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A  
B  
C  
D

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** P3609  
**Client:** JACOBS Engineering Group, Inc.

| Sample ID   | Client ID | Matrix | Parameter            | Concentration | C | MDL  | RDL | Units |
|-------------|-----------|--------|----------------------|---------------|---|------|-----|-------|
| Client ID : |           |        |                      |               |   |      |     |       |
|             |           |        |                      | 0.000         |   |      |     |       |
|             |           |        | Total Svoc :         |               |   | 0.00 |     |       |
|             |           |        | Total Concentration: |               |   | 0.00 |     |       |



# SAMPLE DATA

A

B

C

D

## Report of Analysis

|                    |                                       |                 |               |
|--------------------|---------------------------------------|-----------------|---------------|
| Client:            | JACOBS Engineering Group, Inc.        | Date Collected: | 08/14/24      |
| Project:           | Former Schlumberger Site Princeton NJ | Date Received:  | 08/14/24      |
| Client Sample ID:  | 915-J-WS-081424                       | SDG No.:        | P3609         |
| Lab Sample ID:     | P3609-01                              | Matrix:         | Water         |
| Analytical Method: | SW8270                                | % Solid:        | 0             |
| Sample Wt/Vol:     | 960 Units: mL                         | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOCMS Group6 |
| Extraction Type :  | Decanted : N                          | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0                      | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C                               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM047256.D        | 1         | 08/15/24 08:23 | 08/19/24 17:28 | PB162757      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |            |       |
| 110-86-1       | Pyridine                   | 1.60  | U         | 1.60 | 5.20       | ug/L  |
| 100-52-7       | Benzaldehyde               | 4.20  | U         | 4.20 | 10.4       | ug/L  |
| 95-48-7        | 2-Methylphenol             | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 98-86-2        | Acetophenone               | 1.10  | U         | 1.10 | 5.20       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols          | 1.20  | U         | 1.20 | 10.4       | ug/L  |
| 98-95-3        | Nitrobenzene               | 1.30  | U         | 1.30 | 5.20       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol         | 0.92  | U         | 0.92 | 5.20       | ug/L  |
| 91-20-3        | Naphthalene                | 1.10  | U         | 1.10 | 5.20       | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 1.30  | U         | 1.30 | 5.20       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol      | 0.93  | U         | 0.93 | 5.20       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol      | 1.10  | U         | 1.10 | 5.20       | ug/L  |
| 208-96-8       | Acenaphthylene             | 1.10  | U         | 1.10 | 5.20       | ug/L  |
| 83-32-9        | Acenaphthene               | 0.84  | U         | 0.84 | 5.20       | ug/L  |
| 132-64-9       | Dibenzofuran               | 0.97  | U         | 0.97 | 5.20       | ug/L  |
| 86-73-7        | Fluorene                   | 1.00  | U         | 1.00 | 5.20       | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 87-86-5        | Pentachlorophenol          | 1.90  | U         | 1.90 | 10.4       | ug/L  |
| 85-01-8        | Phenanthrene               | 0.93  | U         | 0.93 | 5.20       | ug/L  |
| 86-74-8        | Carbazole                  | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 84-74-2        | Di-n-butylphthalate        | 1.50  | U         | 1.50 | 5.20       | ug/L  |
| 206-44-0       | Fluoranthene               | 1.30  | U         | 1.30 | 5.20       | ug/L  |
| 129-00-0       | Pyrene                     | 1.10  | U         | 1.10 | 5.20       | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.98  | U         | 0.98 | 5.20       | ug/L  |
| 218-01-9       | Chrysene                   | 0.90  | U         | 0.90 | 5.20       | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 2.00  | U         | 2.00 | 5.20       | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 1.70  | U         | 1.70 | 5.20       | ug/L  |

