

(2) 石油系混合溶剤等の成分組成調査 (研究報告 P48)

No.1(印刷 洗浄工程)

| 分類名 | 炭素数 | 物質名 | 質量% | 計 | |
|---------|-----------------------------|-------------------------------|--------------|-------|-----|
| アルカン | 7 | Heptane | 0.1 | 0.1 | |
| | 8 | Octane | 0.5 | | |
| | 8 | 2-Methylheptane | 0.1 | 0.8 | |
| | 8 | 3-Methylheptane | 0.1 | | |
| | 9 | Nonane | 3.1 | | |
| | 9 | 2-Methyloctane | 0.4 | 4.3 | |
| | 9 | 3-Methyloctane | 0.5 | | |
| | 9 | 4-Methyloctane | 0.3 | | |
| | 9 | 3-Ethylheptane | 0.1 | | |
| | 10 | Decane | 18.9 | | |
| | 10 | 2-Methylnonane | 2.7 | 33.1 | |
| | 10 | 3-Methylnonane | 2.8 | | |
| | 10 | 3-Ethylheptane | 0.5 | | |
| | 10 | 3,3-Dimethyloctane | 0.3 | | |
| | 10 | 5-Ethyl-3-methylheptane | 1.4 | | |
| | 10 | 2,3-Dimethyloctane | 0.5 | | |
| | 10 | C10アルカン | 5.9 | | |
| アルケン | 11 | Undecane | 2.8 | 12.8 | |
| | 11 | C11アルカン | 10.0 | | |
| | 12 | Dodecane | 0.1 | 0.5 | |
| アルケン | 12 | C12アルカン | 0.4 | | |
| | 9 | C9アルケン | 0.1 | 0.1 | |
| | 10 | C10アルケン | 2.2 | 2.2 | |
| シクロアルカン | 11 | C11アルケン | 0.5 | 0.5 | |
| | 7 | Methylcyclohexane | 0.1 | 0.1 | |
| | 8 | trans-1,2-Dimethylcyclohexane | 0.1 | 0.5 | |
| | 8 | trans-1,4-Dimethylcyclohexane | 0.1 | | |
| | 8 | Propylcyclopentane | 0.2 | | |
| | 8 | C8シクロアルカン | 0.2 | | |
| | 9 | 1,1,2-Trimethylcyclohexane | 0.1 | 2.6 | |
| | 9 | 1,1,4-Trimethylcyclohexane | 0.3 | | |
| | 9 | 1,2,4-Trimethylcyclohexane | 0.1 | | |
| | 9 | Butylcyclopentane | 0.1 | | |
| | 9 | 1-Methylethylcyclohexane | 0.3 | | |
| 芳香族 | 9 | C9シクロアルカン | 1.8 | 10.3 | |
| | 10 | 1-Methyl-3-propylcyclohexane | 0.9 | | |
| | 10 | 2-Methylpropylcyclohexane | 0.4 | | |
| | 10 | C10シクロアルカン | 9.0 | | |
| | 11 | C11シクロアルカン | 1.4 | 1.4 | |
| | 芳香族 | 7 | Toluene | 0.1 | 0.1 |
| | | 8 | m-Xylene | 0.4 | 1.4 |
| | | 8 | p-Xylene | 0.3 | |
| | | 8 | o-Xylene | 0.4 | |
| | | 8 | Ethylbenzene | 0.2 | |
| 9 | | 1,2,3-Trimethylbenzene | 2.2 | 13.0 | |
| 9 | | 1,2,4-Trimethylbenzene | 4.2 | | |
| 9 | | 1,3,5-Trimethylbenzene | 2.0 | | |
| 9 | | 1-Ethyl-2-methylbenzene | 1.3 | | |
| 9 | | 1-Ethyl-3-methylbenzene | 1.3 | | |
| 9 | | 1-Ethyl-4-methylbenzene | 0.9 | | |
| 9 | | Isopropylbenzene | 0.1 | | |
| 9 | | Propylbenzene | 0.7 | | |
| 9 | | C9アロマティック | 0.2 | | |
| 10 | | 1,2,3,5-Tetramethylbenzene | 0.3 | 14.4 | |
| 10 | | 2-Ethyl-1,4-dimethylbenzene | 1.9 | | |
| 10 | | 4-Ethyl-1,3-dimethylbenzene | 1.1 | | |
| 10 | | 1,2-Diethylbenzene | 0.4 | | |
| 10 | | 1-Methyl-2-propylbenzene | 1.3 | | |
| 10 | | 1-Methyl-3-propylbenzene | 1.5 | | |
| 10 | | Butylbenzene | 0.5 | | |
| 10 | | 1-Methyl-2-isopropylbenzene | 0.3 | | |
| 10 | | 1-Methyl-3-isopropylbenzene | 0.6 | | |
| 10 | 1-Methyl-4-isopropylbenzene | 0.7 | | | |
| 10 | Diethylbenzene | 0.8 | | | |
| 10 | 1-Ethyl-2,3-dimethylbenzene | 0.5 | | | |
| 10 | 1-Ethyl-3,5-dimethylbenzene | 1.0 | | | |
| 10 | 2-Ethyl-1,3-dimethylbenzene | 0.2 | | | |
| 10 | 4-Ethyl-1,2-dimethylbenzene | 0.9 | | | |
| 10 | trans-Decahydronaphthalene | 0.3 | | | |
| 10 | C10アロマティック | 1.9 | | | |
| 11 | 1-Ethyl-4-isopropylbenzene | 0.1 | 1.2 | | |
| 11 | C11アロマティック | 1.1 | | | |
| その他 | - | Unknown | 0.9 | 0.9 | |
| 合計 | | | 100.0 | 100.0 | |

