

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GCMS

- Hazardous Waste (#5004)
- Drinking Water (#955)
- Waste Water
- Consultation

December 28, 1990

Chromalab File No.: 1290088

SAMPLING SPECIALISTS, INC.

Attn: John Pratt

RE: Fourteen soil samples for Gasoline/BTEX, Diesel, Oil & Grease
and total Lead analyses

Project Name: AP OAKLAND

Date Sampled: Dec. 19, 1990

Date Submitted: Dec. 19, 1990

Date Extracted: Dec. 21-27, 1990

Date Analyzed: Dec. 21-27, 1990

RESULTS:

Sample No.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)	Oil & Grease (mg/Kg)	Lead (mg/Kg)
AP-1	38	32	N.D.	34	120	370		----
AP-2	19	47	N.D.	N.D.	66	120		----
AP-3 & 18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.		----
AP-4					2700	30000		39.6
AP-5		N.D.	N.D.	190	1500	220		18.3
AP-6				2400	380	2900		47.1
AP-7			N.D.	N.D.	3400	13000		18.4
AP-8	38		N.D.	N.D.	230	110		11.6
AP-9				670	11000	4900		23.2
AP-10				130	170	190		17.1
AP-11	8.8		N.D.	N.D.	N.D.	N.D.		9.38
AP-12	N.D.		N.D.	N.D.	N.D.	N.D.		----
AP-14			N.D.	N.D.				----
AP-17	N.D.		N.D.	N.D.	N.D.	N.D.		5.32
BLANK SPIKE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
RECOVERY	93.9%	94.0%	84.8%	95.8%	101.8%	93.2%	----	94.1%
DUP SPIKE								
RECOVERY	87.2%	96.6%	88.5%	95.4%	87.1%	96.0%	----	99.0%
DET. LIMIT	1.0	1.0	5.0	5.0	5.0	5.0	10	0.05
METHOD OF ANALYSIS	5030/ 8015	3550/ 8015	8020	8020	8020	8020	5520 D&F	7420

CHROMALAB, INC.

David Duong
 David Duong
 Senior Chemist

Eric Tam (by so)
 Eric Tam
 Laboratory Director

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 415/831-1788 • Facsimile 415/831-8798
 Federal ID #68-0140157

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415 932 4258

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GCMS

- Environmental Analysis
- Hazardous Waste (#E804)
- Drinking Water (#865)
- Waste Water
- Consultation.

December 28, 1990

ChromaLab File No.: 1290085

SAMPLING SPECIALISTS, INC.

Attn: John Pratt

RE: Two water samples for Gasoline/BTEX, Diesel and total Lead analyses

Project Name: AP OAKLAND
Date Sampled: Dec. 19, 1990
Date Extracted: Dec. 21-27, 1990

Date Submitted: Dec. 19, 1990
Date Analyzed: Dec. 21-27, 1990

RESULTS:

Sample No.	Gasoline (ug/L)	Diesel (ug/L)	Benzene (ug/L)	Toulene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)	Lead (mg/L)
APGW-1	████████	████████	████████	████████	████████	████████	████████
APGW-2	████████	████████	████████	████████	████████	████████	1.81
BLANK SPIKE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
RECOVERY	93.8%	94.0%	84.8%	95.8%	101.8%	93.2%	94.1%
DUP SPIKE	87.2%	98.8%	88.6%	98.4%	87.1%	96.0%	89.0%
DETECTION LIMIT	50	50	0.5	0.5	0.5	0.5	0.05
METHOD OF ANALYSIS	5030/ 5015	3510/ 5015	502	502	502	502	7420

ChromaLab, Inc.

David Duong
David Duong
Senior Chemist

Eric Tam (by 90)
Eric Tam
Laboratory Director

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CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E604)
- Drinking Water (#056)
- Waste Water
- Consultation

December 27, 1990

ChromaLab File #1290085A

Client: SAMPLING SPECIALISTS, INC.

Date Sampled: Dec. 19, 1990

Date of Analysis: Dec. 26-27, 1990

Attn: John Pratt

Date Submitted: Dec. 19, 1990

Project Name: AP OAKLAND

Sample I.D.: AP-1

Method of Analysis: EPA 8010

Detection Limit: 5.0 µg/Kg

COMPOUND NAME	µg/Kg	Spike Recovery	
CHLOROMETHANE	N.D.	---	---
VINYL CHLORIDE	N.D.	---	---
BROMOMETHANE	N.D.	---	---
CHLOROETHANE	N.D.	---	---
TRICHLOROFLUOROMETHANE	N.D.	---	---
1,1-DICHLOROETHENE	N.D.	---	---
METHYLENE CHLORIDE	N.D.	90.2%	93.1%
1,2-DICHLOROETHENE (TOTAL)	N.D.	---	---
1,1-DICHLOROETHANE	N.D.	---	---
CHLOROFORM	N.D.	---	---
1,1,1-TRICHLOROETHANE	N.D.	---	---
CARBON TETRACHLORIDE	N.D.	---	---
1,2-DICHLOROETHANE	N.D.	96.9%	89.7%
TRICHLOROETHENE	N.D.	---	---
1,2-DICHLOROPROPANE	N.D.	---	---
BROMODICHLOROMETHANE	N.D.	---	---
2-CHLOROETHYL VINYLETHER	N.D.	---	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---	---
CIS-1,3-DICHLOROPROPENE	N.D.	90.1%	92.6%
1,1,2-TRICHLOROETHANE	N.D.	---	---
TETRACHLOROETHENE	N.D.	---	---
DIBROMOCHLOROMETHANE	N.D.	---	---
CHLOROBENZENE	N.D.	---	---
BROMOFORM	N.D.	93.1%	92.4%
1,1,2,2-TETRACHLOROETHANE	N.D.	---	---
1,3-DICHLOROBENZENE	N.D.	---	---
1,4-DICHLOROBENZENE	N.D.	---	---
1,2-DICHLOROBENZENE	N.D.	---	---

ChromaLab, Inc.


