

LAB CHRONICLE

| | | | |
|-----------------|--------------------|-------------------|--|
| OrderID: | Q2458 | OrderDate: | 6/27/2025 4:22:00 PM |
| Client: | CDM Smith | Project: | South River WM Replacement |
| Contact: | Marcie Ann Encinas | Location: | D51,VOA Ref. #2 Soil,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|-----------------|--------------|-------------|-------------------------|--------|-----------------|-----------|-----------|-----------------|
| Q2458-01 | TP-76 | SOIL | | | 06/26/25 | | | 06/27/25 |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/02/25 | |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 | |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 | |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 | |
| Q2458-02 | TP-55 | SOIL | | | 06/26/25 | | | 06/27/25 |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/03/25 | |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 | |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 | |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 | |
| Q2458-03 | TP-68 | SOIL | | | 06/27/25 | | | 06/27/25 |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 | |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 | |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/02/25 | |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 | |
| Q2458-04 | TP-67 | SOIL | | | 06/27/25 | | | 06/27/25 |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/02/25 | |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 | |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 | |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 | |
| Q2458-05 | TP-66 | SOIL | | | 06/27/25 | | | 06/27/25 |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/03/25 | |
| | | | Gasoline Range Organics | 8015D | | | 06/30/25 | |
| | | | PCB | 8082A | | 07/01/25 | 07/01/25 | |
| | | | Pesticide-TCL | 8081B | | 07/01/25 | 07/01/25 | |
| Q2458-06 | TP-60 | SOIL | | | 06/27/25 | | | 06/27/25 |
| | | | Diesel Range Organics | 8015D | | 07/02/25 | 07/03/25 | |

LAB CHRONICLE

| | | | | | | | |
|-----------------|--------------------|--------------|-------------------------|-------|-----------------|----------|-----------------|
| Q2458-07 | TP-62 | SOIL | Gasoline Range Organics | 8015D | | 06/30/25 | |
| | | | PCB | 8082A | 07/01/25 | 07/01/25 | |
| | | | Pesticide-TCL | 8081B | 07/01/25 | 07/01/25 | |
| | | | | | 06/27/25 | | 06/27/25 |
| | | | Diesel Range Organics | 8015D | 07/02/25 | 07/02/25 | |
| | | | Gasoline Range Organics | 8015D | | 07/01/25 | |
| | | | PCB | 8082A | 07/01/25 | 07/01/25 | |
| | | | Pesticide-TCL | 8081B | 07/01/25 | 07/01/25 | |
| Q2458-08 | TP-63 | SOIL | | | 06/27/25 | | 06/27/25 |
| | | | Diesel Range Organics | 8015D | 07/02/25 | 07/02/25 | |
| | | | Gasoline Range Organics | 8015D | | 06/30/25 | |
| | | | PCB | 8082A | 07/01/25 | 07/01/25 | |
| | | | Pesticide-TCL | 8081B | 07/01/25 | 07/01/25 | |
| Q2458-09 | TP-59 | SOIL | | | 06/27/25 | | 06/27/25 |
| | | | Diesel Range Organics | 8015D | 07/02/25 | 07/02/25 | |
| | | | Gasoline Range Organics | 8015D | | 06/30/25 | |
| | | | PCB | 8082A | 07/01/25 | 07/02/25 | |
| | | | Pesticide-TCL | 8081B | 07/01/25 | 07/01/25 | |
| Q2458-10 | FB-06272025 | Water | | | 06/27/25 | | 06/27/25 |
| | | | Diesel Range Organics | 8015D | 07/02/25 | 07/02/25 | |
| | | | Gasoline Range Organics | 8015D | | 07/01/25 | |
| | | | PCB | 8082A | 07/02/25 | 07/02/25 | |
| | | | Pesticide-TCL | 8081B | 07/03/25 | 07/03/25 | |



SAMPLE DATA

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | 06/26/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-76 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-01 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 90.6 |
| Sample Wt/Vol: | 4.12 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Final Vol: | 5 |
| GPC Factor : | | PH : | |
| Prep Method : | | Decanted: | |
| | | Test: | Gasoline Range Organics |
| | | Injection Volume : | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031974.D | 1 | 06/30/25 14:40 | FB063025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 12.0 | J | 11.0 | 60.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 16.3 | | 50 - 150 | 82% | SPK: 20 |