No.2(印刷 洗浄工程)

| 分類名 | 炭素数 | 物質名 | 質量% | 計 |
|---------|-------------------------------|---------------------------------------|-------|-------|
| アルカン | 9 | Nonane | 7.0 | |
| | 9 | 2-Methyloctane | 0.3 | 8.0 |
| | 9 | 3-Methyloctane | 0.5 | |
| | 9 | 4-Methyloctane | 0.2 | |
| | 9 | 2,3-Dimethylheptane | 0.1 | |
| | 10 | Decane | 10.3 | |
| | 10 | 3-Methylnonane | 1.7 | 24.0 |
| | 10 | 3-Ethylheptane | 0.4 | |
| | 10 | 2,4,5-Trimethylheptane | 0.4 | |
| | 10 | C10アルカン | 11.2 | |
| | 11 | Undecane | 4.2 | 12.6 |
| アルケン | 11 | C11アルカン | 8.4 | |
| | 12 | C12アルカン | 0.3 | 0.3 |
| | 7 | C7アルケン | 0.3 | 0.3 |
| シクロアルカン | 10 | C10アルケン | 0.1 | 0.1 |
| | 11 | C11アルケン | 0.1 | 0.1 |
| | 7 | C7シクロアルカン | 0.2 | 0.2 |
| | 8 | C8シクロアルカン | 0.2 | 0.2 |
| | 9 | 1-Methylethylcyclohexane | 0.6 | 5.9 |
| | 9 | 1,1,2-Trimethylcyclohexane | 0.2 | |
| | 9 | 1,1,4-Trimethylcyclohexane | 0.1 | |
| | 9 | 1,2,3-Trimethylcyclohexane | 0.1 | |
| | 9 | 1,2,4-Trimethylcyclohexane | 0.1 | |
| | 9 | Butylcyclopentane | 0.6 | |
| | 9 | 2-Methylpropylcyclopentane | 0.1 | |
| 芳香族 | 9 | C9シクロアルカン | 4.1 | 8.2 |
| | 10 | trans-1-Methyl-4-isopropylcyclohexane | 0.4 | |
| | 10 | C10シクロアルカン | 7.8 | |
| | 11 | C11シクロアルカン | 2.0 | 2.0 |
| | 8 | m-Xylene | 0.1 | 0.4 |
| | 8 | o-Xylene | 0.3 | |
| | 9 | 1,2,3-Trimethylbenzene | 2.1 | 26.8 |
| | 9 | 1,2,4-Trimethylbenzene | 9.4 | |
| | 9 | 1,3,5-Trimethylbenzene | 4.1 | |
| | 9 | 1-Ethyl-2-methylbenzene | 1.9 | |
| 9 | 1-Ethyl-3-methylbenzene | 4.2 | | |
| 9 | Isopropylbenzene | 0.4 | | |
| 9 | Propylbenzene | 1.6 | | |
| 9 | Indane | 0.1 | | |
| 9 | C9アロマティック | 3.0 | | |
| 10 | 1,2,4,5-Tetramethylbenzene | 0.4 | 7.9 | |
| 10 | 1,3-Diethylbenzene | 0.3 | | |
| 10 | 1-Methyl-2-propylbenzene | 0.6 | | |
| 10 | 1-Methyl-3-propylbenzene | 1.1 | | |
| 10 | 1-Methyl-4-propylbenzene | 0.5 | | |
| 10 | 1,2,3,4-tetrahydronaphthalene | 0.1 | | |
| 10 | 1-Methyl-3-isopropylbenzene | 0.4 | | |
| 10 | 1-Ethyl-3,5-dimethylbenzene | 0.9 | | |
| 10 | Diethylbenzene | 0.2 | | |
| 10 | 1-Ethyl-2,3-dimethylbenzene | 0.4 | | |
| 10 | 2-Ethyl-1,3-dimethylbenzene | 0.1 | | |
| 10 | 4-Ethyl-1,2-dimethylbenzene | 0.8 | | |
| 10 | trans-Decahydronaphthalene | 0.1 | | |
| 10 | C10アロマティック | 2.1 | | |
| 11 | C11アロマティック | 0.5 | 0.5 | |
| その他 | - | Unknown | 2.6 | 2.6 |
| 合計 | | | 100.0 | 100.0 |

