

図3 水源におけるカビ臭発生状況 (埼玉県、千葉県、東京都、神奈川県、新潟県)

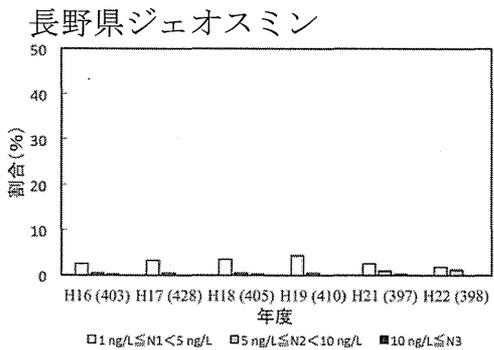
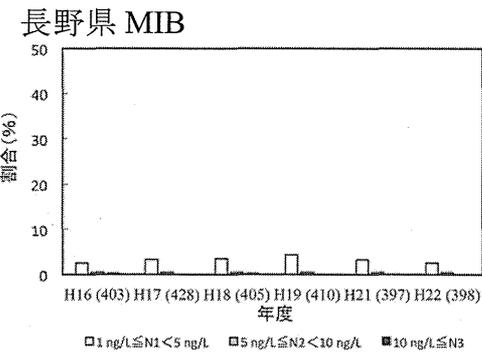
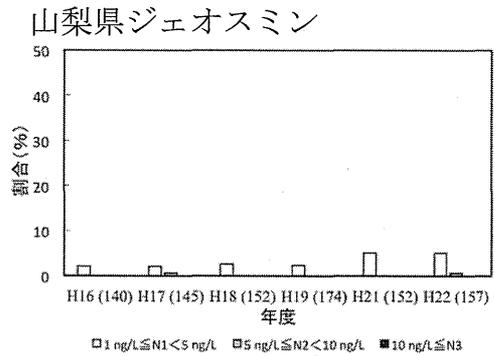
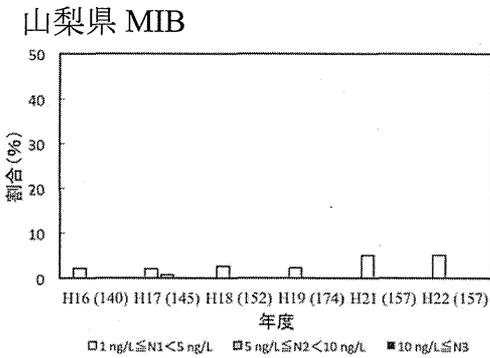
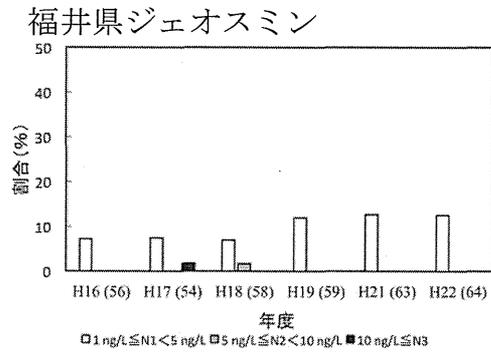
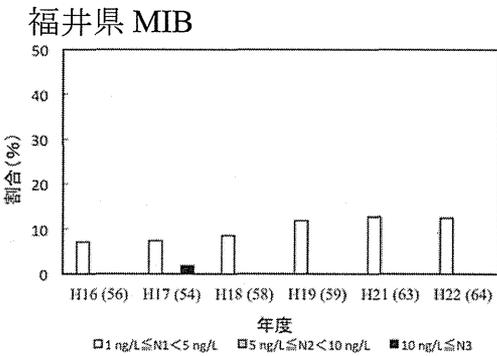
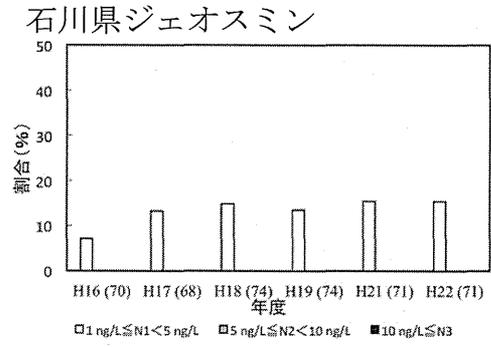
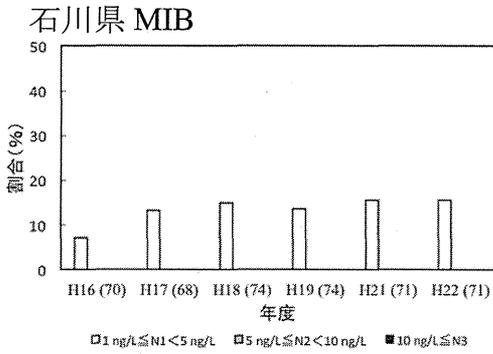
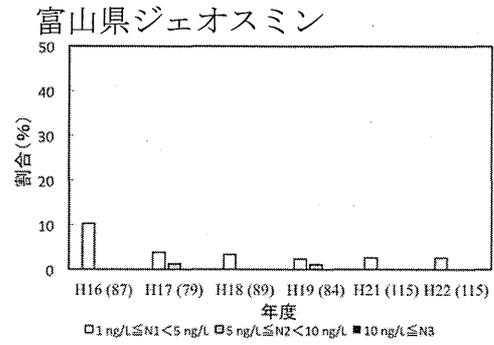
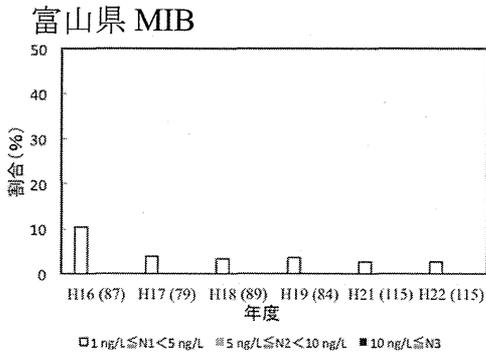