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | 06/26/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-55 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-02 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 91.4 |
| Sample Wt/Vol: | 4.69 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Final Vol: | 5 |
| GPC Factor : | | Test: | Gasoline Range Organics |
| Prep Method : | | Injection Volume : | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031975.D | 1 | 06/30/25 15:08 | FB063025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 10.0 | U | 10.0 | 52.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 15.6 | | 50 - 150 | 78% | SPK: 20 |

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-68 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-03 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 92.3 |
| Sample Wt/Vol: | 3.61 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Final Vol: | 5 |
| GPC Factor : | | PH : | |
| Prep Method : | | Decanted: | |
| | | Test: | Gasoline Range Organics |
| | | Injection Volume : | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031976.D | 1 | 06/30/25 15:36 | FB063025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 13.0 | J | 12.0 | 68.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 15.5 | | 50 - 150 | 77% | SPK: 20 |

Comments:

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-67 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-04 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 89.7 |
| Sample Wt/Vol: | 4 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Final Vol: | 5 |
| GPC Factor : | | PH : | |
| Prep Method : | | Decanted: | |
| | | Test: | Gasoline Range Organics |
| | | Injection Volume : | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031977.D | 1 | 06/30/25 16:04 | FB063025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 13.0 | J | 12.0 | 63.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 16.3 | | 50 - 150 | 81% | SPK: 20 |

Comments:

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-66 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-05 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 88.3 |
| Sample Wt/Vol: | 5.18 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Final Vol: | 5 |
| GPC Factor : | | PH : | |
| Prep Method : | | Decanted: | |
| | | Test: | Gasoline Range Organics |
| | | Injection Volume : | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031978.D | 1 | 06/30/25 16:31 | FB063025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 13.0 | J | 9.00 | 49.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 14.9 | | 50 - 150 | 75% | SPK: 20 |

Comments:

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 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|-----------------|----------|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-60 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-06 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 92.5 |
| Sample Wt/Vol: | 5 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Final Vol: | 5 |
| GPC Factor : | | PH : | |
| Prep Method : | | | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031979.D | 1 | 06/30/25 16:59 | FB063025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 11.0 | J | 9.00 | 49.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 18.7 | | 50 - 150 | 94% | SPK: 20 |

Comments:

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LOD = Limit of Detection

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P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-62 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-07 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 91.1 |
| Sample Wt/Vol: | 3.77 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Final Vol: | 5 |
| GPC Factor : | | Test: | Gasoline Range Organics |
| Prep Method : | | Injection Volume : | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031989.D | 1 | 07/01/25 12:38 | FB070125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 12.0 | U | 12.0 | 66.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 18.9 | | 50 - 150 | 95% | SPK: 20 |

Comments:

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 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
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 () = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-63 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-08 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 86.4 |
| Sample Wt/Vol: | 4.3 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Final Vol: | 5 |
| GPC Factor : | | PH : | |
| Prep Method : | | Decanted: | |
| | | Test: | Gasoline Range Organics |
| | | Injection Volume : | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031981.D | 1 | 06/30/25 17:55 | FB063025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 11.0 | U | 11.0 | 61.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 18.2 | | 50 - 150 | 91% | SPK: 20 |

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Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | TP-59 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-09 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 76.6 |
| Sample Wt/Vol: | 4.3 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Final Vol: | 5 |
| GPC Factor : | | PH : | |
| Prep Method : | | Decanted: | |
| | | Test: | Gasoline Range Organics |
| | | Injection Volume : | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031982.D | 1 | 06/30/25 18:23 | FB063025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 15.0 | J | 13.0 | 68.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 16.3 | | 50 - 150 | 82% | SPK: 20 |

Comments:

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() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | 06/27/25 |
| Project: | South River WM Replacement | Date Received: | 06/27/25 |
| Client Sample ID: | FB-06272025 | SDG No.: | Q2458 |
| Lab Sample ID: | Q2458-10 | Matrix: | Water |
| Analytical Method: | 8015D GRO | % Solid: | 0 |
| Sample Wt/Vol: | 5 | Units: | mL |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Test: | Gasoline Range Organics |
| GPC Factor : | | Injection Volume : | |
| Prep Method : | | | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031994.D | 1 | 07/01/25 15:23 | FB070125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|-------------------|-------------------------------|-------|-----------|----------|------------|---------|
| TARGETS | | | | | | |
| GRO | GRO | 8.00 | J | 6.00 | 45.0 | ug/L |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 11.6 | | 50 - 150 | 58% | SPK: 20 |