注1) 「質量%」の欄と「計」の欄は、四捨五入の関係で合わない場合がある。

注2) 同一の物質名が併記されているものは、ライブラリ検索と保持時間による同定を併用したことによる。

注3) 物質名が特定できず、分類名と炭素数のみ特定されたピークは、「C10 アルカン」のようにグループ化した。

No.3(印刷 洗浄工程)

| 分類名 | 炭素数 | 物質名 | 質量% | 計 | | |
|---------|---------|----------------------------|-------------------------------|-----------------------------|-------|-------|
| アルカン | 7 | Heptane | 0.1 | 0.1 | | |
| | 8 | Octane | 0.5 | | | |
| | 8 | 2-Methylheptane | 0.1 | 0.7 | | |
| | 8 | 3-Methylheptane | 0.1 | | | |
| | 9 | Nonane | 3.1 | 4.3 | | |
| | 9 | 2-Methyloctane | 0.4 | | | |
| | 9 | 3-Methyloctane | 0.5 | | | |
| | 9 | 4-Methyloctane | 0.3 | | | |
| | 9 | 3-Ethylheptane | 0.1 | | | |
| | アルカン | 10 | Decane | 19.0 | 35.3 | |
| | | 10 | 3-Methylnonane | 2.9 | | |
| | | 10 | 3,6-Dimethyloctane | 1.6 | | |
| | | 10 | 3-Ethyoctane | 0.5 | | |
| | | 10 | C10アルカン | 11.3 | | |
| アルケン | | 11 | Undecane | 2.6 | 11.4 | |
| | | 11 | C11アルカン | 8.8 | | |
| | | 12 | Dodecane | 0.1 | 0.5 | |
| シクロアルカン | | 12 | C12アルカン | 0.3 | 0.5 | |
| | | 13 | C13アルカン | 0.5 | | |
| | 10 | C10アルケン | 0.7 | 0.7 | | |
| | 11 | C11アルケン | 0.1 | 0.1 | | |
| | シクロアルカン | 7 | Methylcyclohexane | 0.1 | 0.1 | |
| | | 8 | cis-1,3-Dimethylcyclohexane | 0.1 | 0.5 | |
| | | 8 | trans-1,2-Dimethylcyclohexane | 0.1 | | |
| | | 8 | C8シクロアルカン | 0.4 | 3.3 | |
| | | 9 | 1,1,2-Trimethylcyclohexane | 0.1 | | |
| | | 9 | 1,1,3-Trimethylcyclohexane | 0.3 | | |
| 9 | | 1,2,4-Trimethylcyclohexane | 0.1 | | | |
| 9 | | Isopropylcyclohexane | 0.3 | | | |
| 芳香族 | | 9 | Butylcyclopentane | 0.4 | 9.5 | |
| | | 9 | C9シクロアルカン | 2.3 | | |
| | | 10 | C10シクロアルカン | 9.5 | 9.5 | |
| | 11 | C11シクロアルカン | 0.7 | 0.7 | | |
| | 芳香族 | 7 | Toluene | 0.1 | 0.1 | |
| | | 8 | m-Xylene | 0.4 | 1.4 | |
| | | 8 | p-Xylene | 0.3 | | |
| | | 8 | o-Xylene | 0.4 | | |
| | | 8 | Ethylbenzene | 0.2 | | |
| | | 芳香族 | 9 | 1,2,3-Trimethylbenzene | 2.3 | 14.6 |
| 9 | | | 1,2,4-Trimethylbenzene | 4.6 | | |
| 9 | | | 1,3,5-Trimethylbenzene | 2.2 | | |
| 9 | | | 1-Ethyl-3-methylbenzene | 1.4 | | |
| 9 | | | 1-Ethyl-4-methylbenzene | 1.0 | | |
| 芳香族 | | | 9 | Isopropylbenzene | 0.1 | 14.3 |
| | | | 9 | Propylbenzene | 0.7 | |
| | | | 9 | Indane | 0.7 | |
| | | | 9 | C9アロマティック | 1.7 | |
| | 10 | | 1,2,4,5-Tetramethylbenzene | 0.3 | | |
| | 芳香族 | | 10 | 2-Ethyl-1,4-dimethylbenzene | 1.8 | 1.1 |
| | | | 10 | 1,2-Diethylbenzene | 0.4 | |
| | | | 10 | 1-Methyl-2-propylbenzene | 1.3 | |
| | | | 10 | 1-Methyl-3-propylbenzene | 1.5 | |
| | | 10 | 1-Methyl-4-propylbenzene | 0.8 | | |
| | | 芳香族 | 10 | Butylbenzene | 0.5 | 1.1 |
| | | | 10 | Naphthalene | 0.1 | |
| | | | 10 | 1-Methylpropylbenzene | 0.2 | |
| | | | 10 | 1-Methyl-2-isopropylbenzene | 0.3 | |
| 10 | | | 1-Methyl-3-isopropylbenzene | 0.6 | | |
| 芳香族 | | | 10 | 1-Methyl-4-isopropylbenzene | 0.7 | 1.1 |
| | | | 10 | 1-Ethyl-3,5-dimethylbenzene | 1.0 | |
| | | | 10 | 2-Ethyl-1,3-dimethylbenzene | 0.1 | |
| | | | 10 | trans-Decahydronaphthalene | 0.4 | |
| | 10 | | C10アロマティック | 4.3 | | |
| | 11 | | C11アロマティック | 1.1 | 1.1 | |
| | その他 | | - | Unknown | 1.0 | 1.0 |
| | 合計 | | | | 100.0 | 100.0 |