図4 水源におけるカビ臭発生状況 (富山県、石川県、福井県、山梨県、長野県)

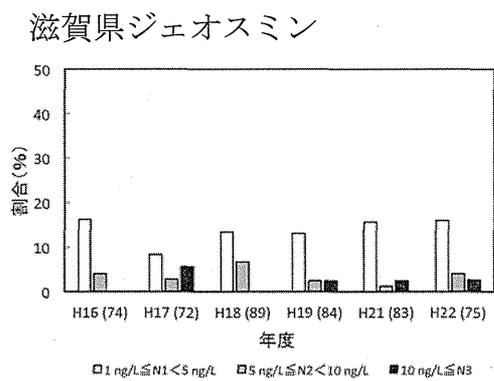
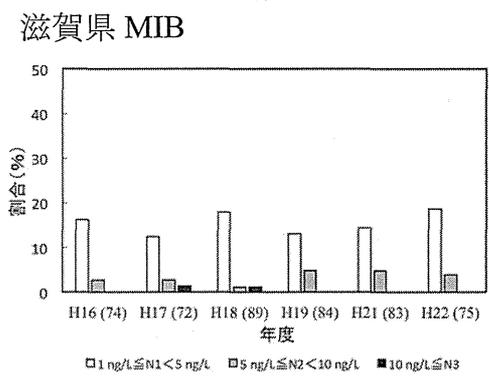
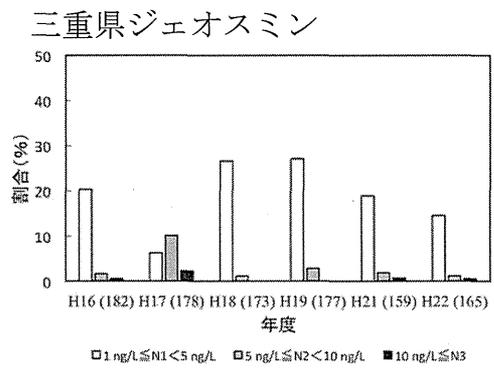
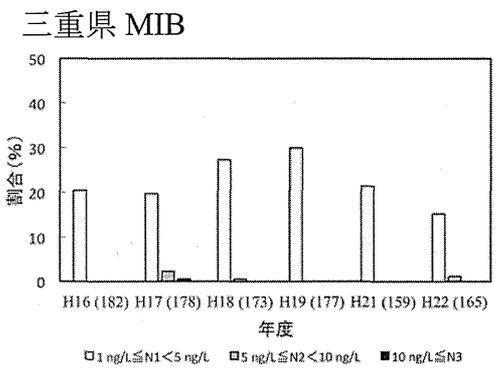
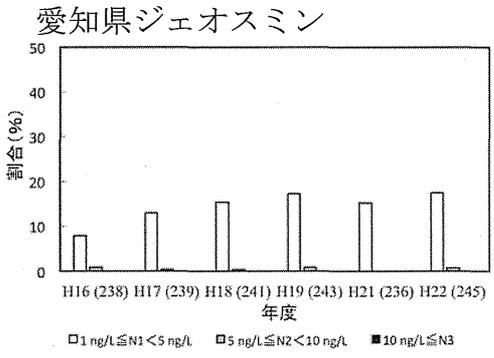
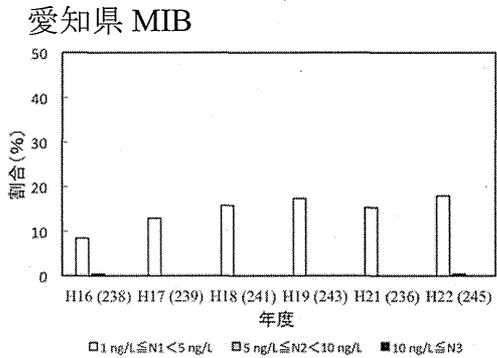
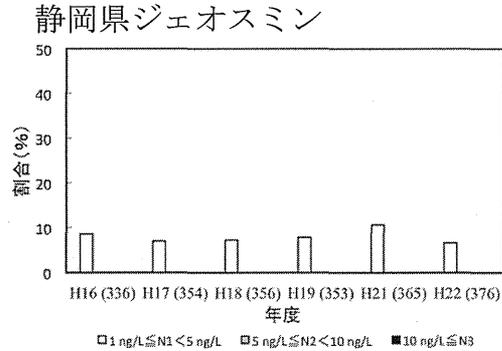
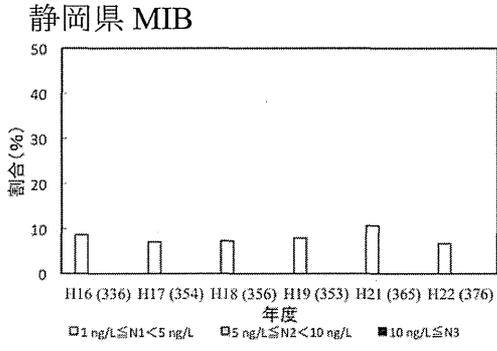
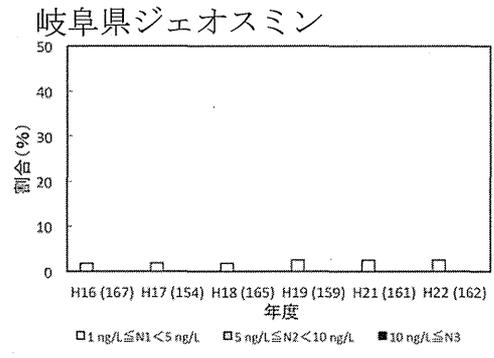
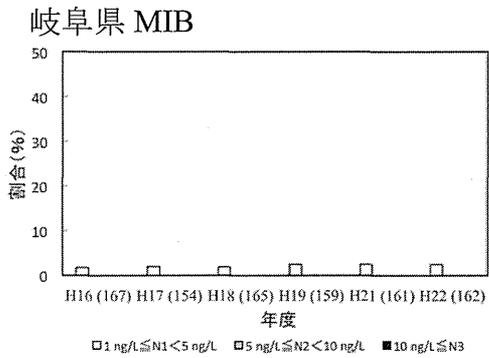


