

## **APPENDIX A**

### **Groundwater Sampling Documentation**

|  |                 |            |                                                  | Matrix Environmental Services<br>283 Rucker Street<br>Anniston, Alabama 36205<br>(256) 847-0780<br>(256) 847-0905 |                   | Project Name<br>McClellan |          |
|-----------------------------------------------------------------------------------|-----------------|------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------|----------|
|                                                                                   |                 |            |                                                  | Project Number<br>23.094.24-22.1                                                                                  |                   |                           |          |
| <b>GROUNDWATER LEVELS</b>                                                         |                 |            |                                                  |                                                                                                                   |                   |                           |          |
| Field Personnel<br>Abernathy                                                      |                 |            | Measuring Equipment<br>Solinst Water Level Meter |                                                                                                                   |                   | Date<br>10/23/2023        |          |
| Conditions                                                                        |                 |            |                                                  |                                                                                                                   |                   |                           |          |
|                                                                                   |                 |            |                                                  |                                                                                                                   |                   |                           |          |
| Well ID                                                                           | Casing Diameter | Date       | Time                                             | Depth to Water (feet)                                                                                             | Well Depth (feet) | Water Column (feet)       | Initials |
| PPMP-66-MW01                                                                      | 2               | 10/23/2023 | 9:07                                             | 6.59                                                                                                              | 26.03             | 19.44                     | DA       |
| PPMP-66-MW02RR                                                                    | 2               | 10/23/2023 | 8:57                                             | 4.90                                                                                                              | 23.50             | 18.60                     | DA       |
| PPMP-66-MW03                                                                      | 2               | 10/23/2023 | 8:51                                             | 6.31                                                                                                              | 28.00             | 21.69                     | DA       |
| PPMP-66-MW04                                                                      | 2               | 10/23/2023 | 9:11                                             | 7.29                                                                                                              | 26.50             | 19.21                     | DA       |
| PPMP-66-MW06R                                                                     | 2               | 10/23/2023 | 8:45                                             | 5.63                                                                                                              | 27.80             | 22.17                     | DA       |
| PPMP-66-MW07                                                                      | 2               | 10/23/2023 | 8:39                                             | 7.05                                                                                                              | 28.65             | 21.60                     | DA       |
| PPMP-66-MW08                                                                      | 4               | 10/23/2023 | 8:59                                             | 5.85                                                                                                              | 73.90             | 68.05                     | DA       |
| PPMP-66-MW09                                                                      | 4               | 10/23/2023 | 8:53                                             | 6.06                                                                                                              | 74.75             | 68.69                     | DA       |
| PPMP-66-MW10                                                                      | 4               | 10/23/2023 | 9:09                                             | 8.66                                                                                                              | 77.41             | 68.75                     | DA       |
| PPMP-66-MW11                                                                      | 4               | 10/23/2023 | 8:35                                             | 5.94                                                                                                              | 84.35             | 78.41                     | DA       |
| PPMP-66-MW13                                                                      | 4               | 10/23/2023 | 8:37                                             | 6.46                                                                                                              | 74.03             | 67.57                     | DA       |
| PPMP-66-MW14                                                                      | 2               | 10/23/2023 | 8:49                                             | 6.88                                                                                                              | 20.71             | 13.83                     | DA       |
| PPMP-66-MW16                                                                      | 2               | 10/23/2023 | 9:03                                             | 5.92                                                                                                              | 12.75             | 6.83                      | DA       |
| PPMP-66-MW17                                                                      | 2               | 10/23/2023 | 8:47                                             | 6.21                                                                                                              | 17.71             | 11.50                     | DA       |
| PPMP-66-MW18R                                                                     | 2               | 10/23/2023 | 8:41                                             | 5.92                                                                                                              | 15.00             | 9.08                      | DA       |
| PPMP-66-MW21                                                                      | 2               | 10/23/2023 | 9:01                                             | 4.78                                                                                                              | 14.40             | 9.62                      | DA       |
| PPMP-66-MW22                                                                      | 2               | 10/23/2023 | 9:05                                             | 5.62                                                                                                              | 24.65             | 19.03                     | DA       |
| PPMP-66-MW23R                                                                     | 2               | 10/23/2023 | 8:55                                             | 5.95                                                                                                              | 29.25             | 23.30                     | DA       |
| PPMP-66-MW24R                                                                     | 2               | 10/23/2023 | 8:43                                             | 5.97                                                                                                              | 34.15             | 28.18                     | DA       |
|                                                                                   |                 |            |                                                  |                                                                                                                   |                   |                           |          |
|                                                                                   |                 |            |                                                  |                                                                                                                   |                   |                           |          |
|                                                                                   |                 |            |                                                  |                                                                                                                   |                   |                           |          |
|                                                                                   |                 |            |                                                  |                                                                                                                   |                   |                           |          |
|                                                                                   |                 |            |                                                  |                                                                                                                   |                   |                           |          |



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW01

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                                                  |                                                                                                                 |                                    |                                      |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------|
| Groundwater Depth (TOC)<br>6.59<br>feet                                          | Sample Method<br><br>Low Flow                                                                                   | Sampler<br>D. Abernathy            | Date<br>10/24/2023                   |
| Well Depth (TOC)<br>24<br>feet                                                   |                                                                                                                 | Location (Site)<br>SWR             | Begin Time<br>8:15                   |
| Water Column Thickness<br>17.41<br>feet                                          | Equipment<br>Geotech Bladder Pump<br>Geotech Geocontrol PRO                                                     | Laboratory<br>Eurofins             | Sample Depth<br>16.5                 |
|                                                                                  |                                                                                                                 | Sample Suite<br>See COCs           |                                      |
| Casing Diameter<br>2<br>inches                                                   | Temperature (°F)<br>58°                                                                                         | Meters<br>YSI Pro Plus             | Serial numbers                       |
| Casing Volume<br>2.79<br>gallons<br>1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4 | Weather Conditions<br><br>Sunny                                                                                 | Solinst Water Level Meter          |                                      |
| Well Elevation (TOC)<br>782.12<br>feet                                           |                                                                                                                 | Calibration<br>Field<br>10/24/2023 | Ferrous Iron (Fe II) (mg/L)<br>N/A   |
| Groundwater Elevation<br>775.53<br>feet                                          | Parameter Stabilization<br>temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit | Persulfate<br>N/A                  | H <sub>2</sub> O <sub>2</sub><br>N/A |
|                                                                                  |                                                                                                                 | Product Observed (yes/no)<br>N/A   |                                      |
|                                                                                  |                                                                                                                 | Depth to product<br>N/A            |                                      |

| Time                    | Volume removed (mL)          | Temp (°C)                      | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |      |
|-------------------------|------------------------------|--------------------------------|--------------|-----------|----------|-----------|-----------------|-----|-------------|-------|------|
|                         |                              |                                |              |           |          |           |                 |     | clarity     | color | odor |
| 0820                    | 0                            | 19.6                           | 3164         | 1.1       | -33      | 2.06      | 8               | 6.8 | Clear       | Clear | None |
| 0825                    | 250                          | 19.2                           | 3181         | 0.5       | -39      | 2.07      | 6               | 6.8 | Clear       | Clear | None |
| 0830                    | 250                          | 19.0                           | 3167         | 0.5       | -40      | 2.06      | 5               | 6.9 | Clear       | Clear | None |
| 0835                    | 250                          | 19.2                           | 3162         | 0.5       | -39      | 2.05      | 4               | 6.9 | Clear       | Clear | None |
| 0840                    | 250                          | 19.4                           | 3151         | 0.6       | -39      | 2.05      | 4               | 6.9 | Clear       | Clear | None |
| 0845                    | 250                          | 19.9                           | 3137         | 0.6       | -38      | 2.03      | 4               | 6.9 | Clear       | Clear | None |
| 0850                    | 250                          | 20.3                           | 3135         | 0.7       | -37      | 2.03      | 4               | 6.9 | Clear       | Clear | None |
| 0855                    | 250                          | 19.9                           | 3134         | 0.8       | -34      | 2.03      | 4               | 6.9 | Clear       | Clear | None |
| 0900                    | Collect Sample               |                                |              |           |          |           |                 |     |             |       |      |
|                         |                              |                                |              |           |          |           |                 |     |             |       |      |
|                         |                              |                                |              |           |          |           |                 |     |             |       |      |
|                         |                              |                                |              |           |          |           |                 |     |             |       |      |
| Total Time (min.)<br>40 | Total Volume Removed<br>1750 | Well pumped dry (yes/no)<br>No |              | Notes     |          |           |                 |     |             |       |      |

QA/QC Samples

N/A

Signature



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW02RR

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                                                  |                                                                                                                 |                                    |                                    |                                      |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|--------------------------------------|
| Groundwater Depth (TOC)<br>4.9<br>feet                                           | Sample Method<br><br>Low Flow                                                                                   | Sampler<br>David Abernathy         | Date<br>10/25/2023                 |                                      |
| Well Depth (TOC)<br>23.55<br>feet                                                |                                                                                                                 | Location (Site)<br>SWR             | Begin Time<br>8:45                 |                                      |
| Water Column Thickness<br>18.65<br>feet                                          | Equipment<br>Geotech Bladder Pump<br>Geotech Geocontrol PRO                                                     | Laboratory<br>Eurofins             | Sample Depth<br>20.0               |                                      |
|                                                                                  |                                                                                                                 | Sample Suite<br>See COCs           |                                    |                                      |
| Casing Diameter<br>2<br>inches                                                   | Temperature (°F)<br>58°                                                                                         | Meters<br>YSI Pro Plus             | Serial numbers                     |                                      |
| Casing Volume<br>2.98<br>gallons<br>1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4 | Weather Conditions<br><br>Sunny                                                                                 | Solinst Water Level Meter          |                                    |                                      |
|                                                                                  |                                                                                                                 | Micro TPW Turbidimeter             |                                    |                                      |
| Well Elevation (TOC)<br>780.37<br>feet                                           | Parameter Stabilization<br>temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit | Calibration<br>Field<br>10/25/2023 | Ferrous Iron (Fe II) (mg/L)<br>N/A |                                      |
| Groundwater Elevation<br>775.47<br>feet                                          |                                                                                                                 | Product Observed (yes/no)<br>N/A   | Persulfate<br>N/A                  | H <sub>2</sub> O <sub>2</sub><br>N/A |
|                                                                                  | Depth to product<br>N/A                                                                                         |                                    |                                    |                                      |

| Time                    | Volume removed (mL)          | Temp (°C)                      | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |      |
|-------------------------|------------------------------|--------------------------------|--------------|-----------|----------|-----------|-----------------|-----|-------------|-------|------|
|                         |                              |                                |              |           |          |           |                 |     | clarity     | color | odor |
| 0850                    | 0                            | 21.7                           | 2779         | 3.5       | -39      | 1.81      | 62              | 6.9 | Cloudy      | White | None |
| 0855                    | 250                          | 21.9                           | 2779         | 1.9       | -53      | 1.81      | 62              | 6.9 | Cloudy      | White | None |
| 0900                    | 250                          | 22.1                           | 2781         | 0.7       | -57      | 1.81      | 58              | 6.9 | Cloudy      | White | None |
| 0905                    | 250                          | 22.0                           | 2773         | 0.4       | -60      | 1.80      | 54              | 6.9 | Cloudy      | White | None |
| 0910                    | 250                          | 22.0                           | 2767         | 0.3       | -61      | 1.79      | 37              | 6.9 | Cloudy      | White | None |
| 0915                    | 250                          | 22.3                           | 2759         | 0.3       | -59      | 1.79      | 27              | 6.9 | Clear       | Clear | None |
| 0920                    | 250                          | 22.1                           | 2739         | 0.3       | -52      | 1.78      | 27              | 6.8 | Clear       | Clear | None |
| 0925                    | 250                          | 22.3                           | 2734         | 0.3       | -49      | 1.77      | 25              | 6.8 | Clear       | Clear | None |
| 0930                    | 250                          | 22.4                           | 2728         | 0.3       | -46      | 1.77      | 26              | 6.8 | Clear       | Clear | None |
| 0935                    | Collect Sample               |                                |              |           |          |           |                 |     |             |       |      |
|                         |                              |                                |              |           |          |           |                 |     |             |       |      |
|                         |                              |                                |              |           |          |           |                 |     |             |       |      |
| Total Time (min.)<br>45 | Total Volume Removed<br>2000 | Well pumped dry (yes/no)<br>No |              |           | Notes    |           |                 |     |             |       |      |

QA/QC Samples

N/A

Signature



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW04

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                                                  |                                                                                                                 |                                    |                                    |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|
| Groundwater Depth (TOC)<br>7.29<br>feet                                          | Sample Method<br><br>Low Flow                                                                                   | Sampler<br>David Abernathy         | Date<br>10/23/2023                 |
| Well Depth (TOC)<br>24<br>feet                                                   |                                                                                                                 | Location (Site)<br>SWR             | Begin Time<br>9:30                 |
| Water Column Thickness<br>16.71<br>feet                                          | Equipment<br>Geotech Bladder Pump<br>Geotech Geocontrol Pro                                                     | Laboratory<br>Eurofins             | Sample Depth<br>15.0               |
|                                                                                  |                                                                                                                 | Sample Suite<br>See COCs           |                                    |
| Casing Diameter<br>2<br>inches                                                   | Temperature (°F)<br>60°                                                                                         | Meters<br>YSI Pro Plus             | Serial numbers                     |
| Casing Volume<br>2.67<br>gallons<br>1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4 | Weather Conditions<br><br>Sunny                                                                                 | Solinst Water Level Meter          |                                    |
|                                                                                  |                                                                                                                 | Micro TPW Turbidimeter             |                                    |
| Well Elevation (TOC)<br>781.9<br>feet                                            | Parameter Stabilization<br>temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit | Calibration<br>Field<br>10/23/2023 | Ferrous Iron (Fe II) (mg/L)<br>N/A |
| Groundwater Elevation<br>774.61<br>feet                                          |                                                                                                                 | Product Observed (yes/no)<br>N/A   | Persulfate<br>N/A                  |

| Time | Volume removed (mL) | Temp (°C) | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |      |
|------|---------------------|-----------|--------------|-----------|----------|-----------|-----------------|-----|-------------|-------|------|
|      |                     |           |              |           |          |           |                 |     | clarity     | color | odor |
| 0940 | 0                   | 21.2      | 2299         | 0.6       | -42      | 1.49      | 4               | 6.9 | Clear       | Clear | None |
| 0945 | 500                 | 21.2      | 2302         | 0.5       | -45      | 1.49      | 4               | 6.9 | Clear       | Clear | None |
| 0950 | 500                 | 21.2      | 2305         | 0.3       | -50      | 1.50      | 4               | 6.9 | Clear       | Clear | None |
| 0955 | 500                 | 21.4      | 2294         | 0.3       | -51      | 1.50      | 4               | 6.9 | Clear       | Clear | None |
| 1000 | 500                 | 21.5      | 2301         | 0.2       | -53      | 1.50      | 4               | 6.9 | Clear       | Clear | None |
| 1005 | 500                 | 21.7      | 2305         | 0.2       | -54      | 1.50      | 3               | 6.9 | Clear       | Clear | None |
| 1010 | 500                 | 21.4      | 2297         | 0.2       | -55      | 1.49      | 3               | 6.9 | Clear       | Clear | None |
| 1015 | Collect Sample      |           |              |           |          |           |                 |     |             |       |      |
|      |                     |           |              |           |          |           |                 |     |             |       |      |
|      |                     |           |              |           |          |           |                 |     |             |       |      |
|      |                     |           |              |           |          |           |                 |     |             |       |      |
|      |                     |           |              |           |          |           |                 |     |             |       |      |

|                         |                              |                                |       |
|-------------------------|------------------------------|--------------------------------|-------|
| Total Time (min.)<br>35 | Total Volume Removed<br>3000 | Well pumped dry (yes/no)<br>No | Notes |
|-------------------------|------------------------------|--------------------------------|-------|

QA/QC Samples

N/A

Signature



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW06R

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                                                  |                                                                                                                 |                                        |                                    |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
| Groundwater Depth (TOC)<br>5.92<br>feet                                          | Sample Method<br><br>Low Flow                                                                                   | Sampler<br>David Abernathy             | Date<br>10/25/2023                 |
| Well Depth (TOC)<br>29<br>feet                                                   |                                                                                                                 | Location (Site)<br>SWR                 | Begin Time<br>15:00                |
| Water Column Thickness<br>23.08<br>feet                                          | Equipment<br>Geotech Bladder Pump<br>Geotech Geocontrol PRO                                                     | Laboratory<br>Eurofins                 | Sample Depth<br>19.0               |
| Casing Diameter<br>2<br>inches                                                   |                                                                                                                 | Sample Suite<br>See COCs               |                                    |
| Casing Volume<br>3.69<br>gallons<br>1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4 | Temperature (°F)<br><br>77°                                                                                     | Meters<br>YSI Pro Plus                 | Serial numbers                     |
| Well Elevation (TOC)<br>781.41<br>feet                                           |                                                                                                                 | Weather Conditions<br><br>Sunny        | Solinst Water Level Meter          |
| Groundwater Elevation<br>775.49<br>feet                                          | Parameter Stabilization<br>temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit | Calibration<br>Field<br><br>10/25/2023 | Ferrous Iron (Fe II) (mg/L)<br>N/A |
|                                                                                  |                                                                                                                 | Product Observed (yes/no)<br>N/A       | Depth to product<br>N/A            |

| Time | Volume removed (mL) | Temp (°C) | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH   | Description |       |      |
|------|---------------------|-----------|--------------|-----------|----------|-----------|-----------------|------|-------------|-------|------|
|      |                     |           |              |           |          |           |                 |      | clarity     | color | odor |
| 1505 | 0                   | 22.1      | 1084         | 3.7       | -26      | 0.71      | 12              | 11.3 | Clear       | Clear | None |
| 1510 | 375                 | 22.8      | 1081         | 0.9       | -26      | 0.70      | 11              | 11.3 | Clear       | Clear | None |
| 1515 | 375                 | 22.7      | 1083         | 0.9       | -28      | 0.71      | 12              | 11.4 | Clear       | Clear | None |
| 1520 | 375                 | 22.7      | 1085         | 0.9       | -27      | 0.71      | 13              | 11.5 | Clear       | Clear | None |
| 1525 | 375                 | 22.5      | 1082         | 1.0       | -21      | 0.70      | 13              | 11.4 | Clear       | Clear | None |
| 1530 | 375                 | 22.5      | 1079         | 1.1       | -19      | 0.70      | 13              | 11.4 | Clear       | Clear | None |
| 1535 | 375                 | 22.5      | 1077         | 1.1       | -19      | 0.70      | 13              | 11.4 | Clear       | Clear | None |
| 1540 | 375                 | 22.4      | 1078         | 1.1       | -19      | 0.70      | 13              | 11.4 | Clear       | Clear | None |
| 1545 | Collect Sample      |           |              |           |          |           |                 |      |             |       |      |
|      |                     |           |              |           |          |           |                 |      |             |       |      |
|      |                     |           |              |           |          |           |                 |      |             |       |      |
|      |                     |           |              |           |          |           |                 |      |             |       |      |

|                         |                              |                                |       |
|-------------------------|------------------------------|--------------------------------|-------|
| Total Time (min.)<br>40 | Total Volume Removed<br>2625 | Well pumped dry (yes/no)<br>No | Notes |
|-------------------------|------------------------------|--------------------------------|-------|

|                      |               |
|----------------------|---------------|
| QA/QC Samples<br>N/A | Signature<br> |
|----------------------|---------------|



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW07

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                                                  |                                                             |                                                                                                                 |                                    |
|----------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------|
| Groundwater Depth (TOC)<br>7.05<br>feet                                          | Sample Method<br><br>Low Flow                               | Sampler<br>David Abernathy                                                                                      | Date<br>10/23/2023                 |
| Well Depth (TOC)<br>29.5<br>feet                                                 |                                                             | Location (Site)<br>SWR                                                                                          | Begin Time<br>11:45                |
| Water Column Thickness<br>22.45<br>feet                                          | Equipment<br>Geotech Bladder Pump<br>Geotech Geocontrol Pro | Laboratory<br>Eurofins                                                                                          | Sample Depth<br>20.0               |
|                                                                                  |                                                             | Sample Suite<br>See COCs                                                                                        |                                    |
| Casing Diameter<br>2<br>inches                                                   | Temperature (°F)<br>70°                                     | Meters<br>YSI Pro Plus                                                                                          | Serial numbers                     |
| Casing Volume<br>3.59<br>gallons<br>1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4 | Weather Conditions<br><br>Sunny                             | Solinst Water Level Meter                                                                                       |                                    |
| Well Elevation (TOC)<br>782.17<br>feet                                           |                                                             | Calibration<br>Field<br>10/23/2023                                                                              | Ferrous Iron (Fe II) (mg/L)<br>N/A |
| Groundwater Elevation<br>775.12<br>feet                                          |                                                             | Parameter Stabilization<br>temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit | Persulfate<br>N/A                  |
|                                                                                  | Product Observed (yes/no)<br>N/A                            |                                                                                                                 | Depth to product<br>N/A            |

| Time                    | Volume removed (mL)          | Temp (°C)                      | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |      |
|-------------------------|------------------------------|--------------------------------|--------------|-----------|----------|-----------|-----------------|-----|-------------|-------|------|
|                         |                              |                                |              |           |          |           |                 |     | clarity     | color | odor |
| 1150                    | 0                            | 22.6                           | 2865         | 2.6       | 7        | 1.87      | 8               | 6.7 | Clear       | Clear | None |
| 1155                    | 500                          | 22.7                           | 2870         | 0.3       | 4        | 1.87      | 8               | 6.7 | Clear       | Clear | None |
| 1200                    | 500                          | 22.5                           | 2886         | 0.2       | 1        | 1.88      | 6               | 6.7 | Clear       | Clear | None |
| 1205                    | 500                          | 22.5                           | 2888         | 0.2       | 1        | 1.88      | 6               | 6.7 | Clear       | Clear | None |
| 1210                    | 500                          | 22.7                           | 2893         | 0.2       | -1       | 1.89      | 4               | 6.7 | Clear       | Clear | None |
| 1215                    | 500                          | 22.8                           | 2910         | 0.2       | -4       | 1.89      | 4               | 6.7 | Clear       | Clear | None |
| 1220                    | 500                          | 22.8                           | 2939         | 0.1       | -6       | 1.91      | 4               | 6.7 | Clear       | Clear | None |
| 1225                    | 500                          | 22.9                           | 2942         | 0.1       | -7       | 1.91      | 4               | 6.7 | Clear       | Clear | None |
| 1230                    | 500                          | 22.9                           | 2951         | 0.2       | -7       | 1.92      | 4               | 6.7 | Clear       | Clear | None |
| 1235                    | Collect Sample               |                                |              |           |          |           |                 |     |             |       |      |
|                         |                              |                                |              |           |          |           |                 |     |             |       |      |
|                         |                              |                                |              |           |          |           |                 |     |             |       |      |
| Total Time (min.)<br>45 | Total Volume Removed<br>4000 | Well pumped dry (yes/no)<br>No |              | Notes     |          |           |                 |     |             |       |      |

QA/QC Samples

N/A

Signature



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW08

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                                  |                                                                                      |                           |                             |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------|-----------------------------|
| Groundwater Depth (TOC)                                          | Sample Method                                                                        | Sampler                   | Date                        |
| 5.85<br>feet                                                     | Low Flow                                                                             | David Abernathy           | 10/25/2023                  |
| Well Depth (TOC)                                                 | Equipment                                                                            | Location (Site)           | Begin Time                  |
| 74.5<br>feet                                                     | Geotech Bladder Pump<br>Geotech Geocontrol Pro                                       | SWR                       | 7:25                        |
| Water Column Thickness                                           |                                                                                      | Laboratory                | Sample Depth                |
| 68.65<br>feet                                                    |                                                                                      | Eurofins                  | 66.0                        |
|                                                                  |                                                                                      | Sample Suite              |                             |
|                                                                  |                                                                                      | See COCs                  |                             |
| Casing Diameter                                                  | Temperature (°F)                                                                     | Meters                    | Serial numbers              |
| 4<br>inches                                                      | 53°                                                                                  | YSI Pro Plus              |                             |
| Casing Volume                                                    | Weather Conditions                                                                   | Solinst Water Level Meter |                             |
| 44.62<br>gallons<br>1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4 | Sunny                                                                                | Micro TPW Turbidimeter    |                             |
| Well Elevation (TOC)                                             |                                                                                      | Calibration               | Ferrous Iron (Fe II) (mg/L) |
| 780.66<br>feet                                                   |                                                                                      | 10/26/2022                | N/A                         |
|                                                                  |                                                                                      |                           | Persulfate                  |
|                                                                  |                                                                                      |                           | N/A                         |
| Groundwater Elevation                                            | Parameter Stabilization                                                              | Product Observed (yes/no) | Depth to product            |
| 774.81<br>feet                                                   | temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit | N/A                       | N/A                         |

| Time | Volume removed (mL) | Temp (°C) | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |      |
|------|---------------------|-----------|--------------|-----------|----------|-----------|-----------------|-----|-------------|-------|------|
|      |                     |           |              |           |          |           |                 |     | clarity     | color | odor |
| 0730 | 0                   | 19.6      | 2064         | 1.5       | 6        | 1.35      | 15              | 6.7 | Clear       | Clear | None |
| 0735 | 625                 | 19.4      | 2153         | 0.8       | -10      | 1.40      | 9               | 6.8 | Clear       | Clear | None |
| 0740 | 625                 | 19.2      | 2156         | 0.6       | -14      | 1.40      | 7               | 6.8 | Clear       | Clear | None |
| 0745 | 625                 | 19.3      | 2154         | 0.5       | -17      | 1.40      | 6               | 6.8 | Clear       | Clear | None |
| 0750 | 625                 | 19.5      | 2148         | 0.4       | -19      | 1.40      | 6               | 6.8 | Clear       | Clear | None |
| 0755 | 625                 | 19.5      | 2138         | 0.3       | -21      | 1.38      | 6               | 6.9 | Clear       | Clear | None |
| 0800 | 625                 | 19.6      | 2014         | 0.4       | -19      | 1.30      | 6               | 6.9 | Clear       | Clear | None |
| 0805 | 625                 | 19.5      | 1850         | 0.4       | -16      | 1.20      | 3               | 6.9 | Clear       | Clear | None |
| 0810 | 625                 | 19.6      | 1740         | 0.4       | -14      | 1.11      | 2               | 6.9 | Clear       | Clear | None |
| 0815 | 625                 | 19.2      | 1574         | 0.5       | -8       | 1.01      | 2               | 6.9 | Clear       | Clear | None |
| 0820 | 625                 | 19.4      | 1523         | 0.7       | -5       | 0.99      | 1               | 6.9 | Clear       | Clear | None |
| 0825 | 625                 | 19.6      | 1531         | 0.7       | -6       | 1.00      | 1               | 6.9 | Clear       | Clear | None |

|                   |                      |                          |                          |
|-------------------|----------------------|--------------------------|--------------------------|
| Total Time (min.) | Total Volume Removed | Well pumped dry (yes/no) | Notes                    |
| 660               | 6875                 | No                       | Collected Sample at 0830 |

|               |           |
|---------------|-----------|
| QA/QC Samples | Signature |
| N/A           |           |



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW11

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                                                   |                                                             |                                                                                                                 |                                    |                               |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------|
| Groundwater Depth (TOC)<br>5.94<br>feet                                           | Sample Method<br><br>Low Flow                               | Sampler<br>David Abernathy                                                                                      | Date<br>10/23/2023                 |                               |
| Well Depth (TOC)<br><br>feet                                                      |                                                             | Location (Site)<br>SWR                                                                                          | Begin Time<br>10:45                |                               |
| Water Column Thickness<br>-5.94<br>feet                                           | Equipment<br>Geotech Bladder Pump<br>Geotech Geocontrol Pro | Laboratory<br>Eurofins                                                                                          | Sample Depth<br>73.0               |                               |
|                                                                                   |                                                             | Sample Suite<br>See COCs                                                                                        |                                    |                               |
| Casing Diameter<br>2<br>inches                                                    | Temperature<br>68°                                          | Meters<br>YSI Pro Plus                                                                                          | Serial numbers                     |                               |
| Casing Volume<br>-0.95<br>gallons<br>1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4 | Weather Conditions<br><br>Sunny                             | Solinst Water Level Meter                                                                                       |                                    |                               |
| Well Elevation (TOC)<br>780.89<br>feet                                            |                                                             | Calibration<br>Field<br>10/23/2023                                                                              | Ferrous Iron (Fe II) (mg/L)<br>N/A |                               |
| Groundwater Elevation<br>774.95<br>feet                                           |                                                             | Parameter Stabilization<br>temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit | Persulfate                         | H <sub>2</sub> O <sub>2</sub> |
|                                                                                   | N/A                                                         |                                                                                                                 | N/A                                |                               |
|                                                                                   |                                                             | Product Observed (yes/no)<br>N/A                                                                                | Depth to product<br>N/A            |                               |

| Time                    | Volume removed (mL)          | Temp (°C)                      | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |      |
|-------------------------|------------------------------|--------------------------------|--------------|-----------|----------|-----------|-----------------|-----|-------------|-------|------|
|                         |                              |                                |              |           |          |           |                 |     | clarity     | color | odor |
| 1045                    | 0                            | 20.9                           | 249          | 4.0       | -41      | 0.17      | 3               | 7.1 | Clear       | Clear | None |
| 1050                    | 550                          | 21.2                           | 257          | 0.3       | -64      | 0.17      | 3               | 7.3 | Clear       | Clear | None |
| 1055                    | 550                          | 21.2                           | 259          | 0.2       | -83      | 0.17      | 3               | 7.3 | Clear       | Clear | None |
| 1100                    | 550                          | 21.2                           | 259          | 0.2       | -85      | 0.17      | 3               | 7.4 | Clear       | Clear | None |
| 1105                    | 550                          | 21.2                           | 259          | 0.1       | -90      | 0.17      | 3               | 7.4 | Clear       | Clear | None |
| 1110                    | 550                          | 21.2                           | 258          | 0.1       | -89      | 0.17      | 3               | 7.3 | Clear       | Clear | None |
| 1115                    | 550                          | 21.1                           | 257          | 0.1       | -88      | 0.17      | 3               | 7.3 | Clear       | Clear | None |
| 1120                    | Collect Sample               |                                |              |           |          |           |                 |     |             |       |      |
|                         |                              |                                |              |           |          |           |                 |     |             |       |      |
|                         |                              |                                |              |           |          |           |                 |     |             |       |      |
|                         |                              |                                |              |           |          |           |                 |     |             |       |      |
|                         |                              |                                |              |           |          |           |                 |     |             |       |      |
| Total Time (min.)<br>35 | Total Volume Removed<br>3300 | Well pumped dry (yes/no)<br>No |              | Notes     |          |           |                 |     |             |       |      |

QA/QC Samples

N/A

Sig+A53+T52+A38:AE52



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW13

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                                                                                 |                                                             |                                    |                                    |  |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------|------------------------------------|--|
| Groundwater Depth (TOC)<br>6.46<br>feet                                                                         | Sample Method<br><br>Low Flow                               | Sampler<br>David Abernathy         | Date<br>10/23/2023                 |  |
| Well Depth (TOC)<br>75<br>feet                                                                                  |                                                             | Location (Site)<br>SWR             | Begin Time<br>13:25                |  |
| Water Column Thickness<br>68.54<br>feet                                                                         | Equipment<br>Geotech Bladder Pump<br>Geotech Geocontrol Pro | Laboratory<br>Eurofins             | Sample Depth<br>67.0               |  |
|                                                                                                                 |                                                             | Sample Suite<br>See COCs           |                                    |  |
| Casing Diameter<br>2<br>inches                                                                                  | Temperature (°F)<br>76°                                     | Meters<br>YSI Pro Plus             | Serial numbers                     |  |
| Casing Volume<br>10.97<br>gallons<br>1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4                               | Weather Conditions<br><br>Sunny                             | Solinst Water Level Meter          |                                    |  |
| Well Elevation (TOC)<br>781.65<br>feet                                                                          |                                                             | Calibration<br>Field<br>10/23/2023 | Ferrous Iron (Fe II) (mg/L)<br>N/A |  |
| Groundwater Elevation<br>775.19<br>feet                                                                         |                                                             | Product Observed (yes/no)<br>N/A   | Depth to product<br>N/A            |  |
| Parameter Stabilization<br>temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit |                                                             |                                    |                                    |  |

| Time | Volume removed (mL)          | Temp (°C)                      | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |      |
|------|------------------------------|--------------------------------|--------------|-----------|----------|-----------|-----------------|-----|-------------|-------|------|
|      |                              |                                |              |           |          |           |                 |     | clarity     | color | odor |
| 1330 | 0                            | 23.3                           | 783          | 5.7       | -2       | 0.51      | 2               | 7.1 | Clear       | Clear | None |
| 1335 | 750                          | 23.7                           | 1025         | 3.5       | -35      | 0.72      | 2               | 7.2 | Clear       | Clear | None |
| 1340 | 750                          | 24.0                           | 1300         | 1.3       | -78      | 0.85      | 2               | 7.3 | Clear       | Clear | None |
| 1345 | 750                          | 22.8                           | 1219         | 0.6       | -80      | 0.79      | 2               | 7.2 | Clear       | Clear | None |
| 1350 | 750                          | 23.1                           | 1160         | 0.5       | -83      | 0.75      | 2               | 7.2 | Clear       | Clear | None |
| 1355 | 750                          | 23.4                           | 1083         | 0.4       | -85      | 0.70      | 2               | 7.3 | Clear       | Clear | None |
| 1400 | 750                          | 23.2                           | 1045         | 0.4       | -86      | 0.67      | 2               | 7.3 | Clear       | Clear | None |
| 1405 | 750                          | 23.2                           | 1003         | 0.4       | -85      | 0.65      | 2               | 7.3 | Clear       | Clear | None |
| 1410 | 750                          | 23.2                           | 983          | 0.3       | -84      | 0.64      | 2               | 7.3 | Clear       | Clear | None |
| 1415 | 750                          | 22.9                           | 959          | 0.3       | -84      | 0.62      | 2               | 7.3 | Clear       | Clear | None |
| 1420 | 750                          | 22.9                           | 927          | 0.3       | -82      | 0.60      | 2               | 7.3 | Clear       | Clear | None |
| 1425 | 750                          | 22.9                           | 871          | 0.4       | -78      | 0.56      | 2               | 7.3 | Clear       | Clear | None |
| 55   | Total Volume Removed<br>8250 | Well pumped dry (yes/no)<br>No |              | Notes     |          |           |                 |     |             |       |      |

QA/QC Samples

N/A

Signature



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW14

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                                                  |                                                                                                                 |                                  |                                    |                                      |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------|--------------------------------------|
| Groundwater Depth (TOC)<br>6.88<br>feet                                          | Sample Method<br><br>Low Flow                                                                                   | Sampler<br>David Abernathy       | Date<br>10/23/2023                 |                                      |
| Well Depth (TOC)<br>22.5<br>feet                                                 |                                                                                                                 | Location (Site)<br>SWR           | Begin Time<br>15:50                |                                      |
| Water Column Thickness<br>15.62<br>feet                                          | Equipment<br>Geotech Bladder Pump<br>Geotech Geocontrol PRO                                                     | Laboratory<br>Eurofins           | Sample Depth<br>15.0               |                                      |
|                                                                                  |                                                                                                                 | Sample Suite<br>See COCs         |                                    |                                      |
| Casing Diameter<br>2<br>inches                                                   | Temperature (°F)<br>75°                                                                                         | Meters<br>YSI Pro Plus           | Serial numbers                     |                                      |
| Casing Volume<br>2.50<br>gallons<br>1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4 | Weather Conditions<br><br>Sunny                                                                                 | Solinst Water Level Meter        |                                    |                                      |
| Well Elevation (TOC)<br>781.7<br>feet                                            |                                                                                                                 | Calibration<br>Field             | Ferrous Iron (Fe II) (mg/L)<br>N/A |                                      |
| Groundwater Elevation<br>774.82<br>feet                                          |                                                                                                                 | 10/23/2023                       | Persulfate<br>N/A                  | H <sub>2</sub> O <sub>2</sub><br>N/A |
|                                                                                  | Parameter Stabilization<br>temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit | Product Observed (yes/no)<br>N/A | Depth to product<br>N/A            |                                      |

| Time                     | Volume removed (mL)           | Temp (°C)                      | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |      |
|--------------------------|-------------------------------|--------------------------------|--------------|-----------|----------|-----------|-----------------|-----|-------------|-------|------|
|                          |                               |                                |              |           |          |           |                 |     | clarity     | color | odor |
| 1555                     | 0                             | 24.1                           | 2089         | 3.3       | -39      | 1.37      | 34              | 6.7 | Cloudy      | White | None |
| 1600                     | 375                           | 23.8                           | 2115         | 0.4       | -45      | 1.37      | 36              | 6.8 | Cloudy      | White | None |
| 1605                     | 375                           | 24.0                           | 2103         | 0.3       | -47      | 1.37      | 34              | 6.8 | Cloudy      | White | None |
| 1610                     | 375                           | 24.1                           | 2093         | 0.3       | -48      | 1.37      | 32              | 6.8 | Cloudy      | White | None |
| 1615                     | 375                           | 23.9                           | 2063         | 0.2       | -49      | 1.34      | 29              | 6.8 | Clear       | Clear | None |
| 1620                     | 375                           | 23.8                           | 2049         | 0.2       | -50      | 1.33      | 28              | 6.8 | Clear       | Clear | None |
| 1625                     | 375                           | 23.6                           | 2025         | 0.2       | -50      | 1.31      | 28              | 6.8 | Clear       | Clear | None |
| 1630                     | 375                           | 23.8                           | 2013         | 0.2       | -50      | 1.31      | 27              | 6.8 | Clear       | Clear | None |
| 1635                     | Collect Sample                |                                |              |           |          |           |                 |     |             |       |      |
|                          |                               |                                |              |           |          |           |                 |     |             |       |      |
|                          |                               |                                |              |           |          |           |                 |     |             |       |      |
|                          |                               |                                |              |           |          |           |                 |     |             |       |      |
| Total Time (min.)<br>400 | Total Volume Removed<br>2,625 | Well pumped dry (yes/no)<br>No |              | Notes     |          |           |                 |     |             |       |      |

