TOTAL XYLENES	ND	5.

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT: LEVINE FRICKE
WCAS JOB #: 17529

SAMPLE: LAB BLANK

UNITS: UG/KG (PPB)

	COMPOUND NAME	FRACTION	APPROXIMATE CONCENTRATION
1	NONE FOUND	VOA	

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

INSTRUMENT : TRIO1
DATE ANALYZED: 01/09/91

FILENAME	SAMPLE ID	W/S	1,2-DICHLORO-ETHANE-d4	TOLUENE-d8	BFB
17529V1	SB4-5	S	128	101	98
17529V2	SB4-25	S	118	103	98
17529V3	SB5-10	S	119	100	98
17529V4	SB5-25	S	116	99	97
17529V5	SB6-10	S	112	97	96
VBLK630	LAB BLANK	S	101	93	93
17529V6	SB6-25	S	102	95	98
17529V9	SB7-10	S	102	91	92
17529V10	SB7-30	S	103	90	93

S - SOIL W - WATER

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

DATE ANALYZED: 01/09/91
INSTRUMENT: 5101

MATRIX: SOIL

SAMPLE #	TOLUENE-D8	BFB	1,2-DICHLORO-ETHANE-D4
SB15-5	101	97	106
SB15-20	98	98	105
SB17-5	100	98	105
SB17-20	101	97	106
SB18-5	98	96	106
SB18-25	99	98	107

Data Reporting Qualifiers

Value - If the result is a value greater than or equal to the Detection Limit (DL), the value is reported.

ND - Indicates that the compound was analyzed for but not detected. The minimum DL for the sample with the ND is reported based on necessary concentration or dilution actions.

TR - Indicates an estimated value. This flag is used when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified DL but greater than zero.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2193

Field Logbook No.: -

Date: 1/3/91

Serial No.: № N- 0564

Project Name: JACK FEE

Project Location: SANTA FE SPRINGS

Sampler (Signature): [signature]

Samplers: JCA

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE		EPA 601	EPA 624				HOLD	RUSH	REMARKS
SB6-2	1/3/91	0712		1	SOIL							X		
SB6-10		0715		1								X		
SB6a-10		1455		1								X		
SB6-15		0723		1								X		
SB6a-15		1500		1								X		
SB6-20		0727		1								X		
SB6-25		0733		1								X		
SB7-5		1000		1								X		
SB7-10		1003		1								X		
SB7a-10		1430		1								X		
SB7-15		1014		1								X		
SB7a-15		1435		1								X		
SB7-20		1020		1								X		
SB7-25		1024		1								X		
SB7-30		1033		1								X		

RELINQUISHED BY: (Signature) [signature]	DATE 1/3/91	TIME 1730	RECEIVED BY: (Signature) [signature]	DATE 1-3-91	TIME 5:30
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) 17529	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED ON BLUE ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE/FRICKE
1920 Main St., Ste. 750
Irvine, CA 92714

~~LEVINE FRICKE~~
~~4019 Westerly Place, Suite 103~~
~~Newport Beach, California 92660~~
~~(714) 955-1390 FAX (714) 955-0683~~

Analytical Laboratory:
CET Corporation

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FORM NO. 86/COC/ARF

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2173	Field Logbook No.: –	Date: 1/3/91	Serial No.: Nº N- 0565
Project Name: Santa Fee	Project Location: Santa Fe Springs		
Sampler (Signature) :			Samplers:

SAMPLES						ANALYSES									
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624						HOLD	RUSH	REMARKS
SB4-5	1/3/91	0740		1	Soil								X		
SB4-10		0745		1									X		
SB4a-10		1545 ~~0750~~		1									X		
SB4-15		0750		1									X		
SB4a-15		1550		1									X		
SB4-20		0755		1									X		
SB4-25		0800		1									X		
SB5-5		0830		1									X		
SB5-10		0830		1									X		
SB5a-10		1516		1									X		
SB5-15		0837		1									X		
SB5a-15		1520		1									X		
SB5-20		0842		1									X		
SB5-25		0846		1									X		

RELINQUISHED BY: (Signature)	DATE 1/3/91	TIME 1730	RECEIVED BY: (Signature)	DATE 1-3-91	TIME 5:30
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) A17529	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: Packed on Blue Ice	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE/FRICKE
1920 Main St., Ste. 750
Irvine, CA 92714