図5 カビ臭発生状況（岐阜県、静岡県、愛知県、三重県、滋賀県）

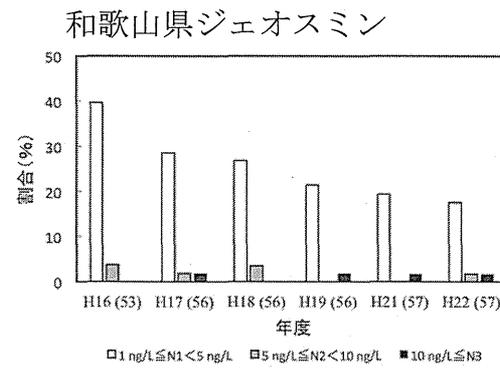
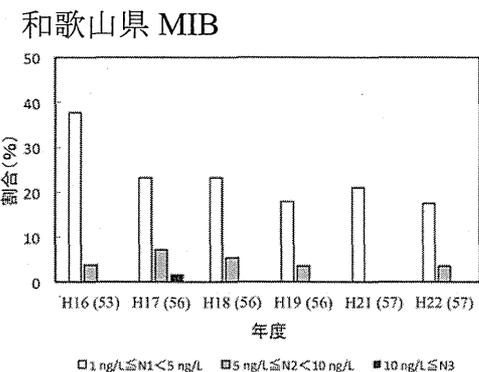
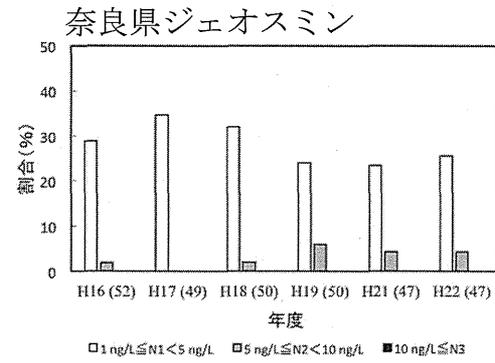
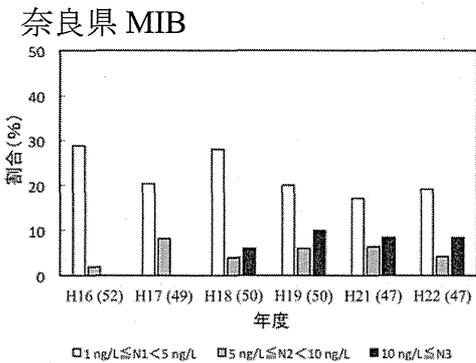
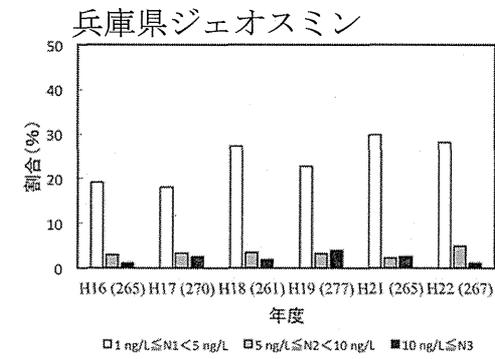
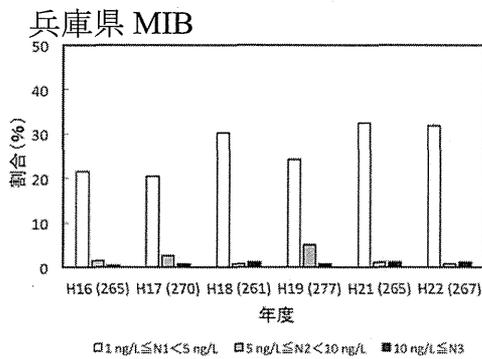
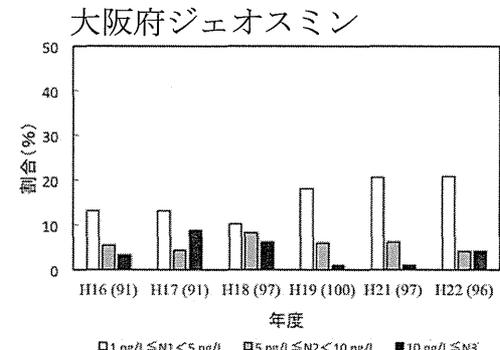
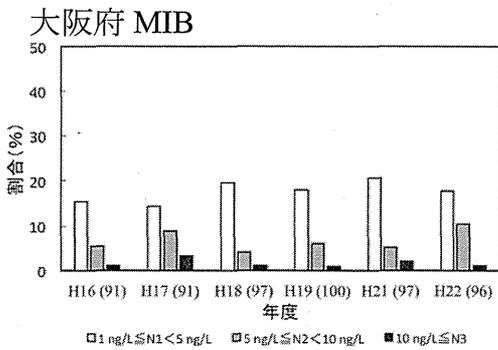
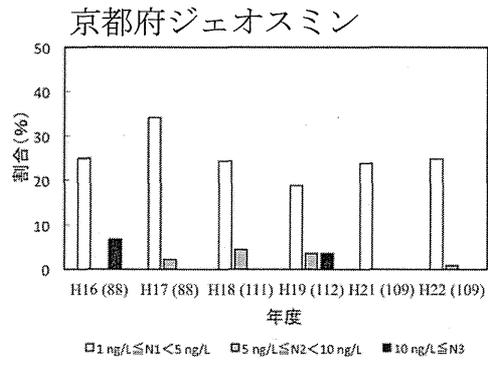
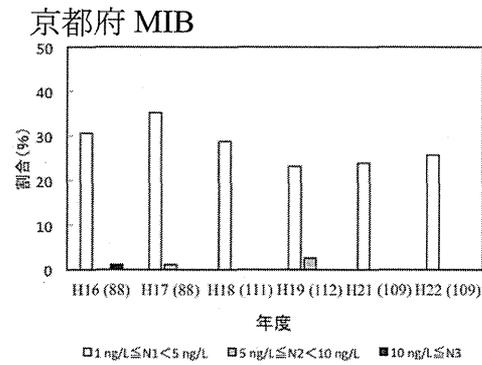