QA/QC Samples  
DUP 428

Signature



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW16

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                                                  |                                                                                                                 |                                    |                                      |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------|
| Groundwater Depth (TOC)<br>5.92<br>feet                                          | Sample Method<br><br>Low Flow                                                                                   | Sampler<br>David Abernathy         | Date<br>10/24/2023                   |
| Well Depth (TOC)<br>13<br>feet                                                   |                                                                                                                 | Location (Site)<br>SWR             | Begin Time<br>10:35                  |
| Water Column Thickness<br>7.08<br>feet                                           | Equipment<br>Geotech Bladder Pump<br>Geotech Geocontrol Pro                                                     | Laboratory<br>Eurofins             | Sample Depth<br>8.0                  |
|                                                                                  |                                                                                                                 | Sample Suite<br>See COCs           |                                      |
| Casing Diameter<br>2<br>inches                                                   | Temperature (°F)<br>69°                                                                                         | Meters<br>YSI Pro Plus             | Serial numbers                       |
| Casing Volume<br>1.13<br>gallons<br>1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4 | Weather Conditions<br><br>Sunny                                                                                 | Solinst Water Level Meter          |                                      |
| Well Elevation (TOC)<br>780.47<br>feet                                           |                                                                                                                 | Calibration<br>Field<br>10/24/2023 | Ferrous Iron (Fe II) (mg/L)<br>N/A   |
| Groundwater Elevation<br>774.55<br>feet                                          | Parameter Stabilization<br>temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit | Persulfate<br>N/A                  | H <sub>2</sub> O <sub>2</sub><br>N/A |
|                                                                                  |                                                                                                                 | Product Observed (yes/no)<br>N/A   |                                      |
|                                                                                  |                                                                                                                 | Depth to product<br>N/A            |                                      |

| Time | Volume removed (mL) | Temp (°C) | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |      |
|------|---------------------|-----------|--------------|-----------|----------|-----------|-----------------|-----|-------------|-------|------|
|      |                     |           |              |           |          |           |                 |     | clarity     | color | odor |
| 1040 | 0                   | 20.3      | 803          | 3.5       | -38      | 0.55      | 15              | 6.3 | Clear       | Clear | None |
| 1045 | 250                 | 21.1      | 841          | 1.1       | -46      | 0.55      | 12              | 6.3 | Clear       | Clear | None |
| 1050 | 250                 | 21.5      | 835          | 0.7       | -51      | 0.54      | 10              | 6.3 | Clear       | Clear | None |
| 1055 | 250                 | 21.8      | 789          | 0.4       | -54      | 0.51      | 8               | 6.3 | Clear       | Clear | None |
| 1100 | 250                 | 22.0      | 761          | 0.4       | -50      | 0.49      | 8               | 6.3 | Clear       | Clear | None |
| 1105 | 250                 | 22.6      | 718          | 0.4       | -42      | 0.47      | 7               | 6.3 | Clear       | Clear | None |
| 1110 | 250                 | 22.9      | 665          | 0.5       | -19      | 0.44      | 6               | 6.2 | Clear       | Clear | None |
| 1115 | 250                 | 22.6      | 644          | 0.5       | -10      | 0.42      | 6               | 6.2 | Clear       | Clear | None |
| 1120 | 250                 | 22.9      | 642          | 0.5       | -6       | 0.42      | 6               | 6.1 | Clear       | Clear | None |
| 1125 | 250                 | 23.1      | 629          | 0.5       | -2       | 0.40      | 5               | 6.1 | Clear       | Clear | None |
| 1130 | Collect Sample      |           |              |           |          |           |                 |     |             |       |      |
|      |                     |           |              |           |          |           |                 |     |             |       |      |

|                         |                              |                                |       |
|-------------------------|------------------------------|--------------------------------|-------|
| Total Time (min.)<br>50 | Total Volume Removed<br>2250 | Well pumped dry (yes/no)<br>No | Notes |
|-------------------------|------------------------------|--------------------------------|-------|

|                      |               |
|----------------------|---------------|
| QA/QC Samples<br>N/A | Signature<br> |
|----------------------|---------------|

|                                                                                                                                           |  |  |  |  |  |                                        |  |  |                                  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|----------------------------------------|--|--|----------------------------------|--|--|
| <div style="text-align: center;"> Matrix Environmental Services<br/> 283 Rucker Street<br/> Anniston, AL 36205<br/> (256) 847-0780 </div> |  |  |  |  |  | Station Name/Sample ID<br>PPMP-66-MW17 |  |  |                                  |  |  |
|                                                                                                                                           |  |  |  |  |  | Project<br>McClellan                   |  |  | Project Number<br>23.094.24-22.1 |  |  |

| GROUNDWATER SAMPLING LOG       |  |                                                                                      |  |  |     |                                                                             |  |                         |                                    |  |  |                                      |  |  |
|--------------------------------|--|--------------------------------------------------------------------------------------|--|--|-----|-----------------------------------------------------------------------------|--|-------------------------|------------------------------------|--|--|--------------------------------------|--|--|
| Groundwater Depth (TOC)        |  | Sample Method                                                                        |  |  |     | Sampler                                                                     |  |                         | Date                               |  |  |                                      |  |  |
| 6.21<br><small>feet</small>    |  | Low Flow                                                                             |  |  |     | David Abernathy                                                             |  |                         | 10/24/2023                         |  |  |                                      |  |  |
| Well Depth (TOC)               |  |                                                                                      |  |  |     | Location (Site)                                                             |  |                         | Begin Time                         |  |  |                                      |  |  |
| 20<br><small>feet</small>      |  | Equipment<br><br>Geotech Bladder Pump<br>Geotech Geocontrol PRO                      |  |  |     | SWR                                                                         |  |                         | 12:00                              |  |  |                                      |  |  |
| Water Column Thickness         |  |                                                                                      |  |  |     | Laboratory                                                                  |  |                         | Sample Depth                       |  |  |                                      |  |  |
| 13.79<br><small>feet</small>   |  |                                                                                      |  |  |     | Eurofins                                                                    |  |                         | 14.75                              |  |  |                                      |  |  |
| Casing Diameter                |  | Temperature (°F)                                                                     |  |  |     | Meters                                                                      |  |                         | Serial numbers                     |  |  |                                      |  |  |
|                                |  |                                                                                      |  |  |     |                                                                             |  |                         |                                    |  |  |                                      |  |  |
| 2<br><small>inches</small>     |  | 66°                                                                                  |  |  |     | YSI Pro Plus<br><br>Solinst Water Level Meter<br><br>Micro TPW Turbidimeter |  |                         | Ferrous Iron (Fe II) (mg/L)<br>N/A |  |  |                                      |  |  |
| Casing Volume                  |  | Weather Conditions                                                                   |  |  |     |                                                                             |  |                         |                                    |  |  | Calibration                          |  |  |
| 2.21<br><small>gallons</small> |  |                                                                                      |  |  |     | Sunny                                                                       |  |                         | Field                              |  |  | H <sub>2</sub> O <sub>2</sub><br>N/A |  |  |
| Well Elevation (TOC)           |  |                                                                                      |  |  |     |                                                                             |  |                         |                                    |  |  |                                      |  |  |
| 781.29<br><small>feet</small>  |  | N/A                                                                                  |  |  | N/A |                                                                             |  |                         |                                    |  |  |                                      |  |  |
| Groundwater Elevation          |  |                                                                                      |  |  |     |                                                                             |  | Parameter Stabilization |                                    |  |  | N/A                                  |  |  |
| 775.08<br><small>feet</small>  |  | temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit |  |  |     |                                                                             |  |                         |                                    |  |  |                                      |  |  |

| Time              | Volume removed (mL) | Temp (°C)            | Cond (µS/cm) | DO (mg/L)                | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |      |
|-------------------|---------------------|----------------------|--------------|--------------------------|----------|-----------|-----------------|-----|-------------|-------|------|
|                   |                     |                      |              |                          |          |           |                 |     | clarity     | color | odor |
| 1205              | 0                   | 22.2                 | 807          | 2.9                      | 3        | 0.53      | 17              | 6.8 | Clear       | Clear | None |
| 1210              | 375                 | 22.5                 | 812          | 1.4                      | -12      | 0.53      | 18              | 6.9 | Clear       | Clear | None |
| 1205              | 375                 | 22.6                 | 813          | 1.1                      | -20      | 0.53      | 19              | 6.9 | Clear       | Clear | None |
| 1220              | 375                 | 22.8                 | 814          | 0.8                      | -25      | 0.53      | 19              | 7.0 | Clear       | Clear | None |
| 1225              | 375                 | 22.8                 | 809          | 0.5                      | -29      | 0.53      | 18              | 7.0 | Clear       | Clear | None |
| 1230              | 375                 | 22.9                 | 807          | 0.5                      | -31      | 0.53      | 18              | 7.0 | Clear       | Clear | None |
| 1235              | 375                 | 22.7                 | 802          | 0.4                      | -32      | 0.52      | 19              | 7.0 | Clear       | Clear | None |
| 1240              | 375                 | 22.9                 | 790          | 0.3                      | -36      | 0.51      | 19              | 7.0 | Clear       | Clear | None |
| 1245              | 375                 | 22.8                 | 780          | 0.3                      | -39      | 0.51      | 19              | 7.0 | Clear       | Clear | None |
| 1250              | 375                 | 22.8                 | 776          | 0.3                      | -41      | 0.51      | 20              | 7.0 | Clear       | Clear | None |
| 1255              | Collect Sample      |                      |              |                          |          |           |                 |     |             |       |      |
|                   |                     |                      |              |                          |          |           |                 |     |             |       |      |
|                   |                     |                      |              |                          |          |           |                 |     |             |       |      |
| Total Time (min.) |                     | Total Volume Removed |              | Well pumped dry (yes/no) |          | Notes     |                 |     |             |       |      |
| 50                |                     | 3,375                |              | No                       |          |           |                 |     |             |       |      |
| QA/QC Samples     |                     |                      |              |                          |          |           |                 |     | Signature   |       |      |
| N/A               |                     |                      |              |                          |          |           |                 |     |             |       |      |



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW18R

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                                                  |                                                                                                                 |                                    |                                      |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------|
| Groundwater Depth (TOC)<br>5.92<br>feet                                          | Sample Method<br><br>Low Flow                                                                                   | Sampler<br>David Abernathy         | Date<br>10/24/2023                   |
| Well Depth (TOC)<br>15<br>feet                                                   |                                                                                                                 | Location (Site)<br>SWR             | Begin Time<br>13:15                  |
| Water Column Thickness<br>9.08<br>feet                                           | Equipment<br>Geotech Bladder Pump<br>Geotech Geocontrol PRO                                                     | Laboratory<br>Eurofins             | Sample Depth<br>9.5                  |
|                                                                                  |                                                                                                                 | Sample Suite<br>See COCs           |                                      |
| Casing Diameter<br>2<br>inches                                                   | Temperature (°F)<br>77°                                                                                         | Meters<br>YSI Pro Plus             | Serial numbers                       |
| Casing Volume<br>1.45<br>gallons<br>1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4 | Weather Conditions<br><br>Sunny                                                                                 | Solinst Water Level Meter          |                                      |
| Well Elevation (TOC)<br>781.25<br>feet                                           |                                                                                                                 | Calibration<br>Field<br>10/24/2023 | Ferrous Iron (Fe II) (mg/L)<br>N/A   |
| Groundwater Elevation<br>775.33<br>feet                                          | Parameter Stabilization<br>temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit | Persulfate<br>N/A                  | H <sub>2</sub> O <sub>2</sub><br>N/A |
|                                                                                  |                                                                                                                 | Product Observed (yes/no)<br>N/A   |                                      |
|                                                                                  |                                                                                                                 | Depth to product<br>N/A            |                                      |

| Time                    | Volume removed (mL)           | Temp (°C)                      | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |      |
|-------------------------|-------------------------------|--------------------------------|--------------|-----------|----------|-----------|-----------------|-----|-------------|-------|------|
|                         |                               |                                |              |           |          |           |                 |     | clarity     | color | odor |
| 1320                    | 0                             | 21.8                           | 601          | 1.7       | 21       | 0.39      | 23              | 6.9 | Clear       | Clear | None |
| 1325                    | 500                           | 21.7                           | 605          | 1.2       | 27       | 0.39      | 19              | 6.9 | Clear       | Clear | None |
| 1330                    | 500                           | 21.7                           | 606          | 1.0       | 28       | 0.39      | 18              | 6.9 | Clear       | Clear | None |
| 1335                    | 500                           | 21.7                           | 607          | 0.8       | 28       | 0.40      | 19              | 6.9 | Clear       | Clear | None |
| 1340                    | 500                           | 21.7                           | 606          | 0.7       | 25       | 0.40      | 19              | 7.0 | Clear       | Clear | None |
| 1345                    | 500                           | 21.7                           | 605          | 0.6       | 24       | 0.40      | 20              | 7.0 | Clear       | Clear | None |
| 1350                    | 500                           | 21.6                           | 606          | 0.6       | 22       | 0.40      | 21              | 7.0 | Clear       | Clear | None |
| 1355                    | 500                           | 21.8                           | 605          | 0.5       | 18       | 0.40      | 21              | 7.0 | Clear       | Clear | None |
| 1400                    | 500                           | 21.9                           | 606          | 0.5       | 14       | 0.40      | 20              | 7.0 | Clear       | Clear | None |
| 1405                    | 500                           | 22.0                           | 606          | 0.4       | 10       | 0.40      | 19              | 7.0 | Clear       | Clear | None |
| 1410                    | Collect Sample                |                                |              |           |          |           |                 |     |             |       |      |
|                         |                               |                                |              |           |          |           |                 |     |             |       |      |
| Total Time (min.)<br>50 | Total Volume Removed<br>4,500 | Well pumped dry (yes/no)<br>No |              |           | Notes    |           |                 |     |             |       |      |

QA/QC Samples

N/A

Signature



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW22

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                                                  |                                                                                                                 |                                    |                                    |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|
| Groundwater Depth (TOC)<br>5.62<br>feet                                          | Sample Method<br><br>Low Flow                                                                                   | Sampler<br>David Abernathy         | Date<br>10/24/2023                 |
| Well Depth (TOC)<br>25<br>feet                                                   |                                                                                                                 | Location (Site)<br>SWR             | Begin Time<br>9:25                 |
| Water Column Thickness<br>19.38<br>feet                                          | Equipment<br>Geotech Bladder Pump<br>Geotech Geocontrol Pro                                                     | Laboratory<br>Eurofins             | Sample Depth<br>20.00              |
|                                                                                  |                                                                                                                 | Sample Suite<br>See COCs           |                                    |
| Casing Diameter<br>2<br>inches                                                   | Temperature (°F)<br>63°                                                                                         | Meters<br>YSI Pro Plus             | Serial numbers                     |
| Casing Volume<br>3.10<br>gallons<br>1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4 | Weather Conditions<br><br>Sunny                                                                                 | Solinst Water Level Meter          |                                    |
|                                                                                  |                                                                                                                 | Micro TPW Turbidimeter             |                                    |
| Well Elevation (TOC)<br>780.44<br>feet                                           | Parameter Stabilization<br>temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit | Calibration<br>Field<br>10/24/2023 | Ferrous Iron (Fe II) (mg/L)<br>N/A |
| Groundwater Elevation<br>774.82<br>feet                                          |                                                                                                                 | Product Observed (yes/no)<br>N/A   | Persulfate<br>N/A                  |

| Time                    | Volume removed (mL)          | Temp (°C)                      | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |             |
|-------------------------|------------------------------|--------------------------------|--------------|-----------|----------|-----------|-----------------|-----|-------------|-------|-------------|
|                         |                              |                                |              |           |          |           |                 |     | clarity     | color | odor        |
| 0930                    | 0                            | 20.3                           | 522          | 1.7       | -95      | 0.34      | 19              | 7.0 | Clear       | Clear | Sulfur-like |
| 0935                    | 250                          | 20.0                           | 523          | 0.6       | -107     | 0.34      | 36              | 7.0 | Cloudy      | Brown | Sulfur-like |
| 0940                    | 250                          | 20.1                           | 526          | 0.5       | -16      | 0.34      | 32              | 7.1 | Cloudy      | Brown | Sulfur-like |
| 0945                    | 250                          | 20.2                           | 528          | 0.2       | -125     | 0.34      | 27              | 7.1 | Clear       | Clear | None        |
| 0950                    | 250                          | 20.4                           | 535          | 0.2       | -126     | 0.35      | 24              | 7.1 | Clear       | Clear | None        |
| 0955                    | 250                          | 20.4                           | 545          | 0.2       | -127     | 0.36      | 23              | 7.1 | Clear       | Clear | None        |
| 1000                    | 250                          | 20.7                           | 558          | 0.2       | -125     | 0.36      | 22              | 7.1 | Clear       | Clear | None        |
| 1005                    | 250                          | 20.8                           | 570          | 0.2       | -122     | 0.37      | 21              | 7.1 | Clear       | Clear | None        |
| 1010                    | 250                          | 20.9                           | 579          | 0.2       | -119     | 0.38      | 21              | 7.1 | Clear       | Clear | None        |
| 1015                    | 250                          | 20.8                           | 585          | 0.2       | -117     | 0.38      | 21              | 7.1 | Clear       | Clear | None        |
| 1020                    | Collect Sample               |                                |              |           |          |           |                 |     |             |       |             |
|                         |                              |                                |              |           |          |           |                 |     |             |       |             |
| Total Time (min.)<br>50 | Total Volume Removed<br>2250 | Well pumped dry (yes/no)<br>No |              |           | Notes    |           |                 |     |             |       |             |

QA/QC Samples

N/A

Signature

|                                                                                                                                               |  |                                                                                            |  |                                         |  |                                  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|--|-----------------------------------------|--|----------------------------------|--|
| <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <b>Matrix</b><br/>             ENVIRONMENTAL           </div> |  | Matrix Environmental Services<br>283 Rucker Street<br>Anniston, AL 36205<br>(256) 847-0780 |  | Station Name/Sample ID<br>PPMP-66-MW23R |  |                                  |  |
|                                                                                                                                               |  |                                                                                            |  | Project<br>McClellan                    |  | Project Number<br>23.094.24-22.1 |  |

| GROUNDWATER SAMPLING LOG                     |  |                                                                                      |  |                           |  |  |                             |  |                               |  |  |
|----------------------------------------------|--|--------------------------------------------------------------------------------------|--|---------------------------|--|--|-----------------------------|--|-------------------------------|--|--|
| Groundwater Depth (TOC)                      |  | Sample Method                                                                        |  | Sampler                   |  |  | Date                        |  |                               |  |  |
| 5.95 feet                                    |  |                                                                                      |  | David Abernathy           |  |  | 10/25/2023                  |  |                               |  |  |
| Well Depth (TOC)                             |  | Low Flow                                                                             |  | Location (Site)           |  |  | Begin Time                  |  |                               |  |  |
| 30 feet                                      |  |                                                                                      |  | SWR                       |  |  | 13:30                       |  |                               |  |  |
| Water Column Thickness                       |  | Equipment                                                                            |  | Laboratory                |  |  | Sample Depth                |  |                               |  |  |
| 24.05 feet                                   |  |                                                                                      |  | Eurofins                  |  |  | 25.0                        |  |                               |  |  |
|                                              |  | Geotech Bladder Pump<br>Geotech Geocontrol Pro                                       |  | Sample Suite              |  |  |                             |  |                               |  |  |
|                                              |  |                                                                                      |  | See COCs                  |  |  |                             |  |                               |  |  |
| Casing Diameter                              |  | Temperature (°F)                                                                     |  | Meters                    |  |  | Serial numbers              |  |                               |  |  |
| 2 inches                                     |  |                                                                                      |  | YSI Pro Plus              |  |  |                             |  |                               |  |  |
| Casing Volume                                |  | Weather Conditions                                                                   |  | Solinst Water Level Meter |  |  |                             |  |                               |  |  |
| 3.85 gallons                                 |  |                                                                                      |  | Micro TPW Turbidimeter    |  |  |                             |  |                               |  |  |
|                                              |  | Sunny                                                                                |  | Calibration               |  |  | Ferrous Iron (Fe II) (mg/L) |  |                               |  |  |
| 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4 |  |                                                                                      |  | Field                     |  |  | N/A                         |  |                               |  |  |
| Well Elevation (TOC)                         |  |                                                                                      |  | 10/25/2023                |  |  | Persulfate                  |  | H <sub>2</sub> O <sub>2</sub> |  |  |
| 780.87 feet                                  |  |                                                                                      |  |                           |  |  | N/A                         |  | N/A                           |  |  |
| Groundwater Elevation                        |  | Parameter Stabilization                                                              |  | Product Observed (yes/no) |  |  | Depth to product            |  |                               |  |  |
| 774.92 feet                                  |  | temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit |  | N/A                       |  |  | N/A                         |  |                               |  |  |

| Time              | Volume removed (mL)  | Temp (°C)                | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH   | Description |       |      |
|-------------------|----------------------|--------------------------|--------------|-----------|----------|-----------|-----------------|------|-------------|-------|------|
|                   |                      |                          |              |           |          |           |                 |      | clarity     | color | odor |
| 1335              | 0                    | 24.6                     | 1762         | 1.3       | -108     | 1.14      | 17              | 11.7 | Clear       | Clear | None |
| 1340              | 375                  | 23.0                     | 1800         | 0.4       | -109     | 1.12      | 14              | 11.7 | Clear       | Clear | None |
| 1345              | 375                  | 23.0                     | 1795         | 0.4       | -104     | 1.16      | 12              | 11.7 | Clear       | Clear | None |
| 1350              | 375                  | 24.5                     | 1776         | 0.3       | -101     | 1.16      | 11              | 11.6 | Clear       | Clear | None |
| 1355              | 375                  | 24.7                     | 1789         | 0.3       | -108     | 1.16      | 9               | 11.8 | Clear       | Clear | None |
| 1400              | 375                  | 25.2                     | 1778         | 0.3       | -107     | 1.16      | 7               | 11.7 | Clear       | Clear | None |
| 1405              | 375                  | 25.6                     | 1772         | 0.2       | -103     | 1.15      | 6               | 11.7 | Clear       | Clear | None |
| 1410              | 375                  | 24.0                     | 1782         | 0.2       | -99      | 1.16      | 6               | 11.7 | Clear       | Clear | None |
| 1415              | 375                  | 23.7                     | 1777         | 0.2       | -93      | 1.15      | 6               | 11.6 | Clear       | Clear | None |
| 1420              | 375                  | 24.2                     | 1760         | 0.2       | -97      | 1.00      | 6               | 11.6 | Clear       | Clear | None |
| 1425              | Collect Sample       |                          |              |           |          |           |                 |      |             |       |      |
|                   |                      |                          |              |           |          |           |                 |      |             |       |      |
| Total Time (min.) | Total Volume Removed | Well pumped dry (yes/no) |              | Notes     |          |           |                 |      |             |       |      |
| 55                | 3375                 | No                       |              |           |          |           |                 |      |             |       |      |

|                          |               |
|--------------------------|---------------|
| QA/QC Samples<br>DUP 427 | Signature<br> |
|--------------------------|---------------|



Matrix Environmental Services  
283 Rucker Street  
Anniston, AL 36205  
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW24R

Project

McClellan

Project Number

23.094.24-22.1

## GROUNDWATER SAMPLING LOG

|                                                        |                                                                                                                 |                                                                 |                                        |                                          |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------|------------------------------------------|
| Groundwater Depth (TOC)<br><br>5.97<br><div>feet</div> | Sample Method<br><br>Low Flow                                                                                   | Sampler<br><br>David Abernathy                                  | Date<br><br>10/24/2023                 |                                          |
| Well Depth (TOC)<br><br>35<br><div>feet</div>          |                                                                                                                 | Location (Site)<br><br>SWR                                      | Begin Time<br><br>15:35                |                                          |
| Water Column Thickness<br><br>29.03<br><div>feet</div> |                                                                                                                 | Equipment<br><br>Geotech Bladder Pump<br>Geotech Geocontrol PRO | Laboratory<br><br>Eurofins             | Sample Depth<br><br>30.0                 |
| Casing Diameter<br><br>2<br><div>inches</div>          | Temperature (°F)<br><br>78°                                                                                     | Sample Suite<br>See COCs                                        |                                        |                                          |
|                                                        |                                                                                                                 | Meters<br><br>YSI Pro Plus                                      | Serial numbers                         |                                          |
|                                                        | Casing Volume<br><br>4.64<br><div>gallons</div>                                                                 | Weather Conditions<br><br>Sunny                                 | Solinst Water Level Meter              |                                          |
|                                                        | 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4                                                                    |                                                                 | Micro TPW Turbidimeter                 |                                          |
| Well Elevation (TOC)<br><br>781.2<br><div>feet</div>   | Calibration<br><br>Field                                                                                        |                                                                 | Ferrous Iron (Fe II) (mg/L)<br><br>N/A |                                          |
| Groundwater Elevation<br><br>775.23<br><div>feet</div> | Parameter Stabilization<br>temp +/- 1° DO +/- 10% Turbidity +/- 10%<br>cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit | 10/24/2023                                                      | Persulfate<br><br>N/A                  | H <sub>2</sub> O <sub>2</sub><br><br>N/A |
|                                                        |                                                                                                                 | Product Observed (yes/no)<br><br>N/A                            | Depth to product<br><br>N/A            |                                          |

| Time | Volume removed (mL) | Temp (°C) | Cond (µS/cm) | DO (mg/L) | ORP (mV) | TDS (g/L) | Turbidity (NTU) | pH  | Description |       |      |
|------|---------------------|-----------|--------------|-----------|----------|-----------|-----------------|-----|-------------|-------|------|
|      |                     |           |              |           |          |           |                 |     | clarity     | color | odor |
| 1540 | 0                   | 22.1      | 613          | 1.8       | -53      | 0.40      | 15              | 8.0 | Clear       | Clear | None |
| 1545 | 500                 | 22.5      | 662          | 0.5       | -103     | 0.43      | 14              | 7.6 | Clear       | Clear | None |
| 1550 | 500                 | 22.9      | 669          | 0.4       | -106     | 0.44      | 14              | 7.6 | Clear       | Clear | None |
| 1555 | 500                 | 23.0      | 684          | 0.4       | -101     | 0.45      | 13              | 7.5 | Clear       | Clear | None |
| 1600 | 500                 | 23.0      | 697          | 0.4       | -97      | 0.46      | 12              | 7.3 | Clear       | Clear | None |
| 1605 | 500                 | 22.7      | 725          | 0.5       | -94      | 0.47      | 12              | 7.3 | Clear       | Clear | None |
| 1610 | 500                 | 22.8      | 757          | 0.6       | -91      | 0.49      | 11              | 7.2 | Clear       | Clear | None |
| 1615 | 500                 | 22.9      | 807          | 0.7       | -89      | 0.53      | 11              | 7.2 | Clear       | Clear | None |
| 1620 | 500                 | 22.8      | 844          | 0.8       | -86      | 0.55      | 10              | 7.2 | Clear       | Clear | None |
| 1625 | 500                 | 22.8      | 850          | 0.8       | -85      | 0.55      | 10              | 7.2 | Clear       | Clear | None |
| 1630 | 500                 | 22.6      | 856          | 0.8       | -84      | 0.57      | 10              | 7.2 | Clear       | Clear | None |

|                         |                              |                                |  |       |  |  |  |  |  |  |  |
|-------------------------|------------------------------|--------------------------------|--|-------|--|--|--|--|--|--|--|
| 1635                    | Collect Sample               |                                |  |       |  |  |  |  |  |  |  |
| Total Time (min.)<br>55 | Total Volume Removed<br>5000 | Well pumped dry (yes/no)<br>No |  | Notes |  |  |  |  |  |  |  |

|                      |               |
|----------------------|---------------|
| QA/QC Samples<br>N/A | Signature<br> |
|----------------------|---------------|

**Appendix B**  
**Chain-of- Custody Forms**

## MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory Eurofins  
 Lab Contact Noel Savoie and Beth Daughtry  
 MES Contact Betty Van Pelt  
 MES Phone 801-699-1246  
 Project Parcel 66(7), Fmr Small Weapons Repair Shop  
 Task # 23.094.24-22.1.500

COC Number 68019843  
 Cooler ID 1 of 1  
 Page 1 of 2

Samplers Signature

| SWMU                                        | Station ID    | QC Code | Station Code | Matrix | Sample Method | Date Collected | Sample Time | SW826D - VOC*<br>3-40 mL vials, HCl | RSK-175 - M,E,E<br>3-40 mL vials, HCl | TOC - SW9060<br>2-40 mL amber VOA<br>H2SO4 | SW8260B - VOC* TB<br>2-40 mL vials, HCl |
|---------------------------------------------|---------------|---------|--------------|--------|---------------|----------------|-------------|-------------------------------------|---------------------------------------|--------------------------------------------|-----------------------------------------|
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW04  | NS      | MW           | Water  | BP            | 10/23/2023     | 10:15       | X                                   |                                       |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW11  | NS      | MW           | Water  | BP            | 10/23/2023     | 11:20       | X                                   |                                       |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW07  | NS      | MW           | Water  | BP            | 10/23/2023     | 12:35       | X                                   |                                       |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW13  | NS      | MW           | Water  | BP            | 10/23/2023     | 15:05       | X                                   |                                       |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW13  | MS/MSD  | MW           | Water  | BP            | 10/23/2023     | 15:05       | X                                   |                                       |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW17  | NS      | MW           | Water  | BP            | 10/24/2023     | 12:55       | X                                   |                                       |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW18R | NS      | MW           | Water  | BP            | 10/24/2023     | 14:10       | X                                   |                                       |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW01  | NS      | MW           | Water  | BP            | 10/24/2023     | 9:00        | X                                   |                                       |                                            |                                         |
| McClellan Field QC                          | DUP428        | FD      | MW           | Water  | BP            | 10/23/2023     | N/A         | X                                   |                                       |                                            |                                         |
| McClellan Field QC                          | TB 616        | TB      | WQ           | Water  | G             | 10/26/2023     | 8:35        |                                     |                                       |                                            | X                                       |

## NOTES:

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water

Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water

Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump

White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt

Double the number of bottles for MS/MSD

Relinquished by (Signature):

Date/Time: 10-26-2023  
1030

Received by (Signature):

Relinquished by (Signature):

Date/Time:

Received by (Signature):



680-242317 Chain of Custody

Fedex

7A 10.27.23  
1002

1.0/1.3

**MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD**

Laboratory Eurofins  
 Lab Contact Noel Savoie and Beth Daughtry  
 MES Contact Betty Van Pelt  
 MES Phone 801-699-1246  
 Project Parcel 66(7), Fmr Small Weapons Repair Shop  
 Task # 23.094.24-22.1

COC Number 68019843  
 Cooler ID 1 of 1  
 Page 2 of 2

|                                             |                |                |              |        |               | Date Collected | Sample Time | Analysis                               |                                       |                                           |                                           |
|---------------------------------------------|----------------|----------------|--------------|--------|---------------|----------------|-------------|----------------------------------------|---------------------------------------|-------------------------------------------|-------------------------------------------|
| SWMU                                        | Station ID     | QC Code        | Station Code | Matrix | Sample Method |                |             | SW8260D - VOC*<br>3 - 40 mL vials, HCl | RSK-175 - MJE<br>3 - 40 mL vials, HCl | TOC - SW9060<br>3 - 40 mL amber VOA H2SO4 | SW8260B - VOC* TB<br>2 - 40 mL vials, HCl |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW22   | NS             | MW           | Water  | BP            | 10/24/2023     | 10:20       | X                                      |                                       |                                           |                                           |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW16   | NS             | MW           | Water  | BP            | 10/24/2023     | 11:30       | X                                      |                                       |                                           |                                           |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW08   | NS             | MW           | Water  | BP            | 10/25/2023     | 8:30        | X                                      |                                       |                                           |                                           |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW23R  | NS             | MW           | Water  | BP            | 10/25/2023     | 14:25       | X                                      | X                                     | X                                         |                                           |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW02RR | NS             | MW           | Water  | BP            | 10/25/2023     | 9:35        | X                                      | X                                     | X                                         |                                           |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW24R  | NS             | MW           | Water  | BP            | 10/24/2023     | 16:35       | X                                      |                                       |                                           |                                           |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW14   | NS             | MW           | Water  | BP            | 10/23/2023     | 16:35       | X                                      |                                       |                                           |                                           |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW06R  | NS             | MW           | Water  | BP            | 10/25/2023     | 15:45       | X                                      | X                                     | X                                         |                                           |
| McClellan Field QC                          | DUP427         | FD             | WQ           | Water  | BP            | 10/25/2023     | N/A         | X                                      | X                                     | X                                         |                                           |
| McClellan Field QC                          | EB 150         | EB             | WQ           | Water  | G             | 10/26/2023     | 8:23        | X                                      |                                       |                                           |                                           |
| McClellan Field QC                          | MATERIAL 117   | Material Blank | WQ           | Water  | G             | 10/26/2023     | 8:30        | X                                      |                                       |                                           |                                           |

**NOTES:**

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water  
 Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water  
 Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump  
 White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt

Double the number of bottles for MS/MSD

Relinquished by (Signature):   
 Relinquished by (Signature): David Abernathy

Date/Time: 10-26-2023  
 Date/Time: 1030

Received by (Signature): Fedex  
 Received by (Signature): OK TA 10-27-23  
 Received by (Signature): 1002