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M = MS/MSD acceptance criteria did not meet requirements

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() = Laboratory InHouse Limit



QC SUMMARY

SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Alliance

Client: CDM Smith

Lab Code: ACE

SDG No.: Q2458

| CLIENT ID | S1 AAA-TFT | S2 | S3 | S4 | TOT OUT |
|-------------|---------------|----|----|----|------------|
| VBF0630S1 | 80 | | | | 0 |
| BSF0630S1 | 86 | | | | 0 |
| BSF0630S2 | 99 | | | | 0 |
| TP-76 | 82 | | | | 0 |
| TP-55 | 78 | | | | 0 |
| TP-68 | 77 | | | | 0 |
| TP-67 | 81 | | | | 0 |
| TP-66 | 75 | | | | 0 |
| TP-60 | 94 | | | | 0 |
| TP-63 | 91 | | | | 0 |
| TP-59 | 82 | | | | 0 |
| VBF0701S1 | 89 | | | | 0 |
| BSF0701S1 | 92 | | | | 0 |
| TP-62 | 95 | | | | 0 |
| VBF0701W1 | 99 | | | | 0 |
| BSF0701W1 | 104 | | | | 0 |
| FB-06272025 | 58 | | | | 0 |
| BSF0701W2 | 102 | | | | 0 |

QC LIMITS

AAA-TFT

For Water : 50-150

For Soil : 50-150

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICAT

Lab Name: Alliance
Lab Code: ACE
Client Sample ID : BSF0630S1

Client: CDM Smith
SDG No: Q2458
Datafile: FB031967.D

| COMPOUND | SPIKE ADDED ug/kg | CONCENTRATION ug/kg | LCS/LCSD CONCENTRATION ug/kg | % REC | QC LIMITS (%) |
|----------|-------------------------|------------------------|------------------------------------|-------|---------------|
| GRO | 180 | 0 | 168 | 93 | 50-150 |

SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATION

| | | | |
|---------------------------|------------------|------------------|-------------------|
| Lab Name: | <u>Alliance</u> | Client: | <u>CDM Smith</u> |
| Lab Code: | <u>ACE</u> | SDG No: | <u>Q2458</u> |
| Client Sample ID : | <u>BSF0630S2</u> | Datafile: | <u>FB031972.D</u> |

| COMPOUND | SPIKE ADDED ug/kg | CONCENTRATION ug/kg | LCS/LCSD CONCENTRATION ug/kg | % REC | QC LIMITS (%) |
|----------|-------------------------|------------------------|------------------------------------|-------|---------------|
| GRO | 180 | 0 | 170 | 94 | 50-150 |

LCS/LCSD % Recovery RPD : 1.2

SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATION

Lab Name: Alliance

Client: CDM Smith

Lab Code: ACE

SDG No: Q2458

Client Sample ID : BSF0701S1

Datafile: FB031988.D

| COMPOUND | SPIKE ADDED ug/kg | CONCENTRATION ug/kg | LCS/LCSD CONCENTRATION ug/kg | % REC | QC LIMITS (%) |
|----------|-------------------------|------------------------|------------------------------------|-------|---------------|
| GRO | 180 | 0 | 166 | 92 | 50-150 |

WATER GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLIC

Lab Name: Alliance

Client: CDM Smith

Lab Code: ACE

SDG No: Q2458

Client Sample ID : BSF0701W1

Datafile: FB031993.D

| COMPOUND | SPIKE ADDED ug/L | CONCENTRATION ug/L | LCS/LCSD CONCENTRATION ug/L | % REC | QC LIMITS (%) |
|----------|------------------------|-----------------------|-----------------------------------|-------|---------------|
| GRO | 180 | 0 | 165 | 92 | 50-150 |

WATER GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLIC

Lab Name: Alliance

Client: CDM Smith

Lab Code: ACE

SDG No: Q2458

Client Sample ID : BSF0701W2

Datafile: FB031995.D

| COMPOUND | SPIKE ADDED ug/L | CONCENTRATION ug/L | LCS/LCSD CONCENTRATION ug/L | % REC | QC LIMITS (%) |
|----------|------------------------|-----------------------|-----------------------------------|-------|---------------|
| GRO | 180 | 0 | 170 | 94 | 50-150 |