図6 カビ臭発生状況（京都府、大阪府、兵庫県、奈良県、和歌山県）

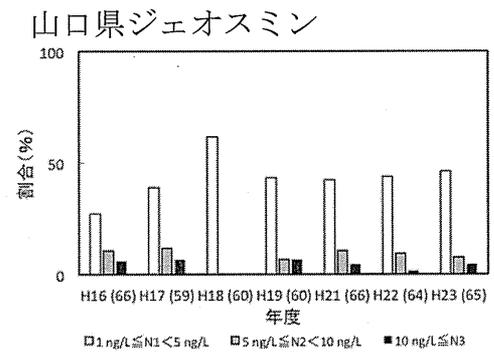
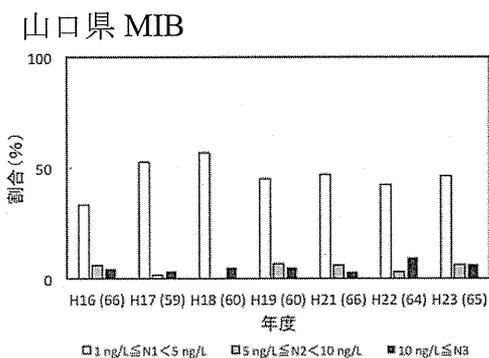
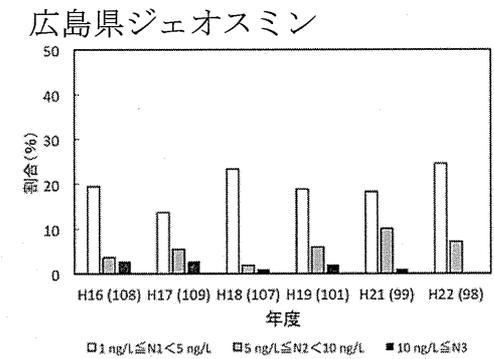
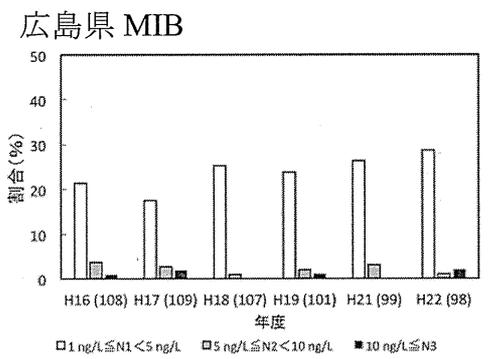
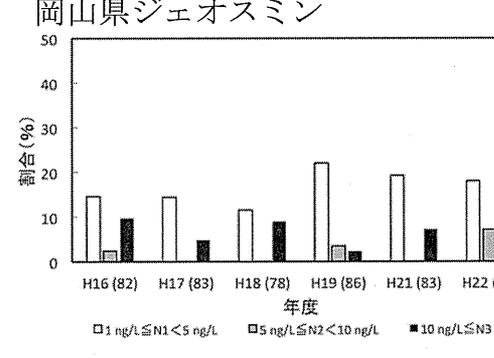
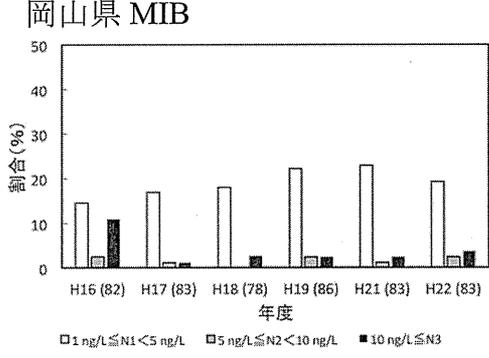
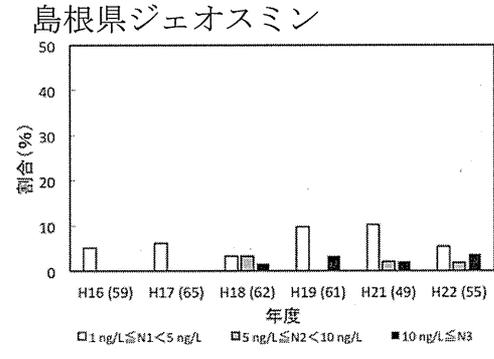
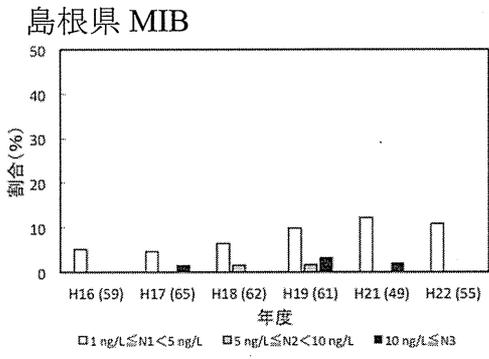
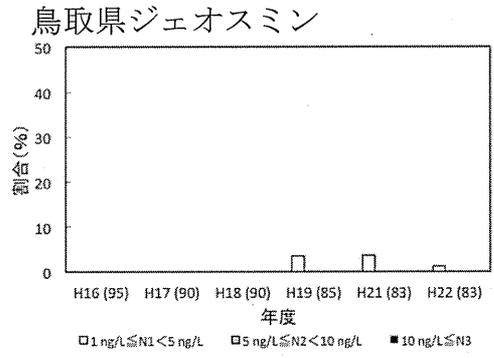
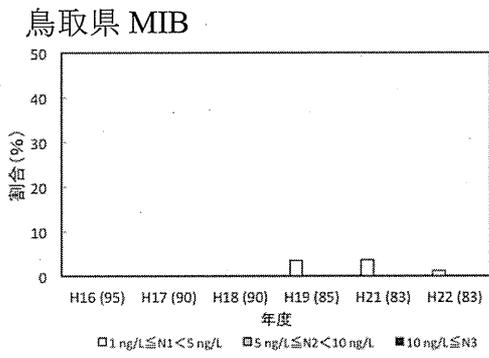
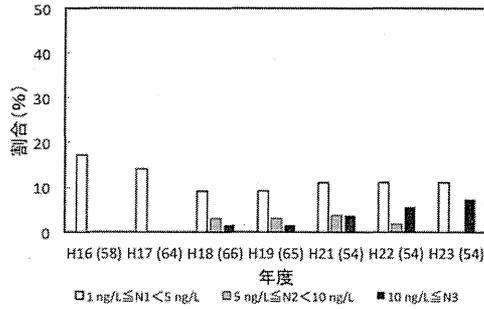
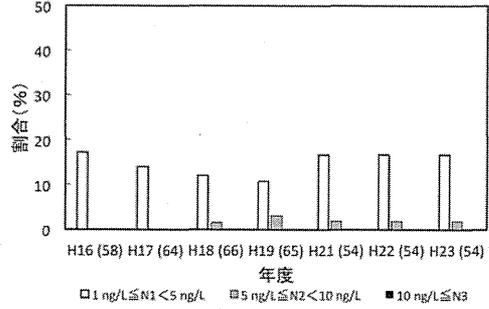