~~LEVINE-FRICKE~~
~~4019 Westerly Place, Suite 103~~
~~Newport Beach, California 92660~~
~~(714) 955-1390 FAX (714) 955-0683~~

Analytical Laboratory:
West Coast Analytical

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FORM NO. 86/COC/ARF

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2193	Field Logbook No.: –	Date: 1/3/91	Serial No.: Nº N- 0567
Project Name: SILK FEE	Project Location: SANTA FE SPRINGS		
Sampler (Signature): [signature]			Samplers: [illegible]

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624					HOLD	RUSH	REMARKS
5319-5	1/3/91	1245		1	Soil							X		
5319-10	↓	1249		1	↓							X		
5319-15		1255		1								X		
5319-20		1258		1								X		
5319-25		1304		1								X		
												X		

RELINQUISHED BY: (Signature) [signature]	DATE 1/3/91	TIME 1730	RECEIVED BY: (Signature) [signature]	DATE 1-3-91	TIME 5:30
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) 17529	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED ON ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE/FRICKE
1920 Main St., Ste. 750
Irvine, CA 92714

~~LEVINE-FRICKE~~
~~4019 Westerly Place, Suite 103~~
~~Newport Beach, California 92660~~
~~(714) 955-1390 FAX (714) 955-0683~~

Analytical Laboratory:
[illegible]

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FORM NO. 86/COC/ARF

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 2193	Field Logbook No.: –	Date: 1/3/91	Serial No.: № N- 0568
Project Name: JACK FEE	Project Location: SANTA FE STRINGS		
Sampler (Signature): [signature]			Samplers: [illegible]

SAMPLES						ANALYSES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601	EPA 624					HOLD	RUSH	REMARKS
SB15-5	1/3/91	1118		1	SOIL							X		
SB15-10		1121		1								X		
SB15-15		1125		1								X		
SB15-20		1130		1								X		
SB15-25		1135		1								X		
SB17-5		1200		1								X		
SB17-10		1205		1								X		
SB17-15		1210		1								X		
SB17-20		1215		1								X		
SB17-27		1223		1								X		
SB18-5		1331		1								X		
SB18-10		1340		1								X		
SB18-15		1345		1								X		
SB18-20		1350		1								X		
SB18-25		1357		1								X		

RELINQUISHED BY: (Signature) [signature]	DATE 1/3/91	TIME 1730	RECEIVED BY: (Signature) [signature]	DATE 1-3-91	TIME 5:30
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature) 17529	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT: PACKED ON BLUE ICE	DATE	TIME	LAB COMMENTS:		

Sample Collector:
LEVINE/FRICKE
1920 Main St., Ste. 750
Irvine, CA 92714

~~LEVINE-FRICKE~~
~~4019 Westerly Place, Suite 103~~
~~Newport Beach, California 92660~~
~~(714) 955-1390 FAX (714) 955-0683~~

Analytical Laboratory:
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FORM NO. 86/COC/ARF

2193

January 18, 1991

WCAS
WEST COAST ANALYTICAL SERVICE, INC.
ANALYTICAL CHEMISTS

LEVINE-FRICKE
1920 Main Street
Suite 750
Irvine, CA 92714

Attn: Anthony Silva

JOB NO. 17559

A

LABORATORY REPORT

Samples Received: Forty-nine (49) Soil Samples
Date Received: 1-8-91
Date Released for Analysis: 1-9-91
Purchase Order No: Proj#: 2193/Mobil-Jalk Fee

The samples were analyzed as follows:

Samples Analyzed	Analysis	Results
Nineteen (19) soils	Total Petroleum Hydrocarbons by EPA 418.1	Table 1
Nineteen (19) soils	Fuel Hydrocarbons by Modified EPA 8015 (LUFT Manual, April 1989)	Table 2
Eleven (11) soils	CAM (17) Metals by ICPMS	Data Sheets
Five (5) soils	Volatile Aromatics by EPA 8020	Data Sheets
One (1) soil	Semi-Volatile Organics by EPA 8270	Data Sheets
One (1) soil	Surrogate Percent Recoveries for EPA 8270	Data Sheet

B. Michael Hovanec
Senior Staff Chemist

Michael Shelton
Technical Director

RECEIVED
JAN 22
LEVINE-FRICKE

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WEST COAST ANALYTICAL SERVICE, INC.