LCS/LCSD % Recovery RPD : 2.9

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBF0630S1

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab File ID: FB031965.D

Lab Sample ID: VBF0630S1

Date Analyzed: 06/30/25

Time Analyzed: 10:12

GC Column: RTX-502.2 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: FB

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| CLIENT SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|----------------------|------------------|----------------|------------------|
| BSF0630S1 | BSF0630S1 | FB031967.D | 06/30/25 |
| BSF0630S2 | BSF0630S2 | FB031972.D | 06/30/25 |
| TP-76 | Q2458-01 | FB031974.D | 06/30/25 |
| TP-55 | Q2458-02 | FB031975.D | 06/30/25 |
| TP-68 | Q2458-03 | FB031976.D | 06/30/25 |
| TP-67 | Q2458-04 | FB031977.D | 06/30/25 |
| TP-66 | Q2458-05 | FB031978.D | 06/30/25 |
| TP-60 | Q2458-06 | FB031979.D | 06/30/25 |
| TP-63 | Q2458-08 | FB031981.D | 06/30/25 |
| TP-59 | Q2458-09 | FB031982.D | 06/30/25 |

COMMENTS: _____

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBF0701S1

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab File ID: FB031986.D

Lab Sample ID: VBF0701S1

Date Analyzed: 07/01/25

Time Analyzed: 10:40

GC Column: RTX-502.2 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: FB

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| CLIENT SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|----------------------|------------------|----------------|------------------|
| BSF0701S1 | BSF0701S1 | FB031988.D | 07/01/25 |
| TP-62 | Q2458-07 | FB031989.D | 07/01/25 |

COMMENTS: _____

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBF0701W1

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab File ID: FB031992.D

Lab Sample ID: VBF0701W1

Date Analyzed: 07/01/25

Time Analyzed: 14:14

GC Column: RTX-502.2 ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: FB

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| CLIENT SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|----------------------|------------------|----------------|------------------|
| BSF0701W1 | BSF0701W1 | FB031993.D | 07/01/25 |
| FB-06272025 | Q2458-10 | FB031994.D | 07/01/25 |
| BSF0701W2 | BSF0701W2 | FB031995.D | 07/01/25 |

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | VBF0630S1 | SDG No.: | Q2458 |
| Lab Sample ID: | VBF0630S1 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 100 |
| Sample Wt/Vol: | 5 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Test: | Gasoline Range Organics |
| GPC Factor : | | Injection Volume : | |
| Prep Method : | | | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031965.D | 1 | 06/30/25 10:12 | FB063025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 8.00 | U | 8.00 | 45.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 16.0 | | 50 - 150 | 80% | SPK: 20 |

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | VBF0701S1 | SDG No.: | Q2458 |
| Lab Sample ID: | VBF0701S1 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 100 |
| Sample Wt/Vol: | 5 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Test: | Gasoline Range Organics |
| GPC Factor : | | Injection Volume : | |
| Prep Method : | | | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031986.D | 1 | 07/01/25 10:40 | FB070125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 8.00 | U | 8.00 | 45.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 17.7 | | 50 - 150 | 89% | SPK: 20 |

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | VBF0701W1 | SDG No.: | Q2458 |
| Lab Sample ID: | VBF0701W1 | Matrix: | Water |
| Analytical Method: | 8015D GRO | % Solid: | 0 |
| Sample Wt/Vol: | 5 | Units: | mL |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Test: | Gasoline Range Organics |
| GPC Factor : | | Injection Volume : | |
| Prep Method : | | | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031992.D | 1 | 07/01/25 14:14 | FB070125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|-------------------|-------------------------------|-------|-----------|----------|------------|---------|
| TARGETS | | | | | | |
| GRO | GRO | 6.00 | U | 6.00 | 45.0 | ug/L |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 19.8 | | 50 - 150 | 99% | SPK: 20 |

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | BSF0630S1 | SDG No.: | Q2458 |
| Lab Sample ID: | BSF0630S1 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 100 |
| Sample Wt/Vol: | 5 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Decanted: | |
| GPC Factor : | | Final Vol: | 5 |
| Prep Method : | | Test: | Gasoline Range Organics |
| | | Injection Volume : | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031967.D | 1 | 06/30/25 11:08 | FB063025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 168 | | 8.00 | 45.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 17.2 | | 50 - 150 | 86% | SPK: 20 |

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | BSF0701S1 | SDG No.: | Q2458 |
| Lab Sample ID: | BSF0701S1 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 100 |
| Sample Wt/Vol: | 5 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Test: | Gasoline Range Organics |
| GPC Factor : | | Injection Volume : | |
| Prep Method : | | | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031988.D | 1 | 07/01/25 11:54 | FB070125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 166 | | 8.00 | 45.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 18.4 | | 50 - 150 | 92% | SPK: 20 |