図7 カビ臭発生状況（鳥取県、島根県、岡山県、広島県、山口県）

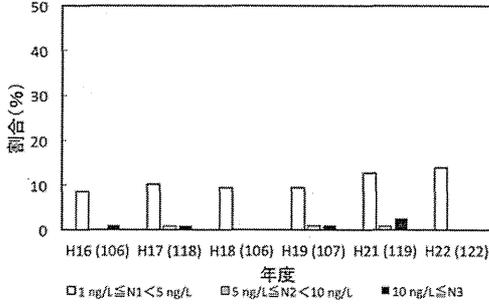
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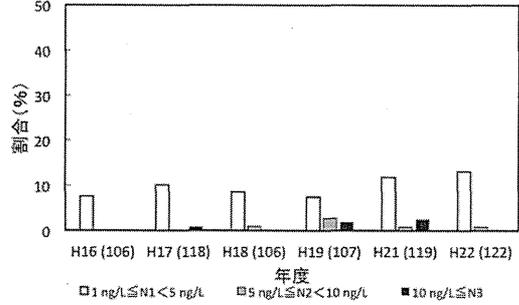
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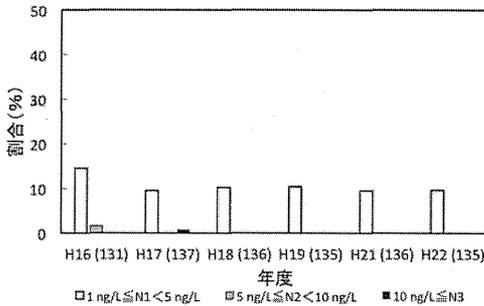
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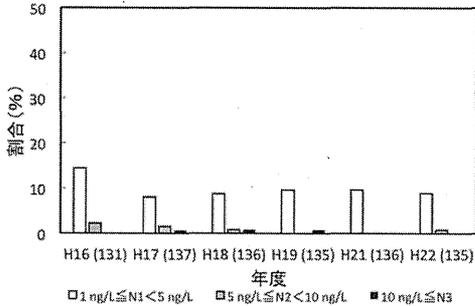
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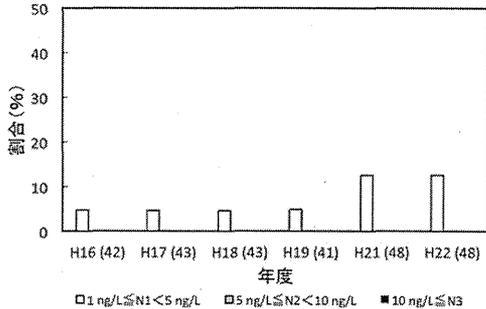
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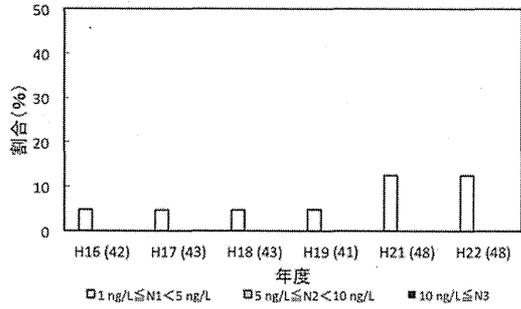
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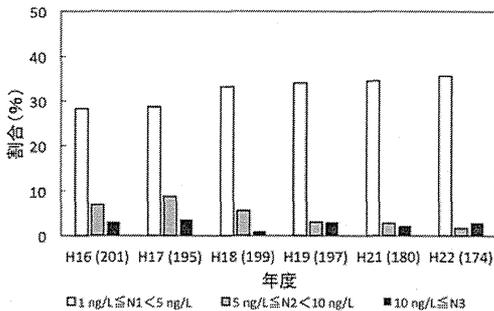
高知県 MIB



高知県 ジェオスミン



福岡県 MIB



福岡県 ジェオスミン

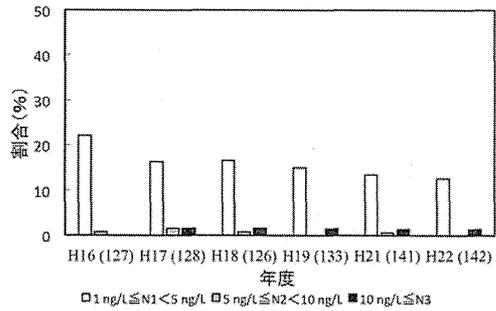


図8 カビ臭発生状況(徳島県、香川県、愛媛県、高知県、福岡県)