**APPENDIX C**  
**Data Validation Summary**  
**And Laboratory Reports**

| Data Validation Summary                                                                                                                       |                                                   |                      |            |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------|------------|---------|
| Laboratory Name:                                                                                                                              | TALPEN                                            | Report Package Date: | 11/22/2023 |         |
| Project Name:                                                                                                                                 | SWR                                               | Review Date:         | 1/8/2023   |         |
| SDG:                                                                                                                                          | 680-242317-1                                      |                      |            |         |
| Reviewer Name:                                                                                                                                | B. Van Pelt                                       |                      |            |         |
| Parameters:                                                                                                                                   | HC, ORG, OTHER, STD, VOC                          |                      |            |         |
| Method IDs:                                                                                                                                   | RSK-175, SW8260D, SW9060A                         |                      |            |         |
| Matrix:                                                                                                                                       | Ground water                                      |                      |            |         |
|                                                                                                                                               |                                                   | Yes                  | No         | N/A     |
|                                                                                                                                               |                                                   |                      |            | Comment |
| <b>Report Completeness &amp; Sample Log-In Condition</b>                                                                                      |                                                   |                      |            |         |
| 1 Were holding times met?                                                                                                                     |                                                   |                      | X          | 1       |
| 2 Were sample storage and preservation requirements met?                                                                                      | X                                                 |                      |            |         |
| <b>Laboratory Method Blanks and Field Blanks</b>                                                                                              |                                                   |                      |            |         |
| 1 Were appropriate types of laboratory method blanks analyzed?                                                                                | X                                                 |                      |            |         |
| 2 Were the laboratory method blanks analyzed at the appropriate frequency?                                                                    | X                                                 |                      |            |         |
| 3 Was the method blank free of contamination?                                                                                                 | X                                                 |                      |            |         |
| 4 Did the method blank contamination affect the final results?                                                                                |                                                   |                      | X          |         |
| 5 Was a trip blank required and submitted with the samples?                                                                                   | X                                                 |                      |            |         |
| 6 Was the trip blank free of contamination?                                                                                                   | X                                                 |                      |            |         |
| 7 Did the trip blank contamination affect the final results?                                                                                  |                                                   | X                    |            |         |
| 8 Was an equipment blank and/or material blank required and submitted with the samples?                                                       | X                                                 |                      |            |         |
| 9 Was the equipment blank and/or material blank free of contamination ?                                                                       | X                                                 |                      |            |         |
| 10 Did the equipment blank and/or material blank contamination affect the final results?                                                      |                                                   | X                    |            |         |
| 11 Were Continuous Calibration Blanks (CCBs) analyzed?                                                                                        |                                                   | X                    |            |         |
| 12 Were CCBs within the control window?                                                                                                       |                                                   |                      | X          |         |
| 13 Did the CCB contamination affect the final results?                                                                                        |                                                   |                      | X          |         |
| <b>Surrogates</b>                                                                                                                             |                                                   |                      |            |         |
| 1 Were surrogates added prior to extraction for all appropriate methods?                                                                      | X                                                 |                      |            |         |
| 2 Were surrogate percent recoveries within laboratory control limits?                                                                         |                                                   | X                    |            | 2       |
| 3 Did the surrogate percent recoveries affect the final results?                                                                              |                                                   | X                    |            |         |
| <b>Laboratory Control Samples</b>                                                                                                             |                                                   |                      |            |         |
| 1 Were Laboratory Control Samples analyzed at a frequency of one per batch?                                                                   | X                                                 |                      |            |         |
| 2 Were Laboratory Control Samples spiked with appropriate list of target compounds?                                                           | X                                                 |                      |            |         |
| 3 Were Laboratory Control Samples percent recoveries within laboratory control limits?                                                        |                                                   | X                    |            | 3       |
| 4 Did the Laboratory Control Samples percent recoveries affect the final results?                                                             | X                                                 |                      |            | 3       |
| 5 If performed, was Laboratory Control Samples Duplicate data provided?                                                                       | X                                                 |                      |            |         |
| 6 Were the Laboratory Control Sample/Laboratory Control Sample Duplicate Relative Percent Difference values within laboratory control limits? | X                                                 |                      |            |         |
| <b>Matrix Spikes</b>                                                                                                                          |                                                   |                      |            |         |
| 1 Were Matrix Spike/Matrix Spike Duplicate analyzed at a frequency of one per batch?                                                          | X                                                 |                      |            |         |
| Sample used/methods:                                                                                                                          | PPMP-66-MW13 and PPMP-66-08                       |                      |            |         |
| 2 Were Matrix Spike/Matrix Spike Duplicate spiked with appropriate list of target compounds?                                                  | X                                                 |                      |            |         |
| 3 Were Matrix Spike/Matrix Spike Duplicate percent recoveries within laboratory control limits?                                               |                                                   | X                    |            | 4       |
| 4 Did the Matrix Spike/Matrix Spike Duplicate percent recoveries affect the final results?                                                    |                                                   | X                    |            |         |
| 5 Were the Matrix Spike/Matrix Spike Duplicate Relative Percent Difference values within laboratory control limits?                           |                                                   | X                    |            |         |
| 6 Did the Matrix Spike/Matrix Spike Duplicate Relative Percent Differences affect the final results?                                          | X                                                 |                      |            |         |
| <b>Field and Laboratory Duplicates</b>                                                                                                        |                                                   |                      |            |         |
| 1 Was a field duplicate submitted with this Sample Delivery Group?                                                                            | X                                                 |                      |            |         |
| Field Duplicate ID:                                                                                                                           | PPMP-66-MW14 = DUP 428 and PPMP-66-MW23R =DUP 427 |                      |            |         |
| 2 Were the field sample RPD values less than review criteria?                                                                                 |                                                   |                      | X          |         |
| 3 Did the field duplicate RPD results affect the final results? If so, narrate.                                                               |                                                   |                      |            |         |
| <b>Other Laboratory QC Data</b>                                                                                                               |                                                   |                      |            |         |
| 1 Were internal standard data reported? (organics and inorganics by 6020)                                                                     | X                                                 |                      |            |         |
| 2 Were IS area counts and retention times within method required limits?                                                                      | X                                                 |                      |            |         |
| 3 Were data associated with manual integration flagged on the test reports?                                                                   |                                                   |                      | X          |         |
| 4 Did dual-column confirmation results (PCBs) meet method-required QC limits of <25% difference?                                              |                                                   |                      | X          |         |
| 5 Was an interference check sample analyzed and were percent recoveries within QC limits?                                                     |                                                   |                      | X          |         |
| 6 If serial dilutions were analyzed using a project sample, were the percent differences within QC limits?                                    |                                                   |                      | X          |         |
| 7 Was a CRDL check sample analyzed and were the percent recoveries within QC limits?                                                          |                                                   |                      | X          |         |
| 8 If post-digestion spikes (PDS) were performed for metals, were percent recoveries with QC limits?                                           |                                                   |                      | X          |         |
| 9 If ICV/CCV was stated in the case narrative, did the ICV/CCV affect the project samples?                                                    | X                                                 |                      |            | 1       |

| Data Validation Summary |                           |                      |            |     |
|-------------------------|---------------------------|----------------------|------------|-----|
| Laboratory Name:        | TALPEN                    | Report Package Date: | 11/22/2023 |     |
| Project Name:           | SWR                       | Review Date:         | 1/8/2023   |     |
| SDG:                    | 680-242317-1              |                      |            |     |
| Reviewer Name:          | B. Van Pelt               |                      |            |     |
| Parameters:             | HC, ORG, OTHER, STD, VOC  |                      |            |     |
| Method IDs:             | RSK-175, SW8260D, SW9060A |                      |            |     |
| Matrix:                 | Ground water              |                      |            |     |
|                         |                           | Yes                  | No         | N/A |
|                         |                           | Comment              |            |     |

| Comment No. | Description (data usability; note any estimated and/or rejected data):                                                                                                                                                                                                                                                                                                                                |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1           | Reanalyses exceeded hold time for samples PPMP-66-MW23R and it's duplicate DUP 27 and PPMP-66-02RR - Only reported 1,1-dichloroethene, methylene chloride, and vinyl chloride were reported for the reanalyses because they were low in the initial continuing calibration run. The listed analytes are flagged UJ for non-detects and J for detects.                                                 |
| 2           | PPMP-66-MW07 and DUP428 (PPMP-66-MW14) had surrogate 4-bromofluorobenzene above criteria. All associated analytes ND - no flags.                                                                                                                                                                                                                                                                      |
| 3           | LCS low for dichlorodifluoromethane in batch 400-648802 LCSD met criteria, no data qualified.<br>LCS high for hexachlorobutadiene in batches 400-649352 and 400-650746, LCSD met criteria, no data qualified.                                                                                                                                                                                         |
| 4           | MS/MSD for PPMP-66-MW13 - RPD outside lab criteria for a number of compounds but met QAPP criteria, no data qualified for RPDs.<br>High recovery bromoform MS and MSD - not detected in parent sample - no flag<br>Other high and low recoveries in the MS but not the MSD - these are not flagged. (pgs 45 - 48 of lab report)<br>Low recoveries acetone MS and MSD - UJ parent sample PPMP-66-MW-13 |

**Table C1 - Sample Index**  
**Parcel 66(7) Former Small Weapons Repair Shop**  
**McClellan, Anniston, Alabama**

| SiteName                                   | Station        | QCCode | Matrix | Sample Date | Lab    | Delivery Group | LabSampleID       | Method  | Batch            |
|--------------------------------------------|----------------|--------|--------|-------------|--------|----------------|-------------------|---------|------------------|
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW01   | NS     | WG     | 24-Oct-23   | TALPEN | 680-242317-1   | 680-242317-7      | SW8260D | 648802<br>649001 |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW02RR | NS     | WG     | 25-Oct-23   | TALSAV | 680-242317-1   | 680-242317-14     | RSK-175 | 806311           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW02RR | NS     | WG     | 25-Oct-23   | TALPEN | 680-242317-1   | 680-242317-14     | SW8260D | 649001<br>650746 |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW02RR | NS     | WG     | 25-Oct-23   | TALSAV | 680-242317-1   | 680-242317-14     | SW9060A | 807772           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW04   | NS     | WG     | 23-Oct-23   | TALPEN | 680-242317-1   | 680-242317-1      | SW8260D | 648802           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW06R  | NS     | WG     | 25-Oct-23   | TALSAV | 680-242317-1   | 680-242317-17     | RSK-175 | 806311           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW06R  | NS     | WG     | 25-Oct-23   | TALPEN | 680-242317-1   | 680-242317-17     | SW8260D | 649001<br>650746 |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW06R  | NS     | WG     | 25-Oct-23   | TALSAV | 680-242317-1   | 680-242317-17     | SW9060A | 807772           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW07   | NS     | WG     | 23-Oct-23   | TALPEN | 680-242317-1   | 680-242317-3      | SW8260D | 648802           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW08   | NS     | WG     | 25-Oct-23   | TALPEN | 680-242317-1   | 680-242317-12     | SW8260D | 649001           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW08   | MS     | WG     | 25-Oct-23   | TALPEN | 680-242317-1   | 680-242317-12 MS  | SW8260D | 649001           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW08   | MSD    | WG     | 25-Oct-23   | TALPEN | 680-242317-1   | 680-242317-12 MSD | SW8260D | 649001           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW11   | NS     | WG     | 23-Oct-23   | TALPEN | 680-242317-1   | 680-242317-2      | SW8260D | 648802           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW13   | NS     | WG     | 23-Oct-23   | TALPEN | 680-242317-1   | 680-242317-4      | SW8260D | 648802           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW13   | MS     | WG     | 23-Oct-23   | TALPEN | 680-242317-1   | 680-242317-4 MS   | SW8260D | 648802           |

**Table C1 - Sample Index**  
**Parcel 66(7) Former Small Weapons Repair Shop**  
**McClellan, Anniston, Alabama**

| SiteName                                   | Station       | QCCode | Matrix | Sample Date | Lab    | Delivery Group | LabSampleID      | Method  | Batch            |
|--------------------------------------------|---------------|--------|--------|-------------|--------|----------------|------------------|---------|------------------|
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW13  | MSD    | WG     | 23-Oct-23   | TALPEN | 680-242317-1   | 680-242317-4 MSD | SW8260D | 648802           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW14  | NS     | WG     | 23-Oct-23   | TALPEN | 680-242317-1   | 680-242317-16    | SW8260D | 648802           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW14  | FD     | WG     | 23-Oct-23   | TALPEN | 680-242317-1   | 680-242317-8     | SW8260D | 648802           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW16  | NS     | WG     | 24-Oct-23   | TALPEN | 680-242317-1   | 680-242317-11    | SW8260D | 648802           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW17  | NS     | WG     | 24-Oct-23   | TALPEN | 680-242317-1   | 680-242317-5     | SW8260D | 649001           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW18R | NS     | WG     | 24-Oct-23   | TALPEN | 680-242317-1   | 680-242317-6     | SW8260D | 649001           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW22  | NS     | WG     | 24-Oct-23   | TALPEN | 680-242317-1   | 680-242317-10    | SW8260D | 648802           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW23R | NS     | WG     | 25-Oct-23   | TALSAV | 680-242317-1   | 680-242317-13    | RSK-175 | 806311           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW23R | NS     | WG     | 25-Oct-23   | TALPEN | 680-242317-1   | 680-242317-13    | SW8260D | 649001<br>650746 |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW23R | NS     | WG     | 25-Oct-23   | TALSAV | 680-242317-1   | 680-242317-13    | SW9060A | 807772           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW23R | FD     | WG     | 25-Oct-23   | TALSAV | 680-242317-1   | 680-242317-18    | RSK-175 | 806311           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW23R | FD     | WG     | 25-Oct-23   | TALPEN | 680-242317-1   | 680-242317-18    | SW8260D | 649001<br>650746 |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW23R | FD     | WG     | 25-Oct-23   | TALSAV | 680-242317-1   | 680-242317-18    | SW9060A | 807772           |
| PARCEL 66(7) FMR SMALL WEAPONS REPAIR SHOP | PPMP-66-MW24R | NS     | WG     | 24-Oct-23   | TALPEN | 680-242317-1   | 680-242317-15    | SW8260D | 648802           |
| MCCLELLAN Field QC                         | EB 150        | EB     | W      | 26-Oct-23   | TALPEN | 680-242317-1   | 680-242317-19    | SW8260D | 6449352          |

**Table C1 - Sample Index**  
**Parcel 66(7) Former Small Weapons Repair Shop**  
**McClellan, Anniston, Alabama**

| SiteName           | Station      | QCCode | Matrix | Sample Date | Lab    | Delivery Group | LabSampleID   | Method  | Batch   |
|--------------------|--------------|--------|--------|-------------|--------|----------------|---------------|---------|---------|
| MCCLELLAN Field QC | Material 117 | WS     | W      | 26-Oct-23   | TALPEN | 680-242317-1   | 680-242317-20 | SW8260D | 6449352 |
| MCCLELLAN Field QC | TB616        | TB     | W      | 26-Oct-23   | TALPEN | 680-242317-1   | 680-242317-9  | SW8260D | 6449352 |

**Notes:**

FD - Field Duplicate

ID - Identification

MS/MSD - Matrix Spike/Matrix Spike Duplicate

NS - Normal Sample

QC - Quality Control

TALPEN - Eurofins Pensacola, Florida

TALSAV - Eurofins Savannah, Georgia

W - Water

WG - Ground water

**Table C2 - Field Duplicate Summary**  
**Parcel 66(7) Former Small Weapons Repair Shop**  
**McClellan, Anniston, Alabama**

| Station       | Sample Date | Delivery Group | Method  | Parameter                | Units | NS Result | NS Flag | FD Result | FD Flag | RPD | RPD Limit |
|---------------|-------------|----------------|---------|--------------------------|-------|-----------|---------|-----------|---------|-----|-----------|
| PPMP_66-MW14  | 25-Oct-23   | 680-242317     | --      | no analytes detected     | --    | --        | --      | --        | --      | --  | 50        |
| PPMP_66-MW23R | 25-Oct-23   | 680-242317     | SW8260D | 1,1-Dichloroethene       | µg/L  | 1.6       | J       | 1.2       | J       | 29  | 50        |
| PPMP_66-MW23R | 25-Oct-23   | 680-242317     | SW8260D | Vinyl Chloride           | µg/L  | 6.1       | J       | 4.7       | J       | 26  | 50        |
| PPMP_66-MW23R | 25-Oct-23   | 680-242317     | SW8260D | 1,1-Dichloroethane       | µg/L  | 0.91      |         | 0.85      |         | 7   | 50        |
| PPMP_66-MW23R | 25-Oct-23   | 680-242317     | SW8260D | 1,1-Dichloroethene       | µg/L  | 1.4       |         | 1.2       |         | 15  | 50        |
| PPMP_66-MW23R | 25-Oct-23   | 680-242317     | SW8260D | Cis-1,2-Dichloroethene   | µg/L  | 44        |         | 38        |         | 15  | 50        |
| PPMP_66-MW23R | 25-Oct-23   | 680-242317     | SW8260D | Trans-1,2-Dichloroethene | µg/L  | 42        |         | 37        |         | 13  | 50        |
| PPMP_66-MW23R | 25-Oct-23   | 680-242317     | SW8260D | Trichloroethene          | µg/L  | 120       |         | 100       |         | 18  | 50        |
| PPMP_66-MW23R | 25-Oct-23   | 680-242317     | SW8260D | Vinyl Chloride           | µg/L  | 5.7       |         | 5         |         | 13  | 50        |
| PPMP_66-MW23R | 25-Oct-23   | 680-242317     | SW9060A | Total Organic Carbon     | mg/L  | 5.7       |         | 5.8       |         | 2   | 50        |
| PPMP_66-MW23R | 25-Oct-23   | 680-242317     | RSK-175 | Ethane                   | µg/L  | 0.76      |         | 0.83      |         | 9   | 50        |
| PPMP_66-MW23R | 25-Oct-23   | 680-242317     | RSK-175 | Ethene                   | µg/L  | 1.3       |         | 1.3       |         | 0   | 50        |
| PPMP_66-MW23R | 25-Oct-23   | 680-242317     | RSK-175 | Methane                  | µg/L  | 36        |         | 42        |         | 15  | 50        |

**Notes:**

FD - Field Duplicate

NS - Normal Sample

µg/L - microgram per liter

mg/L- milligrams per liter

RPD - Relative Percent Difference

-- - Not applicable

Highlight indicates RPD above criteria. (If applicable)

**Flags:**

J - Detection is Estimated. Result between the method detection limit and reporting limit.

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ms. Betty Van Pelt  
Matrix Environmental Services, LLC  
707 17th Street  
Suite 3150  
Denver, Colorado 80202  
Generated 11/22/2023 3:49:02 PM

## JOB DESCRIPTION

Parcel 66(7), Fmr Small Weapons Repair Shop

## JOB NUMBER

680-242317-1

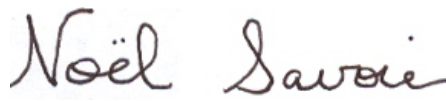
# Eurofins Savannah

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



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Authorized for release by  
Noel Savoie, Project Manager I  
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(850)254-0107

# Definitions/Glossary

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *-        | LCS and/or LCSD is outside acceptance limits, low biased.                                                      |
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.                                                     |
| *3        | ISTD response or retention time outside acceptable limits.                                                     |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| F2        | MS/MSD RPD exceeds control limits                                                                              |
| H         | Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.  |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

### GC VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

### General Chemistry

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ⌘              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

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# Sample Summary

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 680-242317-1  | PPMP-66-MW04     | Water  | 10/23/23 10:15 | 10/27/23 10:02 |
| 680-242317-2  | PPMP-66-MW11     | Water  | 10/23/23 11:20 | 10/27/23 10:02 |
| 680-242317-3  | PPMP-66-MW07     | Water  | 10/23/23 12:35 | 10/27/23 10:02 |
| 680-242317-4  | PPMP-66-MW13     | Water  | 10/23/23 15:05 | 10/27/23 10:02 |
| 680-242317-5  | PPMP-66-MW17     | Water  | 10/24/23 12:55 | 10/27/23 10:02 |
| 680-242317-6  | PPMP-66-MW18R    | Water  | 10/24/23 14:10 | 10/27/23 10:02 |
| 680-242317-7  | PPMP-66-MW01     | Water  | 10/24/23 09:00 | 10/27/23 10:02 |
| 680-242317-8  | DUP428           | Water  | 10/23/23 00:00 | 10/27/23 10:02 |
| 680-242317-9  | TB 616           | Water  | 10/26/23 08:35 | 10/27/23 10:02 |
| 680-242317-10 | PPMP-66-MW22     | Water  | 10/24/23 10:20 | 10/27/23 10:02 |
| 680-242317-11 | PPMP-66-MW16     | Water  | 10/24/23 11:30 | 10/27/23 10:02 |
| 680-242317-12 | PPMP-66-MW08     | Water  | 10/25/23 08:30 | 10/27/23 10:02 |
| 680-242317-13 | PPMP-66-MW23R    | Water  | 10/25/23 14:25 | 10/27/23 10:02 |
| 680-242317-14 | PPMP-66-MW02RR   | Water  | 10/25/23 09:35 | 10/27/23 10:02 |
| 680-242317-15 | PPMP-66-MW24R    | Water  | 10/24/23 16:35 | 10/27/23 10:02 |
| 680-242317-16 | PPMP-66-MW14     | Water  | 10/23/23 16:35 | 10/27/23 10:02 |
| 680-242317-17 | PPMP-66-MW06R    | Water  | 10/25/23 15:45 | 10/27/23 10:02 |
| 680-242317-18 | DUP427           | Water  | 10/25/23 00:00 | 10/27/23 10:02 |
| 680-242317-19 | EB 150           | Water  | 10/26/23 08:23 | 10/27/23 10:02 |
| 680-242317-20 | MATERIAL 117     | Water  | 10/26/23 08:30 | 10/27/23 10:02 |

# Case Narrative

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Job ID: 680-242317-1**

**Laboratory: Eurofins Savannah**

## Narrative

### Job Narrative 680-242317-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

## Receipt

The samples were received on 10/27/2023 10:02 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C

## GC/MS VOA

Method 8260D: Reanalysis of the following samples was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. CCV recovered low for 1,1-Dichloroethene and Vinyl chloride. Methylene chloride presumed lab contaminant. PPMP-66-MW23R (680-242317-13), PPMP-66-MW02RR (680-242317-14), PPMP-66-MW06R (680-242317-17) and DUP427 (680-242317-18)

Method 8260D: The laboratory control sample (LCS) associated with batch 400-648802 recovered outside control limits for Dichlorodifluoromethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported. The limits pass in the matrix spike/matrix spike duplicate (MS/MSD).

Method 8260D: The matrix spike/matrix spike duplicate (MS/MSD) and %RPD recoveries for analytical batch 400-648802 were outside advisory control limits for several analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-649352 recovered outside control limits for the following analyte: Hexachlorobutadiene. This analyte was biased high in the LCS and was below the reporting limit in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-650746 recovered outside control limits for the following analyte: Hexachlorobutadiene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW04

Lab Sample ID: 680-242317-1

Date Collected: 10/23/23 10:15

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/06/23 09:47 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/06/23 09:47 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/06/23 09:47 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 09:47 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/06/23 09:47 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/06/23 09:47 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/06/23 09:47 | 1       |
| Dichlorodifluoromethane     | 0.85   | U *       | 1.0 | 0.85 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 09:47 | 1       |
| cis-1,2-Dichloroethene      | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/06/23 09:47 | 1       |
| trans-1,2-Dichloroethene    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,1-Dichloroethene          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,3-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 2,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,1-Dichloropropene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| cis-1,3-Dichloropropene     | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| trans-1,3-Dichloropropene   | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Ethylbenzene                | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Hexachlorobutadiene         | 0.90   | U         | 5.0 | 0.90 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 2-Hexanone                  | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/06/23 09:47 | 1       |
| Iodomethane                 | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Isopropylbenzene            | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/06/23 09:47 | 1       |
| p-Isopropyltoluene          | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Methylene Chloride          | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 09:47 | 1       |
| 4-Methyl-2-pentanone (MIBK) | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/06/23 09:47 | 1       |
| Methyl tert-butyl ether     | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/06/23 09:47 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW04

Lab Sample ID: 680-242317-1

Date Collected: 10/23/23 10:15

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 09:47 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/06/23 09:47 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Vinyl chloride                        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:47 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/06/23 09:47 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/06/23 09:47 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/06/23 09:47 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 109       |           | 72 - 130 |          | 11/06/23 09:47 | 1       |
| Dibromofluoromethane         | 95        |           | 75 - 126 |          | 11/06/23 09:47 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 64 - 132 |          | 11/06/23 09:47 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 92        |           | 67 - 134 |          | 11/06/23 09:47 | 1       |

Client Sample ID: PPMP-66-MW11

Lab Sample ID: 680-242317-2

Date Collected: 10/23/23 11:20

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte              | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone              | 10     | U         | 25  | 10   | ug/L |   |          | 11/06/23 10:11 | 1       |
| Acrylonitrile        | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/06/23 10:11 | 1       |
| Benzene              | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Bromobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Bromochloromethane   | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Bromodichloromethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Bromoform            | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Bromomethane         | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 2-Butanone (MEK)     | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/06/23 10:11 | 1       |
| n-Butylbenzene       | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 10:11 | 1       |
| sec-Butylbenzene     | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/06/23 10:11 | 1       |
| tert-Butylbenzene    | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Carbon disulfide     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Carbon tetrachloride | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Chlorobenzene        | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:11 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW11

Lab Sample ID: 680-242317-2

Date Collected: 10/23/23 11:20

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloroethane                          | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Chloroform                            | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Chloromethane                         | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 2-Chlorotoluene                       | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 4-Chlorotoluene                       | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Dibromochloromethane                  | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,2-Dibromo-3-Chloropropane           | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,2-Dibromoethane                     | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Dibromomethane                        | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,2-Dichlorobenzene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,3-Dichlorobenzene                   | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,4-Dichlorobenzene                   | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/06/23 10:11 | 1       |
| trans-1,4-Dichloro-2-butene           | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/06/23 10:11 | 1       |
| Dichlorodifluoromethane               | 0.85   | U *       | 1.0 | 0.85 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,1-Dichloroethane                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,2-Dichloroethane                    | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 10:11 | 1       |
| cis-1,2-Dichloroethene                | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/06/23 10:11 | 1       |
| trans-1,2-Dichloroethene              | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,1-Dichloroethene                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,3-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 2,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,1-Dichloropropene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| cis-1,3-Dichloropropene               | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| trans-1,3-Dichloropropene             | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Ethylbenzene                          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Hexachlorobutadiene                   | 0.90   | U         | 5.0 | 0.90 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 2-Hexanone                            | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/06/23 10:11 | 1       |
| Iodomethane                           | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Isopropylbenzene                      | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/06/23 10:11 | 1       |
| p-Isopropyltoluene                    | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Methylene Chloride                    | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 10:11 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/06/23 10:11 | 1       |
| Methyl tert-butyl ether               | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 10:11 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Client Sample ID: PPMP-66-MW11**

**Lab Sample ID: 680-242317-2**

**Date Collected: 10/23/23 11:20**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,2,4-Trimethylbenzene | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/06/23 10:11 | 1       |
| 1,3,5-Trimethylbenzene | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Vinyl acetate          | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Vinyl chloride         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:11 | 1       |
| o-Xylene               | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/06/23 10:11 | 1       |
| m-Xylene & p-Xylene    | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/06/23 10:11 | 1       |
| Xylenes, Total         | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/06/23 10:11 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 112       |           | 72 - 130 |          | 11/06/23 10:11 | 1       |
| Dibromofluoromethane         | 91        |           | 75 - 126 |          | 11/06/23 10:11 | 1       |
| Toluene-d8 (Surr)            | 109       |           | 64 - 132 |          | 11/06/23 10:11 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 85        |           | 67 - 134 |          | 11/06/23 10:11 | 1       |

**Client Sample ID: PPMP-66-MW07**

**Lab Sample ID: 680-242317-3**

**Date Collected: 10/23/23 12:35**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/06/23 10:32 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/06/23 10:32 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Bromobenzene                | 0.54   | U *3      | 1.0 | 0.54 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Bromoform                   | 0.25   | U *3      | 5.0 | 0.25 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/06/23 10:32 | 1       |
| n-Butylbenzene              | 0.76   | U *3      | 1.0 | 0.76 | ug/L |   |          | 11/06/23 10:32 | 1       |
| sec-Butylbenzene            | 0.70   | U *3      | 1.0 | 0.70 | ug/L |   |          | 11/06/23 10:32 | 1       |
| tert-Butylbenzene           | 0.63   | U *3      | 1.0 | 0.63 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 2-Chlorotoluene             | 0.57   | U *3      | 1.0 | 0.57 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 4-Chlorotoluene             | 0.56   | U *3      | 1.0 | 0.56 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U *3      | 5.0 | 1.5  | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U *3      | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U *3      | 1.0 | 0.54 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U *3      | 1.0 | 0.64 | ug/L |   |          | 11/06/23 10:32 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U *3      | 5.0 | 1.0  | ug/L |   |          | 11/06/23 10:32 | 1       |
| Dichlorodifluoromethane     | 0.85   | U *-      | 1.0 | 0.85 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW07

Lab Sample ID: 680-242317-3

Date Collected: 10/23/23 12:35

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,2-Dichloroethane                    | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 10:32 | 1       |
| cis-1,2-Dichloroethene                | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/06/23 10:32 | 1       |
| trans-1,2-Dichloroethene              | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,1-Dichloroethene                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,3-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 2,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,1-Dichloropropene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| cis-1,3-Dichloropropene               | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| trans-1,3-Dichloropropene             | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Ethylbenzene                          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Hexachlorobutadiene                   | 0.90   | U *3      | 5.0 | 0.90 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 2-Hexanone                            | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/06/23 10:32 | 1       |
| Iodomethane                           | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Isopropylbenzene                      | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/06/23 10:32 | 1       |
| p-Isopropyltoluene                    | 0.71   | U *3      | 1.0 | 0.71 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Methylene Chloride                    | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 10:32 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/06/23 10:32 | 1       |
| Methyl tert-butyl ether               | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Naphthalene                           | 3.0    | U *3      | 5.0 | 3.0  | ug/L |   |          | 11/06/23 10:32 | 1       |
| N-Propylbenzene                       | 0.69   | U *3      | 1.0 | 0.69 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U *3      | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U *3      | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U *3      | 1.0 | 0.82 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U *3      | 5.0 | 0.84 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U *3      | 1.0 | 0.82 | ug/L |   |          | 11/06/23 10:32 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U *3      | 1.0 | 0.56 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Vinyl chloride                        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:32 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/06/23 10:32 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/06/23 10:32 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/06/23 10:32 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 127       | *3        | 72 - 130 |          | 11/06/23 10:32 | 1       |
| Dibromofluoromethane         | 96        |           | 75 - 126 |          | 11/06/23 10:32 | 1       |
| Toluene-d8 (Surr)            | 117       |           | 64 - 132 |          | 11/06/23 10:32 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 93        |           | 67 - 134 |          | 11/06/23 10:32 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Client Sample ID: PPMP-66-MW13**

**Lab Sample ID: 680-242317-4**

**Date Collected: 10/23/23 15:05**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U F1      | 25  | 10   | ug/L |   |          | 11/06/23 09:25 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/06/23 09:25 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Bromoform                   | 0.25   | U F1      | 5.0 | 0.25 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Bromomethane                | 0.98   | U F2      | 1.0 | 0.98 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/06/23 09:25 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 09:25 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/06/23 09:25 | 1       |
| tert-Butylbenzene           | 0.63   | U F2      | 1.0 | 0.63 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Chloroethane                | 0.76   | U F2      | 1.0 | 0.76 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Chloromethane               | 0.90   | U F1      | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U F1      | 5.0 | 1.5  | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/06/23 09:25 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/06/23 09:25 | 1       |
| Dichlorodifluoromethane     | 0.85   | U F2 *-   | 1.0 | 0.85 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 09:25 | 1       |
| cis-1,2-Dichloroethene      | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/06/23 09:25 | 1       |
| trans-1,2-Dichloroethene    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,1-Dichloroethene          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,3-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 2,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,1-Dichloropropene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| cis-1,3-Dichloropropene     | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| trans-1,3-Dichloropropene   | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Ethylbenzene                | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Hexachlorobutadiene         | 0.90   | U         | 5.0 | 0.90 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 2-Hexanone                  | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/06/23 09:25 | 1       |
| Iodomethane                 | 0.90   | U F2      | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Isopropylbenzene            | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/06/23 09:25 | 1       |
| p-Isopropyltoluene          | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Methylene Chloride          | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 09:25 | 1       |
| 4-Methyl-2-pentanone (MIBK) | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/06/23 09:25 | 1       |
| Methyl tert-butyl ether     | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/06/23 09:25 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW13

Lab Sample ID: 680-242317-4

Date Collected: 10/23/23 15:05

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 09:25 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Trichlorofluoromethane                | 0.52   | U F2      | 1.0 | 0.52 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/06/23 09:25 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Vinyl chloride                        | 0.50   | U F2      | 1.0 | 0.50 | ug/L |   |          | 11/06/23 09:25 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/06/23 09:25 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/06/23 09:25 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/06/23 09:25 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 101       |           | 72 - 130 |          | 11/06/23 09:25 | 1       |
| Dibromofluoromethane         | 91        |           | 75 - 126 |          | 11/06/23 09:25 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 64 - 132 |          | 11/06/23 09:25 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 89        |           | 67 - 134 |          | 11/06/23 09:25 | 1       |

Client Sample ID: PPMP-66-MW17

Lab Sample ID: 680-242317-5

Date Collected: 10/24/23 12:55

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte              | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone              | 10     | U         | 25  | 10   | ug/L |   |          | 11/07/23 14:20 | 1       |
| Acrylonitrile        | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/07/23 14:20 | 1       |
| Benzene              | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Bromobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Bromochloromethane   | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Bromodichloromethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Bromoform            | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Bromomethane         | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 2-Butanone (MEK)     | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/07/23 14:20 | 1       |
| n-Butylbenzene       | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 14:20 | 1       |
| sec-Butylbenzene     | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/07/23 14:20 | 1       |
| tert-Butylbenzene    | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Carbon disulfide     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Carbon tetrachloride | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Chlorobenzene        | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:20 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW17

Lab Sample ID: 680-242317-5

Date Collected: 10/24/23 12:55

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloroethane                          | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Chloroform                            | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Chloromethane                         | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 2-Chlorotoluene                       | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 4-Chlorotoluene                       | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Dibromochloromethane                  | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,2-Dibromo-3-Chloropropane           | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,2-Dibromoethane                     | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Dibromomethane                        | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,2-Dichlorobenzene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,3-Dichlorobenzene                   | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,4-Dichlorobenzene                   | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/07/23 14:20 | 1       |
| trans-1,4-Dichloro-2-butene           | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/07/23 14:20 | 1       |
| Dichlorodifluoromethane               | 0.85   | U         | 1.0 | 0.85 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,1-Dichloroethane                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,2-Dichloroethane                    | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 14:20 | 1       |
| cis-1,2-Dichloroethene                | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/07/23 14:20 | 1       |
| trans-1,2-Dichloroethene              | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,1-Dichloroethene                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,3-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 2,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,1-Dichloropropene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| cis-1,3-Dichloropropene               | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| trans-1,3-Dichloropropene             | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Ethylbenzene                          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Hexachlorobutadiene                   | 0.90   | U         | 5.0 | 0.90 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 2-Hexanone                            | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/07/23 14:20 | 1       |
| Iodomethane                           | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Isopropylbenzene                      | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/07/23 14:20 | 1       |
| p-Isopropyltoluene                    | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Methylene Chloride                    | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 14:20 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/07/23 14:20 | 1       |
| Methyl tert-butyl ether               | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 14:20 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Client Sample ID: PPMP-66-MW17**

**Lab Sample ID: 680-242317-5**

**Date Collected: 10/24/23 12:55**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,2,4-Trimethylbenzene | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 14:20 | 1       |
| 1,3,5-Trimethylbenzene | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Vinyl acetate          | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Vinyl chloride         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:20 | 1       |
| o-Xylene               | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/07/23 14:20 | 1       |
| m-Xylene & p-Xylene    | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/07/23 14:20 | 1       |
| Xylenes, Total         | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/07/23 14:20 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 100       |           | 72 - 130 |          | 11/07/23 14:20 | 1       |
| Dibromofluoromethane         | 90        |           | 75 - 126 |          | 11/07/23 14:20 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 64 - 132 |          | 11/07/23 14:20 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 67 - 134 |          | 11/07/23 14:20 | 1       |

**Client Sample ID: PPMP-66-MW18R**

**Lab Sample ID: 680-242317-6**

**Date Collected: 10/24/23 14:10**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/07/23 14:38 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/07/23 14:38 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/07/23 14:38 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 14:38 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/07/23 14:38 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/07/23 14:38 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/07/23 14:38 | 1       |
| Dichlorodifluoromethane     | 0.85   | U         | 1.0 | 0.85 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW18R

Lab Sample ID: 680-242317-6

Date Collected: 10/24/23 14:10

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result      | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-------------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,2-Dichloroethane                    | 0.19        | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 14:38 | 1       |
| <b>cis-1,2-Dichloroethene</b>         | <b>0.25</b> | <b>J</b>  | 1.0 | 0.20 | ug/L |   |          | 11/07/23 14:38 | 1       |
| trans-1,2-Dichloroethene              | 0.50        | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,1-Dichloroethene                    | 0.50        | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,2-Dichloropropane                   | 0.50        | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,3-Dichloropropane                   | 0.50        | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 2,2-Dichloropropane                   | 0.50        | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,1-Dichloropropene                   | 0.50        | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| cis-1,3-Dichloropropene               | 0.50        | U         | 5.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| trans-1,3-Dichloropropene             | 0.20        | U         | 5.0 | 0.20 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Ethylbenzene                          | 0.50        | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Hexachlorobutadiene                   | 0.90        | U         | 5.0 | 0.90 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 2-Hexanone                            | 1.4         | U         | 25  | 1.4  | ug/L |   |          | 11/07/23 14:38 | 1       |
| Iodomethane                           | 0.90        | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Isopropylbenzene                      | 0.53        | U         | 1.0 | 0.53 | ug/L |   |          | 11/07/23 14:38 | 1       |
| p-Isopropyltoluene                    | 0.71        | U         | 1.0 | 0.71 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Methylene Chloride                    | 3.0         | U         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 14:38 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8         | U         | 25  | 1.8  | ug/L |   |          | 11/07/23 14:38 | 1       |
| Methyl tert-butyl ether               | 0.22        | U         | 1.0 | 0.22 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Naphthalene                           | 3.0         | U         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 14:38 | 1       |
| N-Propylbenzene                       | 0.69        | U         | 1.0 | 0.69 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Styrene                               | 1.0         | U         | 1.0 | 1.0  | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16        | U         | 1.0 | 0.16 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50        | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Tetrachloroethylene                   | 0.90        | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Toluene                               | 0.90        | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90        | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82        | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,1,1-Trichloroethane                 | 0.18        | U         | 1.0 | 0.18 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,1,2-Trichloroethane                 | 0.21        | U         | 5.0 | 0.21 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Trichloroethene                       | 0.15        | U         | 1.0 | 0.15 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Trichlorofluoromethane                | 0.52        | U         | 1.0 | 0.52 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,2,3-Trichloropropane                | 0.84        | U         | 5.0 | 0.84 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50        | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82        | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 14:38 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56        | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Vinyl acetate                         | 0.93        | U         | 25  | 0.93 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Vinyl chloride                        | 0.50        | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:38 | 1       |
| o-Xylene                              | 0.60        | U         | 5.0 | 0.60 | ug/L |   |          | 11/07/23 14:38 | 1       |
| m-Xylene & p-Xylene                   | 0.63        | U         | 5.0 | 0.63 | ug/L |   |          | 11/07/23 14:38 | 1       |
| Xylenes, Total                        | 1.6         | U         | 10  | 1.6  | ug/L |   |          | 11/07/23 14:38 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 97        |           | 72 - 130 |          | 11/07/23 14:38 | 1       |
| Dibromofluoromethane         | 92        |           | 75 - 126 |          | 11/07/23 14:38 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 64 - 132 |          | 11/07/23 14:38 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 67 - 134 |          | 11/07/23 14:38 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW01

Lab Sample ID: 680-242317-7

Date Collected: 10/24/23 09:00

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/07/23 14:57 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/07/23 14:57 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/07/23 14:57 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 14:57 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/07/23 14:57 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/07/23 14:57 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/07/23 14:57 | 1       |
| Dichlorodifluoromethane     | 0.85   | U         | 1.0 | 0.85 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 14:57 | 1       |
| cis-1,2-Dichloroethene      | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/07/23 14:57 | 1       |
| trans-1,2-Dichloroethene    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,1-Dichloroethene          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,3-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 2,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,1-Dichloropropene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| cis-1,3-Dichloropropene     | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| trans-1,3-Dichloropropene   | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Ethylbenzene                | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Hexachlorobutadiene         | 0.90   | U         | 5.0 | 0.90 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 2-Hexanone                  | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/07/23 14:57 | 1       |
| Iodomethane                 | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Isopropylbenzene            | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/07/23 14:57 | 1       |
| p-Isopropyltoluene          | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Methylene Chloride          | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 14:51 | 1       |
| 4-Methyl-2-pentanone (MIBK) | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/07/23 14:57 | 1       |
| Methyl tert-butyl ether     | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/07/23 14:57 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Client Sample ID: PPMP-66-MW01**