No.4(塗装工程)

| 分類名 | 炭素数 | 物質名 | 質量% | 計 | | |
|---------|---------|-------------------------|--------------------------------|-------------------------------|-------|-----|
| アルカン | 8 | Octane | 0.1 | 0.1 | | |
| | 9 | Nonane | 6.6 | 7.8 | | |
| | 9 | 2-Methyloctane | 0.4 | | | |
| | 9 | 3-Methyloctane | 0.6 | | | |
| | 9 | 4-Methyloctane | 0.3 | | | |
| | 9 | 3-Ethylheptane | 0.1 | | | |
| | アルケン | 10 | Decane | 10.5 | 22.6 | |
| | | 10 | 2-Methylnonane | 1.8 | | |
| | | 10 | 3-Methylnonane | 1.9 | | |
| | | 10 | 4-Methylnonane | 2.0 | | |
| | | 10 | 5-Methylnonane | 0.8 | | |
| | | 10 | 2,5-Dimethyloctane | 0.4 | | |
| | | 10 | 2,7-Dimethyloctane | 0.4 | | |
| | | 10 | 3-Ethyoctane | 0.4 | | |
| 10 | | 3,3-Dimethyloctane | 1.8 | | | |
| 10 | | 3,5-Dimethyloctane | 0.1 | | | |
| 10 | | 5-Ethyl-3-methylheptane | 1.3 | | | |
| 10 | | C10アルカン | 1.1 | | | |
| アルケン | | 11 | Undecane | 4.2 | 13.7 | |
| | | 11 | 2-Methyldecane | 1.8 | | |
| | 11 | 3-Methyldecane | 1.0 | | | |
| | 11 | 4-Methyldecane | 0.9 | | | |
| | 11 | 5-Methyldecane | 0.9 | | | |
| | 11 | C11アルカン | 4.9 | | | |
| | シクロアルカン | 12 | C12アルカン | 0.4 | 0.4 | |
| | | 10 | C10アルケン | 0.5 | 0.5 | |
| | | 11 | C11アルケン | 0.2 | 0.2 | |
| | | 9 | Butylcyclopentane | 0.6 | 4.4 | |
| | | 9 | 1,1,2-Trimethylcyclohexane | 0.2 | | |
| | | 9 | 1,1,4-Trimethylcyclohexane | 0.1 | | |
| | | 9 | ctt-1,2,4-Trimethylcyclohexane | 0.1 | | |
| | | 9 | ctc-1,2,4-Trimethylcyclohexane | 0.1 | | |
| シクロアルカン | | 9 | Isopropylcyclohexane | 0.5 | 5.9 | |
| | | 9 | C9シクロアルカン | 2.8 | | |
| | | 10 | C10シクロアルカン | 5.9 | 5.9 | |
| | | 11 | 2-Methyl-trans-decalin 又はその異性体 | 0.4 | 1.6 | |
| | | 11 | 2-Methyl-trans-decalin 又はその異性体 | 0.1 | | |
| | | 11 | C11シクロアルカン | 1.1 | 0.9 | |
| | 8 | m-Xylene | 0.2 | | | |
| | 8 | p-Xylene | 0.2 | | | |
| | 8 | o-Xylene | 0.4 | | | |
| | 8 | Ethylbenzene | 0.1 | | | |
| | 芳香族 | 9 | 1,2,3-Trimethylbenzene | 2.0 | 26.1 | |
| | | 9 | 1,2,4-Trimethylbenzene | 8.6 | | |
| | | 9 | 1,3,5-Trimethylbenzene | 4.0 | | |
| | | 9 | 1-Ethyl-2-methylbenzene | 2.1 | | |
| 9 | | 1-Ethyl-3-methylbenzene | 4.2 | | | |
| 芳香族 | | 9 | 1-Ethyl-4-methylbenzene | 2.5 | 7.9 | |
| | | 9 | Isopropylbenzene | 0.4 | | |
| | | 9 | Propylbenzene | 1.6 | | |
| | | 9 | cis-Hydroindane | 0.7 | | |
| | | 10 | 1,2,3,5-Tetramethylbenzene | 0.3 | | |
| | | 芳香族 | 10 | 1,2-Diethylbenzene | 0.2 | 0.7 |
| | | | 10 | 1-Methyl-2-propylbenzene | 0.8 | |
| | | | 10 | 1-Methyl-3-propylbenzene | 1.1 | |
| | | | 10 | 1-Methyl-4-propylbenzene | 0.6 | |
| | 10 | | 1-Methyl-2-isopropylbenzene | 0.2 | | |
| | 芳香族 | | 10 | 1-Methyl-3-isopropylbenzene | 0.4 | 7.2 |
| | | | 10 | 1-Methyl-4-isopropylbenzene | 0.4 | |
| | | | 10 | Butylbenzene | 0.3 | |
| | | | 10 | 1,2,3,4-Tetrahydronaphthalene | 0.1 | |
| 10 | | | 5-Methylindene | 0.1 | | |
| 10 | | | 1-Ethyl-2,3-dimethylbenzene | 0.3 | | |
| 10 | | | 1-Ethyl-3,5-dimethylbenzene | 0.9 | | |
| 10 | | | 2-Ethyl-1,3-dimethylbenzene | 0.3 | | |
| 10 | | | trans-Decahydronaphthalene | 0.6 | | |
| 10 | | C10アロマティック | 1.5 | | | |
| 11 | | C11アロマティック | 0.7 | 0.7 | | |
| その他 | | - | Unknown | 7.2 | 7.2 | |
| 合計 | | | | 100.0 | 100.0 | |

