

CALIFORNIA DEPARTMENT OF HEALTH SERVICES  
HAZARDOUS MATERIALS LABORATORY - GC/MS UNIT

to well

FINAL

LABORATORY REPORT FOR GC/MS HEADSPACE VOLATILE ORGANIC ANALYSIS

HML SAMPLE NUMBER(S): C405  
COLLECTOR'S NAME: Lowell Miller  
COLLECTOR'S NUMBER(S): CFW 354  
SAMPLING LOCATION: 10500 Tesla Road, Livermore, CA

METHOD: EPA METHOD 8260 SW 846 (TEST METHODS FOR EVALUATING SOLID WASTE, 1982) MODIFIED FOR GC/MS ANALYSIS.  
10 GRAMS OF SAMPLE CONTAINED IN A 40 ML VOA HEADSPACE VIAL IS THERMOSTATED AT 100 °C FOR 15 MINUTES. 0.5 ML OF THE HEADSPACE IS WITHDRAWN AND INJECTED INTO A GC/MS/DS SYSTEM EQUIPPED WITH A 30 METERS J&W DB-5 FUSED SILICA CAPILLARY COLUMN. (NOTE: THIS METHOD IS PRIMARILY USED FOR QUALITATIVE IDENTIFICATIONS OF UNKNOWN SAMPLE COMPONENTS. VALUES REPORTED ARE THEREFORE TO BE USED FOR APPROXIMATION PURPOSES ONLY.)

ANALYSIS RESULTS:

HML C405 (CFW354) - water

No volatile organic compounds detected

- \* compound identifications are tentative and is based on computer matching of the sample's mass spectra to those contained in the NBS library of mass spectral data base.  
\*\* Detection limit for aromatic compounds estimated as xylene or \_\_\_\_\_ is 2 ug/g.  
\*\*\* Detection limit for chlorinated compounds estimated as tetrachloroethylene or \_\_\_\_\_ is 2 ug/g.  
\*\*\*\* For comparison purposes, trace level is estimated as less than 5 ug/g; low level as 5-20 ug/g; medium level is 20-60 ug/g; high level is above 60 ug/g. These estimates are based on a comparison of the unknown chromatogram peak's RIC area against the internal standard (2-bromo-1-chloropropane spiked at 20 ug/g) area.

ANALYST SIGNATURES:

1) Lucy M. Mark DATE: 10/29/86

SIGNATURE OF SUPERVISING CHEMIST

Willie Shan DATE: Nov 4 86

2) \_\_\_\_\_ DATE: \_\_\_\_\_

HAZARDOUS MATERIALS SAMPLE ANALYSIS REQUEST

PRIORITY (Explain) Health related - drinking water well

HML No. C 405 To

return analysis to: Charlene Williams DHS/TSCD Emeryville

PART I: FIELD SECTION

Collector: Lowell Miller Date Sampled: 8/28/86 Time: 7<sup>00</sup> PM Hours

Activity:  Enforcement  ASP  H.W. Property  Super  Other  RCRA TP Code

Region:  SCERS-SAC  NCS-SAC  NCS-FRESNO  SCS-LA  NCCS-BERK

LOCATION OF SAMPLING: EPA ID NO.

Name: Herby Tiner Tel. No.

Address: 10500 Tesla Road Number Street Livermore CA City ZIP

HML No. (Lab Only) Collector's Sample No. Type Of Sample\* FIELD INFORMATION

HML No. (Lab Only)	Collector's Sample No.	Type Of Sample*	FIELD INFORMATION
<u>C405</u>	<u>CFW 354</u>	<u>water</u>	<u>collected from water well down dip from hazardous waste pit used in disposal of methamphetamine product.</u>

Analysis Requested: methyl amine (or total amines), phenyl-2-propanone, pH, Total Chlorinated Hydrocarbons, & other methamphetamine

\* SAMPLE COVERED WITH PLASTIC (SARAN WRAP)

Chain of Custody:

No.	Signature	Title	Date	Inclusive Dates
1	<u>Lowell Miller</u>	<u>Sr. Hvy. Mat. Specialist</u>	<u>8/28/86</u>	<u>8/29/86</u>
2	<u>Lynard Johnson</u>	<u>OFF. Asst. II</u>	<u>8/29/86</u>	<u>8/29/86</u>
3	<u>Bernard Johnson</u>	<u>LAB ASST</u>	<u>8/29/86</u>	
4				
5				

Special Remarks: 9861 18885 (e.g., duplicate sample given to company, etc.)

PART II: LABORATORY SECTION

Received By: Landy Title: PHC II Date: 8-29-86  
Sample Allocation:  HML  SCBL  LBL  Other

Analysis Required: VOA, pH, extractable organics  
(Please see above)

SAMPLE LOGGED ON  
SEP 7 1986  
Orig. Lab. GC/MS Laboratory

SAMPLE LOGGED ON  
SEP 7 1986  
HML-GC/MS Laboratory

\* Indicate whether sample is sludge, soil, etc.

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DIVISION OF ENVIRONMENTAL HEALTH  
ENVIRONMENTAL HEALTH LABORATORY

ANALYTICAL REQUEST

Laboratory No. 86-084

Sample Identification Well Water Survey from Tesla Rd., Livermore

Analyses Requested by: L. Seto

Date Collected: 9-18-86

Collected by: L. Seto

Date Received: 9-19-86

Received by: B. Chan

Analyses Requested Aluminum, Mercury

Background Information Survey information for wells near waste pit  
for drug manufacture.

ANALYTICAL RESULTS

Parameter	Observation or Result	
	Concentration in mg/l (ppm)	
<u>Sample Identification</u>	Aluminum	Mercury
LS10021-T	< 5.0	< 0.0005
LS10049-T	< 5.0	< 0.0005
LS10053-T	< 5.0	< 0.0005
LS10057-T	< 5.0	< 0.0005
LS10069-T	< 5.0	< 0.0005
LS10071-T	< 5.0	< 0.0005

Conclusions: \_\_\_\_\_

Date Analyses Completed: 9-23-86

Chemist: B. Chan

Approved: B. Chan *bc*

Distribution: R. Shahid, T. Shirasawa, G. Winn

BC/cdb  
7/85