

## Surrogate Summary

SDG No.: **Q3719**

Client: **Remington & Vernick**

Analytical Method: **SW8260D**

| Lab Sample ID | Client ID     | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|---------------|-----------------------|-------|--------|--------------|------|------------|------|
|               |               |                       |       |        |              |      | Low        | High |
| Q3719-01      | SB-1125-10A   | 1,2-Dichloroethane-d4 | 50    | 59.0   | 118          |      | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 51.6   | 103          |      | 70         | 134  |
|               |               | Toluene-d8            | 50    | 46.3   | 92           |      | 74         | 123  |
|               |               | 4-Bromofluorobenzene  | 50    | 53.9   | 108          |      | 52         | 138  |
| Q3719-02      | SB-1125-10B   | 1,2-Dichloroethane-d4 | 50    | 55.4   | 111          |      | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 49.4   | 99           |      | 70         | 134  |
|               |               | Toluene-d8            | 50    | 44.4   | 89           |      | 74         | 123  |
|               |               | 4-Bromofluorobenzene  | 50    | 51.4   | 103          |      | 52         | 138  |
| Q3719-03      | SB-1125-11A   | 1,2-Dichloroethane-d4 | 50    | 69.1   | 138          |      | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 53.9   | 108          |      | 70         | 134  |
|               |               | Toluene-d8            | 50    | 48.3   | 97           |      | 74         | 123  |
|               |               | 4-Bromofluorobenzene  | 50    | 56.4   | 113          |      | 52         | 138  |
| Q3719-04      | SB-1125-11B   | 1,2-Dichloroethane-d4 | 50    | 71.8   | 144          |      | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 53.6   | 107          |      | 70         | 134  |
|               |               | Toluene-d8            | 50    | 47.2   | 94           |      | 74         | 123  |
|               |               | 4-Bromofluorobenzene  | 50    | 55.1   | 110          |      | 52         | 138  |
| Q3719-05      | SB-1125-12A   | 1,2-Dichloroethane-d4 | 50    | 70.1   | 140          |      | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 55.1   | 110          |      | 70         | 134  |
|               |               | Toluene-d8            | 50    | 48.6   | 97           |      | 74         | 123  |
|               |               | 4-Bromofluorobenzene  | 50    | 56.5   | 113          |      | 52         | 138  |
| Q3719-06      | SB-1125-12B   | 1,2-Dichloroethane-d4 | 50    | 69.5   | 139          |      | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 53.6   | 107          |      | 70         | 134  |
|               |               | Toluene-d8            | 50    | 46.0   | 92           |      | 74         | 123  |
|               |               | 4-Bromofluorobenzene  | 50    | 53.2   | 106          |      | 52         | 138  |
| Q3719-07      | SB-1125-14A   | 1,2-Dichloroethane-d4 | 50    | 65.8   | 132          |      | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 52.4   | 105          |      | 70         | 134  |
|               |               | Toluene-d8            | 50    | 43.7   | 87           |      | 74         | 123  |
|               |               | 4-Bromofluorobenzene  | 50    | 50.7   | 101          |      | 52         | 138  |
| Q3719-08      | SB-1125-14B   | 1,2-Dichloroethane-d4 | 50    | 69.7   | 139          |      | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 55.2   | 110          |      | 70         | 134  |
|               |               | Toluene-d8            | 50    | 47.1   | 94           |      | 74         | 123  |
|               |               | 4-Bromofluorobenzene  | 50    | 55.4   | 111          |      | 52         | 138  |
| Q3719-09      | SB-1125-15A   | 1,2-Dichloroethane-d4 | 50    | 74.4   | 149          |      | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 54.6   | 109          |      | 70         | 134  |
|               |               | Toluene-d8            | 50    | 46.7   | 93           |      | 74         | 123  |
|               |               | 4-Bromofluorobenzene  | 50    | 56.2   | 112          |      | 52         | 138  |
| Q3719-09RE    | SB-1125-15ARE | 1,2-Dichloroethane-d4 | 50    | 141    | 282          | *    | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 77.3   | 155          | *    | 70         | 134  |
|               |               | Toluene-d8            | 50    | 50.4   | 101          |      | 74         | 123  |
|               |               | 4-Bromofluorobenzene  | 50    | 57.9   | 116          |      | 52         | 138  |
| Q3719-10      | SB-1125-15B   | 1,2-Dichloroethane-d4 | 50    | 70.4   | 141          |      | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 55.5   | 111          |      | 70         | 134  |
|               |               | Toluene-d8            | 50    | 46.2   | 92           |      | 74         | 123  |
|               |               | 4-Bromofluorobenzene  | 50    | 55.1   | 110          |      | 52         | 138  |
| Q3719-11      | SB-1125-16A   | 1,2-Dichloroethane-d4 | 50    | 71.4   | 143          |      | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 55.5   | 111          |      | 70         | 134  |
|               |               | Toluene-d8            | 50    | 47.0   | 94           |      | 74         | 123  |
|               |               | 4-Bromofluorobenzene  | 50    | 55.7   | 111          |      | 52         | 138  |
| Q3719-12      | SB-1125-16B   | 1,2-Dichloroethane-d4 | 50    | 66.9   | 134          |      | 63         | 155  |
|               |               | Dibromofluoromethane  | 50    | 53.5   | 107          |      | 70         | 134  |