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | BSF0701W1 | SDG No.: | Q2458 |
| Lab Sample ID: | BSF0701W1 | Matrix: | Water |
| Analytical Method: | 8015D GRO | % Solid: | 0 |
| Sample Wt/Vol: | 5 | Units: | mL |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Test: | Gasoline Range Organics |
| GPC Factor : | | Injection Volume : | |
| Prep Method : | | | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031993.D | 1 | 07/01/25 14:42 | FB070125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|-------------------|-------------------------------|-------|-----------|----------|------------|---------|
| TARGETS | | | | | | |
| GRO | GRO | 165 | | 6.00 | 45.0 | ug/L |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 20.9 | | 50 - 150 | 104% | SPK: 20 |

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | BSF0630S2 | SDG No.: | Q2458 |
| Lab Sample ID: | BSF0630S2 | Matrix: | SOIL |
| Analytical Method: | 8015D GRO | % Solid: | 100 |
| Sample Wt/Vol: | 5 | Units: | g |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Decanted: | |
| GPC Factor : | | Final Vol: | 5 |
| Prep Method : | | Test: | Gasoline Range Organics |
| | | Injection Volume : | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031972.D | 1 | 06/30/25 13:26 | FB063025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------------------|-------|-----------|----------|------------|-------------------|
| TARGETS | | | | | | |
| GRO | GRO | 170 | | 8.00 | 45.0 | ug/kg |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 19.9 | | 50 - 150 | 99% | SPK: 20 |

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

| | | | |
|--------------------|----------------------------|--------------------|-------------------------|
| Client: | CDM Smith | Date Collected: | |
| Project: | South River WM Replacement | Date Received: | |
| Client Sample ID: | BSF0701W2 | SDG No.: | Q2458 |
| Lab Sample ID: | BSF0701W2 | Matrix: | Water |
| Analytical Method: | 8015D GRO | % Solid: | 0 |
| Sample Wt/Vol: | 5 | Units: | mL |
| Soil Aliquot Vol: | | | uL |
| Extraction Type: | | Test: | Gasoline Range Organics |
| GPC Factor : | | Injection Volume : | |
| Prep Method : | | | |

| | | | |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
| FB031995.D | 1 | 07/01/25 15:52 | FB070125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|-------------------|-------------------------------|-------|-----------|----------|------------|---------|
| TARGETS | | | | | | |
| GRO | GRO | 170 | | 6.00 | 45.0 | ug/L |
| SURROGATES | | | | | | |
| 98-08-8 | Alpha,Alpha,Alpha-Trifluoroto | 20.4 | | 50 - 150 | 102% | SPK: 20 |

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE

SDG No.: Q2458

| Calibration Sequence : FB062325 | | Test : Gasoline Range Organics | |
|---------------------------------|------------|--------------------------------|----------------|
| Concentration (PPB) | Area Count | Reference Factor | File ID |
| 45 | 1490557 | 33123 | FB031909.D |
| 90 | 2566530 | 28517 | FB031910.D |
| 180 | 5166210 | 28701 | FB031911.D |
| 450 | 12609856 | 28022 | FB031912.D |
| 900 | 27368301 | 30409 | FB031913.D |
| AVG RF : 29754 | | % RSD : 7.013 | AVG RT : 8.798 |

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE SDG No.: Q2458
DataFile: FB031964.D Analyst Name: YP/AJ Analyst Date: 06-30-2025

| Conc. (PPB) | Area Count | RF | Average RF | %D |
|-------------|------------|-------|------------|--------|
| 180 | 4611565 | 25620 | 29754 | 13.894 |

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE SDG No.: Q2458
DataFile: FB031973.D Analyst Name: YP/AJ Analyst Date: 06-30-2025

| Conc. (PPB) | Area Count | RF | Average RF | %D |
|-------------|------------|-------|------------|------|
| 180 | 5074480 | 28192 | 29754 | 5.25 |

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE SDG No.: Q2458
DataFile: FB031984.D Analyst Name: YP/AJ Analyst Date: 06-30-2025

| Conc. (PPB) | Area Count | RF | Average RF | %D |
|-------------|------------|-------|------------|-------|
| 180 | 5073667 | 28187 | 29754 | 5.267 |