**Lab Sample ID: 680-242317-7**

**Date Collected: 10/24/23 09:00**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 14:57 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 14:57 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Vinyl chloride                        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:57 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/07/23 14:57 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/07/23 14:57 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/07/23 14:57 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 113       |           | 72 - 130 |          | 11/06/23 14:51 | 1       |
| 4-Bromofluorobenzene         | 102       |           | 72 - 130 |          | 11/07/23 14:57 | 1       |
| Dibromofluoromethane         | 93        |           | 75 - 126 |          | 11/06/23 14:51 | 1       |
| Dibromofluoromethane         | 94        |           | 75 - 126 |          | 11/07/23 14:57 | 1       |
| Toluene-d8 (Surr)            | 106       |           | 64 - 132 |          | 11/06/23 14:51 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 64 - 132 |          | 11/07/23 14:57 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 94        |           | 67 - 134 |          | 11/06/23 14:51 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 67 - 134 |          | 11/07/23 14:57 | 1       |

**Client Sample ID: DUP428**

**Lab Sample ID: 680-242317-8**

**Date Collected: 10/23/23 00:00**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte              | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone              | 10     | U         | 25  | 10   | ug/L |   |          | 11/06/23 10:55 | 1       |
| Acrylonitrile        | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/06/23 10:55 | 1       |
| Benzene              | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Bromobenzene         | 0.54   | U *3      | 1.0 | 0.54 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Bromochloromethane   | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Bromodichloromethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Bromoform            | 0.25   | U *3      | 5.0 | 0.25 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Bromomethane         | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 2-Butanone (MEK)     | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/06/23 10:55 | 1       |
| n-Butylbenzene       | 0.76   | U *3      | 1.0 | 0.76 | ug/L |   |          | 11/06/23 10:55 | 1       |
| sec-Butylbenzene     | 0.70   | U *3      | 1.0 | 0.70 | ug/L |   |          | 11/06/23 10:55 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: DUP428

Lab Sample ID: 680-242317-8

Date Collected: 10/23/23 00:00

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| tert-Butylbenzene           | 0.63   | U *3      | 1.0 | 0.63 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 2-Chlorotoluene             | 0.57   | U *3      | 1.0 | 0.57 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 4-Chlorotoluene             | 0.56   | U *3      | 1.0 | 0.56 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U *3      | 5.0 | 1.5  | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U *3      | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U *3      | 1.0 | 0.54 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U *3      | 1.0 | 0.64 | ug/L |   |          | 11/06/23 10:55 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U *3      | 5.0 | 1.0  | ug/L |   |          | 11/06/23 10:55 | 1       |
| Dichlorodifluoromethane     | 0.85   | U *-      | 1.0 | 0.85 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 10:55 | 1       |
| cis-1,2-Dichloroethene      | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/06/23 10:55 | 1       |
| trans-1,2-Dichloroethene    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,1-Dichloroethene          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,3-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 2,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,1-Dichloropropene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| cis-1,3-Dichloropropene     | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| trans-1,3-Dichloropropene   | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Ethylbenzene                | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Hexachlorobutadiene         | 0.90   | U *3      | 5.0 | 0.90 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 2-Hexanone                  | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/06/23 10:55 | 1       |
| Iodomethane                 | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Isopropylbenzene            | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/06/23 10:55 | 1       |
| p-Isopropyltoluene          | 0.71   | U *3      | 1.0 | 0.71 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Methylene Chloride          | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 10:55 | 1       |
| 4-Methyl-2-pentanone (MIBK) | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/06/23 10:55 | 1       |
| Methyl tert-butyl ether     | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Naphthalene                 | 3.0    | U *3      | 5.0 | 3.0  | ug/L |   |          | 11/06/23 10:55 | 1       |
| N-Propylbenzene             | 0.69   | U *3      | 1.0 | 0.69 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Styrene                     | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,1,1,2-Tetrachloroethane   | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,1,1,2,2-Tetrachloroethane | 0.50   | U *3      | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Tetrachloroethylene         | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Toluene                     | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,2,3-Trichlorobenzene      | 0.90   | U *3      | 1.0 | 0.90 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,2,4-Trichlorobenzene      | 0.82   | U *3      | 1.0 | 0.82 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,1,1-Trichloroethane       | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,1,2-Trichloroethane       | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/06/23 10:55 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Client Sample ID: DUP428**

**Lab Sample ID: 680-242317-8**

**Date Collected: 10/23/23 00:00**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U *3      | 5.0 | 0.84 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U *3      | 1.0 | 0.82 | ug/L |   |          | 11/06/23 10:55 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U *3      | 1.0 | 0.56 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Vinyl chloride                        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 10:55 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/06/23 10:55 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/06/23 10:55 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/06/23 10:55 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 127       | *3        | 72 - 130 |          | 11/06/23 10:55 | 1       |
| Dibromofluoromethane         | 95        |           | 75 - 126 |          | 11/06/23 10:55 | 1       |
| Toluene-d8 (Surr)            | 121       |           | 64 - 132 |          | 11/06/23 10:55 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 92        |           | 67 - 134 |          | 11/06/23 10:55 | 1       |

**Client Sample ID: TB 616**

**Lab Sample ID: 680-242317-9**

**Date Collected: 10/26/23 08:35**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/09/23 13:51 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/09/23 13:51 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/09/23 13:51 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/09/23 13:51 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/09/23 13:51 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/09/23 13:51 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: TB 616

Lab Sample ID: 680-242317-9

Date Collected: 10/26/23 08:35

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,4-Dichlorobenzene                   | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/09/23 13:51 | 1       |
| trans-1,4-Dichloro-2-butene           | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/09/23 13:51 | 1       |
| Dichlorodifluoromethane               | 0.85   | U         | 1.0 | 0.85 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,1-Dichloroethane                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,2-Dichloroethane                    | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/09/23 13:51 | 1       |
| cis-1,2-Dichloroethene                | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/09/23 13:51 | 1       |
| trans-1,2-Dichloroethene              | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,1-Dichloroethene                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,3-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 2,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,1-Dichloropropene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| cis-1,3-Dichloropropene               | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| trans-1,3-Dichloropropene             | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Ethylbenzene                          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Hexachlorobutadiene                   | 0.90   | U *+      | 5.0 | 0.90 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 2-Hexanone                            | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/09/23 13:51 | 1       |
| Iodomethane                           | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Isopropylbenzene                      | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/09/23 13:51 | 1       |
| p-Isopropyltoluene                    | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/09/23 13:51 | 1       |
| Methyl tert-butyl ether               | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/09/23 13:51 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/09/23 13:51 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Vinyl chloride                        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 13:51 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/09/23 13:51 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/09/23 13:51 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/09/23 13:51 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 111       |           | 72 - 130 |          | 11/09/23 13:51 | 1       |
| Dibromofluoromethane         | 94        |           | 75 - 126 |          | 11/09/23 13:51 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 64 - 132 |          | 11/09/23 13:51 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 95        |           | 67 - 134 |          | 11/09/23 13:51 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Client Sample ID: TB 616**

**Date Collected: 10/26/23 08:35**

**Date Received: 10/27/23 10:02**

**Lab Sample ID: 680-242317-9**

**Matrix: Water**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

| Analyte                      | Result    | Qualifier | RL       | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Methylene Chloride           | 3.0       | U         | 5.0      | 3.0 | ug/L |   |          | 11/09/23 17:21 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene         | 109       |           | 72 - 130 |     |      |   |          | 11/09/23 17:21 | 1       |
| Dibromofluoromethane         | 96        |           | 75 - 126 |     |      |   |          | 11/09/23 17:21 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 64 - 132 |     |      |   |          | 11/09/23 17:21 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 94        |           | 67 - 134 |     |      |   |          | 11/09/23 17:21 | 1       |

**Client Sample ID: PPMP-66-MW22**

**Date Collected: 10/24/23 10:20**

**Date Received: 10/27/23 10:02**

**Lab Sample ID: 680-242317-10**

**Matrix: Water**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/06/23 15:15 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/06/23 15:15 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/06/23 15:15 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 15:15 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/06/23 15:15 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/06/23 15:15 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/06/23 15:15 | 1       |
| Dichlorodifluoromethane     | 0.85   | U *       | 1.0 | 0.85 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 15:15 | 1       |
| cis-1,2-Dichloroethene      | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/06/23 15:15 | 1       |
| trans-1,2-Dichloroethene    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,1-Dichloroethene          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,3-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW22

Lab Sample ID: 680-242317-10

Date Collected: 10/24/23 10:20

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 2,2-Dichloropropane                   | 0.50      | U         | 1.0      | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,1-Dichloropropene                   | 0.50      | U         | 1.0      | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| cis-1,3-Dichloropropene               | 0.50      | U         | 5.0      | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| trans-1,3-Dichloropropene             | 0.20      | U         | 5.0      | 0.20 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Ethylbenzene                          | 0.50      | U         | 1.0      | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Hexachlorobutadiene                   | 0.90      | U         | 5.0      | 0.90 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 2-Hexanone                            | 1.4       | U         | 25       | 1.4  | ug/L |   |          | 11/06/23 15:15 | 1       |
| Iodomethane                           | 0.90      | U         | 1.0      | 0.90 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Isopropylbenzene                      | 0.53      | U         | 1.0      | 0.53 | ug/L |   |          | 11/06/23 15:15 | 1       |
| p-Isopropyltoluene                    | 0.71      | U         | 1.0      | 0.71 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Methylene Chloride                    | 3.0       | U         | 5.0      | 3.0  | ug/L |   |          | 11/06/23 15:15 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8       | U         | 25       | 1.8  | ug/L |   |          | 11/06/23 15:15 | 1       |
| Methyl tert-butyl ether               | 0.22      | U         | 1.0      | 0.22 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Naphthalene                           | 3.0       | U         | 5.0      | 3.0  | ug/L |   |          | 11/06/23 15:15 | 1       |
| N-Propylbenzene                       | 0.69      | U         | 1.0      | 0.69 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Styrene                               | 1.0       | U         | 1.0      | 1.0  | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16      | U         | 1.0      | 0.16 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,1,1,2,2-Tetrachloroethane           | 0.50      | U         | 1.0      | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Tetrachloroethylene                   | 0.90      | U         | 1.0      | 0.90 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Toluene                               | 0.90      | U         | 1.0      | 0.90 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90      | U         | 1.0      | 0.90 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82      | U         | 1.0      | 0.82 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,1,1-Trichloroethane                 | 0.18      | U         | 1.0      | 0.18 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,1,2-Trichloroethane                 | 0.21      | U         | 5.0      | 0.21 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Trichloroethene                       | 0.15      | U         | 1.0      | 0.15 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Trichlorofluoromethane                | 0.52      | U         | 1.0      | 0.52 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,2,3-Trichloropropane                | 0.84      | U         | 5.0      | 0.84 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50      | U         | 1.0      | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82      | U         | 1.0      | 0.82 | ug/L |   |          | 11/06/23 15:15 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56      | U         | 1.0      | 0.56 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Vinyl acetate                         | 0.93      | U         | 25       | 0.93 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Vinyl chloride                        | 0.50      | U         | 1.0      | 0.50 | ug/L |   |          | 11/06/23 15:15 | 1       |
| o-Xylene                              | 0.60      | U         | 5.0      | 0.60 | ug/L |   |          | 11/06/23 15:15 | 1       |
| m-Xylene & p-Xylene                   | 0.63      | U         | 5.0      | 0.63 | ug/L |   |          | 11/06/23 15:15 | 1       |
| Xylenes, Total                        | 1.6       | U         | 10       | 1.6  | ug/L |   |          | 11/06/23 15:15 | 1       |
| Surrogate                             | %Recovery | Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene                  | 111       |           | 72 - 130 |      |      |   |          | 11/06/23 15:15 | 1       |
| Dibromofluoromethane                  | 95        |           | 75 - 126 |      |      |   |          | 11/06/23 15:15 | 1       |
| Toluene-d8 (Surr)                     | 106       |           | 64 - 132 |      |      |   |          | 11/06/23 15:15 | 1       |
| 1,2-Dichloroethane-d4 (Surr)          | 92        |           | 67 - 134 |      |      |   |          | 11/06/23 15:15 | 1       |

Client Sample ID: PPMP-66-MW16

Lab Sample ID: 680-242317-11

Date Collected: 10/24/23 11:30

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte       | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Acetone       | 10     | U         | 25 | 10  | ug/L |   |          | 11/06/23 15:39 | 1       |
| Acrylonitrile | 2.8    | U         | 10 | 2.8 | ug/L |   |          | 11/06/23 15:39 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW16

Lab Sample ID: 680-242317-11

Date Collected: 10/24/23 11:30

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/06/23 15:39 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 15:39 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/06/23 15:39 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/06/23 15:39 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/06/23 15:39 | 1       |
| Dichlorodifluoromethane     | 0.85   | U *-      | 1.0 | 0.85 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 15:39 | 1       |
| cis-1,2-Dichloroethene      | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/06/23 15:39 | 1       |
| trans-1,2-Dichloroethene    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,1-Dichloroethene          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,3-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 2,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,1-Dichloropropene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| cis-1,3-Dichloropropene     | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| trans-1,3-Dichloropropene   | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Ethylbenzene                | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Hexachlorobutadiene         | 0.90   | U         | 5.0 | 0.90 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 2-Hexanone                  | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/06/23 15:39 | 1       |
| Iodomethane                 | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Isopropylbenzene            | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/06/23 15:39 | 1       |
| p-Isopropyltoluene          | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Methylene Chloride          | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 15:39 | 1       |
| 4-Methyl-2-pentanone (MIBK) | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/06/23 15:39 | 1       |
| Methyl tert-butyl ether     | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Naphthalene                 | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 15:39 | 1       |
| N-Propylbenzene             | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/06/23 15:39 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW16

Lab Sample ID: 680-242317-11

Date Collected: 10/24/23 11:30

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/06/23 15:39 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Vinyl chloride                        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 15:39 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/06/23 15:39 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/06/23 15:39 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/06/23 15:39 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 111       |           | 72 - 130 |          | 11/06/23 15:39 | 1       |
| Dibromofluoromethane         | 94        |           | 75 - 126 |          | 11/06/23 15:39 | 1       |
| Toluene-d8 (Surr)            | 110       |           | 64 - 132 |          | 11/06/23 15:39 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 93        |           | 67 - 134 |          | 11/06/23 15:39 | 1       |

Client Sample ID: PPMP-66-MW08

Lab Sample ID: 680-242317-12

Date Collected: 10/25/23 08:30

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte              | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone              | 10     | U         | 25  | 10   | ug/L |   |          | 11/07/23 15:15 | 1       |
| Acrylonitrile        | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/07/23 15:15 | 1       |
| Benzene              | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Bromobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Bromochloromethane   | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Bromodichloromethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Bromoform            | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Bromomethane         | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 2-Butanone (MEK)     | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/07/23 15:15 | 1       |
| n-Butylbenzene       | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 15:15 | 1       |
| sec-Butylbenzene     | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/07/23 15:15 | 1       |
| tert-Butylbenzene    | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Carbon disulfide     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Carbon tetrachloride | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Chlorobenzene        | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Chloroethane         | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Chloroform           | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:15 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW08

Lab Sample ID: 680-242317-12

Date Collected: 10/25/23 08:30

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloromethane                         | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 2-Chlorotoluene                       | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 4-Chlorotoluene                       | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Dibromochloromethane                  | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,2-Dibromo-3-Chloropropane           | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,2-Dibromoethane                     | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Dibromomethane                        | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,2-Dichlorobenzene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,3-Dichlorobenzene                   | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,4-Dichlorobenzene                   | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/07/23 15:15 | 1       |
| trans-1,4-Dichloro-2-butene           | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/07/23 15:15 | 1       |
| Dichlorodifluoromethane               | 0.85   | U         | 1.0 | 0.85 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,1-Dichloroethane                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,2-Dichloroethane                    | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 15:15 | 1       |
| cis-1,2-Dichloroethene                | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/07/23 15:15 | 1       |
| trans-1,2-Dichloroethene              | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,1-Dichloroethene                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,3-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 2,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,1-Dichloropropene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| cis-1,3-Dichloropropene               | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| trans-1,3-Dichloropropene             | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Ethylbenzene                          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Hexachlorobutadiene                   | 0.90   | U         | 5.0 | 0.90 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 2-Hexanone                            | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/07/23 15:15 | 1       |
| Iodomethane                           | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Isopropylbenzene                      | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/07/23 15:15 | 1       |
| p-Isopropyltoluene                    | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Methylene Chloride                    | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 15:15 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/07/23 15:15 | 1       |
| Methyl tert-butyl ether               | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 15:15 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 15:15 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 15:15 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW08

Lab Sample ID: 680-242317-12

Date Collected: 10/25/23 08:30

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Vinyl acetate       | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Vinyl chloride      | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:15 | 1       |
| o-Xylene            | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/07/23 15:15 | 1       |
| m-Xylene & p-Xylene | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/07/23 15:15 | 1       |
| Xylenes, Total      | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/07/23 15:15 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 103       |           | 72 - 130 |          | 11/07/23 15:15 | 1       |
| Dibromofluoromethane         | 94        |           | 75 - 126 |          | 11/07/23 15:15 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 64 - 132 |          | 11/07/23 15:15 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 67 - 134 |          | 11/07/23 15:15 | 1       |

Client Sample ID: PPMP-66-MW23R

Lab Sample ID: 680-242317-13

Date Collected: 10/25/23 14:25

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/07/23 15:34 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/07/23 15:34 | 1       |
| Benzene                     | 0.56   | J         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/07/23 15:34 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 15:34 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/07/23 15:34 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/07/23 15:34 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/07/23 15:34 | 1       |
| Dichlorodifluoromethane     | 0.85   | U         | 1.0 | 0.85 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,1-Dichloroethane          | 0.91   | J         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 15:34 | 1       |
| cis-1,2-Dichloroethene      | 44     |           | 1.0 | 0.20 | ug/L |   |          | 11/07/23 15:34 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW23R

Lab Sample ID: 680-242317-13

Date Collected: 10/25/23 14:25

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene              | 42     |           | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,1-Dichloroethene                    | 1.4    |           | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,3-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 2,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,1-Dichloropropene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| cis-1,3-Dichloropropene               | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| trans-1,3-Dichloropropene             | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Ethylbenzene                          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Hexachlorobutadiene                   | 0.90   | U         | 5.0 | 0.90 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 2-Hexanone                            | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/07/23 15:34 | 1       |
| Iodomethane                           | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Isopropylbenzene                      | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/07/23 15:34 | 1       |
| p-Isopropyltoluene                    | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Methylene Chloride                    | 3.0    | J         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 15:34 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/07/23 15:34 | 1       |
| Methyl tert-butyl ether               | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 15:34 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Trichloroethene                       | 120    |           | 1.0 | 0.15 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 15:34 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Vinyl chloride                        | 5.7    |           | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:34 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/07/23 15:34 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/07/23 15:34 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/07/23 15:34 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 107       |           | 72 - 130 |          | 11/07/23 15:34 | 1       |
| Dibromofluoromethane         | 96        |           | 75 - 126 |          | 11/07/23 15:34 | 1       |
| Toluene-d8 (Surr)            | 106       |           | 64 - 132 |          | 11/07/23 15:34 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 67 - 134 |          | 11/07/23 15:34 | 1       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

| Analyte            | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1-Dichloroethene | 1.6    | H         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 09:28 | 1       |
| Methylene Chloride | 3.0    | U H       | 5.0 | 3.0  | ug/L |   |          | 11/17/23 09:28 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW23R

Lab Sample ID: 680-242317-13

Date Collected: 10/25/23 14:25

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA (Continued)

| Analyte                      | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Vinyl chloride               | 6.1       | H         | 1.0      | 0.50 | ug/L |   |          | 11/17/23 09:28 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene         | 116       |           | 72 - 130 |      |      |   |          | 11/17/23 09:28 | 1       |
| Dibromofluoromethane         | 98        |           | 75 - 126 |      |      |   |          | 11/17/23 09:28 | 1       |
| Toluene-d8 (Surr)            | 107       |           | 64 - 132 |      |      |   |          | 11/17/23 09:28 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 67 - 134 |      |      |   |          | 11/17/23 09:28 | 1       |

## Method: RSK-175 - Dissolved Gases (GC)

| Analyte | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Ethane  | 0.76   | J         | 1.1  | 0.30 | ug/L |   |          | 11/03/23 19:58 | 1       |
| Ethene  | 1.3    |           | 1.0  | 0.31 | ug/L |   |          | 11/03/23 19:58 | 1       |
| Methane | 36     |           | 0.58 | 0.57 | ug/L |   |          | 11/03/23 19:58 | 1       |

## General Chemistry

| Analyte                                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon (SW846 9060A)        | 5.7    |           | 1.0 | 0.50 | mg/L |   |          | 11/11/23 00:03 | 1       |
| Total Organic Carbon - Quad (SW846 9060A) | 5.7    |           | 1.0 | 0.50 | mg/L |   |          | 11/11/23 00:03 | 1       |

Client Sample ID: PPMP-66-MW02RR

Lab Sample ID: 680-242317-14

Date Collected: 10/25/23 09:35

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/07/23 15:52 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/07/23 15:52 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/07/23 15:52 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 15:52 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/07/23 15:52 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/07/23 15:52 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW02RR

Lab Sample ID: 680-242317-14

Date Collected: 10/25/23 09:35

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,2-Dichlorobenzene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,3-Dichlorobenzene                   | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,4-Dichlorobenzene                   | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/07/23 15:52 | 1       |
| trans-1,4-Dichloro-2-butene           | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/07/23 15:52 | 1       |
| Dichlorodifluoromethane               | 0.85   | U         | 1.0 | 0.85 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,1-Dichloroethane                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,2-Dichloroethane                    | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 15:52 | 1       |
| cis-1,2-Dichloroethene                | 8.8    |           | 1.0 | 0.20 | ug/L |   |          | 11/07/23 15:52 | 1       |
| trans-1,2-Dichloroethene              | 1.1    |           | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,1-Dichloroethene                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,3-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 2,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,1-Dichloropropene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| cis-1,3-Dichloropropene               | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| trans-1,3-Dichloropropene             | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Ethylbenzene                          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Hexachlorobutadiene                   | 0.90   | U         | 5.0 | 0.90 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 2-Hexanone                            | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/07/23 15:52 | 1       |
| Iodomethane                           | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Isopropylbenzene                      | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/07/23 15:52 | 1       |
| p-Isopropyltoluene                    | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Methylene Chloride                    | 3.0    | J         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 15:52 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/07/23 15:52 | 1       |
| Methyl tert-butyl ether               | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 15:52 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Trichloroethene                       | 1.1    |           | 1.0 | 0.15 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 15:52 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Vinyl chloride                        | 11     |           | 1.0 | 0.50 | ug/L |   |          | 11/07/23 15:52 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/07/23 15:52 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/07/23 15:52 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/07/23 15:52 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 104       |           | 72 - 130 |          | 11/07/23 15:52 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW02RR

Lab Sample ID: 680-242317-14

Date Collected: 10/25/23 09:35

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Dibromofluoromethane         | 96        |           | 75 - 126 |          | 11/07/23 15:52 | 1       |
| Toluene-d8 (Surr)            | 107       |           | 64 - 132 |          | 11/07/23 15:52 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 67 - 134 |          | 11/07/23 15:52 | 1       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

| Analyte            | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Methylene Chloride | 3.0    | U H       | 5.0 | 3.0  | ug/L |   |          | 11/17/23 09:51 | 1       |
| Vinyl chloride     | 14     | H         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 09:51 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 122       |           | 72 - 130 |          | 11/17/23 09:51 | 1       |
| Dibromofluoromethane         | 102       |           | 75 - 126 |          | 11/17/23 09:51 | 1       |
| Toluene-d8 (Surr)            | 110       |           | 64 - 132 |          | 11/17/23 09:51 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 67 - 134 |          | 11/17/23 09:51 | 1       |

## Method: RSK-175 - Dissolved Gases (GC)

| Analyte | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Ethane  | 0.45   | J         | 1.1  | 0.30 | ug/L |   |          | 11/03/23 20:11 | 1       |
| Ethene  | 0.95   | J         | 1.0  | 0.31 | ug/L |   |          | 11/03/23 20:11 | 1       |
| Methane | 27     |           | 0.58 | 0.57 | ug/L |   |          | 11/03/23 20:11 | 1       |

## General Chemistry

| Analyte                                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon (SW846 9060A)        | 3.5    |           | 1.0 | 0.50 | mg/L |   |          | 11/11/23 00:20 | 1       |
| Total Organic Carbon - Quad (SW846 9060A) | 3.5    |           | 1.0 | 0.50 | mg/L |   |          | 11/11/23 00:20 | 1       |

Client Sample ID: PPMP-66-MW24R

Lab Sample ID: 680-242317-15

Date Collected: 10/24/23 16:35

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte              | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone              | 10     | U         | 25  | 10   | ug/L |   |          | 11/06/23 16:01 | 1       |
| Acrylonitrile        | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/06/23 16:01 | 1       |
| Benzene              | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Bromobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Bromochloromethane   | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Bromodichloromethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Bromoform            | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Bromomethane         | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 2-Butanone (MEK)     | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/06/23 16:01 | 1       |
| n-Butylbenzene       | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 16:01 | 1       |
| sec-Butylbenzene     | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/06/23 16:01 | 1       |
| tert-Butylbenzene    | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Carbon disulfide     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Carbon tetrachloride | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Chlorobenzene        | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Chloroethane         | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Chloroform           | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 16:01 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW24R

Lab Sample ID: 680-242317-15

Date Collected: 10/24/23 16:35

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Chloromethane                         | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 2-Chlorotoluene                       | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 4-Chlorotoluene                       | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Dibromochloromethane                  | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,2-Dibromo-3-Chloropropane           | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,2-Dibromoethane                     | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Dibromomethane                        | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,2-Dichlorobenzene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,3-Dichlorobenzene                   | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,4-Dichlorobenzene                   | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/06/23 16:01 | 1       |
| trans-1,4-Dichloro-2-butene           | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/06/23 16:01 | 1       |
| Dichlorodifluoromethane               | 0.85   | U *       | 1.0 | 0.85 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,1-Dichloroethane                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,2-Dichloroethane                    | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 16:01 | 1       |
| cis-1,2-Dichloroethene                | 0.66   | J         | 1.0 | 0.20 | ug/L |   |          | 11/06/23 16:01 | 1       |
| trans-1,2-Dichloroethene              | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,1-Dichloroethene                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,3-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 2,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,1-Dichloropropene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| cis-1,3-Dichloropropene               | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| trans-1,3-Dichloropropene             | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Ethylbenzene                          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Hexachlorobutadiene                   | 0.90   | U         | 5.0 | 0.90 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 2-Hexanone                            | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/06/23 16:01 | 1       |
| Iodomethane                           | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Isopropylbenzene                      | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/06/23 16:01 | 1       |
| p-Isopropyltoluene                    | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Methylene Chloride                    | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 16:01 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/06/23 16:01 | 1       |
| Methyl tert-butyl ether               | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 16:01 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Trichloroethene                       | 0.31   | J         | 1.0 | 0.15 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/06/23 16:01 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 16:01 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Client Sample ID: PPMP-66-MW24R**

**Lab Sample ID: 680-242317-15**

**Date Collected: 10/24/23 16:35**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Vinyl acetate       | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Vinyl chloride      | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 16:01 | 1       |
| o-Xylene            | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/06/23 16:01 | 1       |
| m-Xylene & p-Xylene | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/06/23 16:01 | 1       |
| Xylenes, Total      | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/06/23 16:01 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 112       |           | 72 - 130 |          | 11/06/23 16:01 | 1       |
| Dibromofluoromethane         | 96        |           | 75 - 126 |          | 11/06/23 16:01 | 1       |
| Toluene-d8 (Surr)            | 109       |           | 64 - 132 |          | 11/06/23 16:01 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 95        |           | 67 - 134 |          | 11/06/23 16:01 | 1       |

**Client Sample ID: PPMP-66-MW14**

**Lab Sample ID: 680-242317-16**

**Date Collected: 10/23/23 16:35**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/06/23 11:18 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/06/23 11:18 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/06/23 11:18 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 11:18 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/06/23 11:18 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/06/23 11:18 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/06/23 11:18 | 1       |
| Dichlorodifluoromethane     | 0.85   | U *       | 1.0 | 0.85 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/06/23 11:18 | 1       |
| cis-1,2-Dichloroethene      | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/06/23 11:18 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW14

Lab Sample ID: 680-242317-16

Date Collected: 10/23/23 16:35

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene              | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,1-Dichloroethene                    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,3-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 2,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,1-Dichloropropene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| cis-1,3-Dichloropropene               | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| trans-1,3-Dichloropropene             | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Ethylbenzene                          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Hexachlorobutadiene                   | 0.90   | U         | 5.0 | 0.90 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 2-Hexanone                            | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/06/23 11:18 | 1       |
| Iodomethane                           | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Isopropylbenzene                      | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/06/23 11:18 | 1       |
| p-Isopropyltoluene                    | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Methylene Chloride                    | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 11:18 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/06/23 11:18 | 1       |
| Methyl tert-butyl ether               | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/06/23 11:18 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/06/23 11:18 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Vinyl chloride                        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/06/23 11:18 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/06/23 11:18 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/06/23 11:18 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/06/23 11:18 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 115       |           | 72 - 130 |          | 11/06/23 11:18 | 1       |
| Dibromofluoromethane         | 94        |           | 75 - 126 |          | 11/06/23 11:18 | 1       |
| Toluene-d8 (Surr)            | 111       |           | 64 - 132 |          | 11/06/23 11:18 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 90        |           | 67 - 134 |          | 11/06/23 11:18 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW06R

Lab Sample ID: 680-242317-17

Date Collected: 10/25/23 15:45

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/07/23 17:06 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/07/23 17:06 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/07/23 17:06 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 17:06 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/07/23 17:06 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/07/23 17:06 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/07/23 17:06 | 1       |
| Dichlorodifluoromethane     | 0.85   | U         | 1.0 | 0.85 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 17:06 | 1       |
| cis-1,2-Dichloroethene      | 4.6    |           | 1.0 | 0.20 | ug/L |   |          | 11/07/23 17:06 | 1       |
| trans-1,2-Dichloroethene    | 2.0    |           | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,1-Dichloroethene          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,3-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 2,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,1-Dichloropropene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| cis-1,3-Dichloropropene     | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| trans-1,3-Dichloropropene   | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Ethylbenzene                | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Hexachlorobutadiene         | 0.90   | U         | 5.0 | 0.90 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 2-Hexanone                  | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/07/23 17:06 | 1       |
| Iodomethane                 | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Isopropylbenzene            | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/07/23 17:06 | 1       |
| p-Isopropyltoluene          | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Methylene Chloride          | 3.0    | J         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 17:06 | 1       |
| 4-Methyl-2-pentanone (MIBK) | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/07/23 17:06 | 1       |
| Methyl tert-butyl ether     | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/07/23 17:06 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: PPMP-66-MW06R

Lab Sample ID: 680-242317-17

Date Collected: 10/25/23 15:45

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 17:06 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Trichloroethene                       | 25     |           | 1.0 | 0.15 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 17:06 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Vinyl chloride                        | 0.55   | J         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:06 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/07/23 17:06 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/07/23 17:06 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/07/23 17:06 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 104       |           | 72 - 130 |          | 11/07/23 17:06 | 1       |
| Dibromofluoromethane         | 92        |           | 75 - 126 |          | 11/07/23 17:06 | 1       |
| Toluene-d8 (Surr)            | 106       |           | 64 - 132 |          | 11/07/23 17:06 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 67 - 134 |          | 11/07/23 17:06 | 1       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

| Analyte            | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Methylene Chloride | 3.0    | U H       | 5.0 | 3.0  | ug/L |   |          | 11/17/23 10:13 | 1       |
| Vinyl chloride     | 0.63   | J H       | 1.0 | 0.50 | ug/L |   |          | 11/17/23 10:13 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 112       |           | 72 - 130 |          | 11/17/23 10:13 | 1       |
| Dibromofluoromethane         | 101       |           | 75 - 126 |          | 11/17/23 10:13 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 64 - 132 |          | 11/17/23 10:13 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 67 - 134 |          | 11/17/23 10:13 | 1       |

## Method: RSK-175 - Dissolved Gases (GC)

| Analyte | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Ethane  | 0.45   | J         | 1.1  | 0.30 | ug/L |   |          | 11/03/23 20:24 | 1       |
| Ethene  | 0.32   | J         | 1.0  | 0.31 | ug/L |   |          | 11/03/23 20:24 | 1       |
| Methane | 84     |           | 0.58 | 0.57 | ug/L |   |          | 11/03/23 20:24 | 1       |

## General Chemistry

| Analyte                            | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon (SW846 9060A) | 2.3    |           | 1.0 | 0.50 | mg/L |   |          | 11/11/23 00:38 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Client Sample ID: PPMP-66-MW06R**

**Lab Sample ID: 680-242317-17**

**Date Collected: 10/25/23 15:45**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## General Chemistry (Continued)

| Analyte                                      | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon - Quad<br>(SW846 9060A) | 2.3    |           | 1.0 | 0.50 | mg/L |   |          | 11/11/23 00:38 | 1       |

**Client Sample ID: DUP427**

**Lab Sample ID: 680-242317-18**

**Date Collected: 10/25/23 00:00**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/07/23 17:24 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/07/23 17:24 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/07/23 17:24 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 17:24 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/07/23 17:24 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/07/23 17:24 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/07/23 17:24 | 1       |
| Dichlorodifluoromethane     | 0.85   | U         | 1.0 | 0.85 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,1-Dichloroethane          | 0.85   | J         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/07/23 17:24 | 1       |
| cis-1,2-Dichloroethene      | 38     |           | 1.0 | 0.20 | ug/L |   |          | 11/07/23 17:24 | 1       |
| trans-1,2-Dichloroethene    | 37     |           | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,1-Dichloroethene          | 1.2    |           | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,3-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 2,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,1-Dichloropropene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| cis-1,3-Dichloropropene     | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| trans-1,3-Dichloropropene   | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Ethylbenzene                | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: DUP427

Lab Sample ID: 680-242317-18

Date Collected: 10/25/23 00:00

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result     | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Hexachlorobutadiene                   | 0.90       | U         | 5.0 | 0.90 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 2-Hexanone                            | 1.4        | U         | 25  | 1.4  | ug/L |   |          | 11/07/23 17:24 | 1       |
| Iodomethane                           | 0.90       | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Isopropylbenzene                      | 0.53       | U         | 1.0 | 0.53 | ug/L |   |          | 11/07/23 17:24 | 1       |
| p-Isopropyltoluene                    | 0.71       | U         | 1.0 | 0.71 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Methylene Chloride                    | 3.0        | U         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 17:24 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8        | U         | 25  | 1.8  | ug/L |   |          | 11/07/23 17:24 | 1       |
| Methyl tert-butyl ether               | 0.22       | U         | 1.0 | 0.22 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Naphthalene                           | 3.0        | U         | 5.0 | 3.0  | ug/L |   |          | 11/07/23 17:24 | 1       |
| N-Propylbenzene                       | 0.69       | U         | 1.0 | 0.69 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Styrene                               | 1.0        | U         | 1.0 | 1.0  | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16       | U         | 1.0 | 0.16 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50       | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Tetrachloroethylene                   | 0.90       | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Toluene                               | 0.90       | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90       | U         | 1.0 | 0.90 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82       | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,1,1-Trichloroethane                 | 0.18       | U         | 1.0 | 0.18 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,1,2-Trichloroethane                 | 0.21       | U         | 5.0 | 0.21 | ug/L |   |          | 11/07/23 17:24 | 1       |
| <b>Trichloroethene</b>                | <b>100</b> |           | 1.0 | 0.15 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Trichlorofluoromethane                | 0.52       | U         | 1.0 | 0.52 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,2,3-Trichloropropane                | 0.84       | U         | 5.0 | 0.84 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50       | U         | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82       | U         | 1.0 | 0.82 | ug/L |   |          | 11/07/23 17:24 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56       | U         | 1.0 | 0.56 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Vinyl acetate                         | 0.93       | U         | 25  | 0.93 | ug/L |   |          | 11/07/23 17:24 | 1       |
| <b>Vinyl chloride</b>                 | <b>5.0</b> |           | 1.0 | 0.50 | ug/L |   |          | 11/07/23 17:24 | 1       |
| o-Xylene                              | 0.60       | U         | 5.0 | 0.60 | ug/L |   |          | 11/07/23 17:24 | 1       |
| m-Xylene & p-Xylene                   | 0.63       | U         | 5.0 | 0.63 | ug/L |   |          | 11/07/23 17:24 | 1       |
| Xylenes, Total                        | 1.6        | U         | 10  | 1.6  | ug/L |   |          | 11/07/23 17:24 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 111       |           | 72 - 130 |          | 11/07/23 17:24 | 1       |
| Dibromofluoromethane         | 94        |           | 75 - 126 |          | 11/07/23 17:24 | 1       |
| Toluene-d8 (Surr)            | 108       |           | 64 - 132 |          | 11/07/23 17:24 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 67 - 134 |          | 11/07/23 17:24 | 1       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

| Analyte                   | Result     | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| <b>1,1-Dichloroethene</b> | <b>1.2</b> | <b>H</b>  | 1.0 | 0.50 | ug/L |   |          | 11/17/23 10:35 | 1       |
| Methylene Chloride        | 3.0        | U H       | 5.0 | 3.0  | ug/L |   |          | 11/17/23 10:35 | 1       |
| <b>Vinyl chloride</b>     | <b>4.7</b> | <b>H</b>  | 1.0 | 0.50 | ug/L |   |          | 11/17/23 10:35 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 115       |           | 72 - 130 |          | 11/17/23 10:35 | 1       |
| Dibromofluoromethane         | 101       |           | 75 - 126 |          | 11/17/23 10:35 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 64 - 132 |          | 11/17/23 10:35 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 102       |           | 67 - 134 |          | 11/17/23 10:35 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: DUP427