注 1) 「質量%」の欄と「計」の欄は、四捨五入の関係で合わない場合がある。

注 2) 同一の物質名が併記されているものは、ライブラリ検索と保持時間による同定を併用したことによる。

注 3) 物質名が特定できず、分類名と炭素数のみ特定されたピークは、「C10 アルカン」のようにグループ化した。

No.5(塗装工程)

| 分類名 | 炭素数 | 物質名 | 質量% | 計 |
|-----|-----------------------------|-----------------------------|-------|-------|
| 芳香族 | 8 | m-Xylene | 16.8 | 73.8 |
| | 8 | p-Xylene | 6.8 | |
| | 8 | o-Xylene | 6.9 | |
| | 8 | Ethylbenzene | 43.3 | |
| | 9 | 1,2,3-Trimethylbenzene | 1.3 | 15.0 |
| | 9 | 1,2,4-Trimethylbenzene | 6.0 | |
| | 9 | 1,3,5-Trimethylbenzene | 1.4 | |
| | 9 | 1-Ethyl-2-methylbenzene | 1.0 | |
| | 9 | 1-Ethyl-3-methylbenzene | 2.7 | |
| | 9 | 1-Ethyl-4-methylbenzene | 1.5 | |
| | 9 | Isopropylbenzene | 0.3 | |
| | 9 | Propylbenzene | 0.7 | |
| | 9 | Indane | 0.2 | |
| | 10 | 1,2,3,5-Tetramethylbenzene | 0.7 | |
| | 10 | 1,2,4,5-Tetramethylbenzene | 0.5 | |
| | 10 | 1,3-Dimethyl-4-ethylbenzene | 0.3 | |
| | 10 | 1,3-Dimethyl-5-ethylbenzene | 0.4 | |
| | 10 | 1,3-Diethylbenzene | 0.2 | |
| | 10 | 1-Methyl-2-propylbenzene | 0.1 | |
| | 10 | 1-Methyl-3-propylbenzene | 0.2 | |
| | 10 | 1-Methyl-4-propylbenzene | 0.2 | |
| | 10 | Naphthalene | 0.6 | |
| | 10 | 4-Methylindane | 0.1 | |
| | 10 | 5-Methylindane | 0.1 | |
| | 10 | 1,2-Dimethyl-4-ethylbenzene | 0.7 | |
| | 10 | 1,4-Dimethyl-2-ethylbenzene | 0.3 | |
| 10 | 2,3-Dimethyl-1-ethylbenzene | 0.2 | | |
| 10 | 1,2,3,4-Tetramethylbenzene | 0.2 | | |
| 11 | C11アロマティック | 0.1 | 0.1 | |
| その他 | - | n-Butylacetate | 6.2 | 6.2 |
| 合計 | | | 100.0 | 100.0 |

No.6(塗装工程)