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Eric Tam
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CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E094)
- Drinking Water (#988)
- Waste Water
- Consultation

December 27, 1990

ChromaLab File #1290085C

Client: SAMPLING SPECIALISTS, INC.

Attn: John Pratt

Date Sampled: Dec. 19, 1990

Date Submitted: Dec. 19, 1990

Date of Analysis: Dec. 26-27, 1990

Project Name: AP OAKLAND

Sample I.D.: AP-3 & 18

Method of Analysis: EPA 8010

Detection Limit: 5.0 µg/Kg

COMPOUND NAME	µg/Kg	Spike Recovery	
CHLOROMETHANE	N.D.	---	---
VINYL CHLORIDE	N.D.	---	---
BROMOMETHANE	N.D.	---	---
CHLOROETHANE	N.D.	---	---
TRICHLOROFLUOROMETHANE	N.D.	---	---
1,1-DICHLOROETHENE	N.D.	90.2%	93.1%
METHYLENE CHLORIDE	N.D.	---	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---	---
1,1-DICHLOROETHANE	N.D.	---	---
CHLOROFORM	N.D.	---	---
1,1,1-TRICHLOROETHANE	N.D.	---	---
CARBON TETRACHLORIDE	N.D.	96.9%	89.7%
1,2-DICHLOROETHANE	N.D.	---	---
TRICHLOROETHENE	N.D.	---	---
1,2-DICHLOROPROPANE	N.D.	---	---
BROMODICHLOROMETHANE	N.D.	---	---
2-CHLOROETHYL VINYLETHER	N.D.	---	---
TRANS-1,3-DICHLOROPROPENE	N.D.	90.1%	92.5%
CIS-1,3-DICHLOROPROPENE	N.D.	---	---
1,1,2-TRICHLOROETHANE	N.D.	---	---
TETRACHLOROETHENE	N.D.	---	---
DIBROMOCHLOROMETHANE	N.D.	---	---
CHLOROBENZENE	N.D.	99.1%	92.4%
BROMOFORM	N.D.	---	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---	---
1,3-DICHLOROBENZENE	N.D.	---	---
1,4-DICHLOROBENZENE	N.D.	---	---
1,2-DICHLOROBENZENE	N.D.	---	---

ChromaLab, Inc.

David Duong
David Duong
Senior Chemist

Eric Tam (by DO)
Eric Tam
Lab Director

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CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GCMS

- Environmental Analysis
- Hazardous Waste (#E094)
- Drinking Water (#955)
- Waste Water
- Consultation

December 27, 1990

ChromaLab File #1290085B

Client: SAMPLING SPECIALISTS, INC.
 Date Sampled: Dec. 19, 1990
 Date of Analysis: Dec. 26-27, 1990


Attn: John Pratt
 Date Submitted: Dec. 19, 1990


Project Name: AP OAKLAND
 Sample I.D.: AP-2
 Method of Analysis: EPA 8010

Detection Limit: 5.0 µg/Kg

COMPOUND NAME	µg/Kg	Spike Recovery	
CHLOROMETHANE	N.D.	---	---
VINYL CHLORIDE	N.D.	---	---
BROMOMETHANE	N.D.	---	---
CHLOROETHANE	N.D.	---	---
TRICHLOROFLUOROMETHANE	N.D.	---	---
1,1-DICHLOROETHENE	N.D.	90.2%	93.1%
METHYLENE CHLORIDE	N.D.	---	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---	---
1,1-DICHLOROETHANE	N.D.	---	---
CHLOROFORM	N.D.	---	---
1,1,1-TRICHLOROETHANE	N.D.	96.9%	89.7%
CARBON TETRACHLORIDE	N.D.	---	---
1,2-DICHLOROETHANE	N.D.	---	---
TRICHLOROETHENE	N.D.	---	---
1,2-DICHLOROPROPANE	N.D.	---	---
BROMODICHLOROMETHANE	N.D.	---	---
2-CHLOROETHYL VINYLETHER	N.D.	---	---
TRANS-1,3-DICHLOROPROPENE	N.D.	90.1%	92.5%
CIS-1,3-DICHLOROPROPENE	N.D.	---	---
1,1,2-TRICHLOROETHANE	N.D.	---	---
TETRACHLOROETHENE	N.D.	---	---
DIBROMOCHLOROMETHANE	N.D.	93.1%	92.4%
CHLOROBENZENE	N.D.	---	---
BROMOFORM	N.D.	---	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---	---
1,3-DICHLOROBENZENE	N.D.	---	---
1,4-DICHLOROBENZENE	N.D.	---	---
1,2-DICHLOROBENZENE	N.D.	---	---

ChromaLab, Inc.


 David Duong
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