Lab Sample ID: 680-242317-18

Date Collected: 10/25/23 00:00

Matrix: Water

Date Received: 10/27/23 10:02

## Method: RSK-175 - Dissolved Gases (GC)

| Analyte | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Ethane  | 0.83   | J         | 1.1  | 0.30 | ug/L |   |          | 11/03/23 20:37 | 1       |
| Ethene  | 1.3    |           | 1.0  | 0.31 | ug/L |   |          | 11/03/23 20:37 | 1       |
| Methane | 42     |           | 0.58 | 0.57 | ug/L |   |          | 11/03/23 20:37 | 1       |

## General Chemistry

| Analyte                                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon (SW846 9060A)        | 5.8    |           | 1.0 | 0.50 | mg/L |   |          | 11/11/23 00:54 | 1       |
| Total Organic Carbon - Quad (SW846 9060A) | 5.8    |           | 1.0 | 0.50 | mg/L |   |          | 11/11/23 00:54 | 1       |

Client Sample ID: EB 150

Lab Sample ID: 680-242317-19

Date Collected: 10/26/23 08:23

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/09/23 14:13 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/09/23 14:13 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/09/23 14:13 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/09/23 14:13 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/09/23 14:13 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/09/23 14:13 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/09/23 14:13 | 1       |
| Dichlorodifluoromethane     | 0.85   | U         | 1.0 | 0.85 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/09/23 14:13 | 1       |
| cis-1,2-Dichloroethene      | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/09/23 14:13 | 1       |
| trans-1,2-Dichloroethene    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,1-Dichloroethene          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |

Eurofins Savannah

# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: EB 150

Lab Sample ID: 680-242317-19

Date Collected: 10/26/23 08:23

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,3-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 2,2-Dichloropropane                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,1-Dichloropropene                   | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| cis-1,3-Dichloropropene               | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| trans-1,3-Dichloropropene             | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Ethylbenzene                          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Hexachlorobutadiene                   | 0.90   | U *+      | 5.0 | 0.90 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 2-Hexanone                            | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/09/23 14:13 | 1       |
| Iodomethane                           | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Isopropylbenzene                      | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/09/23 14:13 | 1       |
| p-Isopropyltoluene                    | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Methylene Chloride                    | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/09/23 14:13 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/09/23 14:13 | 1       |
| Methyl tert-butyl ether               | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/09/23 14:13 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/09/23 14:13 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Vinyl chloride                        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:13 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/09/23 14:13 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/09/23 14:13 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/09/23 14:13 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 105       |           | 72 - 130 |          | 11/09/23 14:13 | 1       |
| Dibromofluoromethane         | 96        |           | 75 - 126 |          | 11/09/23 14:13 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 64 - 132 |          | 11/09/23 14:13 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 67 - 134 |          | 11/09/23 14:13 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: MATERIAL 117

Lab Sample ID: 680-242317-20

Date Collected: 10/26/23 08:30

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/09/23 14:37 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/09/23 14:37 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/09/23 14:37 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/09/23 14:37 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/09/23 14:37 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/09/23 14:37 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/09/23 14:37 | 1       |
| Dichlorodifluoromethane     | 0.85   | U         | 1.0 | 0.85 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/09/23 14:37 | 1       |
| cis-1,2-Dichloroethene      | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/09/23 14:37 | 1       |
| trans-1,2-Dichloroethene    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,1-Dichloroethene          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,3-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 2,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,1-Dichloropropene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| cis-1,3-Dichloropropene     | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| trans-1,3-Dichloropropene   | 0.20   | U         | 5.0 | 0.20 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Ethylbenzene                | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Hexachlorobutadiene         | 0.90   | U *+      | 5.0 | 0.90 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 2-Hexanone                  | 1.4    | U         | 25  | 1.4  | ug/L |   |          | 11/09/23 14:37 | 1       |
| Iodomethane                 | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Isopropylbenzene            | 0.53   | U         | 1.0 | 0.53 | ug/L |   |          | 11/09/23 14:37 | 1       |
| p-Isopropyltoluene          | 0.71   | U         | 1.0 | 0.71 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Methylene Chloride          | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/09/23 14:37 | 1       |
| 4-Methyl-2-pentanone (MIBK) | 1.8    | U         | 25  | 1.8  | ug/L |   |          | 11/09/23 14:37 | 1       |
| Methyl tert-butyl ether     | 0.22   | U         | 1.0 | 0.22 | ug/L |   |          | 11/09/23 14:37 | 1       |

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# Client Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

Client Sample ID: MATERIAL 117

Lab Sample ID: 680-242317-20

Date Collected: 10/26/23 08:30

Matrix: Water

Date Received: 10/27/23 10:02

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Naphthalene                           | 3.0    | U         | 5.0 | 3.0  | ug/L |   |          | 11/09/23 14:37 | 1       |
| N-Propylbenzene                       | 0.69   | U         | 1.0 | 0.69 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Styrene                               | 1.0    | U         | 1.0 | 1.0  | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16   | U         | 1.0 | 0.16 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Tetrachloroethylene                   | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Toluene                               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,1,1-Trichloroethane                 | 0.18   | U         | 1.0 | 0.18 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,1,2-Trichloroethane                 | 0.21   | U         | 5.0 | 0.21 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Trichloroethene                       | 0.15   | U         | 1.0 | 0.15 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Trichlorofluoromethane                | 0.52   | U         | 1.0 | 0.52 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,2,3-Trichloropropane                | 0.84   | U         | 5.0 | 0.84 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82   | U         | 1.0 | 0.82 | ug/L |   |          | 11/09/23 14:37 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Vinyl acetate                         | 0.93   | U         | 25  | 0.93 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Vinyl chloride                        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/09/23 14:37 | 1       |
| o-Xylene                              | 0.60   | U         | 5.0 | 0.60 | ug/L |   |          | 11/09/23 14:37 | 1       |
| m-Xylene & p-Xylene                   | 0.63   | U         | 5.0 | 0.63 | ug/L |   |          | 11/09/23 14:37 | 1       |
| Xylenes, Total                        | 1.6    | U         | 10  | 1.6  | ug/L |   |          | 11/09/23 14:37 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 113       |           | 72 - 130 |          | 11/09/23 14:37 | 1       |
| Dibromofluoromethane         | 96        |           | 75 - 126 |          | 11/09/23 14:37 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 64 - 132 |          | 11/09/23 14:37 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 67 - 134 |          | 11/09/23 14:37 | 1       |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-648802/5

Matrix: Water

Analysis Batch: 648802

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Acetone                     | 10        | U            | 25  | 10   | ug/L |   |          | 11/06/23 08:37 | 1       |
| Acrylonitrile               | 2.8       | U            | 10  | 2.8  | ug/L |   |          | 11/06/23 08:37 | 1       |
| Benzene                     | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Bromobenzene                | 0.54      | U            | 1.0 | 0.54 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Bromochloromethane          | 0.21      | U            | 1.0 | 0.21 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Bromodichloromethane        | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Bromoform                   | 0.25      | U            | 5.0 | 0.25 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Bromomethane                | 0.98      | U            | 1.0 | 0.98 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 2-Butanone (MEK)            | 2.6       | U            | 25  | 2.6  | ug/L |   |          | 11/06/23 08:37 | 1       |
| n-Butylbenzene              | 0.76      | U            | 1.0 | 0.76 | ug/L |   |          | 11/06/23 08:37 | 1       |
| sec-Butylbenzene            | 0.70      | U            | 1.0 | 0.70 | ug/L |   |          | 11/06/23 08:37 | 1       |
| tert-Butylbenzene           | 0.63      | U            | 1.0 | 0.63 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Carbon disulfide            | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Carbon tetrachloride        | 0.19      | U            | 1.0 | 0.19 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Chlorobenzene               | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Chloroethane                | 0.76      | U            | 1.0 | 0.76 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Chloroform                  | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Chloromethane               | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 2-Chlorotoluene             | 0.57      | U            | 1.0 | 0.57 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 4-Chlorotoluene             | 0.56      | U            | 1.0 | 0.56 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Dibromochloromethane        | 0.24      | U            | 1.0 | 0.24 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5       | U            | 5.0 | 1.5  | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,2-Dibromoethane           | 0.23      | U            | 1.0 | 0.23 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Dibromomethane              | 0.22      | U            | 5.0 | 0.22 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,2-Dichlorobenzene         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,3-Dichlorobenzene         | 0.54      | U            | 1.0 | 0.54 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,4-Dichlorobenzene         | 0.64      | U            | 1.0 | 0.64 | ug/L |   |          | 11/06/23 08:37 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0       | U            | 5.0 | 1.0  | ug/L |   |          | 11/06/23 08:37 | 1       |
| Dichlorodifluoromethane     | 0.85      | U            | 1.0 | 0.85 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,1-Dichloroethane          | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,2-Dichloroethane          | 0.19      | U            | 1.0 | 0.19 | ug/L |   |          | 11/06/23 08:37 | 1       |
| cis-1,2-Dichloroethene      | 0.20      | U            | 1.0 | 0.20 | ug/L |   |          | 11/06/23 08:37 | 1       |
| trans-1,2-Dichloroethene    | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,1-Dichloroethene          | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,2-Dichloropropane         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,3-Dichloropropane         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 2,2-Dichloropropane         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,1-Dichloropropene         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| cis-1,3-Dichloropropene     | 0.50      | U            | 5.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| trans-1,3-Dichloropropene   | 0.20      | U            | 5.0 | 0.20 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Ethylbenzene                | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Hexachlorobutadiene         | 0.90      | U            | 5.0 | 0.90 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 2-Hexanone                  | 1.4       | U            | 25  | 1.4  | ug/L |   |          | 11/06/23 08:37 | 1       |
| Iodomethane                 | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Isopropylbenzene            | 0.53      | U            | 1.0 | 0.53 | ug/L |   |          | 11/06/23 08:37 | 1       |
| p-Isopropyltoluene          | 0.71      | U            | 1.0 | 0.71 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Methylene Chloride          | 3.0       | U            | 5.0 | 3.0  | ug/L |   |          | 11/06/23 08:37 | 1       |
| 4-Methyl-2-pentanone (MIBK) | 1.8       | U            | 25  | 1.8  | ug/L |   |          | 11/06/23 08:37 | 1       |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-648802/5

Matrix: Water

Analysis Batch: 648802

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Methyl tert-butyl ether               | 0.22      | U            | 1.0 | 0.22 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Naphthalene                           | 3.0       | U            | 5.0 | 3.0  | ug/L |   |          | 11/06/23 08:37 | 1       |
| N-Propylbenzene                       | 0.69      | U            | 1.0 | 0.69 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Styrene                               | 1.0       | U            | 1.0 | 1.0  | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16      | U            | 1.0 | 0.16 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Tetrachloroethylene                   | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Toluene                               | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82      | U            | 1.0 | 0.82 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,1,1-Trichloroethane                 | 0.18      | U            | 1.0 | 0.18 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,1,2-Trichloroethane                 | 0.21      | U            | 5.0 | 0.21 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Trichloroethene                       | 0.15      | U            | 1.0 | 0.15 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Trichlorofluoromethane                | 0.52      | U            | 1.0 | 0.52 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,2,3-Trichloropropane                | 0.84      | U            | 5.0 | 0.84 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82      | U            | 1.0 | 0.82 | ug/L |   |          | 11/06/23 08:37 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56      | U            | 1.0 | 0.56 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Vinyl acetate                         | 0.93      | U            | 25  | 0.93 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Vinyl chloride                        | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/06/23 08:37 | 1       |
| o-Xylene                              | 0.60      | U            | 5.0 | 0.60 | ug/L |   |          | 11/06/23 08:37 | 1       |
| m-Xylene & p-Xylene                   | 0.63      | U            | 5.0 | 0.63 | ug/L |   |          | 11/06/23 08:37 | 1       |
| Xylenes, Total                        | 1.6       | U            | 10  | 1.6  | ug/L |   |          | 11/06/23 08:37 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 104          |              | 72 - 130 |          | 11/06/23 08:37 | 1       |
| Dibromofluoromethane         | 92           |              | 75 - 126 |          | 11/06/23 08:37 | 1       |
| Toluene-d8 (Surr)            | 104          |              | 64 - 132 |          | 11/06/23 08:37 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 90           |              | 67 - 134 |          | 11/06/23 08:37 | 1       |

Lab Sample ID: LCS 400-648802/1002

Matrix: Water

Analysis Batch: 648802

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|------|---|------|-------------|
| Acetone              | 200         | 232        |               | ug/L |   | 116  | 43 - 160    |
| Acrylonitrile        | 500         | 550        |               | ug/L |   | 110  | 64 - 142    |
| Benzene              | 50.0        | 47.5       |               | ug/L |   | 95   | 70 - 130    |
| Bromobenzene         | 50.0        | 52.2       |               | ug/L |   | 104  | 70 - 132    |
| Bromochloromethane   | 50.0        | 45.3       |               | ug/L |   | 91   | 70 - 130    |
| Bromodichloromethane | 50.0        | 48.2       |               | ug/L |   | 96   | 67 - 133    |
| Bromoform            | 50.0        | 58.9       |               | ug/L |   | 118  | 57 - 140    |
| Bromomethane         | 25.0        | 18.9       |               | ug/L |   | 75   | 10 - 160    |
| 2-Butanone (MEK)     | 200         | 256        |               | ug/L |   | 128  | 61 - 145    |
| n-Butylbenzene       | 50.0        | 51.3       |               | ug/L |   | 103  | 67 - 130    |
| sec-Butylbenzene     | 50.0        | 49.2       |               | ug/L |   | 98   | 66 - 130    |
| tert-Butylbenzene    | 50.0        | 53.5       |               | ug/L |   | 107  | 64 - 139    |
| Carbon disulfide     | 50.0        | 36.5       |               | ug/L |   | 73   | 61 - 137    |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-648802/1002

Matrix: Water

Analysis Batch: 648802

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Carbon tetrachloride        | 50.0        | 43.4       |               | ug/L |   | 87   | 61 - 137    |
| Chlorobenzene               | 50.0        | 50.2       |               | ug/L |   | 100  | 70 - 130    |
| Chloroethane                | 25.0        | 16.3       |               | ug/L |   | 65   | 55 - 141    |
| Chloroform                  | 50.0        | 44.4       |               | ug/L |   | 89   | 69 - 130    |
| Chloromethane               | 25.0        | 17.0       |               | ug/L |   | 68   | 58 - 137    |
| 2-Chlorotoluene             | 50.0        | 49.8       |               | ug/L |   | 100  | 70 - 130    |
| 4-Chlorotoluene             | 50.0        | 48.3       |               | ug/L |   | 97   | 70 - 130    |
| Dibromochloromethane        | 50.0        | 50.9       |               | ug/L |   | 102  | 67 - 135    |
| 1,2-Dibromo-3-Chloropropane | 50.0        | 55.8       |               | ug/L |   | 112  | 54 - 135    |
| 1,2-Dibromoethane           | 50.0        | 49.6       |               | ug/L |   | 99   | 70 - 130    |
| Dibromomethane              | 50.0        | 46.3       |               | ug/L |   | 93   | 70 - 130    |
| 1,2-Dichlorobenzene         | 50.0        | 48.9       |               | ug/L |   | 98   | 67 - 130    |
| 1,3-Dichlorobenzene         | 50.0        | 50.4       |               | ug/L |   | 101  | 70 - 130    |
| 1,4-Dichlorobenzene         | 50.0        | 49.9       |               | ug/L |   | 100  | 70 - 130    |
| trans-1,4-Dichloro-2-butene | 50.0        | 48.0       |               | ug/L |   | 96   | 57 - 140    |
| Dichlorodifluoromethane     | 25.0        | 9.16       | *-            | ug/L |   | 37   | 41 - 146    |
| 1,1-Dichloroethane          | 50.0        | 48.2       |               | ug/L |   | 96   | 70 - 130    |
| 1,2-Dichloroethane          | 50.0        | 42.2       |               | ug/L |   | 84   | 69 - 130    |
| cis-1,2-Dichloroethene      | 50.0        | 49.1       |               | ug/L |   | 98   | 68 - 130    |
| trans-1,2-Dichloroethene    | 50.0        | 45.6       |               | ug/L |   | 91   | 70 - 130    |
| 1,1-Dichloroethene          | 50.0        | 40.3       |               | ug/L |   | 81   | 63 - 134    |
| 1,2-Dichloropropane         | 50.0        | 52.5       |               | ug/L |   | 105  | 70 - 130    |
| 1,3-Dichloropropane         | 50.0        | 52.2       |               | ug/L |   | 104  | 70 - 130    |
| 2,2-Dichloropropane         | 50.0        | 43.7       |               | ug/L |   | 87   | 52 - 135    |
| 1,1-Dichloropropene         | 50.0        | 46.6       |               | ug/L |   | 93   | 70 - 130    |
| cis-1,3-Dichloropropene     | 50.0        | 50.6       |               | ug/L |   | 101  | 69 - 132    |
| trans-1,3-Dichloropropene   | 50.0        | 51.4       |               | ug/L |   | 103  | 63 - 130    |
| Ethylbenzene                | 50.0        | 51.5       |               | ug/L |   | 103  | 70 - 130    |
| Hexachlorobutadiene         | 50.0        | 65.7       |               | ug/L |   | 131  | 53 - 140    |
| 2-Hexanone                  | 200         | 248        |               | ug/L |   | 124  | 65 - 137    |
| Iodomethane                 | 50.0        | 41.0       |               | ug/L |   | 82   | 27 - 159    |
| Isopropylbenzene            | 50.0        | 48.7       |               | ug/L |   | 97   | 70 - 130    |
| p-Isopropyltoluene          | 50.0        | 49.9       |               | ug/L |   | 100  | 65 - 130    |
| Methylene Chloride          | 50.0        | 43.9       |               | ug/L |   | 88   | 66 - 135    |
| 4-Methyl-2-pentanone (MIBK) | 200         | 209        |               | ug/L |   | 104  | 69 - 138    |
| Methyl tert-butyl ether     | 50.0        | 48.0       |               | ug/L |   | 96   | 66 - 130    |
| Naphthalene                 | 50.0        | 54.8       |               | ug/L |   | 110  | 47 - 149    |
| N-Propylbenzene             | 50.0        | 49.1       |               | ug/L |   | 98   | 70 - 130    |
| Styrene                     | 50.0        | 47.2       |               | ug/L |   | 94   | 70 - 130    |
| 1,1,1,2-Tetrachloroethane   | 50.0        | 49.5       |               | ug/L |   | 99   | 67 - 131    |
| 1,1,2,2-Tetrachloroethane   | 50.0        | 50.4       |               | ug/L |   | 101  | 70 - 131    |
| Tetrachloroethylene         | 50.0        | 48.9       |               | ug/L |   | 98   | 65 - 130    |
| Toluene                     | 50.0        | 52.4       |               | ug/L |   | 105  | 70 - 130    |
| 1,2,3-Trichlorobenzene      | 50.0        | 59.9       |               | ug/L |   | 120  | 60 - 138    |
| 1,2,4-Trichlorobenzene      | 50.0        | 59.6       |               | ug/L |   | 119  | 60 - 140    |
| 1,1,1-Trichloroethane       | 50.0        | 42.7       |               | ug/L |   | 85   | 68 - 130    |
| 1,1,2-Trichloroethane       | 50.0        | 51.6       |               | ug/L |   | 103  | 70 - 130    |
| Trichloroethene             | 50.0        | 46.5       |               | ug/L |   | 93   | 70 - 130    |
| Trichlorofluoromethane      | 25.0        | 16.6       |               | ug/L |   | 66   | 65 - 138    |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-648802/1002

Matrix: Water

Analysis Batch: 648802

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,2,3-Trichloropropane                | 50.0        | 48.8       |               | ug/L |   | 98   | 70 - 130    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 40.3       |               | ug/L |   | 81   | 60 - 139    |
| 1,2,4-Trimethylbenzene                | 50.0        | 49.1       |               | ug/L |   | 98   | 70 - 130    |
| 1,3,5-Trimethylbenzene                | 50.0        | 49.5       |               | ug/L |   | 99   | 69 - 130    |
| Vinyl acetate                         | 50.0        | 45.6       |               | ug/L |   | 91   | 26 - 160    |
| Vinyl chloride                        | 25.0        | 18.3       |               | ug/L |   | 73   | 59 - 136    |
| o-Xylene                              | 50.0        | 48.8       |               | ug/L |   | 98   | 70 - 130    |
| m-Xylene & p-Xylene                   | 50.0        | 50.8       |               | ug/L |   | 102  | 70 - 130    |
| Xylenes, Total                        | 100         | 99.6       |               | ug/L |   | 100  | 70 - 130    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene         | 105           |               | 72 - 130 |
| Dibromofluoromethane         | 94            |               | 75 - 126 |
| Toluene-d8 (Surr)            | 103           |               | 64 - 132 |
| 1,2-Dichloroethane-d4 (Surr) | 96            |               | 67 - 134 |

Lab Sample ID: 680-242317-4 MS

Matrix: Water

Analysis Batch: 648802

Client Sample ID: PPMP-66-MW13

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Acetone                     | 10            | U F1             | 200         | 70.3      | F1           | ug/L |   | 35   | 43 - 150    |
| Acrylonitrile               | 2.8           | U                | 500         | 490       |              | ug/L |   | 98   | 62 - 149    |
| Benzene                     | 0.50          | U                | 50.0        | 45.6      |              | ug/L |   | 91   | 56 - 142    |
| Bromobenzene                | 0.54          | U                | 50.0        | 48.8      |              | ug/L |   | 98   | 59 - 136    |
| Bromochloromethane          | 0.21          | U                | 50.0        | 42.2      |              | ug/L |   | 84   | 64 - 140    |
| Bromodichloromethane        | 0.50          | U                | 50.0        | 44.1      |              | ug/L |   | 88   | 59 - 143    |
| Bromoform                   | 0.25          | U F1             | 50.0        | 58.4      |              | ug/L |   | 117  | 50 - 140    |
| Bromomethane                | 0.98          | U F2             | 25.0        | 4.78      |              | ug/L |   | 19   | 10 - 150    |
| 2-Butanone (MEK)            | 2.6           | U                | 200         | 127       |              | ug/L |   | 64   | 55 - 150    |
| n-Butylbenzene              | 0.76          | U                | 50.0        | 40.6      |              | ug/L |   | 81   | 41 - 142    |
| sec-Butylbenzene            | 0.70          | U                | 50.0        | 44.0      |              | ug/L |   | 88   | 50 - 138    |
| tert-Butylbenzene           | 0.63          | U F2             | 50.0        | 40.9      |              | ug/L |   | 82   | 54 - 146    |
| Carbon disulfide            | 0.50          | U                | 50.0        | 36.7      |              | ug/L |   | 73   | 48 - 150    |
| Carbon tetrachloride        | 0.19          | U                | 50.0        | 41.9      |              | ug/L |   | 84   | 55 - 145    |
| Chlorobenzene               | 0.90          | U                | 50.0        | 46.4      |              | ug/L |   | 93   | 64 - 130    |
| Chloroethane                | 0.76          | U F2             | 25.0        | 17.5      |              | ug/L |   | 70   | 50 - 150    |
| Chloroform                  | 0.90          | U                | 50.0        | 44.0      |              | ug/L |   | 88   | 60 - 141    |
| Chloromethane               | 0.90          | U F1             | 25.0        | 39.1      | F1           | ug/L |   | 156  | 49 - 148    |
| 2-Chlorotoluene             | 0.57          | U                | 50.0        | 46.5      |              | ug/L |   | 93   | 53 - 134    |
| 4-Chlorotoluene             | 0.56          | U                | 50.0        | 45.4      |              | ug/L |   | 91   | 54 - 133    |
| Dibromochloromethane        | 0.24          | U                | 50.0        | 51.1      |              | ug/L |   | 102  | 56 - 143    |
| 1,2-Dibromo-3-Chloropropane | 1.5           | U F1             | 50.0        | 52.9      |              | ug/L |   | 106  | 45 - 135    |
| 1,2-Dibromoethane           | 0.23          | U                | 50.0        | 48.2      |              | ug/L |   | 96   | 64 - 132    |
| Dibromomethane              | 0.22          | U                | 50.0        | 41.9      |              | ug/L |   | 84   | 63 - 138    |
| 1,2-Dichlorobenzene         | 0.50          | U                | 50.0        | 45.2      |              | ug/L |   | 90   | 52 - 137    |
| 1,3-Dichlorobenzene         | 0.54          | U                | 50.0        | 45.5      |              | ug/L |   | 91   | 54 - 135    |
| 1,4-Dichlorobenzene         | 0.64          | U                | 50.0        | 45.6      |              | ug/L |   | 91   | 53 - 135    |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 680-242317-4 MS

Matrix: Water

Analysis Batch: 648802

Client Sample ID: PPMP-66-MW13

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| trans-1,4-Dichloro-2-butene           | 1.0           | U                | 50.0        | 47.0      |              | ug/L |   | 94   | 43 - 147    |
| Dichlorodifluoromethane               | 0.85          | U F2 *-          | 25.0        | 9.06      |              | ug/L |   | 36   | 16 - 150    |
| 1,1-Dichloroethane                    | 0.50          | U                | 50.0        | 46.5      |              | ug/L |   | 93   | 61 - 144    |
| 1,2-Dichloroethane                    | 0.19          | U                | 50.0        | 37.8      |              | ug/L |   | 76   | 60 - 141    |
| cis-1,2-Dichloroethene                | 0.20          | U                | 50.0        | 44.6      |              | ug/L |   | 89   | 59 - 143    |
| trans-1,2-Dichloroethene              | 0.50          | U                | 50.0        | 43.5      |              | ug/L |   | 87   | 61 - 143    |
| 1,1-Dichloroethene                    | 0.50          | U                | 50.0        | 38.0      |              | ug/L |   | 76   | 54 - 147    |
| 1,2-Dichloropropane                   | 0.50          | U                | 50.0        | 48.6      |              | ug/L |   | 97   | 66 - 137    |
| 1,3-Dichloropropane                   | 0.50          | U                | 50.0        | 51.5      |              | ug/L |   | 103  | 66 - 133    |
| 2,2-Dichloropropane                   | 0.50          | U                | 50.0        | 40.7      |              | ug/L |   | 81   | 42 - 144    |
| 1,1-Dichloropropene                   | 0.50          | U                | 50.0        | 43.2      |              | ug/L |   | 86   | 65 - 136    |
| cis-1,3-Dichloropropene               | 0.50          | U                | 50.0        | 46.1      |              | ug/L |   | 92   | 57 - 140    |
| trans-1,3-Dichloropropene             | 0.20          | U                | 50.0        | 49.1      |              | ug/L |   | 98   | 53 - 133    |
| Ethylbenzene                          | 0.50          | U                | 50.0        | 46.7      |              | ug/L |   | 93   | 58 - 131    |
| Hexachlorobutadiene                   | 0.90          | U                | 50.0        | 48.8      |              | ug/L |   | 98   | 31 - 149    |
| 2-Hexanone                            | 1.4           | U                | 200         | 151       |              | ug/L |   | 76   | 65 - 140    |
| Iodomethane                           | 0.90          | U F2             | 50.0        | 16.4      |              | ug/L |   | 33   | 20 - 150    |
| Isopropylbenzene                      | 0.53          | U                | 50.0        | 43.2      |              | ug/L |   | 86   | 56 - 133    |
| p-Isopropyltoluene                    | 0.71          | U                | 50.0        | 42.5      |              | ug/L |   | 85   | 48 - 139    |
| Methylene Chloride                    | 3.0           | U                | 50.0        | 44.8      |              | ug/L |   | 90   | 60 - 146    |
| 4-Methyl-2-pentanone (MIBK)           | 1.8           | U                | 200         | 173       |              | ug/L |   | 87   | 63 - 146    |
| Methyl tert-butyl ether               | 0.22          | U                | 50.0        | 43.8      |              | ug/L |   | 88   | 59 - 137    |
| Naphthalene                           | 3.0           | U                | 50.0        | 47.5      |              | ug/L |   | 95   | 25 - 150    |
| N-Propylbenzene                       | 0.69          | U                | 50.0        | 45.1      |              | ug/L |   | 90   | 51 - 138    |
| Styrene                               | 1.0           | U                | 50.0        | 43.4      |              | ug/L |   | 87   | 58 - 131    |
| 1,1,1,2-Tetrachloroethane             | 0.16          | U                | 50.0        | 49.2      |              | ug/L |   | 98   | 59 - 137    |
| 1,1,2,2-Tetrachloroethane             | 0.50          | U                | 50.0        | 52.0      |              | ug/L |   | 104  | 66 - 135    |
| Tetrachloroethylene                   | 0.90          | U                | 50.0        | 48.9      |              | ug/L |   | 98   | 52 - 133    |
| Toluene                               | 0.90          | U                | 50.0        | 50.7      |              | ug/L |   | 101  | 65 - 130    |
| 1,2,3-Trichlorobenzene                | 0.90          | U                | 50.0        | 50.5      |              | ug/L |   | 101  | 43 - 145    |
| 1,2,4-Trichlorobenzene                | 0.82          | U                | 50.0        | 49.3      |              | ug/L |   | 99   | 39 - 148    |
| 1,1,1-Trichloroethane                 | 0.18          | U                | 50.0        | 40.3      |              | ug/L |   | 81   | 57 - 142    |
| 1,1,2-Trichloroethane                 | 0.21          | U                | 50.0        | 52.6      |              | ug/L |   | 105  | 66 - 131    |
| Trichloroethene                       | 0.15          | U                | 50.0        | 43.3      |              | ug/L |   | 87   | 64 - 136    |
| Trichlorofluoromethane                | 0.52          | U F2             | 25.0        | 15.6      |              | ug/L |   | 62   | 54 - 150    |
| 1,2,3-Trichloropropane                | 0.84          | U                | 50.0        | 47.3      |              | ug/L |   | 95   | 65 - 133    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50          | U                | 50.0        | 43.7      |              | ug/L |   | 87   | 55 - 150    |
| 1,2,4-Trimethylbenzene                | 0.82          | U                | 50.0        | 43.8      |              | ug/L |   | 88   | 50 - 139    |
| 1,3,5-Trimethylbenzene                | 0.56          | U                | 50.0        | 44.4      |              | ug/L |   | 89   | 52 - 135    |
| Vinyl acetate                         | 0.93          | U                | 50.0        | 45.2      |              | ug/L |   | 90   | 26 - 150    |
| Vinyl chloride                        | 0.50          | U F2             | 25.0        | 18.5      |              | ug/L |   | 74   | 46 - 150    |
| o-Xylene                              | 0.60          | U                | 50.0        | 45.4      |              | ug/L |   | 91   | 61 - 130    |
| m-Xylene & p-Xylene                   | 0.63          | U                | 50.0        | 45.4      |              | ug/L |   | 91   | 57 - 130    |
| Xylenes, Total                        | 1.6           | U                | 100         | 90.8      |              | ug/L |   | 91   | 59 - 130    |

| Surrogate            | MS %Recovery | MS Qualifier | Limits   |
|----------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene | 107          |              | 72 - 130 |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 680-242317-4 MS

Matrix: Water

Analysis Batch: 648802

Client Sample ID: PPMP-66-MW13

Prep Type: Total/NA

|                              | MS        | MS        |          |
|------------------------------|-----------|-----------|----------|
| Surrogate                    | %Recovery | Qualifier | Limits   |
| Dibromofluoromethane         | 93        |           | 75 - 126 |
| Toluene-d8 (Surr)            | 106       |           | 64 - 132 |
| 1,2-Dichloroethane-d4 (Surr) | 93        |           | 67 - 134 |

Lab Sample ID: 680-242317-4 MSD

Matrix: Water

Analysis Batch: 648802

Client Sample ID: PPMP-66-MW13

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Acetone                     | 10            | U F1             | 200         | 80.5       | F1            | ug/L |   | 40   | 43 - 150    | 14  | 30        |
| Acrylonitrile               | 2.8           | U                | 500         | 540        |               | ug/L |   | 108  | 62 - 149    | 10  | 30        |
| Benzene                     | 0.50          | U                | 50.0        | 50.8       |               | ug/L |   | 102  | 56 - 142    | 11  | 30        |
| Bromobenzene                | 0.54          | U                | 50.0        | 63.9       |               | ug/L |   | 128  | 59 - 136    | 27  | 30        |
| Bromochloromethane          | 0.21          | U                | 50.0        | 45.2       |               | ug/L |   | 90   | 64 - 140    | 7   | 30        |
| Bromodichloromethane        | 0.50          | U                | 50.0        | 48.6       |               | ug/L |   | 97   | 59 - 143    | 10  | 30        |
| Bromoform                   | 0.25          | U F1             | 50.0        | 77.5       | F1            | ug/L |   | 155  | 50 - 140    | 28  | 30        |
| Bromomethane                | 0.98          | U F2             | 25.0        | 10.6       | F2            | ug/L |   | 42   | 10 - 150    | 75  | 50        |
| 2-Butanone (MEK)            | 2.6           | U                | 200         | 133        |               | ug/L |   | 67   | 55 - 150    | 4   | 30        |
| n-Butylbenzene              | 0.76          | U                | 50.0        | 53.9       |               | ug/L |   | 108  | 41 - 142    | 28  | 31        |
| sec-Butylbenzene            | 0.70          | U                | 50.0        | 59.7       |               | ug/L |   | 119  | 50 - 138    | 30  | 30        |
| tert-Butylbenzene           | 0.63          | U F2             | 50.0        | 65.1       | F2            | ug/L |   | 130  | 54 - 146    | 46  | 30        |
| Carbon disulfide            | 0.50          | U                | 50.0        | 40.9       |               | ug/L |   | 82   | 48 - 150    | 11  | 30        |
| Carbon tetrachloride        | 0.19          | U                | 50.0        | 47.0       |               | ug/L |   | 94   | 55 - 145    | 11  | 30        |
| Chlorobenzene               | 0.90          | U                | 50.0        | 54.9       |               | ug/L |   | 110  | 64 - 130    | 17  | 30        |
| Chloroethane                | 0.76          | U F2             | 25.0        | 25.7       | F2            | ug/L |   | 103  | 50 - 150    | 38  | 30        |
| Chloroform                  | 0.90          | U                | 50.0        | 47.9       |               | ug/L |   | 96   | 60 - 141    | 8   | 30        |
| Chloromethane               | 0.90          | U F1             | 25.0        | 43.1       | F1            | ug/L |   | 172  | 49 - 148    | 10  | 31        |
| 2-Chlorotoluene             | 0.57          | U                | 50.0        | 60.3       |               | ug/L |   | 121  | 53 - 134    | 26  | 30        |
| 4-Chlorotoluene             | 0.56          | U                | 50.0        | 58.4       |               | ug/L |   | 117  | 54 - 133    | 25  | 30        |
| Dibromochloromethane        | 0.24          | U                | 50.0        | 59.2       |               | ug/L |   | 118  | 56 - 143    | 15  | 30        |
| 1,2-Dibromo-3-Chloropropane | 1.5           | U F1             | 50.0        | 69.2       | F1            | ug/L |   | 138  | 45 - 135    | 27  | 30        |
| 1,2-Dibromoethane           | 0.23          | U                | 50.0        | 55.9       |               | ug/L |   | 112  | 64 - 132    | 15  | 30        |
| Dibromomethane              | 0.22          | U                | 50.0        | 46.3       |               | ug/L |   | 93   | 63 - 138    | 10  | 30        |
| 1,2-Dichlorobenzene         | 0.50          | U                | 50.0        | 59.4       |               | ug/L |   | 119  | 52 - 137    | 27  | 30        |
| 1,3-Dichlorobenzene         | 0.54          | U                | 50.0        | 59.5       |               | ug/L |   | 119  | 54 - 135    | 27  | 30        |
| 1,4-Dichlorobenzene         | 0.64          | U                | 50.0        | 59.3       |               | ug/L |   | 119  | 53 - 135    | 26  | 30        |
| trans-1,4-Dichloro-2-butene | 1.0           | U                | 50.0        | 59.1       |               | ug/L |   | 118  | 43 - 147    | 23  | 36        |
| Dichlorodifluoromethane     | 0.85          | U F2 *-          | 25.0        | 13.0       | F2            | ug/L |   | 52   | 16 - 150    | 36  | 31        |
| 1,1-Dichloroethane          | 0.50          | U                | 50.0        | 51.3       |               | ug/L |   | 103  | 61 - 144    | 10  | 30        |
| 1,2-Dichloroethane          | 0.19          | U                | 50.0        | 42.5       |               | ug/L |   | 85   | 60 - 141    | 12  | 30        |
| cis-1,2-Dichloroethene      | 0.20          | U                | 50.0        | 49.8       |               | ug/L |   | 100  | 59 - 143    | 11  | 30        |
| trans-1,2-Dichloroethene    | 0.50          | U                | 50.0        | 46.9       |               | ug/L |   | 94   | 61 - 143    | 8   | 30        |
| 1,1-Dichloroethene          | 0.50          | U                | 50.0        | 42.8       |               | ug/L |   | 86   | 54 - 147    | 12  | 30        |
| 1,2-Dichloropropane         | 0.50          | U                | 50.0        | 53.6       |               | ug/L |   | 107  | 66 - 137    | 10  | 30        |
| 1,3-Dichloropropane         | 0.50          | U                | 50.0        | 60.6       |               | ug/L |   | 121  | 66 - 133    | 16  | 30        |
| 2,2-Dichloropropane         | 0.50          | U                | 50.0        | 46.1       |               | ug/L |   | 92   | 42 - 144    | 12  | 31        |
| 1,1-Dichloropropene         | 0.50          | U                | 50.0        | 48.5       |               | ug/L |   | 97   | 65 - 136    | 12  | 30        |
| cis-1,3-Dichloropropene     | 0.50          | U                | 50.0        | 50.1       |               | ug/L |   | 100  | 57 - 140    | 8   | 30        |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 680-242317-4 MSD

