

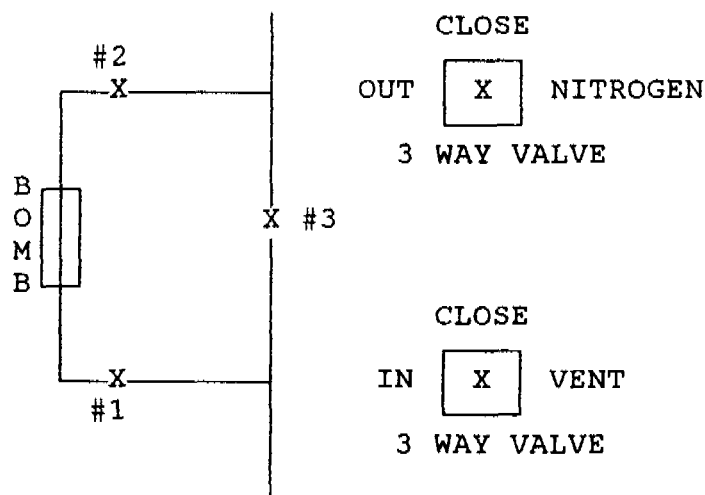
WRITTEN BY:RMC
APPROVED BY:
DATE:11-13-90

6904-027.SOP
(BOMB SAMPLES)

OPERATOR'S NAME: _____ DATE _____

CHECK	ACTION STEPS (Capital letters) and Comments (Small letters)
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| _____ | 1. JOB SAFETY INSTRUCTIONS REVIEWED. |
| _____ | 2. ENSURE THAT YOU ARE WEARING PROPER SAFETY EQUIPMENT. |



CATCHING BOMB SAMPLES

1. PLACE BOMB IN RACK AND SECURE FITTINGS.
2. CHECK ALIGNMENT OF SAMPLE LINES TO AND FROM BOMB RACK.
3. OPEN BOTTOM 3 WAY VALVE TO SAMPLE IN POSITION.
4. OPEN TOP 3 WAY VALVE TO SAMPLE OUT POSITION.
5. OPEN #1 VALVE.
6. OPEN #2 VALVE.
7. #3 VALVE SHOULD BE CLOSED.
8. FLOW SHOULD START THROUGH VALVE AND BOMB WILL WARM UP IF A FLOW IS GOING THROUGH IT.
9. IF BOMB DOES NOT GET WARM, CHECK VALVE POSITIONS, IF ALIGNMENT IS OKAY, THEN LINES MAY BE PLUGGED. IF THIS IS THE CASE, ISOLATE LINES AND CLEAR THEM.

REMOVING SAMPLE BOMB FROM RACK

1. CLOSE #2 VALVE
2. CLOSE #1 VALVE
3. OPEN THE TOP 3 WAY VALVE TO THE N2 POSITION.
4. OPEN THE BOTTOM 3 WAY VALVE TO THE VENT POSITION
5. OPEN VALVE #3
6. N2 WILL PURGE SAMPLE OUT OF TUBING. PURGE FOR APPROXIMATELY 30 SECONDS.
7. TURN BOTH 3 WAY VALVES TO THE CLOSE POSITION.
8. REMOVE THE SAMPLE BOMB.

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REMOVING SAMPLE FROM SAMPLE BOMB

1. PLACE BOMB UNDER THE LAB HOOD.
2. UNSCREW THE END CAP WHICH PROTECTS THE SEPTUM.
3. INSERT THE SYRINGE NEEDLE INTO THE SEPTUM AND REMOVE THE DESIRED AMOUNT OF SAMPLE. THE SYRINGE CAN BE FLUSHED BY PUSHING THE SAMPLE BACK INTO THE BOMB WITH THE SYRINGE PLUNGER WITHOUT REMOVING THE NEEDLE.
4. FE SAMPLES CAN BE TAKEN BY OPENING ONE OF THE BOMB VALVES UNDER THE HOOD INTO THE BEAKER. GC SAMPLES CAN BE WITHDRAWN FROM THE BEAKER ALSO.
5. IF THE SYRINGE NEEDLE IS HARD TO GET INTO THE SEPTUM, LOOSEN SEPTUM HOLDER SLIGHTLY AND NEEDLE SHOULD GO IN EASIER.

CAUTION: THE BOMB IS UNDER PRESSURE. THE SEPTUM CANNOT BE REPLACED WITHOUT BLEEDING PRESSURE OUT OF THE BOMB. THE BOMB HAS A SRV ON IT. DO NOT ATTEMPT TO REMOVE IT OR ADJUST IT.

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