| 分類名 | 炭素数 | 物質名 | 質量% | 計 |
|---------|-----------------------------|---|-------|-------|
| アルカン | 8 | 2,3-Dimethylhexane | 0.1 | 0.8 |
| | 8 | 2,4-Dimethylhexane | 0.1 | |
| | 8 | C8アルカン | 0.7 | 0.7 |
| | 9 | Nonane | 0.4 | |
| | 9 | C9アルカン | 0.3 | |
| | 10 | Decane | 1.0 | 1.9 |
| | 10 | 2-Methylnonane | 0.2 | |
| | 10 | 3-Methylnonane | 0.2 | |
| | 10 | 4-Methylnonane | 0.2 | |
| | 10 | 5-Methylnonane | 0.1 | |
| | 10 | 3,3-Dimethyloctane | 0.1 | |
| 10 | C10アルカン | 0.1 | | |
| 11 | Undecane | 0.4 | | |
| 11 | C11アルカン | 0.8 | 1.2 | |
| アルケン | 4 | 2-Methyl-1-propene | 22.7 | 22.7 |
| | 7 | trans-2-Heptene | 0.8 | |
| | 7 | trans-3-Heptene | 0.2 | 1.1 |
| | 7 | cis-2-Heptene | 0.1 | |
| 10 | Camphene | 3.0 | 3.0 | |
| シクロアルカン | 10 | C10シクロアルカン | 0.1 | 0.1 |
| 芳香族 | 8 | Styrene | 5.3 | 5.6 |
| | 8 | C8アロマティック | 0.3 | |
| | 9 | 1,2,3-Trimethylbenzene | 0.4 | 5.0 |
| | 9 | 1,2,4-Trimethylbenzene | 1.9 | |
| | 9 | 1,3,5-Trimethylbenzene | 0.5 | |
| | 9 | 1-Ethyl-2-methylbenzene | 0.4 | |
| | 9 | 1-Ethyl-3-methylbenzene | 0.9 | |
| | 9 | 1-Ethyl-4-methylbenzene | 0.4 | |
| | 9 | Isopropylbenzene | 0.1 | |
| | 9 | Propylbenzene | 0.2 | |
| | 9 | Indane | 0.1 | |
| | 10 | 1-Methyl-2-propylbenzene | 0.1 | 0.6 |
| | 10 | 1-Methyl-3-propylbenzene | 0.1 | |
| | 10 | 1-Methyl-4-propylbenzene | 0.1 | |
| 10 | 1-Ethyl-3,5-dimethylbenzene | 0.1 | | |
| 10 | 4-Ethyl-1,2-dimethylbenzene | 0.1 | | |
| 10 | C10アロマティック | 0.1 | | |
| その他 | 4 | 2-Methyl-2-propanol | 0.7 | 57.4 |
| | 4 | 1-Butanol | 0.1 | |
| | 5 | 2-Propenoicacid,2-methyl-,methylester又はその異性体 | 0.1 | |
| | 6 | Aceticacid,butylester | 33.0 | |
| | 6 | 2-Propenoicacid,2-methyl-,2-hydroxyethylester又はその異性体 | 5.5 | |
| | 6 | Propanol,methoxy-,acetate又はその異性体 | 3.3 | |
| | 7 | 2-Heptanone | 5.6 | |
| | 8 | 2-Propenoicacid,2-methyl-,1,1-dimethylethylester又はその異性体 | 0.4 | |
| | 8 | 2-Propenoicacid,2-methyl-,2-methylpropylester又はその異性体 | 0.2 | |
| | 8 | 2-Propenoicacid,2-methyl-,2-methylpropylester又はその異性体 | 2.0 | |
| | 8 | 2-Ethylhexanoicacid | 0.6 | |
| | 8 | 1,4-Cyclohexanedimethanol又はその異性体 | 0.6 | |
| | 8 | 1,4-Cyclohexanedimethanol又はその異性体 | 0.3 | |
| - | Unknown | 5.1 | | |
| 合計 | | | 100.0 | 100.0 |

注 1) 「質量%」の欄と「計」の欄は、四捨五入の関係で合わない場合がある。

注 2) 同一の物質名が併記されているものは、ライブラリ検索と保持時間による同定を併用したことによる。

注 3) 物質名が特定できず、分類名と炭素数のみ特定されたピークは、「C10 アルカン」のようにグループ化した。

No.7(その他)