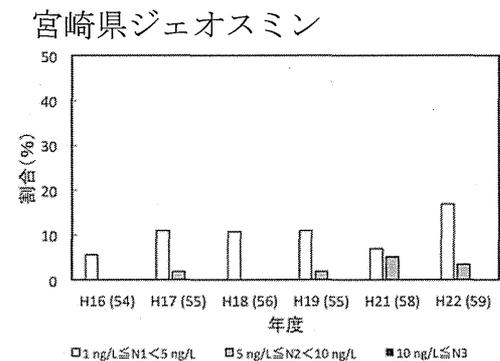
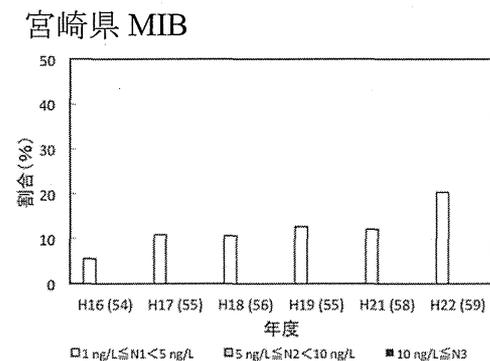
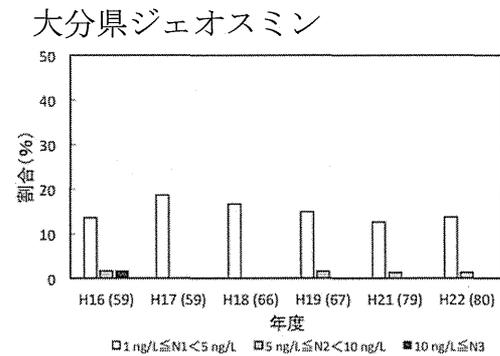
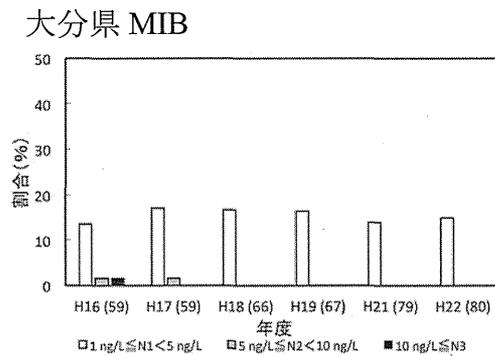
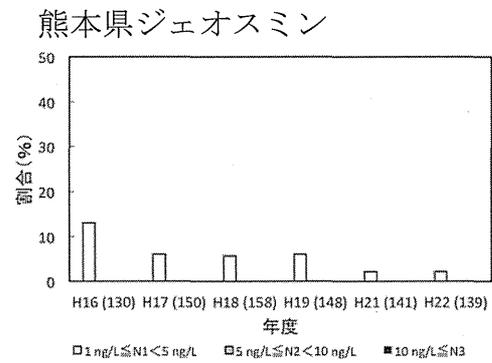
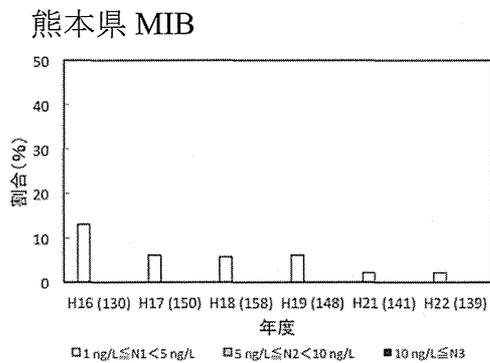