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE SDG No.: Q2458
DataFile: FB031985.D Analyst Name: YP/AJ Analyst Date: 07-01-2025

| Conc. (PPB) | Area Count | RF | Average RF | %D |
|-------------|------------|-------|------------|-------|
| 180 | 5120206 | 28446 | 29754 | 4.396 |

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE SDG No.: Q2458
DataFile: FB031991.D Analyst Name: YP/AJ Analyst Date: 07-01-2025

| Conc. (PPB) | Area Count | RF | Average RF | %D |
|-------------|------------|-------|------------|-------|
| 180 | 5123628 | 28465 | 29754 | 4.332 |

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE SDG No.: Q2458
DataFile: FB031996.D Analyst Name: YP/AJ Analyst Date: 07-01-2025

| Conc. (PPB) | Area Count | RF | Average RF | %D |
|-------------|------------|-------|------------|-------|
| 180 | 5106583 | 28370 | 29754 | 4.651 |

Analytical Sequence

Client: CDM Smith

SDG No.: Q2458

Project: South River WM Replacement

Instrument ID: FID_B

GC Column: RTX-502.2 **ID:** 0.53 (mm)

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

| MEAN SUROGATE RT FROM INITIAL CALIBRATION 8.798 | | | | | |
|--|------------------|---------------------------|------------|-------|---|
| CLIENT SAMPLE NO. | LAB SAMPLE ID | DATE AND TIME ANALYZED | DATAFILE | RT | # |
| 20 PPB GRO STD | 20 PPB GRO STD | 30 Jun 2025 9:27 | FB031964.D | 8.789 | |
| VBF0630S1 | VBF0630S1 | 30 Jun 2025 10:12 | FB031965.D | 8.796 | |
| BSF0630S1 | BSF0630S1 | 30 Jun 2025 11:08 | FB031967.D | 8.798 | |
| BSF0630S2 | BSF0630S2 | 30 Jun 2025 13:26 | FB031972.D | 8.802 | |
| 20 PPB GRO STD | 20 PPB GRO STD | 30 Jun 2025 13:54 | FB031973.D | 8.802 | |
| TP-76 | Q2458-01 | 30 Jun 2025 14:40 | FB031974.D | 8.802 | |
| TP-55 | Q2458-02 | 30 Jun 2025 15:08 | FB031975.D | 8.804 | |
| TP-68 | Q2458-03 | 30 Jun 2025 15:36 | FB031976.D | 8.803 | |
| TP-67 | Q2458-04 | 30 Jun 2025 16:04 | FB031977.D | 8.803 | |
| TP-66 | Q2458-05 | 30 Jun 2025 16:31 | FB031978.D | 8.804 | |
| TP-60 | Q2458-06 | 30 Jun 2025 16:59 | FB031979.D | 8.802 | |
| TP-63 | Q2458-08 | 30 Jun 2025 17:55 | FB031981.D | 8.804 | |
| TP-59 | Q2458-09 | 30 Jun 2025 18:23 | FB031982.D | 8.805 | |
| 20 PPB GRO STD | 20 PPB GRO STD | 30 Jun 2025 19:18 | FB031984.D | 8.805 | |
| 20 PPB GRO STD | 20 PPB GRO STD | 1 Jul 2025 9:31 | FB031985.D | 8.796 | |
| VBF0701S1 | VBF0701S1 | 1 Jul 2025 10:40 | FB031986.D | 8.799 | |
| BSF0701S1 | BSF0701S1 | 1 Jul 2025 11:54 | FB031988.D | 8.802 | |
| TP-62 | Q2458-07 | 1 Jul 2025 12:38 | FB031989.D | 8.804 | |
| 20 PPB GRO STD | 20 PPB GRO STD | 1 Jul 2025 13:34 | FB031991.D | 8.803 | |
| VBF0701W1 | VBF0701W1 | 1 Jul 2025 14:14 | FB031992.D | 8.805 | |
| BSF0701W1 | BSF0701W1 | 1 Jul 2025 14:42 | FB031993.D | 8.805 | |
| FB-06272025 | Q2458-10 | 1 Jul 2025 15:23 | FB031994.D | 8.806 | |
| BSF0701W2 | BSF0701W2 | 1 Jul 2025 15:52 | FB031995.D | 8.805 | |
| 20 PPB GRO STD | 20 PPB GRO STD | 1 Jul 2025 16:20 | FB031996.D | 8.806 | |