| 分類名 | 炭素数 | 物質名 | 質量% | 計 |
|------|-----------------------------|--|-------|-------|
| アルカン | 11 | Undecane | 0.7 | 0.7 |
| | 12 | Dodecane | 0.3 | |
| | 12 | C12アルカン | 0.8 | |
| 芳香族 | 9 | 1,2,3-Trimethylbenzene | 5.0 | 8.9 |
| | 9 | 1,2,4-Trimethylbenzene | 2.6 | |
| | 9 | 1,3,5-Trimethylbenzene | 0.1 | |
| | 9 | 1-Ethyl-2-methylbenzene | 0.1 | |
| | 9 | 1-Ethyl-3-methylbenzene | 0.1 | |
| | 9 | Indene | 0.1 | |
| | 9 | Indane | 1.0 | |
| | 10 | 1,2,3,5-Tetramethylbenzene | 12.6 | 73.3 |
| | 10 | 1,2,4,5-Tetramethylbenzene | 8.6 | |
| | 10 | 1,2-Dimethyl-3-ethylbenzene | 2.6 | |
| | 10 | 1,3-Dimethyl-2-ethylbenzene | 0.5 | |
| | 10 | 1,3-Dimethyl-4-ethylbenzene | 4.2 | |
| | 10 | 1,3-Dimethyl-5-ethylbenzene | 4.9 | |
| | 10 | 1,2-Diethylbenzene | 0.4 | |
| | 10 | 1,3-Diethylbenzene | 1.7 | |
| | 10 | 1-Methyl-2-propylbenzene | 1.2 | |
| | 10 | 1-Methyl-3-propylbenzene | 2.6 | |
| | 10 | 1-Methyl-4-propylbenzene | 2.5 | |
| | 10 | 1-Methyl-4-isopropylbenzene | 0.1 | |
| | 10 | Butylbenzene | 0.5 | |
| | 10 | sec-Butylbenzen | 0.1 | |
| | 10 | Naphthalene | 12.2 | |
| | 10 | 1-Methylindene | 2.1 | |
| | 10 | 1-Methyl-2-(2-propenyl)-benzene又はその異性体 | 0.1 | |
| | 10 | 4-Methylindan | 0.3 | |
| | 10 | 5-Methylindan | 2.4 | |
| | 10 | 1,2-Dimethyl-4-ethylbenzene | 9.9 | |
| 10 | 1,4-Dimethyl-2-ethylbenzene | 3.9 | | |
| 10 | C10アロマティック | 0.1 | | |
| 芳香族 | 11 | 1-Methyl-1-butenylbenzene又はその異性体 | 0.1 | 15.3 |
| | 11 | Dimethylindane | 0.1 | |
| | 11 | 1,2,3,4-Tetrahydro-2-methylnaphthalene | 0.1 | |
| | 11 | 2-Ethylindane | 0.1 | |
| | 11 | Dimethylindane | 0.3 | |
| | 11 | 4,7-Dimethylindane | 0.1 | |
| | 11 | 1-Ethyl-2-isopropylbenzene | 0.1 | |
| | 11 | 1-Ethyl-4-isopropylbenzene | 0.4 | |
| | 11 | 2,4-Dimethyl-1-isopropylbenzene | 0.1 | |
| | 11 | Decahydro-2-methylnaphthalene | 0.1 | |
| 11 | C11アロマティック | 13.8 | | |
| 12 | C12アロマティック | 0.1 | 0.1 | |
| その他 | - | Unknown | 0.7 | 0.7 |
| 合計 | | | 100.0 | 100.0 |

No.8(洗浄工程)

| 分類名 | 炭素数 | 物質名 | 質量% | 計 |
|------|-----|-----------------------------|-------|-------|
| アルカン | 9 | Nonane | <0.1 | <0.1 |
| | 10 | Decane | 99.7 | |
| | 10 | 2-Methylnonane | <0.1 | |
| | 10 | 3-Methylnonane | <0.1 | |
| | 10 | C10アルカン | <0.1 | |
| | 11 | Undecane | 0.1 | |
| 芳香族 | 9 | 1,2,3-Trimethylbenzene | <0.1 | 0.1 |
| | 9 | 1,2,4-Trimethylbenzene | <0.1 | |
| | 10 | 1-Methyl-2-propylbenzene | <0.1 | |
| | 10 | 1-Methyl-3-propylbenzene | <0.1 | |
| | 10 | 1,4-Dimethyl-2-ethylbenzene | <0.1 | |
| 合計 | | | 100.0 | 100.0 |

注 1) 「質量%」の欄と「計」の欄は、四捨五入の関係で合わない場合がある。

注 2) 同一の物質名が併記されているものは、ライブラリ検索と保持時間による同定を併用したことによる。

注 3) 物質名が特定できず、分類名と炭素数のみ特定されたピークは、「C10 アルカン」のようにグループ化した。

No.9(塗装工程 その他)