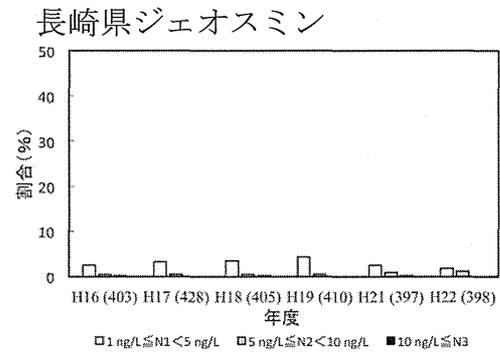
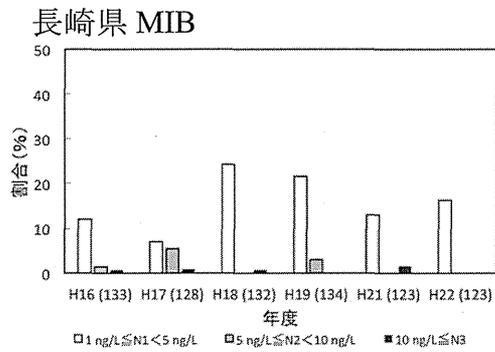
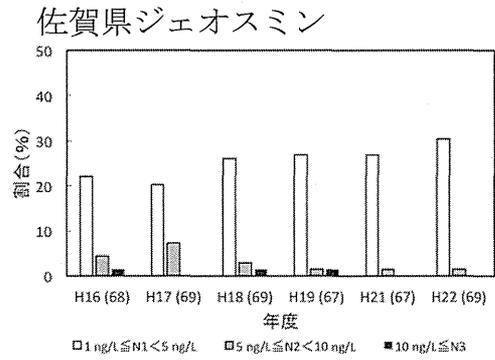
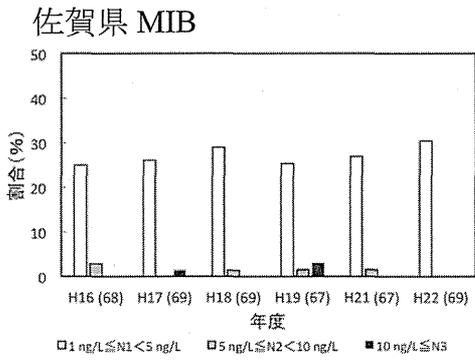
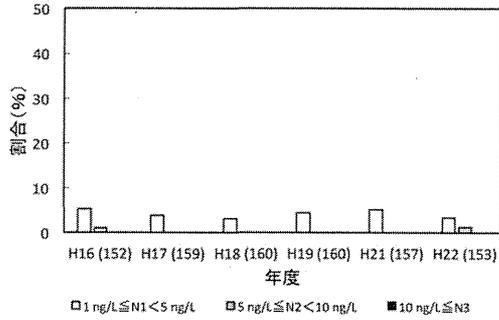
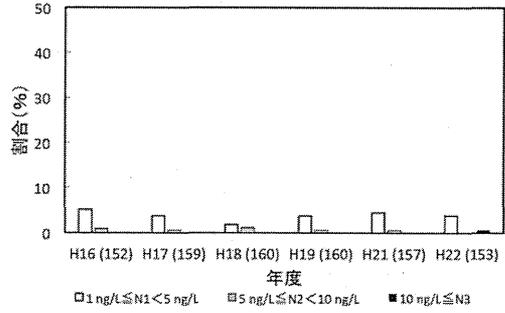


図9 カビ臭発生状況 (佐賀県、長崎県、熊本県、大分県、宮崎県)