## Report of Analysis

|                    |                                       |                 |               |
|--------------------|---------------------------------------|-----------------|---------------|
| Client:            | JACOBS Engineering Group, Inc.        | Date Collected: | 08/14/24      |
| Project:           | Former Schlumberger Site Princeton NJ | Date Received:  | 08/14/24      |
| Client Sample ID:  | 915-J-WS-081424                       | SDG No.:        | P3609         |
| Lab Sample ID:     | P3609-01                              | Matrix:         | Water         |
| Analytical Method: | SW8270                                | % Solid:        | 0             |
| Sample Wt/Vol:     | 960 Units: mL                         | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOCMS Group6 |
| Extraction Type :  | Decanted : N                          | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0                      | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C                               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM047256.D        | 1         | 08/15/24 08:23 | 08/19/24 17:28 | PB162757      |

| CAS Number                | Parameter              | Conc.   | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|------------------------|---------|-----------|---------------------|------------|----------|
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 1.10    | U         | 1.10                | 5.20       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 1.20    | U         | 1.20                | 5.20       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 1.20    | U         | 1.20                | 5.20       | ug/L     |
| 123-91-1                  | 1,4-Dioxane            | 1.30    | U         | 1.30                | 5.20       | ug/L     |
| 90-12-0                   | 1-Methylnaphthalene    | 0.90    | U         | 0.90                | 5.20       | ug/L     |
| <b>SURROGATES</b>         |                        |         |           |                     |            |          |
| 367-12-4                  | 2-Fluorophenol         | 55.5    |           | 15 (10) - 110 (139) | 37%        | SPK: 150 |
| 13127-88-3                | Phenol-d6              | 34.7    |           | 15 (10) - 110 (134) | 23%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5        | 68.0    |           | 30 (49) - 130 (133) | 68%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 70.3    |           | 30 (52) - 130 (132) | 70%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol   | 155     |           | 15 (44) - 110 (137) | 103%       | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14          | 86.4    |           | 30 (48) - 130 (125) | 86%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |         |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 197000  | 7.363     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8         | 740000  | 10.122    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10       | 509000  | 14.027    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 1170000 | 16.786    |                     |            |          |
| 1719-03-5                 | Chrysene-d12           | 1270000 | 21.027    |                     |            |          |
| 1520-96-3                 | Perylene-d12           | 1250000 | 23.733    |                     |            |          |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                       |                 |               |
|--------------------|---------------------------------------|-----------------|---------------|
| Client:            | JACOBS Engineering Group, Inc.        | Date Collected: | 08/14/24      |
| Project:           | Former Schlumberger Site Princeton NJ | Date Received:  | 08/14/24      |
| Client Sample ID:  | 920-J-WS-081424                       | SDG No.:        | P3609         |
| Lab Sample ID:     | P3609-02                              | Matrix:         | Water         |
| Analytical Method: | SW8270                                | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 Units: mL                        | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOCMS Group6 |
| Extraction Type :  | Decanted : N                          | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0                      | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C                               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM047257.D        | 1         | 08/15/24 08:23 | 08/19/24 18:08 | PB162757      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |            |       |
| 110-86-1       | Pyridine                   | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 100-52-7       | Benzaldehyde               | 4.00  | U         | 4.00 | 10.0       | ug/L  |
| 95-48-7        | 2-Methylphenol             | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone               | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols          | 1.20  | U         | 1.20 | 10.0       | ug/L  |
| 98-95-3        | Nitrobenzene               | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol         | 0.88  | U         | 0.88 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol      | 0.89  | U         | 0.89 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol      | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 208-96-8       | Acenaphthylene             | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 83-32-9        | Acenaphthene               | 0.81  | U         | 0.81 | 5.00       | ug/L  |
| 132-64-9       | Dibenzofuran               | 0.93  | U         | 0.93 | 5.00       | ug/L  |
| 86-73-7        | Fluorene                   | 0.96  | U         | 0.96 | 5.00       | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 87-86-5        | Pentachlorophenol          | 1.90  | U         | 1.90 | 10.0       | ug/L  |
| 85-01-8        | Phenanthrene               | 0.89  | U         | 0.89 | 5.00       | ug/L  |
| 86-74-8        | Carbazole                  | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 84-74-2        | Di-n-butylphthalate        | 1.50  | U         | 1.50 | 5.00       | ug/L  |
| 206-44-0       | Fluoranthene               | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 129-00-0       | Pyrene                     | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.94  | U         | 0.94 | 5.00       | ug/L  |
| 218-01-9       | Chrysene                   | 0.86  | U         | 0.86 | 5.00       | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 1.90  | U         | 1.90 | 5.00       | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 1.70  | U         | 1.70 | 5.00       | ug/L  |

