

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3029

Lab File ID: VN087614.D

BFB Injection Date: 08/21/2025

Instrument ID: MSVOA\_N

BFB Injection Time: 09:30

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 25.8                 |
| 75  | 30.0 - 60.0% of mass 95            | 58.1                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 7.3                  |
| 173 | Less than 2.0% of mass 174         | 1.1 ( 1.6 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 69                   |
| 175 | 5.0 - 9.0% of mass 174             | 5.6 ( 8.1 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 67.7 ( 98.1 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.8 ( 7.1 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC001 | VSTDIC001     | VN087619.D  | 08/21/2025    | 12:09         |
| VSTDIC005 | VSTDIC005     | VN087620.D  | 08/21/2025    | 13:08         |
| VSTDIC020 | VSTDIC020     | VN087621.D  | 08/21/2025    | 13:41         |
| VSTDIC050 | VSTDIC050     | VN087622.D  | 08/21/2025    | 14:02         |
| VSTDIC100 | VSTDIC100     | VN087623.D  | 08/21/2025    | 14:23         |
| VSTDIC150 | VSTDIC150     | VN087624.D  | 08/21/2025    | 14:44         |