LEVINE-FRICKE
Mr. Anthony Silva

Job # 17559
January 18, 1991

LABORATORY REPORT

Samples Analyzed	Analysis	Results
Fourteen (14) soils	Volatile Organics by EPA 8260	Data Sheets
Fourteen (14) soils	Surrogate Percent Recoveries for EPA 8260	Data Sheet

WEST COAST ANALYTICAL SERVICE, INC.

LEVINE-FRICKE
Mr. Anthony Silva

Job # 17559
January 18, 1991

LABORATORY REPORT

TABLE 1

Parts Per Million (mg/Kg)

Sample No.	Total Petroleum Hydrocarbons by EPA 418.1
SB1-10	ND
SB1-25	ND
SB3-15	6100
SB3-25	ND
SB8-10	280
SB8-25	ND
SB9-5	ND
SB9-25	ND
SB14-5	ND
SB14-15	ND
SB14-25	ND
SB16-15	ND
SB16-25	ND
SB20-15	ND
SB20-55	ND
SB21-15	ND
SB21-25	ND
SB22-10	ND
SB22-25	ND
Detection Limit	10

ND - Not Detected

Date Analyzed: 1-14-91

WEST COAST ANALYTICAL SERVICE, INC.

LEVINE-FRICKE
Mr. Anthony Silva

Job # 17559
January 18, 1991

LABORATORY REPORT

TABLE 2

Parts Per Million (mg/Kg)

Fuel Hydrocarbons by Modified EPA 8015
(LUFT Manual, April 1989)

Sample No.	C_5-C_{10} Gasoline	C_7-C_{12} Mineral Spirits	C_7-C_{15} Kerosene	C_{10}-C_{20} Diesel Fuel	C_{20}-C_{30} Heavy Hydrocarbons
SB1-10	ND	ND	ND	ND	ND
SB1-25	ND	ND	ND	ND	ND
SB3-25	ND	ND	ND	ND	ND
SB8-10	ND	ND	ND	ND	ND
SB8-25	ND	ND	ND	ND	ND
SB9-5	ND	ND	ND	ND	ND
SB9-25	ND	ND	ND	ND	ND
SB14-5	ND	ND	ND	ND	ND
SB14-15	ND	ND	ND	ND	ND
SB14-25	ND	ND	ND	ND	ND
SB16-15	ND	ND	ND	ND	ND
SB16-25	ND	ND	ND	ND	ND
SB20-15	ND	ND	ND	ND	ND
SB20-55	ND	ND	ND	ND	ND
SB21-15	ND	ND	ND	ND	ND
SB21-25	ND	ND	ND	ND	ND
SB22-10	ND	ND	ND	ND	ND
SB22-25	ND	ND	ND	ND	ND
Detection Limit	10	10	10	10	100

Sample ID	C_5-C_{30} Total Hydrocarbons
SB3-15	8400
Detection Limit	100

ND - Not Detected

Date Analyzed: 1-17-91

Client: Levine-Fricke
Job Number: 17559
Date Analyzed: 01-15-91

Sample: SB1-10

File: 7559 111

C.A.M. Metals
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry
Total Metals Concentration---Parts Per Million

**** Exceeds TTLC limits * May exceed STLC limits

	Sample mg/Kg	Detection Limit	10X STLC Limits mg/Kg	TTLC Limits mg/Kg
Antimony	0.9	0.2	150	500
Arsenic	8	0.6	50	500
Barium	161	0.2	1000	10000
Beryllium	0.55	0.02	7.5	75
Cadmium	0.03	0.02	10	100
Chromium (III/VI)	32.9	0.7	5600/50	2500/500
Cobalt	10.5	0.02	800	8000
Copper	27.5	0.09	250	2500
Lead	8.01	0.04	50	1000
Mercury	ND<0.08	0.08	2	20
Molybdenum	0.2	0.05	3500	3500
Nickel	23.8	0.2	200	2000
Selenium	ND<0.3	0.3	10	100
Silver	0.04	0.02	50	500
Thallium	0.18	0.02	70	700
Vanadium	54	2	240	2400
Zinc	63	1	2500	5000

(1) ND-Not Detected. The Limit of Detection is reported above.
(2) Chromium reported above as total chromium in sample.
(3) 10X STLC Limits used as comparison takes into account dilution of the sample by 1/10 during leachate preparation.