## Surrogate Summary

SDG No.: **Q3719**

Client: **Remington & Vernick**

Analytical Method: **SW8260D**

| Lab Sample ID | Client ID    | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------|-----------------------|-------|--------|--------------|------|------------|------|
|               |              |                       |       |        |              |      | Low        | High |
| Q3719-12      | SB-1125-16B  | Toluene-d8            | 50    | 45.2   | 90           |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 53.9   | 108          |      | 52         | 138  |
| Q3719-13      | SB-1125-17A  | 1,2-Dichloroethane-d4 | 50    | 63.8   | 128          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 54.9   | 110          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 50.4   | 101          |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 43.6   | 87           |      | 52         | 138  |
| Q3719-14      | SB-1125-17B  | 1,2-Dichloroethane-d4 | 50    | 62.0   | 124          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 48.2   | 96           |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 45.5   | 91           |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 59.6   | 119          |      | 52         | 138  |
| VW1125SBL01   | VW1125SBL01  | 1,2-Dichloroethane-d4 | 50    | 59.5   | 119          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 54.7   | 109          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 51.7   | 103          |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 50.6   | 101          |      | 52         | 138  |
| VW1125SBS01   | VW1125SBS01  | 1,2-Dichloroethane-d4 | 50    | 52.9   | 106          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 55.2   | 110          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 54.1   | 108          |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 54.4   | 109          |      | 52         | 138  |
| VW1125SBSD0   | VW1125SBSD01 | 1,2-Dichloroethane-d4 | 50    | 53.3   | 107          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 51.7   | 103          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 49.7   | 99           |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 51.1   | 102          |      | 52         | 138  |
| VW1126SBL01   | VW1126SBL01  | 1,2-Dichloroethane-d4 | 50    | 61.0   | 122          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 54.3   | 109          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 49.6   | 99           |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 47.2   | 94           |      | 52         | 138  |
| VW1126SBS01   | VW1126SBS01  | 1,2-Dichloroethane-d4 | 50    | 57.6   | 115          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 52.4   | 105          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 51.9   | 104          |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 51.4   | 103          |      | 52         | 138  |
| VY1201SBL01   | VY1201SBL01  | 1,2-Dichloroethane-d4 | 50    | 58.3   | 117          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 51.0   | 102          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 49.5   | 99           |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 42.2   | 84           |      | 52         | 138  |
| VY1201SBS01   | VY1201SBS01  | 1,2-Dichloroethane-d4 | 50    | 47.7   | 95           |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 50.5   | 101          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 50.2   | 100          |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 49.2   | 98           |      | 52         | 138  |