Matrix: Water

Analysis Batch: 648802

Client Sample ID: PPMP-66-MW13

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| trans-1,3-Dichloropropene             | 0.20          | U                | 50.0        | 58.2       |               | ug/L |   | 116  | 53 - 133    | 17  | 30        |
| Ethylbenzene                          | 0.50          | U                | 50.0        | 55.8       |               | ug/L |   | 112  | 58 - 131    | 18  | 30        |
| Hexachlorobutadiene                   | 0.90          | U                | 50.0        | 66.4       |               | ug/L |   | 133  | 31 - 149    | 30  | 36        |
| 2-Hexanone                            | 1.4           | U                | 200         | 180        |               | ug/L |   | 90   | 65 - 140    | 17  | 30        |
| Iodomethane                           | 0.90          | U F2             | 50.0        | 27.9       | F2            | ug/L |   | 56   | 20 - 150    | 52  | 44        |
| Isopropylbenzene                      | 0.53          | U                | 50.0        | 51.7       |               | ug/L |   | 103  | 56 - 133    | 18  | 30        |
| p-Isopropyltoluene                    | 0.71          | U                | 50.0        | 56.6       |               | ug/L |   | 113  | 48 - 139    | 28  | 30        |
| Methylene Chloride                    | 3.0           | U                | 50.0        | 48.1       |               | ug/L |   | 96   | 60 - 146    | 7   | 32        |
| 4-Methyl-2-pentanone (MIBK)           | 1.8           | U                | 200         | 190        |               | ug/L |   | 95   | 63 - 146    | 9   | 30        |
| Methyl tert-butyl ether               | 0.22          | U                | 50.0        | 48.6       |               | ug/L |   | 97   | 59 - 137    | 10  | 30        |
| Naphthalene                           | 3.0           | U                | 50.0        | 61.3       |               | ug/L |   | 123  | 25 - 150    | 25  | 30        |
| N-Propylbenzene                       | 0.69          | U                | 50.0        | 60.7       |               | ug/L |   | 121  | 51 - 138    | 30  | 30        |
| Styrene                               | 1.0           | U                | 50.0        | 50.8       |               | ug/L |   | 102  | 58 - 131    | 16  | 30        |
| 1,1,1,2-Tetrachloroethane             | 0.16          | U                | 50.0        | 57.5       |               | ug/L |   | 115  | 59 - 137    | 16  | 30        |
| 1,1,2,2-Tetrachloroethane             | 0.50          | U                | 50.0        | 67.2       |               | ug/L |   | 134  | 66 - 135    | 26  | 30        |
| Tetrachloroethylene                   | 0.90          | U                | 50.0        | 58.6       |               | ug/L |   | 117  | 52 - 133    | 18  | 30        |
| Toluene                               | 0.90          | U                | 50.0        | 60.6       |               | ug/L |   | 121  | 65 - 130    | 18  | 30        |
| 1,2,3-Trichlorobenzene                | 0.90          | U                | 50.0        | 65.6       |               | ug/L |   | 131  | 43 - 145    | 26  | 30        |
| 1,2,4-Trichlorobenzene                | 0.82          | U                | 50.0        | 61.6       |               | ug/L |   | 123  | 39 - 148    | 22  | 30        |
| 1,1,1-Trichloroethane                 | 0.18          | U                | 50.0        | 45.5       |               | ug/L |   | 91   | 57 - 142    | 12  | 30        |
| 1,1,2-Trichloroethane                 | 0.21          | U                | 50.0        | 60.1       |               | ug/L |   | 120  | 66 - 131    | 13  | 30        |
| Trichloroethene                       | 0.15          | U                | 50.0        | 48.0       |               | ug/L |   | 96   | 64 - 136    | 10  | 30        |
| Trichlorofluoromethane                | 0.52          | U F2             | 25.0        | 25.2       | F2            | ug/L |   | 101  | 54 - 150    | 47  | 30        |
| 1,2,3-Trichloropropane                | 0.84          | U                | 50.0        | 62.6       |               | ug/L |   | 125  | 65 - 133    | 28  | 30        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50          | U                | 50.0        | 52.5       |               | ug/L |   | 105  | 55 - 150    | 18  | 30        |
| 1,2,4-Trimethylbenzene                | 0.82          | U                | 50.0        | 57.8       |               | ug/L |   | 116  | 50 - 139    | 28  | 30        |
| 1,3,5-Trimethylbenzene                | 0.56          | U                | 50.0        | 59.7       |               | ug/L |   | 119  | 52 - 135    | 29  | 30        |
| Vinyl acetate                         | 0.93          | U                | 50.0        | 59.6       |               | ug/L |   | 119  | 26 - 150    | 27  | 33        |
| Vinyl chloride                        | 0.50          | U F2             | 25.0        | 27.5       | F2            | ug/L |   | 110  | 46 - 150    | 39  | 30        |
| o-Xylene                              | 0.60          | U                | 50.0        | 53.5       |               | ug/L |   | 107  | 61 - 130    | 17  | 30        |
| m-Xylene & p-Xylene                   | 0.63          | U                | 50.0        | 54.0       |               | ug/L |   | 108  | 57 - 130    | 17  | 30        |
| Xylenes, Total                        | 1.6           | U                | 100         | 108        |               | ug/L |   | 108  | 59 - 130    | 17  | 30        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene         | 112           |               | 72 - 130 |
| Dibromofluoromethane         | 91            |               | 75 - 126 |
| Toluene-d8 (Surr)            | 111           |               | 64 - 132 |
| 1,2-Dichloroethane-d4 (Surr) | 93            |               | 67 - 134 |

Lab Sample ID: MB 400-649001/4

Matrix: Water

Analysis Batch: 649001

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte       | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Acetone       | 10        | U            | 25  | 10   | ug/L |   |          | 11/07/23 14:01 | 1       |
| Acrylonitrile | 2.8       | U            | 10  | 2.8  | ug/L |   |          | 11/07/23 14:01 | 1       |
| Benzene       | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Bromobenzene  | 0.54      | U            | 1.0 | 0.54 | ug/L |   |          | 11/07/23 14:01 | 1       |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-649001/4

Matrix: Water

Analysis Batch: 649001

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Bromochloromethane          | 0.21      | U            | 1.0 | 0.21 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Bromodichloromethane        | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Bromoform                   | 0.25      | U            | 5.0 | 0.25 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Bromomethane                | 0.98      | U            | 1.0 | 0.98 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 2-Butanone (MEK)            | 2.6       | U            | 25  | 2.6  | ug/L |   |          | 11/07/23 14:01 | 1       |
| n-Butylbenzene              | 0.76      | U            | 1.0 | 0.76 | ug/L |   |          | 11/07/23 14:01 | 1       |
| sec-Butylbenzene            | 0.70      | U            | 1.0 | 0.70 | ug/L |   |          | 11/07/23 14:01 | 1       |
| tert-Butylbenzene           | 0.63      | U            | 1.0 | 0.63 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Carbon disulfide            | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Carbon tetrachloride        | 0.19      | U            | 1.0 | 0.19 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Chlorobenzene               | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Chloroethane                | 0.76      | U            | 1.0 | 0.76 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Chloroform                  | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Chloromethane               | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 2-Chlorotoluene             | 0.57      | U            | 1.0 | 0.57 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 4-Chlorotoluene             | 0.56      | U            | 1.0 | 0.56 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Dibromochloromethane        | 0.24      | U            | 1.0 | 0.24 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5       | U            | 5.0 | 1.5  | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,2-Dibromoethane           | 0.23      | U            | 1.0 | 0.23 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Dibromomethane              | 0.22      | U            | 5.0 | 0.22 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,2-Dichlorobenzene         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,3-Dichlorobenzene         | 0.54      | U            | 1.0 | 0.54 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,4-Dichlorobenzene         | 0.64      | U            | 1.0 | 0.64 | ug/L |   |          | 11/07/23 14:01 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0       | U            | 5.0 | 1.0  | ug/L |   |          | 11/07/23 14:01 | 1       |
| Dichlorodifluoromethane     | 0.85      | U            | 1.0 | 0.85 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,1-Dichloroethane          | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,2-Dichloroethane          | 0.19      | U            | 1.0 | 0.19 | ug/L |   |          | 11/07/23 14:01 | 1       |
| cis-1,2-Dichloroethene      | 0.20      | U            | 1.0 | 0.20 | ug/L |   |          | 11/07/23 14:01 | 1       |
| trans-1,2-Dichloroethene    | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,1-Dichloroethene          | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,2-Dichloropropane         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,3-Dichloropropane         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 2,2-Dichloropropane         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,1-Dichloropropene         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| cis-1,3-Dichloropropene     | 0.50      | U            | 5.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| trans-1,3-Dichloropropene   | 0.20      | U            | 5.0 | 0.20 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Ethylbenzene                | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Hexachlorobutadiene         | 0.90      | U            | 5.0 | 0.90 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 2-Hexanone                  | 1.4       | U            | 25  | 1.4  | ug/L |   |          | 11/07/23 14:01 | 1       |
| Iodomethane                 | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Isopropylbenzene            | 0.53      | U            | 1.0 | 0.53 | ug/L |   |          | 11/07/23 14:01 | 1       |
| p-Isopropyltoluene          | 0.71      | U            | 1.0 | 0.71 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Methylene Chloride          | 3.0       | U            | 5.0 | 3.0  | ug/L |   |          | 11/07/23 14:01 | 1       |
| 4-Methyl-2-pentanone (MIBK) | 1.8       | U            | 25  | 1.8  | ug/L |   |          | 11/07/23 14:01 | 1       |
| Methyl tert-butyl ether     | 0.22      | U            | 1.0 | 0.22 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Naphthalene                 | 3.0       | U            | 5.0 | 3.0  | ug/L |   |          | 11/07/23 14:01 | 1       |
| N-Propylbenzene             | 0.69      | U            | 1.0 | 0.69 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Styrene                     | 1.0       | U            | 1.0 | 1.0  | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,1,1,2-Tetrachloroethane   | 0.16      | U            | 1.0 | 0.16 | ug/L |   |          | 11/07/23 14:01 | 1       |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-649001/4

Matrix: Water

Analysis Batch: 649001

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| 1,1,2,2-Tetrachloroethane             | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Tetrachloroethylene                   | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Toluene                               | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82      | U            | 1.0 | 0.82 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,1,1-Trichloroethane                 | 0.18      | U            | 1.0 | 0.18 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,1,2-Trichloroethane                 | 0.21      | U            | 5.0 | 0.21 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Trichloroethene                       | 0.15      | U            | 1.0 | 0.15 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Trichlorofluoromethane                | 0.52      | U            | 1.0 | 0.52 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,2,3-Trichloropropane                | 0.84      | U            | 5.0 | 0.84 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82      | U            | 1.0 | 0.82 | ug/L |   |          | 11/07/23 14:01 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56      | U            | 1.0 | 0.56 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Vinyl acetate                         | 0.93      | U            | 25  | 0.93 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Vinyl chloride                        | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/07/23 14:01 | 1       |
| o-Xylene                              | 0.60      | U            | 5.0 | 0.60 | ug/L |   |          | 11/07/23 14:01 | 1       |
| m-Xylene & p-Xylene                   | 0.63      | U            | 5.0 | 0.63 | ug/L |   |          | 11/07/23 14:01 | 1       |
| Xylenes, Total                        | 1.6       | U            | 10  | 1.6  | ug/L |   |          | 11/07/23 14:01 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 97           |              | 72 - 130 |          | 11/07/23 14:01 | 1       |
| Dibromofluoromethane         | 90           |              | 75 - 126 |          | 11/07/23 14:01 | 1       |
| Toluene-d8 (Surr)            | 101          |              | 64 - 132 |          | 11/07/23 14:01 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 99           |              | 67 - 134 |          | 11/07/23 14:01 | 1       |

Lab Sample ID: LCS 400-649001/1002

Matrix: Water

Analysis Batch: 649001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|------|---|------|-------------|
| Acetone              | 200         | 151        |               | ug/L |   | 75   | 43 - 160    |
| Acrylonitrile        | 500         | 420        |               | ug/L |   | 84   | 64 - 142    |
| Benzene              | 50.0        | 46.3       |               | ug/L |   | 93   | 70 - 130    |
| Bromobenzene         | 50.0        | 52.4       |               | ug/L |   | 105  | 70 - 132    |
| Bromochloromethane   | 50.0        | 42.4       |               | ug/L |   | 85   | 70 - 130    |
| Bromodichloromethane | 50.0        | 41.4       |               | ug/L |   | 83   | 67 - 133    |
| Bromoform            | 50.0        | 41.1       |               | ug/L |   | 82   | 57 - 140    |
| Bromomethane         | 50.0        | 32.0       |               | ug/L |   | 64   | 10 - 160    |
| 2-Butanone (MEK)     | 200         | 150        |               | ug/L |   | 75   | 61 - 145    |
| n-Butylbenzene       | 50.0        | 54.5       |               | ug/L |   | 109  | 67 - 130    |
| sec-Butylbenzene     | 50.0        | 53.6       |               | ug/L |   | 107  | 66 - 130    |
| tert-Butylbenzene    | 50.0        | 51.7       |               | ug/L |   | 103  | 64 - 139    |
| Carbon disulfide     | 50.0        | 39.2       |               | ug/L |   | 78   | 61 - 137    |
| Carbon tetrachloride | 50.0        | 40.7       |               | ug/L |   | 81   | 61 - 137    |
| Chlorobenzene        | 50.0        | 50.2       |               | ug/L |   | 100  | 70 - 130    |
| Chloroethane         | 50.0        | 35.5       |               | ug/L |   | 71   | 55 - 141    |
| Chloroform           | 50.0        | 42.5       |               | ug/L |   | 85   | 69 - 130    |
| Chloromethane        | 50.0        | 33.4       |               | ug/L |   | 67   | 58 - 137    |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-649001/1002

Matrix: Water

Analysis Batch: 649001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 2-Chlorotoluene                       | 50.0        | 51.7       |               | ug/L |   | 103  | 70 - 130    |
| 4-Chlorotoluene                       | 50.0        | 51.7       |               | ug/L |   | 103  | 70 - 130    |
| Dibromochloromethane                  | 50.0        | 44.5       |               | ug/L |   | 89   | 67 - 135    |
| 1,2-Dibromo-3-Chloropropane           | 50.0        | 41.7       |               | ug/L |   | 83   | 54 - 135    |
| 1,2-Dibromoethane                     | 50.0        | 47.8       |               | ug/L |   | 96   | 70 - 130    |
| Dibromomethane                        | 50.0        | 42.1       |               | ug/L |   | 84   | 70 - 130    |
| 1,2-Dichlorobenzene                   | 50.0        | 51.1       |               | ug/L |   | 102  | 67 - 130    |
| 1,3-Dichlorobenzene                   | 50.0        | 51.9       |               | ug/L |   | 104  | 70 - 130    |
| 1,4-Dichlorobenzene                   | 50.0        | 52.0       |               | ug/L |   | 104  | 70 - 130    |
| trans-1,4-Dichloro-2-butene           | 50.0        | 48.0       |               | ug/L |   | 96   | 57 - 140    |
| Dichlorodifluoromethane               | 50.0        | 26.0       |               | ug/L |   | 52   | 41 - 146    |
| 1,1-Dichloroethane                    | 50.0        | 41.0       |               | ug/L |   | 82   | 70 - 130    |
| 1,2-Dichloroethane                    | 50.0        | 43.3       |               | ug/L |   | 87   | 69 - 130    |
| cis-1,2-Dichloroethene                | 50.0        | 42.2       |               | ug/L |   | 84   | 68 - 130    |
| trans-1,2-Dichloroethene              | 50.0        | 42.3       |               | ug/L |   | 85   | 70 - 130    |
| 1,1-Dichloroethene                    | 50.0        | 39.9       |               | ug/L |   | 80   | 63 - 134    |
| 1,2-Dichloropropane                   | 50.0        | 46.8       |               | ug/L |   | 94   | 70 - 130    |
| 1,3-Dichloropropane                   | 50.0        | 48.6       |               | ug/L |   | 97   | 70 - 130    |
| 2,2-Dichloropropane                   | 50.0        | 39.9       |               | ug/L |   | 80   | 52 - 135    |
| 1,1-Dichloropropene                   | 50.0        | 47.1       |               | ug/L |   | 94   | 70 - 130    |
| cis-1,3-Dichloropropene               | 50.0        | 45.9       |               | ug/L |   | 92   | 69 - 132    |
| trans-1,3-Dichloropropene             | 50.0        | 46.7       |               | ug/L |   | 93   | 63 - 130    |
| Ethylbenzene                          | 50.0        | 50.5       |               | ug/L |   | 101  | 70 - 130    |
| Hexachlorobutadiene                   | 50.0        | 50.5       |               | ug/L |   | 101  | 53 - 140    |
| 2-Hexanone                            | 200         | 179        |               | ug/L |   | 90   | 65 - 137    |
| Iodomethane                           | 50.0        | 35.8       |               | ug/L |   | 72   | 27 - 159    |
| Isopropylbenzene                      | 50.0        | 50.9       |               | ug/L |   | 102  | 70 - 130    |
| p-Isopropyltoluene                    | 50.0        | 52.8       |               | ug/L |   | 106  | 65 - 130    |
| Methylene Chloride                    | 50.0        | 43.6       |               | ug/L |   | 87   | 66 - 135    |
| 4-Methyl-2-pentanone (MIBK)           | 200         | 189        |               | ug/L |   | 94   | 69 - 138    |
| Methyl tert-butyl ether               | 50.0        | 44.5       |               | ug/L |   | 89   | 66 - 130    |
| Naphthalene                           | 50.0        | 48.3       |               | ug/L |   | 97   | 47 - 149    |
| N-Propylbenzene                       | 50.0        | 52.6       |               | ug/L |   | 105  | 70 - 130    |
| Styrene                               | 50.0        | 45.9       |               | ug/L |   | 92   | 70 - 130    |
| 1,1,1,2-Tetrachloroethane             | 50.0        | 46.2       |               | ug/L |   | 92   | 67 - 131    |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 52.5       |               | ug/L |   | 105  | 70 - 131    |
| Tetrachloroethylene                   | 50.0        | 46.8       |               | ug/L |   | 94   | 65 - 130    |
| Toluene                               | 50.0        | 48.3       |               | ug/L |   | 97   | 70 - 130    |
| 1,2,3-Trichlorobenzene                | 50.0        | 50.1       |               | ug/L |   | 100  | 60 - 138    |
| 1,2,4-Trichlorobenzene                | 50.0        | 50.5       |               | ug/L |   | 101  | 60 - 140    |
| 1,1,1-Trichloroethane                 | 50.0        | 42.5       |               | ug/L |   | 85   | 68 - 130    |
| 1,1,2-Trichloroethane                 | 50.0        | 49.7       |               | ug/L |   | 99   | 70 - 130    |
| Trichloroethene                       | 50.0        | 46.0       |               | ug/L |   | 92   | 70 - 130    |
| Trichlorofluoromethane                | 50.0        | 33.6       |               | ug/L |   | 67   | 65 - 138    |
| 1,2,3-Trichloropropane                | 50.0        | 52.0       |               | ug/L |   | 104  | 70 - 130    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 41.7       |               | ug/L |   | 83   | 60 - 139    |
| 1,2,4-Trimethylbenzene                | 50.0        | 51.8       |               | ug/L |   | 104  | 70 - 130    |
| 1,3,5-Trimethylbenzene                | 50.0        | 52.1       |               | ug/L |   | 104  | 69 - 130    |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-649001/1002

Matrix: Water

Analysis Batch: 649001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|------|---|------|-------------|
| Vinyl acetate       | 100         | 96.6       |               | ug/L |   | 97   | 26 - 160    |
| Vinyl chloride      | 50.0        | 34.5       |               | ug/L |   | 69   | 59 - 136    |
| o-Xylene            | 50.0        | 48.6       |               | ug/L |   | 97   | 70 - 130    |
| m-Xylene & p-Xylene | 50.0        | 48.4       |               | ug/L |   | 97   | 70 - 130    |
| Xylenes, Total      | 100         | 97.0       |               | ug/L |   | 97   | 70 - 130    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene         | 100           |               | 72 - 130 |
| Dibromofluoromethane         | 85            |               | 75 - 126 |
| Toluene-d8 (Surr)            | 102           |               | 64 - 132 |
| 1,2-Dichloroethane-d4 (Surr) | 91            |               | 67 - 134 |

Lab Sample ID: 680-242317-12 MS

Matrix: Water

Analysis Batch: 649001

Client Sample ID: PPMP-66-MW08

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Acetone                     | 10            | U                | 200         | 168       |              | ug/L |   | 84   | 43 - 150    |
| Acrylonitrile               | 2.8           | U                | 500         | 455       |              | ug/L |   | 91   | 62 - 149    |
| Benzene                     | 0.50          | U                | 50.0        | 44.4      |              | ug/L |   | 89   | 56 - 142    |
| Bromobenzene                | 0.54          | U                | 50.0        | 51.9      |              | ug/L |   | 104  | 59 - 136    |
| Bromochloromethane          | 0.21          | U                | 50.0        | 42.9      |              | ug/L |   | 86   | 64 - 140    |
| Bromodichloromethane        | 0.50          | U                | 50.0        | 41.1      |              | ug/L |   | 82   | 59 - 143    |
| Bromoform                   | 0.25          | U                | 50.0        | 45.5      |              | ug/L |   | 91   | 50 - 140    |
| Bromomethane                | 0.98          | U                | 50.0        | 30.1      |              | ug/L |   | 60   | 10 - 150    |
| 2-Butanone (MEK)            | 2.6           | U                | 200         | 178       |              | ug/L |   | 89   | 55 - 150    |
| n-Butylbenzene              | 0.76          | U                | 50.0        | 47.6      |              | ug/L |   | 95   | 41 - 142    |
| sec-Butylbenzene            | 0.70          | U                | 50.0        | 48.7      |              | ug/L |   | 97   | 50 - 138    |
| tert-Butylbenzene           | 0.63          | U                | 50.0        | 48.7      |              | ug/L |   | 97   | 54 - 146    |
| Carbon disulfide            | 0.50          | U                | 50.0        | 37.5      |              | ug/L |   | 75   | 48 - 150    |
| Carbon tetrachloride        | 0.19          | U                | 50.0        | 38.2      |              | ug/L |   | 76   | 55 - 145    |
| Chlorobenzene               | 0.90          | U                | 50.0        | 47.0      |              | ug/L |   | 94   | 64 - 130    |
| Chloroethane                | 0.76          | U                | 50.0        | 34.3      |              | ug/L |   | 69   | 50 - 150    |
| Chloroform                  | 0.90          | U                | 50.0        | 41.4      |              | ug/L |   | 83   | 60 - 141    |
| Chloromethane               | 0.90          | U                | 50.0        | 31.8      |              | ug/L |   | 64   | 49 - 148    |
| 2-Chlorotoluene             | 0.57          | U                | 50.0        | 49.9      |              | ug/L |   | 100  | 53 - 134    |
| 4-Chlorotoluene             | 0.56          | U                | 50.0        | 48.4      |              | ug/L |   | 97   | 54 - 133    |
| Dibromochloromethane        | 0.24          | U                | 50.0        | 44.2      |              | ug/L |   | 88   | 56 - 143    |
| 1,2-Dibromo-3-Chloropropane | 1.5           | U                | 50.0        | 50.3      |              | ug/L |   | 101  | 45 - 135    |
| 1,2-Dibromoethane           | 0.23          | U                | 50.0        | 50.3      |              | ug/L |   | 101  | 64 - 132    |
| Dibromomethane              | 0.22          | U                | 50.0        | 44.1      |              | ug/L |   | 88   | 63 - 138    |
| 1,2-Dichlorobenzene         | 0.50          | U                | 50.0        | 50.3      |              | ug/L |   | 101  | 52 - 137    |
| 1,3-Dichlorobenzene         | 0.54          | U                | 50.0        | 48.1      |              | ug/L |   | 96   | 54 - 135    |
| 1,4-Dichlorobenzene         | 0.64          | U                | 50.0        | 48.7      |              | ug/L |   | 97   | 53 - 135    |
| trans-1,4-Dichloro-2-butene | 1.0           | U                | 50.0        | 54.3      |              | ug/L |   | 109  | 43 - 147    |
| Dichlorodifluoromethane     | 0.85          | U                | 50.0        | 24.0      |              | ug/L |   | 48   | 16 - 150    |
| 1,1-Dichloroethane          | 0.50          | U                | 50.0        | 40.0      |              | ug/L |   | 80   | 61 - 144    |
| 1,2-Dichloroethane          | 0.19          | U                | 50.0        | 43.6      |              | ug/L |   | 87   | 60 - 141    |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 680-242317-12 MS

Matrix: Water

Analysis Batch: 649001

Client Sample ID: PPMP-66-MW08

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| cis-1,2-Dichloroethene                | 0.20          | U                | 50.0        | 40.9      |              | ug/L |   | 82   | 59 - 143    |
| trans-1,2-Dichloroethene              | 0.50          | U                | 50.0        | 41.3      |              | ug/L |   | 83   | 61 - 143    |
| 1,1-Dichloroethene                    | 0.50          | U                | 50.0        | 39.0      |              | ug/L |   | 78   | 54 - 147    |
| 1,2-Dichloropropane                   | 0.50          | U                | 50.0        | 45.8      |              | ug/L |   | 92   | 66 - 137    |
| 1,3-Dichloropropane                   | 0.50          | U                | 50.0        | 49.6      |              | ug/L |   | 99   | 66 - 133    |
| 2,2-Dichloropropane                   | 0.50          | U                | 50.0        | 38.0      |              | ug/L |   | 76   | 42 - 144    |
| 1,1-Dichloropropene                   | 0.50          | U                | 50.0        | 44.0      |              | ug/L |   | 88   | 65 - 136    |
| cis-1,3-Dichloropropene               | 0.50          | U                | 50.0        | 43.6      |              | ug/L |   | 87   | 57 - 140    |
| trans-1,3-Dichloropropene             | 0.20          | U                | 50.0        | 46.1      |              | ug/L |   | 92   | 53 - 133    |
| Ethylbenzene                          | 0.50          | U                | 50.0        | 46.1      |              | ug/L |   | 92   | 58 - 131    |
| Hexachlorobutadiene                   | 0.90          | U                | 50.0        | 41.7      |              | ug/L |   | 83   | 31 - 149    |
| 2-Hexanone                            | 1.4           | U                | 200         | 185       |              | ug/L |   | 92   | 65 - 140    |
| Iodomethane                           | 0.90          | U                | 50.0        | 34.3      |              | ug/L |   | 69   | 20 - 150    |
| Isopropylbenzene                      | 0.53          | U                | 50.0        | 45.5      |              | ug/L |   | 91   | 56 - 133    |
| p-Isopropyltoluene                    | 0.71          | U                | 50.0        | 47.2      |              | ug/L |   | 94   | 48 - 139    |
| Methylene Chloride                    | 3.0           | U                | 50.0        | 44.4      |              | ug/L |   | 89   | 60 - 146    |
| 4-Methyl-2-pentanone (MIBK)           | 1.8           | U                | 200         | 202       |              | ug/L |   | 101  | 63 - 146    |
| Methyl tert-butyl ether               | 0.22          | U                | 50.0        | 46.7      |              | ug/L |   | 93   | 59 - 137    |
| Naphthalene                           | 3.0           | U                | 50.0        | 54.3      |              | ug/L |   | 109  | 25 - 150    |
| N-Propylbenzene                       | 0.69          | U                | 50.0        | 47.7      |              | ug/L |   | 95   | 51 - 138    |
| Styrene                               | 1.0           | U                | 50.0        | 42.2      |              | ug/L |   | 84   | 58 - 131    |
| 1,1,1,2-Tetrachloroethane             | 0.16          | U                | 50.0        | 45.2      |              | ug/L |   | 90   | 59 - 137    |
| 1,1,2,2-Tetrachloroethane             | 0.50          | U                | 50.0        | 60.6      |              | ug/L |   | 121  | 66 - 135    |
| Tetrachloroethylene                   | 0.90          | U                | 50.0        | 41.8      |              | ug/L |   | 84   | 52 - 133    |
| Toluene                               | 0.90          | U                | 50.0        | 45.9      |              | ug/L |   | 92   | 65 - 130    |
| 1,2,3-Trichlorobenzene                | 0.90          | U                | 50.0        | 49.8      |              | ug/L |   | 100  | 43 - 145    |
| 1,2,4-Trichlorobenzene                | 0.82          | U                | 50.0        | 47.8      |              | ug/L |   | 96   | 39 - 148    |
| 1,1,1-Trichloroethane                 | 0.18          | U                | 50.0        | 40.4      |              | ug/L |   | 81   | 57 - 142    |
| 1,1,2-Trichloroethane                 | 0.21          | U                | 50.0        | 52.0      |              | ug/L |   | 104  | 66 - 131    |
| Trichloroethene                       | 0.15          | U                | 50.0        | 43.0      |              | ug/L |   | 86   | 64 - 136    |
| Trichlorofluoromethane                | 0.52          | U                | 50.0        | 32.2      |              | ug/L |   | 64   | 54 - 150    |
| 1,2,3-Trichloropropane                | 0.84          | U                | 50.0        | 61.7      |              | ug/L |   | 123  | 65 - 133    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50          | U                | 50.0        | 42.5      |              | ug/L |   | 85   | 55 - 150    |
| 1,2,4-Trimethylbenzene                | 0.82          | U                | 50.0        | 48.6      |              | ug/L |   | 97   | 50 - 139    |
| 1,3,5-Trimethylbenzene                | 0.56          | U                | 50.0        | 48.1      |              | ug/L |   | 96   | 52 - 135    |
| Vinyl acetate                         | 0.93          | U                | 100         | 102       |              | ug/L |   | 102  | 26 - 150    |
| Vinyl chloride                        | 0.50          | U                | 50.0        | 33.0      |              | ug/L |   | 66   | 46 - 150    |
| o-Xylene                              | 0.60          | U                | 50.0        | 44.5      |              | ug/L |   | 89   | 61 - 130    |
| m-Xylene & p-Xylene                   | 0.63          | U                | 50.0        | 43.1      |              | ug/L |   | 86   | 57 - 130    |
| Xylenes, Total                        | 1.6           | U                | 100         | 87.6      |              | ug/L |   | 88   | 59 - 130    |
| Surrogate                             | MS %Recovery  | MS Qualifier     | Limits      |           |              |      |   |      |             |
| 4-Bromofluorobenzene                  | 103           |                  | 72 - 130    |           |              |      |   |      |             |
| Dibromofluoromethane                  | 89            |                  | 75 - 126    |           |              |      |   |      |             |
| Toluene-d8 (Surr)                     | 103           |                  | 64 - 132    |           |              |      |   |      |             |
| 1,2-Dichloroethane-d4 (Surr)          | 98            |                  | 67 - 134    |           |              |      |   |      |             |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 680-242317-12 MSD

Matrix: Water

Analysis Batch: 649001

Client Sample ID: PPMP-66-MW08

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Acetone                     | 10            | U                | 200         | 160        |               | ug/L |   | 80   | 43 - 150    | 5   | 30        |
| Acrylonitrile               | 2.8           | U                | 500         | 434        |               | ug/L |   | 87   | 62 - 149    | 5   | 30        |
| Benzene                     | 0.50          | U                | 50.0        | 44.3       |               | ug/L |   | 89   | 56 - 142    | 0   | 30        |
| Bromobenzene                | 0.54          | U                | 50.0        | 55.2       |               | ug/L |   | 110  | 59 - 136    | 6   | 30        |
| Bromochloromethane          | 0.21          | U                | 50.0        | 42.1       |               | ug/L |   | 84   | 64 - 140    | 2   | 30        |
| Bromodichloromethane        | 0.50          | U                | 50.0        | 40.7       |               | ug/L |   | 81   | 59 - 143    | 1   | 30        |
| Bromoform                   | 0.25          | U                | 50.0        | 47.4       |               | ug/L |   | 95   | 50 - 140    | 4   | 30        |
| Bromomethane                | 0.98          | U                | 50.0        | 31.0       |               | ug/L |   | 62   | 10 - 150    | 3   | 50        |
| 2-Butanone (MEK)            | 2.6           | U                | 200         | 167        |               | ug/L |   | 83   | 55 - 150    | 6   | 30        |
| n-Butylbenzene              | 0.76          | U                | 50.0        | 52.1       |               | ug/L |   | 104  | 41 - 142    | 9   | 31        |
| sec-Butylbenzene            | 0.70          | U                | 50.0        | 53.8       |               | ug/L |   | 108  | 50 - 138    | 10  | 30        |
| tert-Butylbenzene           | 0.63          | U                | 50.0        | 52.4       |               | ug/L |   | 105  | 54 - 146    | 7   | 30        |
| Carbon disulfide            | 0.50          | U                | 50.0        | 37.2       |               | ug/L |   | 74   | 48 - 150    | 1   | 30        |
| Carbon tetrachloride        | 0.19          | U                | 50.0        | 38.0       |               | ug/L |   | 76   | 55 - 145    | 1   | 30        |
| Chlorobenzene               | 0.90          | U                | 50.0        | 48.0       |               | ug/L |   | 96   | 64 - 130    | 2   | 30        |
| Chloroethane                | 0.76          | U                | 50.0        | 34.2       |               | ug/L |   | 68   | 50 - 150    | 0   | 30        |
| Chloroform                  | 0.90          | U                | 50.0        | 40.8       |               | ug/L |   | 82   | 60 - 141    | 1   | 30        |
| Chloromethane               | 0.90          | U                | 50.0        | 31.3       |               | ug/L |   | 63   | 49 - 148    | 2   | 31        |
| 2-Chlorotoluene             | 0.57          | U                | 50.0        | 53.0       |               | ug/L |   | 106  | 53 - 134    | 6   | 30        |
| 4-Chlorotoluene             | 0.56          | U                | 50.0        | 51.9       |               | ug/L |   | 104  | 54 - 133    | 7   | 30        |
| Dibromochloromethane        | 0.24          | U                | 50.0        | 45.1       |               | ug/L |   | 90   | 56 - 143    | 2   | 30        |
| 1,2-Dibromo-3-Chloropropane | 1.5           | U                | 50.0        | 48.6       |               | ug/L |   | 97   | 45 - 135    | 4   | 30        |
| 1,2-Dibromoethane           | 0.23          | U                | 50.0        | 50.0       |               | ug/L |   | 100  | 64 - 132    | 1   | 30        |
| Dibromomethane              | 0.22          | U                | 50.0        | 43.1       |               | ug/L |   | 86   | 63 - 138    | 2   | 30        |
| 1,2-Dichlorobenzene         | 0.50          | U                | 50.0        | 53.0       |               | ug/L |   | 106  | 52 - 137    | 5   | 30        |
| 1,3-Dichlorobenzene         | 0.54          | U                | 50.0        | 51.3       |               | ug/L |   | 103  | 54 - 135    | 7   | 30        |
| 1,4-Dichlorobenzene         | 0.64          | U                | 50.0        | 51.5       |               | ug/L |   | 103  | 53 - 135    | 6   | 30        |
| trans-1,4-Dichloro-2-butene | 1.0           | U                | 50.0        | 54.4       |               | ug/L |   | 109  | 43 - 147    | 0   | 36        |
| Dichlorodifluoromethane     | 0.85          | U                | 50.0        | 24.2       |               | ug/L |   | 48   | 16 - 150    | 1   | 31        |
| 1,1-Dichloroethane          | 0.50          | U                | 50.0        | 40.5       |               | ug/L |   | 81   | 61 - 144    | 1   | 30        |
| 1,2-Dichloroethane          | 0.19          | U                | 50.0        | 42.9       |               | ug/L |   | 86   | 60 - 141    | 2   | 30        |
| cis-1,2-Dichloroethene      | 0.20          | U                | 50.0        | 40.2       |               | ug/L |   | 80   | 59 - 143    | 2   | 30        |
| trans-1,2-Dichloroethene    | 0.50          | U                | 50.0        | 40.1       |               | ug/L |   | 80   | 61 - 143    | 3   | 30        |
| 1,1-Dichloroethene          | 0.50          | U                | 50.0        | 36.9       |               | ug/L |   | 74   | 54 - 147    | 5   | 30        |
| 1,2-Dichloropropane         | 0.50          | U                | 50.0        | 46.2       |               | ug/L |   | 92   | 66 - 137    | 1   | 30        |
| 1,3-Dichloropropane         | 0.50          | U                | 50.0        | 50.3       |               | ug/L |   | 101  | 66 - 133    | 1   | 30        |
| 2,2-Dichloropropane         | 0.50          | U                | 50.0        | 38.0       |               | ug/L |   | 76   | 42 - 144    | 0   | 31        |
| 1,1-Dichloropropene         | 0.50          | U                | 50.0        | 43.5       |               | ug/L |   | 87   | 65 - 136    | 1   | 30        |
| cis-1,3-Dichloropropene     | 0.50          | U                | 50.0        | 43.9       |               | ug/L |   | 88   | 57 - 140    | 1   | 30        |
| trans-1,3-Dichloropropene   | 0.20          | U                | 50.0        | 47.4       |               | ug/L |   | 95   | 53 - 133    | 3   | 30        |
| Ethylbenzene                | 0.50          | U                | 50.0        | 47.8       |               | ug/L |   | 96   | 58 - 131    | 4   | 30        |
| Hexachlorobutadiene         | 0.90          | U                | 50.0        | 46.1       |               | ug/L |   | 92   | 31 - 149    | 10  | 36        |
| 2-Hexanone                  | 1.4           | U                | 200         | 169        |               | ug/L |   | 85   | 65 - 140    | 9   | 30        |
| Iodomethane                 | 0.90          | U                | 50.0        | 37.0       |               | ug/L |   | 74   | 20 - 150    | 8   | 44        |
| Isopropylbenzene            | 0.53          | U                | 50.0        | 46.8       |               | ug/L |   | 94   | 56 - 133    | 3   | 30        |
| p-Isopropyltoluene          | 0.71          | U                | 50.0        | 51.7       |               | ug/L |   | 103  | 48 - 139    | 9   | 30        |
| Methylene Chloride          | 3.0           | U                | 50.0        | 43.2       |               | ug/L |   | 86   | 60 - 146    | 3   | 32        |
| 4-Methyl-2-pentanone (MIBK) | 1.8           | U                | 200         | 188        |               | ug/L |   | 94   | 63 - 146    | 7   | 30        |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 680-242317-12 MSD