| 分類名 | 炭素数 | 物質名 | 質量% | 計 | | |
|---------|-------------------------|--------------------|--------------------------------|-------------------------|------|------|
| アルカン | 6 | Hexane | 0.9 | 1.3 | | |
| | 6 | 2-Methylpentane | 0.2 | | | |
| | 6 | 3-Methylpentane | 0.2 | | | |
| | アルカン | 7 | Heptane | 8.2 | 12.2 | |
| | | 7 | 2-Methylhexane | 1.3 | | |
| | | 7 | 3-Methylhexane | 1.9 | | |
| | | 7 | 2,3-Dimethylpentane | 0.5 | | |
| | | 7 | 2,4-Dimethylpentane | 0.1 | | |
| | | 7 | 3-Ethylpentane | 0.2 | | |
| | | 8 | Octane | 14.5 | | 26.4 |
| | | 8 | 2,2-Dimethylhexane | 0.1 | | |
| | | 8 | 2,3-Dimethylhexane | 0.8 | | |
| | | 8 | 2,4-Dimethylhexane | 0.9 | | |
| | 8 | 2,5-Dimethylhexane | 0.7 | | | |
| | 8 | 2-Methylheptane | 5.6 | | | |
| | 8 | 4-Methylheptane | 1.7 | | | |
| | 8 | Dimethylhexane | 0.3 | | | |
| | 8 | C8アルカン | 1.8 | | | |
| | アルケン | 9 | Nonane | 2.8 | 10.4 | |
| | | 9 | 2-Methyloctane | 1.6 | | |
| | | 9 | 3-Methyloctane | 2.0 | | |
| | | 9 | 3,4-Dimethylheptane(D) | 0.1 | | |
| | | 9 | 3,4-Dimethylheptane(L) | 0.1 | | |
| | | 9 | 2,2-Dimethylheptane | 0.2 | | |
| | | 9 | 2,4-Dimethylheptane | 0.6 | | |
| | | 9 | 2,5-Dimethylheptane | 1.2 | | |
| | | 9 | Ethylheptane | 0.2 | | |
| | | 9 | 4-Methyloctane | 1.4 | | |
| | | 9 | C9アルカン | 0.1 | | |
| | | 9 | C9アルケン | 0.1 | | |
| | | シクロアルカン | 6 | Cyclohexane | | 0.4 |
| | 6 | | Methylcyclopentane | 0.3 | | |
| | 7 | | Methylcyclohexane | 3.4 | | |
| シクロアルカン | 7 | | Ethylcyclopentane | 0.6 | 5.2 | |
| | 7 | | 1,1-Dimethylcyclopentane | 0.1 | | |
| | 7 | | cis-1,3-Dimethylcyclopentane | 0.3 | | |
| | 7 | | trans-1,2-Dimethylcyclopentane | 0.5 | | |
| | 7 | | trans-1,3-Dimethylcyclopentane | 0.3 | | |
| | 7 | | Dimethylcyclopentane | 0.1 | | |
| | シクロアルカン | | 8 | 1,3-Dimethylcyclohexane | | 1.7 |
| 8 | | | trans-1,3-Dimethylcyclohexane | 0.5 | | |
| 8 | | | trans-1,4-Dimethylcyclohexane | 0.7 | | |
| 8 | | | Trimethylcyclopentane | 0.2 | | |
| 8 | | | 1,2,3-Trimethylcyclopentane | 0.6 | | |
| 8 | | | 1,2,4-Trimethylcyclopentane | 0.5 | | |
| 8 | | | 1,1-Dimethylcyclohexane | 0.3 | | |
| 8 | | | Ethylmethylcyclopentane | 0.5 | | |
| 8 | | | Ethylmethylcyclopentane | 0.4 | | |
| 8 | | | 1-Ethyl-1-methylcyclopentane | 0.1 | | |
| 8 | | | 1-Ethyl-2-methylcyclopentane | 0.9 | | |
| 8 | | | trans-1,2-Dimethylcyclohexane | 0.9 | | |
| 8 | | | Isopropylcyclopentane | 0.2 | | |
| 8 | | | cis-1,2-Dimethylcyclohexane | 0.3 | | |
| 8 | | | Methylcycloheptane | 0.1 | | |
| 8 | C8シクロアルカン | | 3.9 | | | |
| シクロアルカン | 9 | | 1,1,2-Trimethylcyclohexane | 0.1 | 3.6 | |
| | 9 | | 1,1,3-Trimethylcyclohexane | 1.1 | | |
| | 9 | | 1,2,4-Trimethylcyclohexane | 0.3 | | |
| | 9 | | 1,2,4-Trimethylcyclohexane | 0.1 | | |
| | 9 | | C9シクロアルカン | 2.0 | | |
| 芳香族 | 6 | Benzene | 0.1 | 0.1 | | |
| | 7 | Toluene | 13.5 | 13.5 | | |
| | 8 | m-Xylene | 3.2 | 9.5 | | |
| | 8 | p-Xylene | 2.2 | | | |
| | 8 | o-Xylene | 1.9 | | | |
| | 8 | Ethylbenzene | 2.3 | | | |
| 9 | 1-Ethyl-3-methylbenzene | <0.1 | 0.2 | | | |
| 9 | Isopropylbenzene | 0.1 | | | | |
| その他 | - | Unknown | 5.1 | 5.1 | | |
| 合計 | | | 100.0 | 100.0 | | |

No.10(印刷工程)

| 分類名 | 炭素数 | 物質名 | 質量% | 計 | |
|------|---------|--------------------|------------|-------|------|
| アルカン | 9 | C9アルカン | 0.6 | 43.4 | |
| | 10 | 3-Methylnonane | 0.1 | | |
| | 10 | 2,3-Dimethyloctane | 1.2 | | |
| | 10 | 3,6-Dimethyloctane | 0.3 | | |
| | 10 | C10アルカン | 41.8 | | |
| | 11 | C11アルカン | 25.0 | | 25.0 |
| | 12 | C12アルカン | 11.2 | | 11.2 |
| | 13 | C13アルカン | 6.1 | | 6.1 |
| | 16 | C16アルカン | 9.3 | | 9.3 |
| | シクロアルカン | 10 | C10シクロアルカン | | 1.0 |
| 11 | | C11シクロアルカン | 0.1 | 0.1 | |
| 12 | | C12シクロアルカン | 0.1 | 0.1 | |
| その他 | - | C10その他 | 3.1 | 3.1 | |
| 合計 | | | 100.0 | 100.0 | |

注 1) 「質量%」の欄と「計」の欄は、四捨五入の関係で合わない場合がある。

注 2) 同一の物質名が併記されているものは、ライブラリ検索と保持時間による同定を併用したことによる。

注 3) 物質名が特定できず、分類名と炭素数のみ特定されたピークは、「C10 アルカン」のようにグループ化した。