## Report of Analysis

|                    |                                       |                 |               |
|--------------------|---------------------------------------|-----------------|---------------|
| Client:            | JACOBS Engineering Group, Inc.        | Date Collected: | 08/14/24      |
| Project:           | Former Schlumberger Site Princeton NJ | Date Received:  | 08/14/24      |
| Client Sample ID:  | 920-J-WS-081424                       | SDG No.:        | P3609         |
| Lab Sample ID:     | P3609-02                              | Matrix:         | Water         |
| Analytical Method: | SW8270                                | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 Units: mL                        | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOCMS Group6 |
| Extraction Type :  | Decanted : N                          | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0                      | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C                               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM047257.D        | 1         | 08/15/24 08:23 | 08/19/24 18:08 | PB162757      |

| CAS Number                | Parameter              | Conc.   | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|------------------------|---------|-----------|---------------------|------------|----------|
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 1.00    | U         | 1.00                | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 1.20    | U         | 1.20                | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 1.20    | U         | 1.20                | 5.00       | ug/L     |
| 123-91-1                  | 1,4-Dioxane            | 1.30    | U         | 1.30                | 5.00       | ug/L     |
| 90-12-0                   | 1-Methylnaphthalene    | 0.86    | U         | 0.86                | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                        |         |           |                     |            |          |
| 367-12-4                  | 2-Fluorophenol         | 57.3    |           | 15 (10) - 110 (139) | 38%        | SPK: 150 |
| 13127-88-3                | Phenol-d6              | 34.2    |           | 15 (10) - 110 (134) | 23%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5        | 77.0    |           | 30 (49) - 130 (133) | 77%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 80.0    |           | 30 (52) - 130 (132) | 80%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol   | 175     | *         | 15 (44) - 110 (137) | 117%       | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14          | 92.1    |           | 30 (48) - 130 (125) | 92%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |         |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 161000  | 7.363     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8         | 602000  | 10.116    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10       | 400000  | 14.021    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 912000  | 16.786    |                     |            |          |
| 1719-03-5                 | Chrysene-d12           | 1070000 | 21.027    |                     |            |          |
| 1520-96-3                 | Perylene-d12           | 1180000 | 23.732    |                     |            |          |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

LAB CHRONICLE

|          |                                |            |                                       |
|----------|--------------------------------|------------|---------------------------------------|
| OrderID: | P3609                          | OrderDate: | 8/14/2024 12:48:00 PM                 |
| Client:  | JACOBS Engineering Group, Inc. | Project:   | Former Schlumberger Site Princeton NJ |
| Contact: | Mary I. Murphy                 | Location:  | D21,VOA Ref. #3 Water                 |

| LabID    | ClientID        | Matrix | Test          | Method        | Sample Date | Prep Date | Anal Date | Received |
|----------|-----------------|--------|---------------|---------------|-------------|-----------|-----------|----------|
| P3609-01 | 915-J-WS-081424 | Water  | SVOCMS Group3 | 8270-Modified | 08/14/24    | 08/15/24  | 08/17/24  | 08/14/24 |
|          |                 |        | SVOCMS Group6 | 8270E         |             | 08/15/24  | 08/19/24  |          |
|          |                 |        |               |               |             |           |           |          |
| P3609-02 | 920-J-WS-081424 | Water  | SVOCMS Group3 | 8270-Modified | 08/14/24    | 08/15/24  | 08/17/24  | 08/14/24 |
|          |                 |        | SVOCMS Group6 | 8270E         |             | 08/15/24  | 08/19/24  |          |
|          |                 |        |               |               |             |           |           |          |