Matrix: Water

Analysis Batch: 649001

Client Sample ID: PPMP-66-MW08

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Methyl tert-butyl ether               | 0.22          | U                | 50.0        | 46.0       |               | ug/L |   | 92   | 59 - 137    | 1   | 30        |
| Naphthalene                           | 3.0           | U                | 50.0        | 55.0       |               | ug/L |   | 110  | 25 - 150    | 1   | 30        |
| N-Propylbenzene                       | 0.69          | U                | 50.0        | 52.8       |               | ug/L |   | 106  | 51 - 138    | 10  | 30        |
| Styrene                               | 1.0           | U                | 50.0        | 43.9       |               | ug/L |   | 88   | 58 - 131    | 4   | 30        |
| 1,1,1,2-Tetrachloroethane             | 0.16          | U                | 50.0        | 46.6       |               | ug/L |   | 93   | 59 - 137    | 3   | 30        |
| 1,1,2,2-Tetrachloroethane             | 0.50          | U                | 50.0        | 61.8       |               | ug/L |   | 124  | 66 - 135    | 2   | 30        |
| Tetrachloroethylene                   | 0.90          | U                | 50.0        | 43.3       |               | ug/L |   | 87   | 52 - 133    | 4   | 30        |
| Toluene                               | 0.90          | U                | 50.0        | 47.4       |               | ug/L |   | 95   | 65 - 130    | 3   | 30        |
| 1,2,3-Trichlorobenzene                | 0.90          | U                | 50.0        | 51.5       |               | ug/L |   | 103  | 43 - 145    | 3   | 30        |
| 1,2,4-Trichlorobenzene                | 0.82          | U                | 50.0        | 48.8       |               | ug/L |   | 98   | 39 - 148    | 2   | 30        |
| 1,1,1-Trichloroethane                 | 0.18          | U                | 50.0        | 39.7       |               | ug/L |   | 79   | 57 - 142    | 2   | 30        |
| 1,1,2-Trichloroethane                 | 0.21          | U                | 50.0        | 52.3       |               | ug/L |   | 105  | 66 - 131    | 1   | 30        |
| Trichloroethene                       | 0.15          | U                | 50.0        | 43.7       |               | ug/L |   | 87   | 64 - 136    | 2   | 30        |
| Trichlorofluoromethane                | 0.52          | U                | 50.0        | 32.0       |               | ug/L |   | 64   | 54 - 150    | 1   | 30        |
| 1,2,3-Trichloropropane                | 0.84          | U                | 50.0        | 59.4       |               | ug/L |   | 119  | 65 - 133    | 4   | 30        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50          | U                | 50.0        | 41.5       |               | ug/L |   | 83   | 55 - 150    | 2   | 30        |
| 1,2,4-Trimethylbenzene                | 0.82          | U                | 50.0        | 52.3       |               | ug/L |   | 105  | 50 - 139    | 7   | 30        |
| 1,3,5-Trimethylbenzene                | 0.56          | U                | 50.0        | 52.4       |               | ug/L |   | 105  | 52 - 135    | 9   | 30        |
| Vinyl acetate                         | 0.93          | U                | 100         | 102        |               | ug/L |   | 102  | 26 - 150    | 0   | 33        |
| Vinyl chloride                        | 0.50          | U                | 50.0        | 33.4       |               | ug/L |   | 67   | 46 - 150    | 1   | 30        |
| o-Xylene                              | 0.60          | U                | 50.0        | 45.9       |               | ug/L |   | 92   | 61 - 130    | 3   | 30        |
| m-Xylene & p-Xylene                   | 0.63          | U                | 50.0        | 44.9       |               | ug/L |   | 90   | 57 - 130    | 4   | 30        |
| Xylenes, Total                        | 1.6           | U                | 100         | 90.8       |               | ug/L |   | 91   | 59 - 130    | 4   | 30        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene         | 104           |               | 72 - 130 |
| Dibromofluoromethane         | 88            |               | 75 - 126 |
| Toluene-d8 (Surr)            | 104           |               | 64 - 132 |
| 1,2-Dichloroethane-d4 (Surr) | 98            |               | 67 - 134 |

Lab Sample ID: MB 400-649352/4

Matrix: Water

Analysis Batch: 649352

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Acetone              | 10        | U            | 25  | 10   | ug/L |   |          | 11/09/23 07:59 | 1       |
| Acrylonitrile        | 2.8       | U            | 10  | 2.8  | ug/L |   |          | 11/09/23 07:59 | 1       |
| Benzene              | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Bromobenzene         | 0.54      | U            | 1.0 | 0.54 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Bromochloromethane   | 0.21      | U            | 1.0 | 0.21 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Bromodichloromethane | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Bromoform            | 0.25      | U            | 5.0 | 0.25 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Bromomethane         | 0.98      | U            | 1.0 | 0.98 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 2-Butanone (MEK)     | 2.6       | U            | 25  | 2.6  | ug/L |   |          | 11/09/23 07:59 | 1       |
| n-Butylbenzene       | 0.76      | U            | 1.0 | 0.76 | ug/L |   |          | 11/09/23 07:59 | 1       |
| sec-Butylbenzene     | 0.70      | U            | 1.0 | 0.70 | ug/L |   |          | 11/09/23 07:59 | 1       |
| tert-Butylbenzene    | 0.63      | U            | 1.0 | 0.63 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Carbon disulfide     | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-649352/4

Matrix: Water

Analysis Batch: 649352

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Carbon tetrachloride        | 0.19      | U            | 1.0 | 0.19 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Chlorobenzene               | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Chloroethane                | 0.76      | U            | 1.0 | 0.76 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Chloroform                  | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Chloromethane               | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 2-Chlorotoluene             | 0.57      | U            | 1.0 | 0.57 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 4-Chlorotoluene             | 0.56      | U            | 1.0 | 0.56 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Dibromochloromethane        | 0.24      | U            | 1.0 | 0.24 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5       | U            | 5.0 | 1.5  | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,2-Dibromoethane           | 0.23      | U            | 1.0 | 0.23 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Dibromomethane              | 0.22      | U            | 5.0 | 0.22 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,2-Dichlorobenzene         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,3-Dichlorobenzene         | 0.54      | U            | 1.0 | 0.54 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,4-Dichlorobenzene         | 0.64      | U            | 1.0 | 0.64 | ug/L |   |          | 11/09/23 07:59 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0       | U            | 5.0 | 1.0  | ug/L |   |          | 11/09/23 07:59 | 1       |
| Dichlorodifluoromethane     | 0.85      | U            | 1.0 | 0.85 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,1-Dichloroethane          | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,2-Dichloroethane          | 0.19      | U            | 1.0 | 0.19 | ug/L |   |          | 11/09/23 07:59 | 1       |
| cis-1,2-Dichloroethene      | 0.20      | U            | 1.0 | 0.20 | ug/L |   |          | 11/09/23 07:59 | 1       |
| trans-1,2-Dichloroethene    | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,1-Dichloroethene          | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,2-Dichloropropane         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,3-Dichloropropane         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 2,2-Dichloropropane         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,1-Dichloropropene         | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| cis-1,3-Dichloropropene     | 0.50      | U            | 5.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| trans-1,3-Dichloropropene   | 0.20      | U            | 5.0 | 0.20 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Ethylbenzene                | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Hexachlorobutadiene         | 0.90      | U            | 5.0 | 0.90 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 2-Hexanone                  | 1.4       | U            | 25  | 1.4  | ug/L |   |          | 11/09/23 07:59 | 1       |
| Iodomethane                 | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Isopropylbenzene            | 0.53      | U            | 1.0 | 0.53 | ug/L |   |          | 11/09/23 07:59 | 1       |
| p-Isopropyltoluene          | 0.71      | U            | 1.0 | 0.71 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Methylene Chloride          | 3.0       | U            | 5.0 | 3.0  | ug/L |   |          | 11/09/23 07:59 | 1       |
| 4-Methyl-2-pentanone (MIBK) | 1.8       | U            | 25  | 1.8  | ug/L |   |          | 11/09/23 07:59 | 1       |
| Methyl tert-butyl ether     | 0.22      | U            | 1.0 | 0.22 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Naphthalene                 | 3.0       | U            | 5.0 | 3.0  | ug/L |   |          | 11/09/23 07:59 | 1       |
| N-Propylbenzene             | 0.69      | U            | 1.0 | 0.69 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Styrene                     | 1.0       | U            | 1.0 | 1.0  | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,1,1,2-Tetrachloroethane   | 0.16      | U            | 1.0 | 0.16 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,1,2,2-Tetrachloroethane   | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Tetrachloroethylene         | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Toluene                     | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,2,3-Trichlorobenzene      | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,2,4-Trichlorobenzene      | 0.82      | U            | 1.0 | 0.82 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,1,1-Trichloroethane       | 0.18      | U            | 1.0 | 0.18 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,1,2-Trichloroethane       | 0.21      | U            | 5.0 | 0.21 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Trichloroethene             | 0.15      | U            | 1.0 | 0.15 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Trichlorofluoromethane      | 0.52      | U            | 1.0 | 0.52 | ug/L |   |          | 11/09/23 07:59 | 1       |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-649352/4

Matrix: Water

Analysis Batch: 649352

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| 1,2,3-Trichloropropane                | 0.84      | U            | 5.0 | 0.84 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82      | U            | 1.0 | 0.82 | ug/L |   |          | 11/09/23 07:59 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56      | U            | 1.0 | 0.56 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Vinyl acetate                         | 0.93      | U            | 25  | 0.93 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Vinyl chloride                        | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/09/23 07:59 | 1       |
| o-Xylene                              | 0.60      | U            | 5.0 | 0.60 | ug/L |   |          | 11/09/23 07:59 | 1       |
| m-Xylene & p-Xylene                   | 0.63      | U            | 5.0 | 0.63 | ug/L |   |          | 11/09/23 07:59 | 1       |
| Xylenes, Total                        | 1.6       | U            | 10  | 1.6  | ug/L |   |          | 11/09/23 07:59 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 104          |              | 72 - 130 |          | 11/09/23 07:59 | 1       |
| Dibromofluoromethane         | 93           |              | 75 - 126 |          | 11/09/23 07:59 | 1       |
| Toluene-d8 (Surr)            | 102          |              | 64 - 132 |          | 11/09/23 07:59 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 95           |              | 67 - 134 |          | 11/09/23 07:59 | 1       |

Lab Sample ID: LCS 400-649352/1002

Matrix: Water

Analysis Batch: 649352

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Acetone                     | 200         | 186        |               | ug/L |   | 93   | 43 - 160    |
| Acrylonitrile               | 500         | 460        |               | ug/L |   | 92   | 64 - 142    |
| Benzene                     | 50.0        | 55.4       |               | ug/L |   | 111  | 70 - 130    |
| Bromobenzene                | 50.0        | 55.5       |               | ug/L |   | 111  | 70 - 132    |
| Bromochloromethane          | 50.0        | 46.4       |               | ug/L |   | 93   | 70 - 130    |
| Bromodichloromethane        | 50.0        | 49.7       |               | ug/L |   | 99   | 67 - 133    |
| Bromoform                   | 50.0        | 53.4       |               | ug/L |   | 107  | 57 - 140    |
| Bromomethane                | 25.0        | 20.5       |               | ug/L |   | 82   | 10 - 160    |
| 2-Butanone (MEK)            | 200         | 191        |               | ug/L |   | 96   | 61 - 145    |
| n-Butylbenzene              | 50.0        | 60.7       |               | ug/L |   | 121  | 67 - 130    |
| sec-Butylbenzene            | 50.0        | 59.1       |               | ug/L |   | 118  | 66 - 130    |
| tert-Butylbenzene           | 50.0        | 55.0       |               | ug/L |   | 110  | 64 - 139    |
| Carbon disulfide            | 50.0        | 51.9       |               | ug/L |   | 104  | 61 - 137    |
| Carbon tetrachloride        | 50.0        | 50.4       |               | ug/L |   | 101  | 61 - 137    |
| Chlorobenzene               | 50.0        | 56.1       |               | ug/L |   | 112  | 70 - 130    |
| Chloroethane                | 25.0        | 22.4       |               | ug/L |   | 90   | 55 - 141    |
| Chloroform                  | 50.0        | 48.3       |               | ug/L |   | 97   | 69 - 130    |
| Chloromethane               | 25.0        | 30.2       |               | ug/L |   | 121  | 58 - 137    |
| 2-Chlorotoluene             | 50.0        | 56.9       |               | ug/L |   | 114  | 70 - 130    |
| 4-Chlorotoluene             | 50.0        | 57.2       |               | ug/L |   | 114  | 70 - 130    |
| Dibromochloromethane        | 50.0        | 52.4       |               | ug/L |   | 105  | 67 - 135    |
| 1,2-Dibromo-3-Chloropropane | 50.0        | 46.1       |               | ug/L |   | 92   | 54 - 135    |
| 1,2-Dibromoethane           | 50.0        | 48.0       |               | ug/L |   | 96   | 70 - 130    |
| Dibromomethane              | 50.0        | 43.7       |               | ug/L |   | 87   | 70 - 130    |
| 1,2-Dichlorobenzene         | 50.0        | 54.3       |               | ug/L |   | 109  | 67 - 130    |
| 1,3-Dichlorobenzene         | 50.0        | 58.5       |               | ug/L |   | 117  | 70 - 130    |
| 1,4-Dichlorobenzene         | 50.0        | 57.2       |               | ug/L |   | 114  | 70 - 130    |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-649352/1002

Matrix: Water

Analysis Batch: 649352

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| trans-1,4-Dichloro-2-butene           | 50.0        | 43.3       |               | ug/L |   | 87   | 57 - 140    |
| Dichlorodifluoromethane               | 25.0        | 15.8       |               | ug/L |   | 63   | 41 - 146    |
| 1,1-Dichloroethane                    | 50.0        | 52.9       |               | ug/L |   | 106  | 70 - 130    |
| 1,2-Dichloroethane                    | 50.0        | 42.7       |               | ug/L |   | 85   | 69 - 130    |
| cis-1,2-Dichloroethene                | 50.0        | 51.9       |               | ug/L |   | 104  | 68 - 130    |
| trans-1,2-Dichloroethene              | 50.0        | 52.4       |               | ug/L |   | 105  | 70 - 130    |
| 1,1-Dichloroethene                    | 50.0        | 51.1       |               | ug/L |   | 102  | 63 - 134    |
| 1,2-Dichloropropane                   | 50.0        | 56.1       |               | ug/L |   | 112  | 70 - 130    |
| 1,3-Dichloropropane                   | 50.0        | 51.2       |               | ug/L |   | 102  | 70 - 130    |
| 2,2-Dichloropropane                   | 50.0        | 50.0       |               | ug/L |   | 100  | 52 - 135    |
| 1,1-Dichloropropene                   | 50.0        | 53.5       |               | ug/L |   | 107  | 70 - 130    |
| cis-1,3-Dichloropropene               | 50.0        | 52.5       |               | ug/L |   | 105  | 69 - 132    |
| trans-1,3-Dichloropropene             | 50.0        | 51.3       |               | ug/L |   | 103  | 63 - 130    |
| Ethylbenzene                          | 50.0        | 58.7       |               | ug/L |   | 117  | 70 - 130    |
| Hexachlorobutadiene                   | 50.0        | 79.9       | *+            | ug/L |   | 160  | 53 - 140    |
| 2-Hexanone                            | 200         | 208        |               | ug/L |   | 104  | 65 - 137    |
| Iodomethane                           | 50.0        | 42.9       |               | ug/L |   | 86   | 27 - 159    |
| Isopropylbenzene                      | 50.0        | 58.3       |               | ug/L |   | 117  | 70 - 130    |
| p-Isopropyltoluene                    | 50.0        | 59.2       |               | ug/L |   | 118  | 65 - 130    |
| Methylene Chloride                    | 50.0        | 51.5       |               | ug/L |   | 103  | 66 - 135    |
| 4-Methyl-2-pentanone (MIBK)           | 200         | 169        |               | ug/L |   | 85   | 69 - 138    |
| Methyl tert-butyl ether               | 50.0        | 45.6       |               | ug/L |   | 91   | 66 - 130    |
| Naphthalene                           | 50.0        | 45.6       |               | ug/L |   | 91   | 47 - 149    |
| N-Propylbenzene                       | 50.0        | 58.9       |               | ug/L |   | 118  | 70 - 130    |
| Styrene                               | 50.0        | 55.2       |               | ug/L |   | 110  | 70 - 130    |
| 1,1,1,2-Tetrachloroethane             | 50.0        | 57.3       |               | ug/L |   | 115  | 67 - 131    |
| 1,1,2,2-Tetrachloroethane             | 50.0        | 45.8       |               | ug/L |   | 92   | 70 - 131    |
| Tetrachloroethylene                   | 50.0        | 56.4       |               | ug/L |   | 113  | 65 - 130    |
| Toluene                               | 50.0        | 57.1       |               | ug/L |   | 114  | 70 - 130    |
| 1,2,3-Trichlorobenzene                | 50.0        | 59.6       |               | ug/L |   | 119  | 60 - 138    |
| 1,2,4-Trichlorobenzene                | 50.0        | 63.2       |               | ug/L |   | 126  | 60 - 140    |
| 1,1,1-Trichloroethane                 | 50.0        | 48.9       |               | ug/L |   | 98   | 68 - 130    |
| 1,1,2-Trichloroethane                 | 50.0        | 51.6       |               | ug/L |   | 103  | 70 - 130    |
| Trichloroethene                       | 50.0        | 53.2       |               | ug/L |   | 106  | 70 - 130    |
| Trichlorofluoromethane                | 25.0        | 21.8       |               | ug/L |   | 87   | 65 - 138    |
| 1,2,3-Trichloropropane                | 50.0        | 42.7       |               | ug/L |   | 85   | 70 - 130    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 53.8       |               | ug/L |   | 108  | 60 - 139    |
| 1,2,4-Trimethylbenzene                | 50.0        | 56.9       |               | ug/L |   | 114  | 70 - 130    |
| 1,3,5-Trimethylbenzene                | 50.0        | 56.6       |               | ug/L |   | 113  | 69 - 130    |
| Vinyl acetate                         | 50.0        | 45.3       |               | ug/L |   | 91   | 26 - 160    |
| Vinyl chloride                        | 25.0        | 24.7       |               | ug/L |   | 99   | 59 - 136    |
| o-Xylene                              | 50.0        | 58.0       |               | ug/L |   | 116  | 70 - 130    |
| m-Xylene & p-Xylene                   | 50.0        | 59.4       |               | ug/L |   | 119  | 70 - 130    |
| Xylenes, Total                        | 100         | 117        |               | ug/L |   | 117  | 70 - 130    |

| Surrogate            | LCS %Recovery | LCS Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene | 100           |               | 72 - 130 |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-649352/1002

Matrix: Water

Analysis Batch: 649352

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate                    | LCS LCS   |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| Dibromofluoromethane         | 87        |           | 75 - 126 |
| Toluene-d8 (Surr)            | 99        |           | 64 - 132 |
| 1,2-Dichloroethane-d4 (Surr) | 85        |           | 67 - 134 |

Lab Sample ID: MB 400-650746/4

Matrix: Water

Analysis Batch: 650746

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB MB  |           | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
|                             | Result | Qualifier |     |      |      |   |          |                |         |
| Acetone                     | 10     | U         | 25  | 10   | ug/L |   |          | 11/17/23 07:53 | 1       |
| Acrylonitrile               | 2.8    | U         | 10  | 2.8  | ug/L |   |          | 11/17/23 07:53 | 1       |
| Benzene                     | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Bromobenzene                | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Bromochloromethane          | 0.21   | U         | 1.0 | 0.21 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Bromodichloromethane        | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Bromoform                   | 0.25   | U         | 5.0 | 0.25 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Bromomethane                | 0.98   | U         | 1.0 | 0.98 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 2-Butanone (MEK)            | 2.6    | U         | 25  | 2.6  | ug/L |   |          | 11/17/23 07:53 | 1       |
| n-Butylbenzene              | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/17/23 07:53 | 1       |
| sec-Butylbenzene            | 0.70   | U         | 1.0 | 0.70 | ug/L |   |          | 11/17/23 07:53 | 1       |
| tert-Butylbenzene           | 0.63   | U         | 1.0 | 0.63 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Carbon disulfide            | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Carbon tetrachloride        | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Chlorobenzene               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Chloroethane                | 0.76   | U         | 1.0 | 0.76 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Chloroform                  | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Chloromethane               | 0.90   | U         | 1.0 | 0.90 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 2-Chlorotoluene             | 0.57   | U         | 1.0 | 0.57 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 4-Chlorotoluene             | 0.56   | U         | 1.0 | 0.56 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Dibromochloromethane        | 0.24   | U         | 1.0 | 0.24 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,2-Dibromo-3-Chloropropane | 1.5    | U         | 5.0 | 1.5  | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,2-Dibromoethane           | 0.23   | U         | 1.0 | 0.23 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Dibromomethane              | 0.22   | U         | 5.0 | 0.22 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,2-Dichlorobenzene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,3-Dichlorobenzene         | 0.54   | U         | 1.0 | 0.54 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,4-Dichlorobenzene         | 0.64   | U         | 1.0 | 0.64 | ug/L |   |          | 11/17/23 07:53 | 1       |
| trans-1,4-Dichloro-2-butene | 1.0    | U         | 5.0 | 1.0  | ug/L |   |          | 11/17/23 07:53 | 1       |
| Dichlorodifluoromethane     | 0.85   | U         | 1.0 | 0.85 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,1-Dichloroethane          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,2-Dichloroethane          | 0.19   | U         | 1.0 | 0.19 | ug/L |   |          | 11/17/23 07:53 | 1       |
| cis-1,2-Dichloroethene      | 0.20   | U         | 1.0 | 0.20 | ug/L |   |          | 11/17/23 07:53 | 1       |
| trans-1,2-Dichloroethene    | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,1-Dichloroethene          | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,3-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 2,2-Dichloropropane         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,1-Dichloropropene         | 0.50   | U         | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| cis-1,3-Dichloropropene     | 0.50   | U         | 5.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 400-650746/4

Matrix: Water

Analysis Batch: 650746

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| trans-1,3-Dichloropropene             | 0.20      | U            | 5.0 | 0.20 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Ethylbenzene                          | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Hexachlorobutadiene                   | 0.90      | U            | 5.0 | 0.90 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 2-Hexanone                            | 1.4       | U            | 25  | 1.4  | ug/L |   |          | 11/17/23 07:53 | 1       |
| Iodomethane                           | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Isopropylbenzene                      | 0.53      | U            | 1.0 | 0.53 | ug/L |   |          | 11/17/23 07:53 | 1       |
| p-Isopropyltoluene                    | 0.71      | U            | 1.0 | 0.71 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Methylene Chloride                    | 3.0       | U            | 5.0 | 3.0  | ug/L |   |          | 11/17/23 07:53 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | 1.8       | U            | 25  | 1.8  | ug/L |   |          | 11/17/23 07:53 | 1       |
| Methyl tert-butyl ether               | 0.22      | U            | 1.0 | 0.22 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Naphthalene                           | 3.0       | U            | 5.0 | 3.0  | ug/L |   |          | 11/17/23 07:53 | 1       |
| N-Propylbenzene                       | 0.69      | U            | 1.0 | 0.69 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Styrene                               | 1.0       | U            | 1.0 | 1.0  | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,1,1,2-Tetrachloroethane             | 0.16      | U            | 1.0 | 0.16 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,1,2,2-Tetrachloroethane             | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Tetrachloroethylene                   | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Toluene                               | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,2,3-Trichlorobenzene                | 0.90      | U            | 1.0 | 0.90 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,2,4-Trichlorobenzene                | 0.82      | U            | 1.0 | 0.82 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,1,1-Trichloroethane                 | 0.18      | U            | 1.0 | 0.18 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,1,2-Trichloroethane                 | 0.21      | U            | 5.0 | 0.21 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Trichloroethene                       | 0.15      | U            | 1.0 | 0.15 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Trichlorofluoromethane                | 0.52      | U            | 1.0 | 0.52 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,2,3-Trichloropropane                | 0.84      | U            | 5.0 | 0.84 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,2,4-Trimethylbenzene                | 0.82      | U            | 1.0 | 0.82 | ug/L |   |          | 11/17/23 07:53 | 1       |
| 1,3,5-Trimethylbenzene                | 0.56      | U            | 1.0 | 0.56 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Vinyl acetate                         | 0.93      | U            | 25  | 0.93 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Vinyl chloride                        | 0.50      | U            | 1.0 | 0.50 | ug/L |   |          | 11/17/23 07:53 | 1       |
| o-Xylene                              | 0.60      | U            | 5.0 | 0.60 | ug/L |   |          | 11/17/23 07:53 | 1       |
| m-Xylene & p-Xylene                   | 0.63      | U            | 5.0 | 0.63 | ug/L |   |          | 11/17/23 07:53 | 1       |
| Xylenes, Total                        | 1.6       | U            | 10  | 1.6  | ug/L |   |          | 11/17/23 07:53 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene         | 104          |              | 72 - 130 |          | 11/17/23 07:53 | 1       |
| Dibromofluoromethane         | 98           |              | 75 - 126 |          | 11/17/23 07:53 | 1       |
| Toluene-d8 (Surr)            | 99           |              | 64 - 132 |          | 11/17/23 07:53 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 99           |              | 67 - 134 |          | 11/17/23 07:53 | 1       |

Lab Sample ID: LCS 400-650746/1002

Matrix: Water

Analysis Batch: 650746

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------|-------------|------------|---------------|------|---|------|-------------|
| Acetone       | 200         | 222        |               | ug/L |   | 111  | 43 - 160    |
| Acrylonitrile | 500         | 518        |               | ug/L |   | 104  | 64 - 142    |
| Benzene       | 50.0        | 51.9       |               | ug/L |   | 104  | 70 - 130    |
| Bromobenzene  | 50.0        | 51.6       |               | ug/L |   | 103  | 70 - 132    |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-650746/1002

Matrix: Water

Analysis Batch: 650746

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Bromochloromethane          | 50.0        | 47.2       |               | ug/L |   | 94   | 70 - 130    |
| Bromodichloromethane        | 50.0        | 51.9       |               | ug/L |   | 104  | 67 - 133    |
| Bromoform                   | 50.0        | 53.9       |               | ug/L |   | 108  | 57 - 140    |
| Bromomethane                | 25.0        | 20.1       |               | ug/L |   | 80   | 10 - 160    |
| 2-Butanone (MEK)            | 200         | 231        |               | ug/L |   | 115  | 61 - 145    |
| n-Butylbenzene              | 50.0        | 52.0       |               | ug/L |   | 104  | 67 - 130    |
| sec-Butylbenzene            | 50.0        | 51.8       |               | ug/L |   | 104  | 66 - 130    |
| tert-Butylbenzene           | 50.0        | 56.3       |               | ug/L |   | 113  | 64 - 139    |
| Carbon disulfide            | 50.0        | 51.1       |               | ug/L |   | 102  | 61 - 137    |
| Carbon tetrachloride        | 50.0        | 51.5       |               | ug/L |   | 103  | 61 - 137    |
| Chlorobenzene               | 50.0        | 51.0       |               | ug/L |   | 102  | 70 - 130    |
| Chloroethane                | 25.0        | 20.0       |               | ug/L |   | 80   | 55 - 141    |
| Chloroform                  | 50.0        | 48.1       |               | ug/L |   | 96   | 69 - 130    |
| Chloromethane               | 25.0        | 22.4       |               | ug/L |   | 90   | 58 - 137    |
| 2-Chlorotoluene             | 50.0        | 48.7       |               | ug/L |   | 97   | 70 - 130    |
| 4-Chlorotoluene             | 50.0        | 51.6       |               | ug/L |   | 103  | 70 - 130    |
| Dibromochloromethane        | 50.0        | 50.4       |               | ug/L |   | 101  | 67 - 135    |
| 1,2-Dibromo-3-Chloropropane | 50.0        | 45.3       |               | ug/L |   | 91   | 54 - 135    |
| 1,2-Dibromoethane           | 50.0        | 46.1       |               | ug/L |   | 92   | 70 - 130    |
| Dibromomethane              | 50.0        | 47.5       |               | ug/L |   | 95   | 70 - 130    |
| 1,2-Dichlorobenzene         | 50.0        | 50.7       |               | ug/L |   | 101  | 67 - 130    |
| 1,3-Dichlorobenzene         | 50.0        | 52.1       |               | ug/L |   | 104  | 70 - 130    |
| 1,4-Dichlorobenzene         | 50.0        | 52.4       |               | ug/L |   | 105  | 70 - 130    |
| trans-1,4-Dichloro-2-butene | 50.0        | 44.7       |               | ug/L |   | 89   | 57 - 140    |
| Dichlorodifluoromethane     | 25.0        | 10.3       |               | ug/L |   | 41   | 41 - 146    |
| 1,1-Dichloroethane          | 50.0        | 54.8       |               | ug/L |   | 110  | 70 - 130    |
| 1,2-Dichloroethane          | 50.0        | 46.3       |               | ug/L |   | 93   | 69 - 130    |
| cis-1,2-Dichloroethene      | 50.0        | 53.1       |               | ug/L |   | 106  | 68 - 130    |
| trans-1,2-Dichloroethene    | 50.0        | 51.1       |               | ug/L |   | 102  | 70 - 130    |
| 1,1-Dichloroethene          | 50.0        | 48.6       |               | ug/L |   | 97   | 63 - 134    |
| 1,2-Dichloropropane         | 50.0        | 54.6       |               | ug/L |   | 109  | 70 - 130    |
| 1,3-Dichloropropane         | 50.0        | 50.3       |               | ug/L |   | 101  | 70 - 130    |
| 2,2-Dichloropropane         | 50.0        | 49.4       |               | ug/L |   | 99   | 52 - 135    |
| 1,1-Dichloropropene         | 50.0        | 52.0       |               | ug/L |   | 104  | 70 - 130    |
| cis-1,3-Dichloropropene     | 50.0        | 54.2       |               | ug/L |   | 108  | 69 - 132    |
| trans-1,3-Dichloropropene   | 50.0        | 50.1       |               | ug/L |   | 100  | 63 - 130    |
| Ethylbenzene                | 50.0        | 52.9       |               | ug/L |   | 106  | 70 - 130    |
| Hexachlorobutadiene         | 50.0        | 70.5       | *+            | ug/L |   | 141  | 53 - 140    |
| 2-Hexanone                  | 200         | 233        |               | ug/L |   | 117  | 65 - 137    |
| Iodomethane                 | 50.0        | 48.7       |               | ug/L |   | 97   | 27 - 159    |
| Isopropylbenzene            | 50.0        | 51.4       |               | ug/L |   | 103  | 70 - 130    |
| p-Isopropyltoluene          | 50.0        | 51.9       |               | ug/L |   | 104  | 65 - 130    |
| Methylene Chloride          | 50.0        | 48.8       |               | ug/L |   | 98   | 66 - 135    |
| 4-Methyl-2-pentanone (MIBK) | 200         | 197        |               | ug/L |   | 98   | 69 - 138    |
| Methyl tert-butyl ether     | 50.0        | 48.4       |               | ug/L |   | 97   | 66 - 130    |
| Naphthalene                 | 50.0        | 46.0       |               | ug/L |   | 92   | 47 - 149    |
| N-Propylbenzene             | 50.0        | 52.7       |               | ug/L |   | 105  | 70 - 130    |
| Styrene                     | 50.0        | 48.5       |               | ug/L |   | 97   | 70 - 130    |
| 1,1,1,2-Tetrachloroethane   | 50.0        | 51.7       |               | ug/L |   | 103  | 67 - 131    |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-650746/1002

Matrix: Water

Analysis Batch: 650746

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1,1,2,2-Tetrachloroethane             | 50.0        | 46.6       |               | ug/L |   | 93   | 70 - 131    |
| Tetrachloroethylene                   | 50.0        | 50.1       |               | ug/L |   | 100  | 65 - 130    |
| Toluene                               | 50.0        | 51.8       |               | ug/L |   | 104  | 70 - 130    |
| 1,2,3-Trichlorobenzene                | 50.0        | 58.2       |               | ug/L |   | 116  | 60 - 138    |
| 1,2,4-Trichlorobenzene                | 50.0        | 58.6       |               | ug/L |   | 117  | 60 - 140    |
| 1,1,1-Trichloroethane                 | 50.0        | 48.7       |               | ug/L |   | 97   | 68 - 130    |
| 1,1,2-Trichloroethane                 | 50.0        | 50.0       |               | ug/L |   | 100  | 70 - 130    |
| Trichloroethene                       | 50.0        | 50.7       |               | ug/L |   | 101  | 70 - 130    |
| Trichlorofluoromethane                | 25.0        | 20.5       |               | ug/L |   | 82   | 65 - 138    |
| 1,2,3-Trichloropropane                | 50.0        | 43.5       |               | ug/L |   | 87   | 70 - 130    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 50.0        | 47.3       |               | ug/L |   | 95   | 60 - 139    |
| 1,2,4-Trimethylbenzene                | 50.0        | 50.9       |               | ug/L |   | 102  | 70 - 130    |
| 1,3,5-Trimethylbenzene                | 50.0        | 51.4       |               | ug/L |   | 103  | 69 - 130    |
| Vinyl acetate                         | 50.0        | 50.9       |               | ug/L |   | 102  | 26 - 160    |
| Vinyl chloride                        | 25.0        | 20.6       |               | ug/L |   | 82   | 59 - 136    |
| o-Xylene                              | 50.0        | 51.6       |               | ug/L |   | 103  | 70 - 130    |
| m-Xylene & p-Xylene                   | 50.0        | 52.8       |               | ug/L |   | 106  | 70 - 130    |
| Xylenes, Total                        | 100         | 104        |               | ug/L |   | 104  | 70 - 130    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene         | 105           |               | 72 - 130 |
| Dibromofluoromethane         | 94            |               | 75 - 126 |
| Toluene-d8 (Surr)            | 98            |               | 64 - 132 |
| 1,2-Dichloroethane-d4 (Surr) | 96            |               | 67 - 134 |

## Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-806311/9

Matrix: Water

Analysis Batch: 806311

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Ethane  | 0.30      | U            | 1.1  | 0.30 | ug/L |   |          | 11/03/23 14:52 | 1       |
| Ethene  | 0.31      | U            | 1.0  | 0.31 | ug/L |   |          | 11/03/23 14:52 | 1       |
| Methane | 0.57      | U            | 0.58 | 0.57 | ug/L |   |          | 11/03/23 14:52 | 1       |

Lab Sample ID: LCS 680-806311/3

Matrix: Water

Analysis Batch: 806311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------|-------------|------------|---------------|------|---|------|-------------|
| Methane (TCD) | 1920        | 2040       |               | ug/L |   | 106  | 75 - 125    |

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# QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCS 680-806311/6

Matrix: Water

Analysis Batch: 806311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Ethane  | 361         | 346        |               | ug/L |   | 96   | 75 - 125    |
| Ethene  | 337         | 308        |               | ug/L |   | 92   | 75 - 125    |
| Methane | 192         | 178        |               | ug/L |   | 93   | 75 - 125    |

Lab Sample ID: LCSD 680-806311/4

Matrix: Water

Analysis Batch: 806311

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Methane (TCD) | 1920        | 2020        |                | ug/L |   | 105  | 75 - 125    | 1   | 30        |

Lab Sample ID: LCSD 680-806311/7

Matrix: Water

Analysis Batch: 806311

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Ethane  | 361         | 409         |                | ug/L |   | 114  | 75 - 125    | 17  | 30        |
| Ethene  | 337         | 365         |                | ug/L |   | 109  | 75 - 125    | 17  | 30        |
| Methane | 192         | 210         |                | ug/L |   | 109  | 75 - 125    | 17  | 30        |

## Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-807772/2

Matrix: Water

Analysis Batch: 807772

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Total Organic Carbon        | 0.50      | U            | 1.0 | 0.50 | mg/L |   |          | 11/10/23 22:53 | 1       |
| Total Organic Carbon - Quad | 0.50      | U            | 1.0 | 0.50 | mg/L |   |          | 11/10/23 22:53 | 1       |

Lab Sample ID: LCS 680-807772/3

Matrix: Water

Analysis Batch: 807772

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Organic Carbon        | 20.0        | 18.2       |               | mg/L |   | 91   | 80 - 120    |
| Total Organic Carbon - Quad | 20.0        | 18.2       |               | mg/L |   | 91   | 80 - 120    |
| TOC Result 1                | 20.0        | 17.9       |               | mg/L |   | 90   | 80 - 120    |
| TOC Result 2                | 20.0        | 18.2       |               | mg/L |   | 91   | 80 - 120    |
| TOC Result 3                | 20.0        | 18.3       |               | mg/L |   | 91   | 80 - 120    |
| TOC Result 4                | 20.0        | 18.4       |               | mg/L |   | 92   | 80 - 120    |