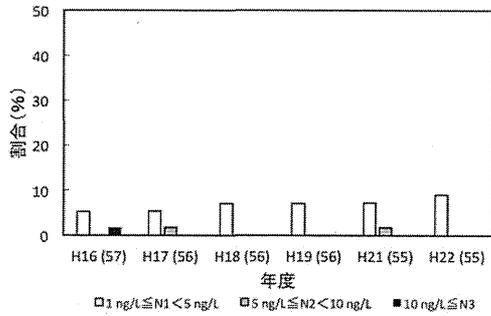
鹿児島県 MIB



鹿児島県 ジェオスミン



沖縄県 MIB



沖縄県 ジェオスミン

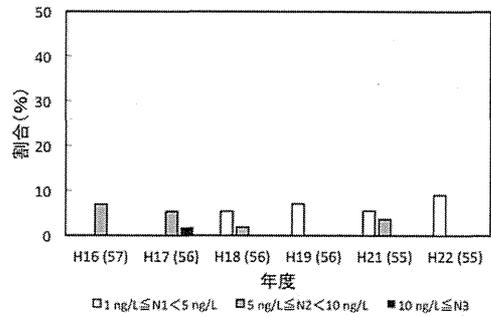


図 10 カビ臭発生状況 (鹿児島県、沖縄県)

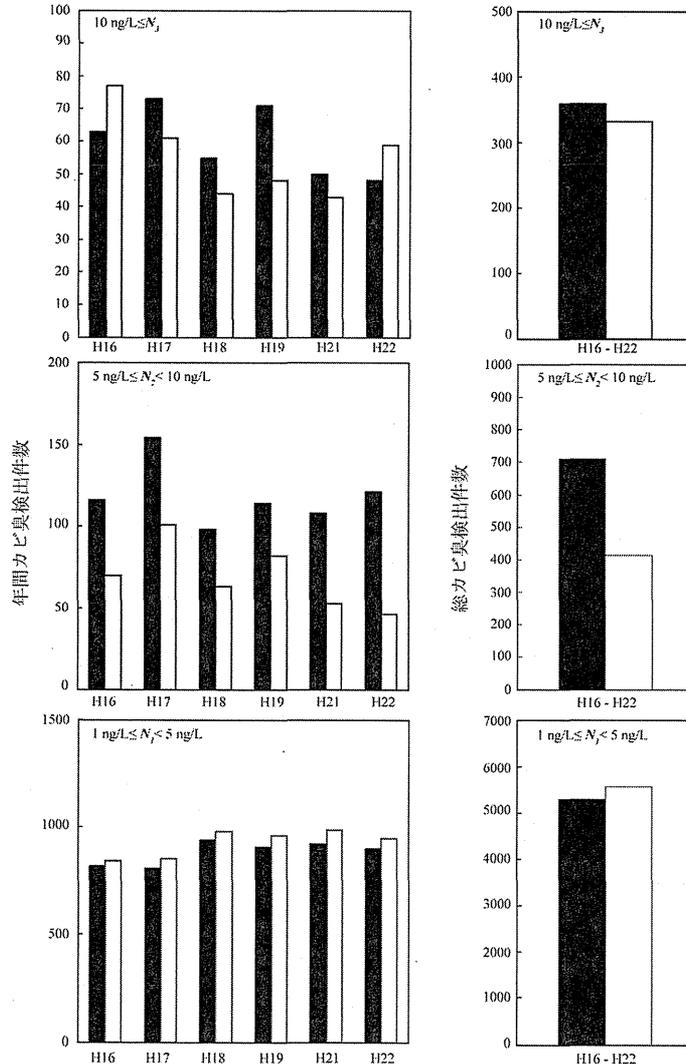


図 11 年間カビ臭検出件数および総カビ臭検出件数  
黒棒は、ジェオスミン、白棒は、2-MIB を示す。

## 研究成果の刊行に関する一覧表

### 1. 論文発表

- 1) Kishida N, Sagehashi M, Takanashi H, Fujimoto N, Akiba M. Nationwide survey of organism-related off-flavor problems in Japanese drinking water treatment plants (2010–2012). *J Water Supply Res T* 2015;64(7):832-8.
- 2) Fujimoto N, Mizuno K, Yokoyama T, Ohnishi A, Suzuki M, Watanabe S, Komatsu K, Sakata Y, Kishida N, Akiba M, Matsukura S. Community analysis of picocyanobacteria in an oligotrophic lake by cloning 16S rRNA gene and 16S rRNA gene amplicon sequencing. *J Gen Appl Microbiol* 2015;61(5):171-6.

### 2. 学会発表

- 1) 渡邊英梨香, 藤本尚志, 大西章博, 鈴木昌治, 藤瀬大輝, 岸田直裕, 秋葉道宏. 16S rRNA遺伝子アンプリコンシーケンシングによる浄水処理工程水の細菌相の評価. 平成27年度全国会議 (水道研究発表会) ; 2015年10月, さいたま市. 同講演集pp. 630-631.
- 2) 靱山将, 下ヶ橋雅樹, 秋葉道宏. 気候変動の水道システム影響評価のための相模川流域水文モデルの作成. 日本水環境学会第 50 回年会 ; 2016 年 3 月 ; 徳島. 同講演要旨集 (印刷中) .
- 3) 加村瑞希, 遠藤雅也, 篠原健吾, 内海真生, 岸田直裕, 秋葉道宏, 清水和哉. カビ臭物質産生微生物によるカビ臭物質産生特性. 日本水環境学会第 50 回年会 ; 2016 年 3 月 ; 徳島. 同講演要旨集 (印刷中) .

