

# AMAX

EXTRACTIVE RESEARCH & DEVELOPMENT, INC.  
5950 McINTYRE STREET, GOLDEN, COLORADO 80401  
303-279-7636

## ANALYTICAL REPORT

JOB NUMBER

73633

DATE SUBMITTED: 02/08/82  
DATE COMPLETED: \_\_\_\_\_  
WORKING PLACE NUMBER: G809  
DEPT. NO.: 200

SUBMITTED BY: F. Pitard EXT. \_\_\_\_\_  
COPIES TO: Dean Pilkington  
H. J. Olson  
E. J. Rowe

SAMPLE PREP. YES  NO

SUBMITTER'S COMMENTS: \_\_\_\_\_

DESIRED ACCURACY: \_\_\_\_\_

ROUTINE  EXPEDITE

AUTHORIZED BY: \_\_\_\_\_

PREFERRED ORDER OF DETERMINATION	PPb		PPb									SAMPLE MATRIX/COMPOSITION (e.g. pH, MAJOR IONS, ELEMENTS, ETC.)
	AS	E S T.	Sb	E S T.								
1	DT-1	6		<.5								
2	DT-2	30		<.5								
3	- 3	<.5		<.5								
4	- 4	5		<.5								
5	- 5	2		<.5								
6	- 6	3		<.5								
7	- 7	3		<.5								
8	<u>130</u> - 8	3		<.5								
9	<u>0</u> - 9	24		<.5								
10	- 10	3		<.5								
11	- 11	3		<.5								
12	- 12	4		<.5								
13	- 13	26		<.5								
14	- 14	24		<.5								
15	- 15	<.5		<.5								
16	- 16	11		<.5								
17	- 17	<.5		<.5								
18	- 18	<.5		<.5								
19	- 19	7		<.5								
20	- 20	5		<.5								

ANALYST'S SIGNATURE(S):	CODE	DATE	DETER.	METHOD	COMMENTS:
<i>NV</i>	42	Feb. 11, 82		.5	Since samples were acidified with HNO <sub>3</sub> , we just added 50 PPM Ni, made standard additions and then determined As + Sb by G.F.A.A. Parameter were: deposit time 20 sec. pyrolysis to ~900°C atomization T 2400°C.
<i>ay</i>	10	Feb. 11, 82	As+Sb	graphite furnace aa. 9.5	

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**EXTRACTIVE RESEARCH & DEVELOPMENT, INC.**  
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## ANALYTICAL REPORT

73634

DATE SUBMITTED: 2/08/82  
 DATE COMPLETED: \_\_\_\_\_  
 WORKING PLACE NUMBER: 6809  
 DEPT. NO.: 200

JOB NUMBER \_\_\_\_\_  
 SUBMITTED BY: F. Pitard EXT. \_\_\_\_\_  
 COPIES TO: Dean Pilkington  
H. J. Oleari  
E. J. Rowe

SAMPLE PREP. YES  NO

SUBMITTER'S COMMENTS: \_\_\_\_\_

DESIRED ACCURACY: \_\_\_\_\_

ROUTINE  EXPEDITE

AUTHORIZED BY: \_\_\_\_\_

PREFERRED ORDER OF DETERMINATION

SAMPLE MATRIX/COMPOSITION  
 (e.g. pH, MAJOR IONS, ELEMENTS, ETC.)

SAMPLE IDENTIFICATION	ppb		ppb		E S T.	E S T.	E S T.	E S T.	E S T.	E S T.	E S T.	E S T.
	As	Sb	Sb	Sb								
1 DT-21	4		<.5									
2 -22	5		2.									
3 -23	5		2.									
4 -24	2		1.									
5 -25	6		1.									
6 -26	10		<.5									
7 -27	11		<.5									
8 -28	14		<.5									
9 -29	5		<.5									
10 -30	12		<.5									
11 W 14164	26		5.									
12 165	15		1.									
13 W 14231	31		4.									
14 271	3		<.5									
15 272	22		<.5									
16 W 14287	500		2.									
17 288	364		<.5									
18 289	25		6.									
19 290	1		<.5									
20 291	<.5		<.5									

ANALYST'S SIGNATURE(S):

CODE

DATE

DETER.

METHOD

COMMENTS:

*NV  
Amg*

42  
10

.5  
9.5