Lab Sample ID: LCSD 680-807772/4

Matrix: Water

Analysis Batch: 807772

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Total Organic Carbon        | 20.0        | 18.2        |                | mg/L |   | 91   | 80 - 120    | 0   | 25        |
| Total Organic Carbon - Quad | 20.0        | 18.2        |                | mg/L |   | 91   | 80 - 120    | 0   | 25        |
| TOC Result 1                | 20.0        | 18.0        |                | mg/L |   | 90   | 80 - 120    | 0   | 25        |

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## QC Sample Results

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

### Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCSD 680-807772/4

Matrix: Water

Analysis Batch: 807772

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte      | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| TOC Result 2 | 20.0           | 18.1           |                   | mg/L |   | 90   | 80 - 120       | 1   | 25           |
| TOC Result 3 | 20.0           | 18.3           |                   | mg/L |   | 92   | 80 - 120       | 0   | 25           |
| TOC Result 4 | 20.0           | 18.6           |                   | mg/L |   | 93   | 80 - 120       | 1   | 25           |

# QC Association Summary

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## GC/MS VOA

### Analysis Batch: 648802

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-242317-1        | PPMP-66-MW04       | Total/NA  | Water  | 8260D  |            |
| 680-242317-2        | PPMP-66-MW11       | Total/NA  | Water  | 8260D  |            |
| 680-242317-3        | PPMP-66-MW07       | Total/NA  | Water  | 8260D  |            |
| 680-242317-4        | PPMP-66-MW13       | Total/NA  | Water  | 8260D  |            |
| 680-242317-7        | PPMP-66-MW01       | Total/NA  | Water  | 8260D  |            |
| 680-242317-8        | DUP428             | Total/NA  | Water  | 8260D  |            |
| 680-242317-10       | PPMP-66-MW22       | Total/NA  | Water  | 8260D  |            |
| 680-242317-11       | PPMP-66-MW16       | Total/NA  | Water  | 8260D  |            |
| 680-242317-15       | PPMP-66-MW24R      | Total/NA  | Water  | 8260D  |            |
| 680-242317-16       | PPMP-66-MW14       | Total/NA  | Water  | 8260D  |            |
| MB 400-648802/5     | Method Blank       | Total/NA  | Water  | 8260D  |            |
| LCS 400-648802/1002 | Lab Control Sample | Total/NA  | Water  | 8260D  |            |
| 680-242317-4 MS     | PPMP-66-MW13       | Total/NA  | Water  | 8260D  |            |
| 680-242317-4 MSD    | PPMP-66-MW13       | Total/NA  | Water  | 8260D  |            |

### Analysis Batch: 649001

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-242317-5        | PPMP-66-MW17       | Total/NA  | Water  | 8260D  |            |
| 680-242317-6        | PPMP-66-MW18R      | Total/NA  | Water  | 8260D  |            |
| 680-242317-7        | PPMP-66-MW01       | Total/NA  | Water  | 8260D  |            |
| 680-242317-12       | PPMP-66-MW08       | Total/NA  | Water  | 8260D  |            |
| 680-242317-13       | PPMP-66-MW23R      | Total/NA  | Water  | 8260D  |            |
| 680-242317-14       | PPMP-66-MW02RR     | Total/NA  | Water  | 8260D  |            |
| 680-242317-17       | PPMP-66-MW06R      | Total/NA  | Water  | 8260D  |            |
| 680-242317-18       | DUP427             | Total/NA  | Water  | 8260D  |            |
| MB 400-649001/4     | Method Blank       | Total/NA  | Water  | 8260D  |            |
| LCS 400-649001/1002 | Lab Control Sample | Total/NA  | Water  | 8260D  |            |
| 680-242317-12 MS    | PPMP-66-MW08       | Total/NA  | Water  | 8260D  |            |
| 680-242317-12 MSD   | PPMP-66-MW08       | Total/NA  | Water  | 8260D  |            |

### Analysis Batch: 649352

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-242317-9        | TB 616             | Total/NA  | Water  | 8260D  |            |
| 680-242317-9 - RA   | TB 616             | Total/NA  | Water  | 8260D  |            |
| 680-242317-19       | EB 150             | Total/NA  | Water  | 8260D  |            |
| 680-242317-20       | MATERIAL 117       | Total/NA  | Water  | 8260D  |            |
| MB 400-649352/4     | Method Blank       | Total/NA  | Water  | 8260D  |            |
| LCS 400-649352/1002 | Lab Control Sample | Total/NA  | Water  | 8260D  |            |

### Analysis Batch: 650746

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 680-242317-13 - RA  | PPMP-66-MW23R      | Total/NA  | Water  | 8260D  |            |
| 680-242317-14 - RA  | PPMP-66-MW02RR     | Total/NA  | Water  | 8260D  |            |
| 680-242317-17 - RA  | PPMP-66-MW06R      | Total/NA  | Water  | 8260D  |            |
| 680-242317-18 - RA  | DUP427             | Total/NA  | Water  | 8260D  |            |
| MB 400-650746/4     | Method Blank       | Total/NA  | Water  | 8260D  |            |
| LCS 400-650746/1002 | Lab Control Sample | Total/NA  | Water  | 8260D  |            |

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# QC Association Summary

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

## GC VOA

### Analysis Batch: 806311

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method  | Prep Batch |
|-------------------|------------------------|-----------|--------|---------|------------|
| 680-242317-13     | PPMP-66-MW23R          | Total/NA  | Water  | RSK-175 |            |
| 680-242317-14     | PPMP-66-MW02RR         | Total/NA  | Water  | RSK-175 |            |
| 680-242317-17     | PPMP-66-MW06R          | Total/NA  | Water  | RSK-175 |            |
| 680-242317-18     | DUP427                 | Total/NA  | Water  | RSK-175 |            |
| MB 680-806311/9   | Method Blank           | Total/NA  | Water  | RSK-175 |            |
| LCS 680-806311/3  | Lab Control Sample     | Total/NA  | Water  | RSK-175 |            |
| LCS 680-806311/6  | Lab Control Sample     | Total/NA  | Water  | RSK-175 |            |
| LCSD 680-806311/4 | Lab Control Sample Dup | Total/NA  | Water  | RSK-175 |            |
| LCSD 680-806311/7 | Lab Control Sample Dup | Total/NA  | Water  | RSK-175 |            |

## General Chemistry

### Analysis Batch: 807772

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 680-242317-13     | PPMP-66-MW23R          | Total/NA  | Water  | 9060A  |            |
| 680-242317-14     | PPMP-66-MW02RR         | Total/NA  | Water  | 9060A  |            |
| 680-242317-17     | PPMP-66-MW06R          | Total/NA  | Water  | 9060A  |            |
| 680-242317-18     | DUP427                 | Total/NA  | Water  | 9060A  |            |
| MB 680-807772/2   | Method Blank           | Total/NA  | Water  | 9060A  |            |
| LCS 680-807772/3  | Lab Control Sample     | Total/NA  | Water  | 9060A  |            |
| LCSD 680-807772/4 | Lab Control Sample Dup | Total/NA  | Water  | 9060A  |            |

# Lab Chronicle

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Client Sample ID: PPMP-66-MW04**

**Lab Sample ID: 680-242317-1**

**Date Collected: 10/23/23 10:15**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA              | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 648802       | 11/06/23 09:47       | WPD     | EET PEN |
| Instrument ID: Brutus |            |              |     |            |                |              |              |                      |         |         |

**Client Sample ID: PPMP-66-MW11**

**Lab Sample ID: 680-242317-2**

**Date Collected: 10/23/23 11:20**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA              | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 648802       | 11/06/23 10:11       | WPD     | EET PEN |
| Instrument ID: Brutus |            |              |     |            |                |              |              |                      |         |         |

**Client Sample ID: PPMP-66-MW07**

**Lab Sample ID: 680-242317-3**

**Date Collected: 10/23/23 12:35**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA              | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 648802       | 11/06/23 10:32       | WPD     | EET PEN |
| Instrument ID: Brutus |            |              |     |            |                |              |              |                      |         |         |

**Client Sample ID: PPMP-66-MW13**

**Lab Sample ID: 680-242317-4**

**Date Collected: 10/23/23 15:05**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA              | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 648802       | 11/06/23 09:25       | WPD     | EET PEN |
| Instrument ID: Brutus |            |              |     |            |                |              |              |                      |         |         |

**Client Sample ID: PPMP-66-MW17**

**Lab Sample ID: 680-242317-5**

**Date Collected: 10/24/23 12:55**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA              | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 649001       | 11/07/23 14:20       | WPD     | EET PEN |
| Instrument ID: Edison |            |              |     |            |                |              |              |                      |         |         |

**Client Sample ID: PPMP-66-MW18R**

**Lab Sample ID: 680-242317-6**

**Date Collected: 10/24/23 14:10**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA              | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 649001       | 11/07/23 14:38       | WPD     | EET PEN |
| Instrument ID: Edison |            |              |     |            |                |              |              |                      |         |         |

# Lab Chronicle

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Client Sample ID: PPMP-66-MW01**

**Lab Sample ID: 680-242317-7**

**Date Collected: 10/24/23 09:00**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type | Batch Method          | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|-----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260D                 |     | 1          | 5 mL           | 5 mL         | 648802       | 11/06/23 14:51       | WPD     | EET PEN |
|           |            | Instrument ID: Brutus |     |            |                |              |              |                      |         |         |
| Total/NA  | Analysis   | 8260D                 |     | 1          | 5 mL           | 5 mL         | 649001       | 11/07/23 14:57       | WPD     | EET PEN |
|           |            | Instrument ID: Edison |     |            |                |              |              |                      |         |         |

**Client Sample ID: DUP428**

**Lab Sample ID: 680-242317-8**

**Date Collected: 10/23/23 00:00**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type | Batch Method          | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|-----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260D                 |     | 1          | 5 mL           | 5 mL         | 648802       | 11/06/23 10:55       | WPD     | EET PEN |
|           |            | Instrument ID: Brutus |     |            |                |              |              |                      |         |         |

**Client Sample ID: TB 616**

**Lab Sample ID: 680-242317-9**

**Date Collected: 10/26/23 08:35**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type | Batch Method          | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|-----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260D                 |     | 1          | 5 mL           | 5 mL         | 649352       | 11/09/23 13:51       | WPD     | EET PEN |
|           |            | Instrument ID: Brutus |     |            |                |              |              |                      |         |         |
| Total/NA  | Analysis   | 8260D                 | RA  | 1          | 5 mL           | 5 mL         | 649352       | 11/09/23 17:21       | WPD     | EET PEN |
|           |            | Instrument ID: Brutus |     |            |                |              |              |                      |         |         |

**Client Sample ID: PPMP-66-MW22**

**Lab Sample ID: 680-242317-10**

**Date Collected: 10/24/23 10:20**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type | Batch Method          | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|-----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260D                 |     | 1          | 5 mL           | 5 mL         | 648802       | 11/06/23 15:15       | WPD     | EET PEN |
|           |            | Instrument ID: Brutus |     |            |                |              |              |                      |         |         |

**Client Sample ID: PPMP-66-MW16**

**Lab Sample ID: 680-242317-11**

**Date Collected: 10/24/23 11:30**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type | Batch Method          | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|-----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260D                 |     | 1          | 5 mL           | 5 mL         | 648802       | 11/06/23 15:39       | WPD     | EET PEN |
|           |            | Instrument ID: Brutus |     |            |                |              |              |                      |         |         |

**Client Sample ID: PPMP-66-MW08**

**Lab Sample ID: 680-242317-12**

**Date Collected: 10/25/23 08:30**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type | Batch Method          | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|-----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260D                 |     | 1          | 5 mL           | 5 mL         | 649001       | 11/07/23 15:15       | WPD     | EET PEN |
|           |            | Instrument ID: Edison |     |            |                |              |              |                      |         |         |

Eurofins Savannah

# Lab Chronicle

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Client Sample ID: PPMP-66-MW23R**

**Lab Sample ID: 680-242317-13**

**Date Collected: 10/25/23 14:25**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type            | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|-----------------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis              | 8260D        | RA  | 1          | 5 mL           | 5 mL         | 650746       | 11/17/23 09:28       | WPD     | EET PEN |
|           | Instrument ID: Brutus |              |     |            |                |              |              |                      |         |         |
| Total/NA  | Analysis              | 8260D        |     | 1          | 5 mL           | 5 mL         | 649001       | 11/07/23 15:34       | WPD     | EET PEN |
|           | Instrument ID: Edison |              |     |            |                |              |              |                      |         |         |
| Total/NA  | Analysis              | RSK-175      |     | 1          | 17 mL          | 17 mL        | 806311       | 11/03/23 19:58       | OK      | EET SAV |
|           | Instrument ID: CVGU   |              |     |            |                |              |              |                      |         |         |
| Total/NA  | Analysis              | 9060A        |     | 1          | 40 mL          | 40 mL        | 807772       | 11/11/23 00:03       | KMB     | EET SAV |
|           | Instrument ID: TOC7   |              |     |            |                |              |              |                      |         |         |

**Client Sample ID: PPMP-66-MW02RR**

**Lab Sample ID: 680-242317-14**

**Date Collected: 10/25/23 09:35**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type            | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|-----------------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis              | 8260D        | RA  | 1          | 5 mL           | 5 mL         | 650746       | 11/17/23 09:51       | WPD     | EET PEN |
|           | Instrument ID: Brutus |              |     |            |                |              |              |                      |         |         |
| Total/NA  | Analysis              | 8260D        |     | 1          | 5 mL           | 5 mL         | 649001       | 11/07/23 15:52       | WPD     | EET PEN |
|           | Instrument ID: Edison |              |     |            |                |              |              |                      |         |         |
| Total/NA  | Analysis              | RSK-175      |     | 1          | 17 mL          | 17 mL        | 806311       | 11/03/23 20:11       | OK      | EET SAV |
|           | Instrument ID: CVGU   |              |     |            |                |              |              |                      |         |         |
| Total/NA  | Analysis              | 9060A        |     | 1          | 40 mL          | 40 mL        | 807772       | 11/11/23 00:20       | KMB     | EET SAV |
|           | Instrument ID: TOC7   |              |     |            |                |              |              |                      |         |         |

**Client Sample ID: PPMP-66-MW24R**

**Lab Sample ID: 680-242317-15**

**Date Collected: 10/24/23 16:35**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type            | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|-----------------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis              | 8260D        |     | 1          | 5 mL           | 5 mL         | 648802       | 11/06/23 16:01       | WPD     | EET PEN |
|           | Instrument ID: Brutus |              |     |            |                |              |              |                      |         |         |

**Client Sample ID: PPMP-66-MW14**

**Lab Sample ID: 680-242317-16**

**Date Collected: 10/23/23 16:35**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type            | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|-----------------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis              | 8260D        |     | 1          | 5 mL           | 5 mL         | 648802       | 11/06/23 11:18       | WPD     | EET PEN |
|           | Instrument ID: Brutus |              |     |            |                |              |              |                      |         |         |

**Client Sample ID: PPMP-66-MW06R**

**Lab Sample ID: 680-242317-17**

**Date Collected: 10/25/23 15:45**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type            | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|-----------------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis              | 8260D        | RA  | 1          | 5 mL           | 5 mL         | 650746       | 11/17/23 10:13       | WPD     | EET PEN |
|           | Instrument ID: Brutus |              |     |            |                |              |              |                      |         |         |

Eurofins Savannah

# Lab Chronicle

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

**Client Sample ID: PPMP-66-MW06R**

**Lab Sample ID: 680-242317-17**

**Date Collected: 10/25/23 15:45**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type | Batch Method        | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|---------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260D               |     | 1          | 5 mL           | 5 mL         | 649001       | 11/07/23 17:06       | WPD     | EET PEN |
| Total/NA  | Analysis   | RSK-175             |     | 1          | 17 mL          | 17 mL        | 806311       | 11/03/23 20:24       | OK      | EET SAV |
|           |            | Instrument ID: CVGU |     |            |                |              |              |                      |         |         |
| Total/NA  | Analysis   | 9060A               |     | 1          | 40 mL          | 40 mL        | 807772       | 11/11/23 00:38       | KMB     | EET SAV |
|           |            | Instrument ID: TOC7 |     |            |                |              |              |                      |         |         |

**Client Sample ID: DUP427**

**Lab Sample ID: 680-242317-18**

**Date Collected: 10/25/23 00:00**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type | Batch Method          | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|-----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260D                 | RA  | 1          | 5 mL           | 5 mL         | 650746       | 11/17/23 10:35       | WPD     | EET PEN |
|           |            | Instrument ID: Brutus |     |            |                |              |              |                      |         |         |
| Total/NA  | Analysis   | 8260D                 |     | 1          | 5 mL           | 5 mL         | 649001       | 11/07/23 17:24       | WPD     | EET PEN |
|           |            | Instrument ID: Edison |     |            |                |              |              |                      |         |         |
| Total/NA  | Analysis   | RSK-175               |     | 1          | 17 mL          | 17 mL        | 806311       | 11/03/23 20:37       | OK      | EET SAV |
|           |            | Instrument ID: CVGU   |     |            |                |              |              |                      |         |         |
| Total/NA  | Analysis   | 9060A                 |     | 1          | 40 mL          | 40 mL        | 807772       | 11/11/23 00:54       | KMB     | EET SAV |
|           |            | Instrument ID: TOC7   |     |            |                |              |              |                      |         |         |

**Client Sample ID: EB 150**

**Lab Sample ID: 680-242317-19**

**Date Collected: 10/26/23 08:23**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type | Batch Method          | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|-----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260D                 |     | 1          | 5 mL           | 5 mL         | 649352       | 11/09/23 14:13       | WPD     | EET PEN |
|           |            | Instrument ID: Brutus |     |            |                |              |              |                      |         |         |

**Client Sample ID: MATERIAL 117**

**Lab Sample ID: 680-242317-20**

**Date Collected: 10/26/23 08:30**

**Matrix: Water**

**Date Received: 10/27/23 10:02**

| Prep Type | Batch Type | Batch Method          | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|-----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260D                 |     | 1          | 5 mL           | 5 mL         | 649352       | 11/09/23 14:37       | WPD     | EET PEN |
|           |            | Instrument ID: Brutus |     |            |                |              |              |                      |         |         |

## Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Savannah

## Accreditation/Certification Summary

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

### Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Alabama   | State   | 41450                 | 06-30-24        |
| Florida   | NELAP   | E87052                | 06-30-24        |

### Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority              | Program             | Identification Number | Expiration Date |
|------------------------|---------------------|-----------------------|-----------------|
| Alabama                | State               | 40150                 | 06-30-24        |
| ANAB                   | ISO/IEC 17025       | L2471                 | 02-22-26        |
| Arkansas DEQ           | State               | 88-00689              | 08-01-24        |
| California             | State               | 2510                  | 06-30-24        |
| Florida                | NELAP               | E81010                | 06-30-24        |
| Georgia                | State               | E81010(FL)            | 06-30-24        |
| Illinois               | NELAP               | 200041                | 10-09-24        |
| Kansas                 | NELAP               | E-10253               | 10-31-24        |
| Kentucky (UST)         | State               | 53                    | 06-30-24        |
| Louisiana (All)        | NELAP               | 30976                 | 06-30-24        |
| Louisiana (DW)         | State               | LA017                 | 12-31-23        |
| North Carolina (WW/SW) | State               | 314                   | 12-31-23        |
| Oklahoma               | NELAP               | 9810                  | 08-31-24        |
| Pennsylvania           | NELAP               | 68-00467              | 01-31-24        |
| South Carolina         | State               | 96026                 | 06-30-24        |
| Tennessee              | State               | TN02907               | 06-30-24        |
| Texas                  | NELAP               | T104704286            | 09-30-24        |
| US Fish & Wildlife     | US Federal Programs | A22340                | 06-30-24        |
| USDA                   | US Federal Programs | FLGNV23001            | 01-08-26        |
| USDA                   | US Federal Programs | P330-21-00056         | 05-17-24        |
| Virginia               | NELAP               | 460166                | 06-14-24        |
| West Virginia DEP      | State               | 136                   | 03-31-24        |
| West Virginia DEP      | State               | 136                   | 03-31-24        |

# Method Summary

Client: Matrix Environmental Services, LLC  
Project/Site: Parcel 66(7), Fmr Small Weapons Repair Shop

Job ID: 680-242317-1

| Method  | Method Description                  | Protocol | Laboratory |
|---------|-------------------------------------|----------|------------|
| 8260D   | Volatile Organic Compounds by GC/MS | SW846    | EET PEN    |
| RSK-175 | Dissolved Gases (GC)                | RSK      | EET SAV    |
| 9060A   | Organic Carbon, Total (TOC)         | SW846    | EET SAV    |
| 5030C   | Purge and Trap                      | SW846    | EET PEN    |

## Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001  
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory Eurofins  
 Lab Contact Noel Savoie and Beth Daughtry  
 MES Contact Betty Van Pelt  
 MES Phone 801-699-1246  
 Project Parcel 66(7), Fmr Small Weapons Repair Shop  
 Task # 23.094.24-22.1.500

COC Number 68019843  
 Cooler ID 1 of 1  
 Page 1 of 2

Analysis

| SWMU                                        | Station ID    | QC Code | Station Code | Matrix | Sample Method | Date Collected | Sample Time | Analysis                            |                                     |                                            |                                         |
|---------------------------------------------|---------------|---------|--------------|--------|---------------|----------------|-------------|-------------------------------------|-------------------------------------|--------------------------------------------|-----------------------------------------|
|                                             |               |         |              |        |               |                |             | SW826D - VOC*<br>3-40 mL vials, HCl | RSK-175-M,E,E<br>3-40 mL vials, HCl | TOC - SW9060<br>2-40 mL amber VOA<br>H2SO4 | SW8260B - VOC* TB<br>2-40 mL vials, HCl |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW04  | NS      | MW           | Water  | BP            | 10/23/2023     | 10:15       | X                                   |                                     |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW11  | NS      | MW           | Water  | BP            | 10/23/2023     | 11:20       | X                                   |                                     |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW07  | NS      | MW           | Water  | BP            | 10/23/2023     | 12:35       | X                                   |                                     |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW13  | NS      | MW           | Water  | BP            | 10/23/2023     | 15:05       | X                                   |                                     |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW13  | MS/MSD  | MW           | Water  | BP            | 10/23/2023     | 15:05       | X                                   |                                     |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW17  | NS      | MW           | Water  | BP            | 10/24/2023     | 12:55       | X                                   |                                     |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW18R | NS      | MW           | Water  | BP            | 10/24/2023     | 14:10       | X                                   |                                     |                                            |                                         |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW01  | NS      | MW           | Water  | BP            | 10/24/2023     | 9:00        | X                                   |                                     |                                            |                                         |
| McClellan Field QC                          | DUP428        | FD      | MW           | Water  | BP            | 10/23/2023     | N/A         | X                                   |                                     |                                            |                                         |
| McClellan Field QC                          | TB 616        | TB      | WQ           | Water  | G             | 10/26/2023     | 8:35        |                                     |                                     |                                            | X                                       |



680-242317 Chain of Custody

NOTES:

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water  
 Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water  
 Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump  
 White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt

Double the number of bottles for MS/MSD

Relinquished by (Signature): David Abernathy

Date/Time: 10-26-2023  
1030

Received by (Signature): Fedex

Received by (Signature):

OK 7A 10.27.23  
1002  
1.0/1.3

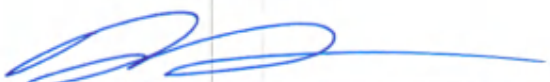
**MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD**

Laboratory Eurofins  
 Lab Contact Noel Savoie and Beth Daughtry  
 MES Contact Betty Van Pelt  
 MES Phone 801-699-1246  
 Project Parcel 66(7), Fmr Small Weapons Repair Shop  
 Task # 23.094.24-22.1

COC Number 68019843  
 Cooler ID 1 of 1  
 Page 2 of 2

**Analysis**

|                                       |                                       |                                           |                                          |
|---------------------------------------|---------------------------------------|-------------------------------------------|------------------------------------------|
| SW8260D - VOC*<br>3- 40 mL vials, HCl | RSK-175 -M,E,E<br>3- 40 mL vials, HCl | TOC - SW9060<br>3 - 40 mL amber VOA H2SO4 | SW8260B - VOC* TB<br>2- 40 mL vials, HCl |
|---------------------------------------|---------------------------------------|-------------------------------------------|------------------------------------------|

Samplers Signature 

| SWMU                                        | Station ID     | QC Code        | Station Code | Matrix | Sample Method | Date Collected | Sample Time | SW8260D - VOC*<br>3- 40 mL vials, HCl | RSK-175 -M,E,E<br>3- 40 mL vials, HCl | TOC - SW9060<br>3 - 40 mL amber VOA H2SO4 | SW8260B - VOC* TB<br>2- 40 mL vials, HCl |
|---------------------------------------------|----------------|----------------|--------------|--------|---------------|----------------|-------------|---------------------------------------|---------------------------------------|-------------------------------------------|------------------------------------------|
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW22   | NS             | MW           | Water  | BP            | 10/24/2023     | 10:20       | X                                     |                                       |                                           |                                          |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW16   | NS             | MW           | Water  | BP            | 10/24/2023     | 11:30       | X                                     |                                       |                                           |                                          |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW08   | NS             | MW           | Water  | BP            | 10/25/2023     | 8:30        | X                                     |                                       |                                           |                                          |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW23R  | NS             | MW           | Water  | BP            | 10/25/2023     | 14:25       | X                                     | X                                     | X                                         |                                          |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW02RR | NS             | MW           | Water  | BP            | 10/25/2023     | 9:35        | X                                     | X                                     | X                                         |                                          |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW24R  | NS             | MW           | Water  | BP            | 10/24/2023     | 16:35       | X                                     |                                       |                                           |                                          |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW14   | NS             | MW           | Water  | BP            | 10/23/2023     | 16:35       | X                                     |                                       |                                           |                                          |
| Parcel 66(7), Fmr Small Weapons Repair Shop | PPMP-66-MW06R  | NS             | MW           | Water  | BP            | 10/25/2023     | 15:45       | X                                     | X                                     | X                                         |                                          |
| McClellan Field QC                          | DUP427         | FD             | WQ           | Water  | BP            | 10/25/2023     | N/A         | X                                     | X                                     | X                                         |                                          |
| McClellan Field QC                          | EB 150         | EB             | WQ           | Water  | G             | 10/26/2023     | 8:23        | X                                     |                                       |                                           |                                          |
| McClellan Field QC                          | MATERIAL 117   | Material Blank | WQ           | Water  | G             | 10/26/2023     | 8:30        | X                                     |                                       |                                           |                                          |

**NOTES:**

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water  
 Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water  
 Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump  
 White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt  
 Double the number of bottles for MS/MSD

Relinquished by (Signature): 

Date/Time: 10-26-2023

Received by (Signature): 

Relinquished by (Signature): David Abernathy

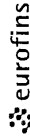
Date/Time: 1030

Received by (Signature):  TA 10-27-23  
 1002

# Eurofins Savannah

5102 LaRoche Avenue  
Savannah, GA 31404  
Phone: 912-354-7858 Fax: 912-352-0165

## Chain of Custody Record



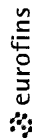
Environment Testing

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Client Information (Sub Contract Lab)</b><br>Client Contact:<br>Shipping/Receiving:<br>Company:<br>Address:<br>City:<br>State:<br>Zip:<br>Phone:<br>Email:<br>Project Name:<br>Parcel 66(7), Fmr Small Weapons Repair Shop<br>Site:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                           | Lab PM:<br>E-Mail:<br>State of Origin:<br>Carrier Tracking No(s):<br>State of Origin:<br>Job #:<br>Accreditations Required (See note):<br>NELAP - Florida, State - Alabama                                                                | COC No:<br>Page:<br>Job #:<br>Preservation Codes:<br>A - HCL<br>B - NaOH<br>C - Zn Acetate<br>D - Nitric Acid<br>E - NaHSO4<br>F - MeOH<br>G - Amchlor<br>H - Ascorbic Acid<br>I - Ice<br>J - DI Water<br>K - EDTA<br>L - EDA<br>Other:<br>M - Hexane<br>N - None<br>O - AsNaO2<br>P - Na2OAS<br>Q - Na2SO3<br>R - Na2SO4<br>S - H2SO4<br>T - TSP Dodecahydrate<br>U - Acetone<br>V - MCAA<br>W - pH 4-5<br>Y - Trizma<br>Z - other (specify) |
| Due Date Requested:<br>TAT Requested (days):<br>PO #:<br>WO #:<br>Project #:<br>SSOV#:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                           | Analysis Requested:                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sample Identification - Client ID (Lab ID)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                           | Special Instructions/Note:                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sample Date:<br>Sample Time:<br>Sample Type (C=Comp, G=grab):<br>Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Field Filtered Sample (Yes or No)<br>Perform MS/MSD (Yes or No)<br>2560D/5030C Volatile Organic Compounds                                                                                                                                 | Total Number of Containers:                                                                                                                                                                                                               | Special Instructions/Note:                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PPMP-66-MW04 (680-242317-1)<br>PPMP-66-MW11 (680-242317-2)<br>PPMP-66-MW07 (680-242317-3)<br>PPMP-66-MW13 (680-242317-4)<br>PPMP-66-MW13 (680-242317-4MS)<br>PPMP-66-MW13 (680-242317-4MSD)<br>PPMP-66-MW17 (680-242317-5)<br>PPMP-66-MW18R (680-242317-6)<br>PPMP-66-MW01 (680-242317-7)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10/15 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/24/23 Central<br>10/24/23 Central<br>10/24/23 Central | 10/15 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/23/23 Central<br>10/24/23 Central<br>10/24/23 Central<br>10/24/23 Central | use 10x rule<br>use 10x rule<br>use 10x rule<br>use 10x rule<br>use 10x rule<br>use 10x rule<br>use 10x rule<br>use 10x rule<br>use 10x rule<br>use 10x rule<br>use 10x rule                                                                                                                                                                                                                                                                  |
| Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Possible Hazard Identification<br>Unconfirmed<br>Deliverable Requested I, II, III, IV, Other (specify)<br>Primary Deliverable Rank: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)<br><input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Special Instructions/QC Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Empty Kit Relinquished by:<br>Date:<br>Time:<br>Method of Shipment:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Relinquished by:<br>Date:<br>Time:<br>Company:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Relinquished by:<br>Date:<br>Time:<br>Company:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Relinquished by:<br>Date:<br>Time:<br>Company:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Custody Seals Intact:<br>Δ Yes Δ No<br>Custody Seal No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Eurofins Savannah

5102 LaRoche Avenue  
Savannah, GA 31404  
Phone: 912-354-7858 Fax: 912-352-0165

## Chain of Custody Record



Environment Testing

| Client Information (Sub Contract Lab)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Sampler                     | Lab PM                                                                 | Carrier Tracking No(s)                                                | COC No                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------|
| Client Contact:<br>Shipping/Receiving                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Phone                       | Savoie, Noel                                                           | State of Origin<br>Alabama                                            | 680-754706 2                              |
| Company:<br>Eurofins Environment Testing Southeast,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                             | E-Mail<br>Noel Savoie@et.eurofins.com                                  | Page:<br>Page 2 of 3                                                  |                                           |
| Address:<br>3355 McLenore Drive,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                             | Accreditations Required (See note)<br>NELAP - Florida, State - Alabama | Job #                                                                 | 680-242317-1                              |
| City:<br>Pensacola                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                             |                                                                        |                                                                       |                                           |
| State, Zip:<br>FL, 32514                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                             |                                                                        |                                                                       |                                           |
| Phone:<br>850-474-1001(Tel) 850-478-2671(Fax)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                             |                                                                        |                                                                       |                                           |
| Email:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                             |                                                                        |                                                                       |                                           |
| Project Name:<br>Parcel 66(7), Fmr Small Weapons Repair Shop                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                             |                                                                        |                                                                       |                                           |
| Site:<br>SSOW#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                             |                                                                        |                                                                       |                                           |
| Due Date Requested:<br>11/8/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                             |                                                                        |                                                                       |                                           |
| TAT Requested (days):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                             |                                                                        |                                                                       |                                           |
| PO #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                             |                                                                        |                                                                       |                                           |
| WO #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                             |                                                                        |                                                                       |                                           |
| Project #:<br>68019843                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                             |                                                                        |                                                                       |                                           |
| SSOW#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                             |                                                                        |                                                                       |                                           |
| Sample Identification - Client ID (Lab ID)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Sample Date                 | Sample Time                                                            | Sample Type<br>(C=Comp, G=Grab)                                       | Matrix<br>(W=Water, S=solid, O=oil, etc.) |
| DUP428 (680-242317-8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 10/23/23                    | Central                                                                |                                                                       | Water                                     |
| TB 616 (680-242317-9)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 10/26/23                    | 08 35<br>Central                                                       |                                                                       | Water                                     |
| PPMP-66-MW22 (680-242317-10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 10/24/23                    | 10 20<br>Central                                                       |                                                                       | Water                                     |
| PPMP-66-MW16 (680-242317-11)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 10/24/23                    | 11 30<br>Central                                                       |                                                                       | Water                                     |
| PPMP-66-MW08 (680-242317-12)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 10/25/23                    | 08 30<br>Central                                                       |                                                                       | Water                                     |
| PPMP-66-MW23R (680-242317-13)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 10/25/23                    | 14 25<br>Central                                                       |                                                                       | Water                                     |
| PPMP-66-MW02RR (680-242317-14)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 10/25/23                    | 09 35<br>Central                                                       |                                                                       | Water                                     |
| PPMP-66-MW24R (680-242317-15)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 10/24/23                    | 16 35<br>Central                                                       |                                                                       | Water                                     |
| PPMP-66-MW14 (680-242317-16)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 10/23/23                    | 16 35<br>Central                                                       |                                                                       | Water                                     |
| Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC |  |                             |                                                                        |                                                                       |                                           |
| Possible Hazard Identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                             |                                                                        |                                                                       |                                           |
| Unconfirmed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                             |                                                                        |                                                                       |                                           |
| Deliverable Requested I, II, III, IV, Other (specify)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Primary Deliverable Rank: 2 |                                                                        |                                                                       |                                           |
| Empty Kit Relinquished by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Date:                       |                                                                        |                                                                       |                                           |
| Relinquished by<br>C. M. M.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Date/Time<br>10/31/23 1535  | Company<br>Eurofins                                                    |                                                                       | Received by<br>BP                         |
| Relinquished by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Date/Time                   | Company                                                                |                                                                       | Received by                               |
| Relinquished by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Date/Time                   | Company                                                                |                                                                       | Received by                               |
| Custody Seals Intact<br>Δ Yes Δ No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Custody Seal No.            |                                                                        | Cooler Temperature(s) °C and Other Remarks<br>3.2°C 2.5°C 1.5°C 0.0°C |                                           |

Ver: 06/08/2021



## Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-242317-1

Login Number: 242317

List Source: Eurofins Savannah

List Number: 1

Creator: Sims, Robert D

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |         |
| The cooler's custody seal, if present, is intact.                                        | True   |         |
| Sample custody seals, if present, are intact.                                            | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.           | True   |         |
| Samples were received on ice.                                                            | True   |         |
| Cooler Temperature is acceptable.                                                        | True   |         |
| Cooler Temperature is recorded.                                                          | True   |         |
| COC is present.                                                                          | True   |         |
| COC is filled out in ink and legible.                                                    | True   |         |
| COC is filled out with all pertinent information.                                        | True   |         |
| Is the Field Sampler's name present on COC?                                              | True   |         |
| There are no discrepancies between the containers received and the COC.                  | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)            | True   |         |
| Sample containers have legible labels.                                                   | True   |         |
| Containers are not broken or leaking.                                                    | True   |         |
| Sample collection date/times are provided.                                               | True   |         |
| Appropriate sample containers are used.                                                  | True   |         |
| Sample bottles are completely filled.                                                    | True   |         |
| Sample Preservation Verified.                                                            | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         | True   |         |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | N/A    |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |

## Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-242317-1

**Login Number: 242317**

**List Number: 2**

**Creator: Pardonner, Brett**

**List Source: Eurofins Pensacola**

**List Creation: 11/02/23 10:30 AM**

| Question                                                                                 | Answer | Comment   |
|------------------------------------------------------------------------------------------|--------|-----------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |           |
| The cooler's custody seal, if present, is intact.                                        | N/A    |           |
| Sample custody seals, if present, are intact.                                            | N/A    |           |
| The cooler or samples do not appear to have been compromised or tampered with.           | True   |           |
| Samples were received on ice.                                                            | True   |           |
| Cooler Temperature is acceptable.                                                        | True   |           |
| Cooler Temperature is recorded.                                                          | True   | 1.5°C IR8 |
| COC is present.                                                                          | True   |           |
| COC is filled out in ink and legible.                                                    | True   |           |
| COC is filled out with all pertinent information.                                        | True   |           |
| Is the Field Sampler's name present on COC?                                              | True   |           |
| There are no discrepancies between the containers received and the COC.                  | True   |           |
| Samples are received within Holding Time (excluding tests with immediate HTs)            | True   |           |
| Sample containers have legible labels.                                                   | True   |           |
| Containers are not broken or leaking.                                                    | True   |           |
| Sample collection date/times are provided.                                               | True   |           |
| Appropriate sample containers are used.                                                  | True   |           |
| Sample bottles are completely filled.                                                    | True   |           |
| Sample Preservation Verified.                                                            | N/A    |           |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         | True   |           |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True   |           |
| Multiphasic samples are not present.                                                     | True   |           |
| Samples do not require splitting or compositing.                                         | True   |           |
| Residual Chlorine Checked.                                                               | N/A    |           |